Corbin Russwin

ASSA ABLOY

Padlocks & Deadlocks

PL5000, DL2200/DL3200, DL3000 & DL4100 Series



ASSA ABLOY, the global leader in door opening solutions



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Introduction

Padlocks & Deadlocks

Applications

Corbin Russwin Auxiliary Locks provide security for a wide range of applications. Our auxiliary and special purpose locks including padlocks and deadlocks allow end users to meet specific security needs.

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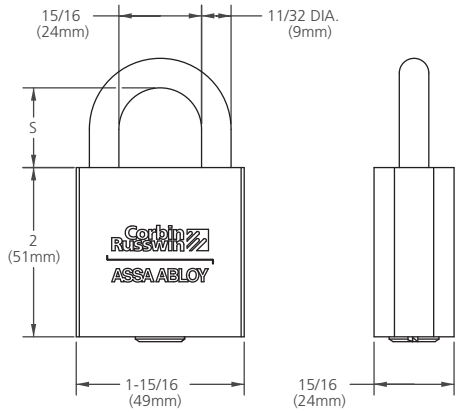
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Padlocks PL5000 Series

Padlocks & Deadlocks

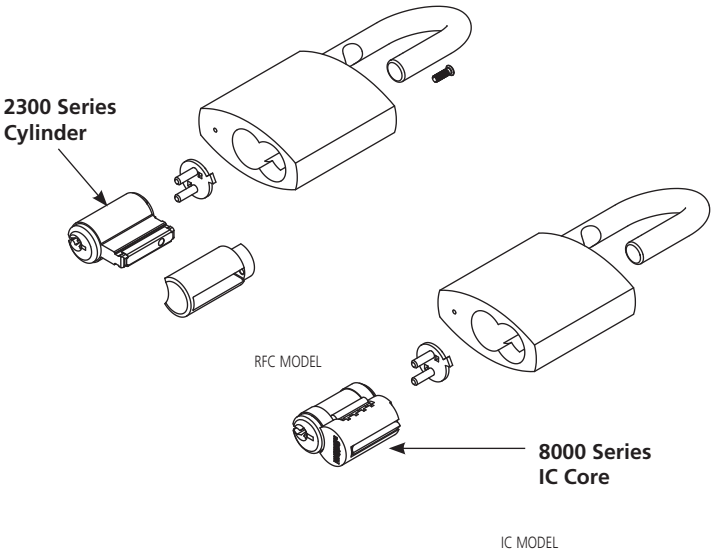
Rekeyable Fixed Core (RFC) and Interchangeable Core (IC) Models





Model	Series	Shackle Clearance S
RFC	PL5000R PL5100R PL5200R	Std: 7/8" (22mm) 258: 2-5/8" (67mm)
IC	PL5070 PL5170 PL5270	

Padlock Parts	
756F963	Throw member for IC & RFC padlocks (A)
793F592 (606 finish)	Cylinder sleeve for RFC padlocks (B)
438F41-8	Mounting screw for RFC padlocks (C)



Features

Case
Extruded brass.

Shackle
11/32" (9mm) diameter hardened steel (PL5000 Series), brass (PL5100 Series) or stainless steel (PL5200 Series).

Locking
Ball-bearing locking heel and toe.

Cylinder
RFC model: 6-pin Fixed Core (2300)
IC model: 6-Pin, Security, Pyramid & Access 3 (8000 Series)
L4 keyway standard

Keying Features Available
Master keying
Construction master keying
Interchangeable core (IC) 6-pin
IC security
Concealed key control
Visual key control (not for HS)
Pyramid (IC only)
Access 3® (IC only)

Keys
Two nickel silver standard.

Warranty
One-year limited.

Finish
BHMA 606 Satin Brass (US4) only.

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Padlocks PL5000 Series

Padlocks & Deadlocks

Ordering Examples

Stock Order

Quantity	Series/Function
10	PL5000R

Contract / Detailed Order

Quantity	Keyset	Series/Function	Shackle Length	Misc. Options
4	AJ3	PL5080	258	M45 x S19866

Quick Codes

Series / Function

Description	Series/Function		
	Hardened Steel Shackle	Brass Shackle	Stainless Steel Shackle
Rekeyable Fixed Core (RFC)	PL5000R	PL5100R	PL5200R
Interchangeable core (IC) less core	PL5070	PL5170	PL5270
IC 6-pin	PL5080	PL5180	PL5280
IC security	PL5090	PL5190	PL5290
Pyramid High Security (IC)	PL5030	PL5130	PL5230
Pyramid Security (IC)	PL5037	PL5137	PL5237

Miscellaneous Options

Description	Specify
Chain and clevis attached	M44
Custom die stamped case (specify existing die number, or provide lettering specifications or artwork)	M45 x #

Cylinder Only

Description	Specify
Removable Core	
Standard 6-pin	2300
Interchangeable Core	
Standard 6-pin	8000
Security	8010
Pyramid High Security	8020
Pyramid Security	8027
Access 3® - Patented	8500
Access 3® - Security	8600
Access 3® - High Security	8700

Cylinder and Keying

Description	Specify
Keyed random (standard for Pyramid & IC security padlocks)	KR
0-bitted (not available for Pyramid & IC security padlocks)	(standard)
Construction Master Keyed (RFC & IC 6-pin padlocks only)	CMK
Temporary construction core (Red) (IC 6-pin padlocks only)	CT6R
Temporary Construction Core (Blue) (IC 6-pin padlocks only)	CT6B
Temporary Construction Core (Green) (IC 6-pin padlocks only)	CT6G
Visual key control (VKC)	
- Keys only	VKC1
- Locks and keys (RFC & IC 6-pin padlocks only)	VKC2
- Locks only (RFC & IC 6-pin padlocks only)	VKC3
Concealed key control (CKC) (IC 6-pin & IC security padlocks only)	
- CKC cores and VKC keys	CKC2
- CKC cores only	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)
Rekeyable FC (RFC) Less Cylinder	LC
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS

Shackle Clearance

Description	Specify
7/8" (22mm)	(standard)
2-5/8" (67mm)	258

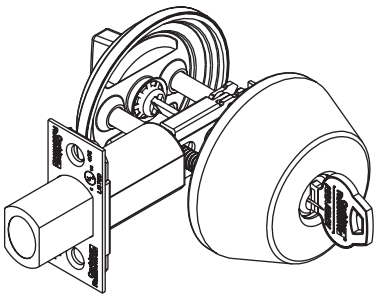
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45012-3/19

Deadlocks DL2200/DL3200 Series

Padlocks & Deadlocks

Features



Handing Non-handed.

Door Thickness Standard: 1-3/4" (44mm). Optional door thicknesses available; see Quick Codes.

Backset Standard: 2-3/4" (70mm) Optional: 2-3/8" (60mm)

Front Standard: brass or stainless steel, 2-1/4" (57mm) x 1-1/8" (29mm). Optional: 1" width; see Quick Codes.

Deadbolt 1" throw, solid steel deadbolt with hardened, free spinning, steel pin insert.

Strike Standard; 2-3/4" (70mm) x 1-1/8" (29mm). Optional strikes and wrought boxes available; see Strikes, this page.

Cylinder Standard: brass, 6-pin, L4 keyway, 0-bitted. Security cylinder optional; see Quick Codes.

Keys Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
Security
Visual key control
Concealed key control

Warranty One-year limited.

Certification/Compliance

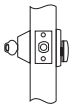
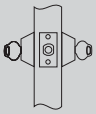
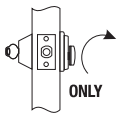
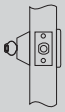
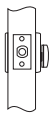
UL

UL10B/UL10C Fire Rated Auxiliary Lock for A label and lesser class doors when used with a correspondingly rated primary latching device.

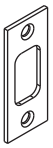
ANSI
DL2200 - 156.5 Grade 2
DL3200 - 156.5 Grade 1

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

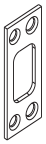
Functions

Outside Inside	Series/ Function	Type	ANSI No.	Function Description
	DL2213 DL3213	Single Cylinder	E0150 Series	- By key outside and by thumbturn inside.
	DL2212 DL3212	Double Cylinder	E0140 Series	- By key either side.
	DL2217 DL3217	Classroom	E0170 Series	- By key outside and by thumbturn inside. - Thumbturn will retract but not project deadbolt.
	DL2211 DL3211	Cylinder x Blank	E0160 Series	- By key one side only; opposite side blank.
	DL2260 DL3260	Thumbturn x Blank	E0190 Series	- By thumbturn one side only; opposite side blank.

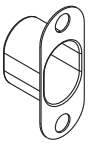
Strikes



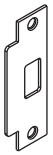
Metal Frame Strike
Standard
2-3/4" (70mm) x 1-1/8" (29mm).
To order separately, specify 781F568 x Finish



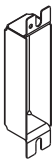
Wood Frame Strike
Standard
2-3/4" (70mm) x 1-1/8" (29mm).
To order separately, specify 781F558 x Finish.



Strike Box
Standard with standard strikes.
To order separately, specify 781F599.



ANSI Strike
Optional; see Quick Codes.
To order separately, specify 423L71 x Finish.



ANSI Wrought Strike Box
Optional for use with ANSI strike; see Quick Codes. To order separately, specify 120F768.

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Deadlocks DL2200/DL3200 Series

Padlocks & Deadlocks

Ordering Examples

Stock Order

Quantity	Series/Function	Finish
24	DL2213	626

Contract/Detailed Order

Quantity	Keyset	Series/Function	Finish	Strike	Options
24	AA1	DL2213	626	SS078	HS-CKC2

Cylinders

Cylinder Only (less housing)

Function	Part Number	Cylinder Type	Door Thickness
11,13,17	4400-134-A51	6-Pin Conventional	1-3/8" (35mm) 1-3/4" (44mm) 2" (51mm) 2-1/4" (57mm)
	4400-134-A51-7	7-Pin Conventional	
	4410-134-A51	Security	
	4420-134-A51	Pyramid High Security	
	4427-134-A51	Pyramid Security	
	4500-134-A51	Access 3® Patented	
	4600-134-A51	Access 3® Security	
	4700-134-A51	Access 3® High Security	
12	4400-134-A52	6-Pin Conventional	1-3/8" (35mm) 1-3/4" (44mm)
	4400-134-A52-7	7-Pin Conventional	
	4410-134-A52	Security	
	4420-134-A52	Pyramid High Security	
	4427-134-A52	Pyramid Security	
	4500-134-A52	Access 3® Patented (AP)	
	4600-134-A52	Access 3® Security (AS)	
	4700-134-A52	Access 3® High Security (AHS)	
	4400-214-A52	6-Pin Conventional	2" (51mm) 2-1/4" (57mm)
	4400-214-A52-7	7-Pin Conventional	
	4410-214-A52	Security	
	4420-214-A52	Pyramid High Security	
	4427-214-A52	Pyramid Security	
	4500-214-A52	Access 3® Patented (AP)	
	4600-214-A52	Access 3® Security (AS)	
	4700-214-A52	Access 3 High Security (AHS)	
11,12,13,17	8000	6-Pin IC	See the Housing Assembly for Interchangeable Core Cylinder chart below.
	8000-7	7-Pin IC	
	8010	Security IC	
	8020	Pyramid High Security IC	
	8027	Pyramid Security IC	
	8500	Access 3® Patented IC	
	8600	Access 3® Security IC	
	8500	Access 3® High Security IC	

Housing Assembly - Interchangeable Core Cylinder

Function	Part Number	Accepts Core	Door Thickness
11,13,17	4440-134-A51	6 & 7 Pin SFIC	1-3/8" (35mm) 1-3/4" (44mm) 2" (51mm) 2-1/4" (57mm)
	4470-134-A51	6-Pin LFIC	
	4470-134-A51-7	7-Pin LFIC	
12	4440-138-A52-XX (*)	6 & 7 Pin SFIC	1-3/8" (35mm)
	4470-138-A52-XX	6-Pin LFIC	
	4470-138-A52-7-XX	7-Pin LFIC	
	4440-134-A52-XX	6 & 7 Pin SFIC	1-3/4" (44mm)
	4470-134-A52-XX	6-Pin LFIC	
	4470-134-A52-7-XX	7-Pin LFIC	
	4440-200-A52-XX	6 & 7 Pin SFIC	2" (51mm)
	4470-200-A52-XX	6-Pin LFIC	
	4470-200-A52-7-XX	7-Pin LFIC	
	4440-214-A52-XX	6 & 7 Pin SFIC	2-1/4" (57mm)
	4470-214-A52-XX	6-Pin LFIC	
	4470-214-A52-7-XX	7-Pin LFIC	

(*) Specify "OS" for outside of door or "IS" for inside of door.

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
Conventional 7-pin	7P
Interchangeable core (IC) 6-pin	C6
LFIC 6-pin less core	CL6
SFIC 6-pin with Less Core	CLS6
LFIC 6-pin with temporary disposable core	CT6D
LFIC 6-pin with temporary construction core	
Red	CT6R
Blue	CT6B
Green	CT6G
LFIC 7-pin	C7
LFIC 7-pin less core	CL7
SFIC 7-pin with Less Core	CLS7
LFIC 7-pin with temporary disposable core	CT7D
LFIC 7-pin with temporary construction core	
Red	CT7R
Blue	CT7B
Green	CT7G
Security	HS
Security LFIC	CHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security LFIC	PCHS
Pyramid Security Fixed Core	PS
Pyramid Security LFIC	PCS
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented LFIC	ACP
Access 3® Security LFIC	ACS
Access 3® High Security LFIC	ACHS
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction Master Keyed (not available for Pyramid & Security cylinders)	CMK
Visual key control (VKC)	
- Keys only	VKC1
- Cylinders and keys (not available with HS or CHS)	VKC2
- Cylinders only (not available with HS or CHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders and VKC keys	CKC2
- CKC cylinders only	CKC3
2 keys per lock	(standard)
More than 2 keys (e.g., KY6)	KY#

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Deadlocks DL2200/DL3200 Series

Quick Codes

Finish

Description		Specify
US3	Bright Brass	605
US4	Satin Brass	606
US10	Satin Bronze	612
US10B	Dark Oxidized Satin Bronze, oil rubbed	613
US10BE	Dark Oxidized Satin Bronze - equivalent	613E
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626
—	Black Suede Powder Coat	BSP
—	White Suede Powder Coat	WSP

Door Thickness

Description	Specify
1-3/8" (35mm)	D138
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

Strike

Lip to Center	ANSI Straight Lip Specify
7/8" (22mm)	SS078
1-1/8" (29mm)	SS118
1-1/4" (32mm)	SS114
1-3/8" (35mm)	SS138
1-1/2" (38mm)	SS112
1-3/4" (44mm)	SS134
2" (51mm)	SS200
2-1/4" (57mm)	SS214
2-1/2" (64mm)	SS212
2-3/4" (70mm)	SS234
3" (76mm)	SS300

Miscellaneous Options

Description	Specify
ANSI wrought strike box	M17
Plastic box for standard strike	(standard)

Bolt Assembly

Description	Part No.	Specify
2-3/8" (60mm) Backset	781F528	B238
2-3/4" (70mm) Backset	781F538	(standard)
Front Trim Plates		
1" (25mm) Wide	781F50M x Finish	M14
1-1/8" (29mm) Wide	781F51M x Finish	(standard)

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Corbin Russwin
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Deadlocks DL3000 Series

Padlocks & Deadlocks

Features



Handing
Non-handed, except DL3017, which is handed and field reversible.

Door Thickness
Standard: 1-3/4" (44mm) - 2-1/4" (57mm). Optional door thicknesses available; see Quick Codes.

Backset
Standard: 2-3/4" (70mm)
Optional: 2-3/8" (60mm)

Front
Standard: wrought brass or bronze, 2-1/4" (57mm) x 1-1/8" (29mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Deadbolt
Zinc diecast hardened steel insert. 1" (25mm) throw, 5/8" (16mm) wide x 3/4" (19mm) high.

Strike
Standard; 2-3/4" (70mm) x 1-1/8" (29mm).
Optional strikes and wrought boxes available; see Strikes, this page.

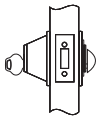
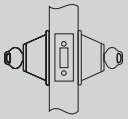
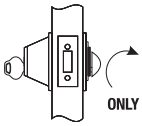
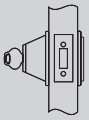
Cylinder
Brass, 6-pin, L4 keyway, 0-bitted. Security cylinders optional; see Quick Codes.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
7-pin (FC) conventional
Interchangeable core (IC)
Security
Security (IC)
Visual key control
Concealed key control
Pyramid (FC)
Pyramid (IC)

Warranty
One-year limited.

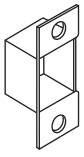
Functions

Outside Inside	Series/ Function	Type	ANSI No.	Function Description
	DL3013	Single Cylinder	E0150 Series	- By key outside and by thumbturn inside.
	DL3012	Double Cylinder	E0140 Series	- By key either side.
	DL3017	Classroom	E0170 Series	- By key outside and by thumbturn inside. - Thumbturn will retract but not project deadbolt.
	DL3011	Cylinder x Blank	E0160 Series	- By key one side only; opposite side blank.
	DL3060	Thumbturn x Blank	E0190 Series	- By thumbturn one side; opposite side blank.

Strikes



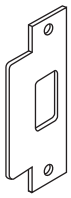
Standard Strike
2-3/4" (70mm) x 1-1/8" (29mm).
To order separately, specify 424F83 x Finish.



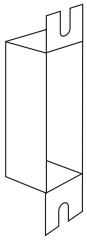
Wrought Strike Box
Standard with Standard Strike.
To order separately, specify 496F71-8.



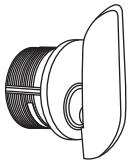
Optional Strike
3-1/2" (89mm) x 1-1/8" (29mm); see Quick Codes.
To order separately, specify 394F19 x Finish.



ANSI Strike
Optional; see Quick Codes.
To order separately, specify 423L71 x Finish.



ANSI Wrought Strike Box
Optional for use with ANSI Strike; see Quick Codes.
To order separately, specify 120F76-8.



Optional Thumbturn
Large profile and offset center thumbturn makes it easier to grasp and rotate. To order specify Quick Code M34. Available for DL3013, DL3017, DL3060.

Note: Interchangeable core not available with 1-3/8" door thickness (D138) option and 2-3/8" backset (B238) option.

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Ordering Examples

Stock Order

Quantity	Series/Function	Finish
24	DL3013	626

Contract/Detailed Order

Quantity	Keyset	Series/ Function	Finish	Optional Strike	Door Thickness	Misc. Options
24	AA1	DL3013	613	SS118	D214	C6-M17

Quick Codes

Finish

Description		Specify
US3	Bright Brass	605
US4	Satin Brass	606
US10	Satin Bronze	612
US10B	Dark Oxidized Satin Bronze, oil rubbed	613
US10BE	Dark Oxidized Satin Bronze - equivalent	613E
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626
—	Black Suede Powder Coat	BSP
—	White Suede Powder Coat	WSP

Strike

Lip to Center	ANSI Straight Lip Specify
7/8" (22mm)	SS078
1-1/8" (29mm)	SS118
1-1/4" (32mm)	SS114
1-3/8" (35mm)	SS138
1-1/2" (38mm)	SS112
1-3/4" (44mm)	SS134
2" (51mm)	SS200
2-1/4" (57mm)	SS214
2-1/2" (64mm)	SS212
2-3/4" (70mm)	SS234
3" (76mm)	SS300
Other Strikes (no lip)	**Specify**
2-3/4" (70mm) x 1-1/8" (29mm)	(standard)
3-1/2" (89mm) x 1-1/8" (29mm	SD001

Door Thickness

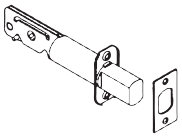
Description	Specify
1-3/4" (44mm) - 2" (51mm)	(standard)
2-1/4" (57mm)	D214
1-3/8" (35mm)	D138

Miscellaneous Options

Description	Specify
ANSI wrought strike box	M17
Ergonomic Thumbturn	M34
Wrought box for standard strike	(standard)

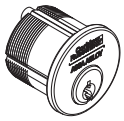
Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
Interchangeable core (IC) 6-pin	C6
IC 6-pin less core	CL6
SFIC 6-pin with Less Core	CLS6
IC 6-pin with temporary construction core	
Red	CT6R
Blue	CT6B
Green	CT6G
Conventional 7-pin	7P
IC 7-pin	C7
IC 7-pin with temporary construction core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin less core	CL7
SFIC 7-pin with Less Core	CLS7
Security	HS
Security IC	CHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid Security Fixed Core	PS
Pyramid Security IC	PCS
Pyramid Temp Core	CTP
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
- Keys only	VKC1
- Cylinders and keys (not available with HS or CHS)	VKC2
- Cylinders only (not available with HS or CHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders and VKC keys	CKC2
- CKC cylinders only	CKC3
UL IC 6-Pin Housing Less Core	CL6AH
UL IC 6-Pin Housing with Disposable Core	CTAHD
UL IC 6-Pin Housing with (Red/Blue/ Green) Temporary Construction Core	CT6AH(R/B/G)
2 keys per lock	(standard)
More than 2 keys (e.g., KY6)	KY#



Bolt and Front

Description	Part No.	Specify
2-3/4" (70mm) backset bolt (less front)	467F35-8	(standard)
2-3/8" (60mm) backset bolt (less front)	693F20-8	B238
1-1/8" (29mm) front	467F36	—



Cylinder Only

Specify Part No. x Keyway x Finish

Description	Number
Conventional 6-pin	1000-118-A03
Conventional 7-pin	1000-114-A03-7
IC 6-pin	1080-114-A03
IC 6-pin less core	1070-114-A03
IC 7-pin	1080-114-A03-7
IC 7-pin less core	1070-114-A03-7
Security	1010-118-A03
Security IC	1090-114-A03
Pyramid (FC) Conventional	1020-114-A03
Pyramid (IC)	1030-114-A03
Access 3 Patented Fixed Core	1500-114-A03
Access 3 Security Fixed Core	1600-114-A03
Access 3 High Security Fixed Core	1700-114-A03
Access 3 Patented Interchangeable Core	1580-114-A03
Access 3 Security Interchangeable Core	1680-114-A03
Access 3 High Security Interchangeable Core	1788-114-A03
Access 3 UL 6-Pin Housing	1078-114-A03

45012-3/19

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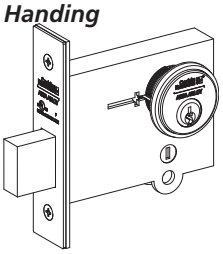
Corbin Russwin
ASSA ABLOY

Deadlocks DL4100 Series

Padlocks & Deadlocks

Features

Handing



Non-handed.

Door Thickness
Standard: 1-3/4" (44mm). Optional door thicknesses available; see Quick Codes.

Backset
2-3/4" (70mm).

Lockcase
Heavy wrought steel; zinc dichromate finish.

Front
Brass, bronze, stainless steel.
4-5/8"(117mm) x 1-1/8" (29mm).
Adjustable for flat or beveled doors (bevel adjustment 1/8"(3mm) in 2"(51mm).

Deadbolt
Steel with hardened pin; 1" (25mm) throw.

Strike
Standard: wrought brass or bronze, 3-1/2" (89mm) x 1-1/8" (29mm).
Optional strikes available; see Strikes, this page.

Cylinder
6-pin, L4 keyway, 0-bitted. Security cylinder optional; see Quick Codes.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
7-pin (FC) conventional
Interchangeable core (IC)
Security
Security (IC)
Visual key control
Concealed key control
Pyramid (FC)
Pyramid (IC)

Warranty
One-year limited.

Certification/Compliance

UL
Listed for use on fire doors.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Functions

Outside/Inside	Series/ Function	Type	ANSI No.	Function Description
	DL4113	Single Cylinder	E6070 Series	- By key outside and by thumbturn inside.
	DL4112	Double Cylinder	E6060 Series	- By key either side.
	DL4117	Classroom	E6090 Series	- By key outside and by thumbturn inside. - Thumbturn will retract but not project deadbolt.
	DL4111	Cylinder x Blank	E6080 Series	- By key one side only; opposite side blank.
	DL4122	Double Cylinder x Thumbturn	—	- By key either side and by thumbturn inside. - Thumbturn will retract but not project deadbolt.
	DL4160	Thumbturn x Blank	—	- By thumbturn inside only; opposite side blank.

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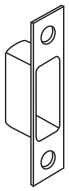
Deadlocks DL4100 Series

Padlocks & Deadlocks

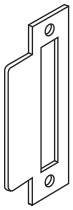
Strikes



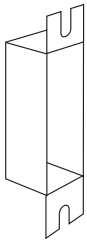
Standard Strike
3-1/2" (89mm) x 1-1/8" (29mm). To order separately, specify 796F34 x Finish.



Strike Box
Optional with Standard Strike; see Quick Codes. To order separately, specify 466F27-9.

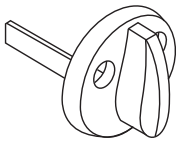


ANSI Strike
Optional; see Quick Codes. To order separately, specify 240L08 x Finish.

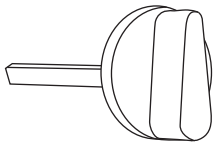


ANSI Wrought Strike Box
Optional for use with ANSI Strike; see Quick Codes. To order separately, specify 120F76-8.

Thumbturns



Standard Thumbturn
Cast brass or bronze. Standard on functions utilizing thumbturn. Surface screw mounted. To order separately, see table.



Optional Thumbturn
Large profile and offset center thumbturn makes it easier to grasp and rotate. To order with lock, specify Quick Code M34. To order separately, see table.

Door	Packet	
	Standard	Optional
1-3/4" (44mm)	796F30M x FIN	791F51M x FIN
2" (51mm)	857F45M x FIN	
2-1/4" (57mm)	857F46M x FIN	

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Deadlocks DL4100 Series

Padlocks & Deadlocks

Ordering Examples

Stock Order

Quantity	Series/Function	Finish
24	DL4113	626

Contract/Detailed Order

Quantity	Keyset	Series/ Function	Finish	Optional Strike	Door Thickness	Misc. Options
7	AA13	DL4112	626	SS118	D214	C6-VKC2

Quick Codes

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
Interchangeable core (IC) 6-pin	C6
IC 6-pin less core	CL6
IC 6-pin with temporary construction core	CT6
Red	CT6R
Blue	CT6B
Green	CT6G
SFIC 6-pin with temporary construction core	CTS6
Red	CTS6R
Blue	CTS6B
Green	CTS6G
SFIC 6-pin with disposable construction core	CTS6D
SFIC 6-pin less core	CLS6
Conventional 7-pin	7P
IC 7-pin	C7
IC 7-pin with temporary construction core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin less core	CL7
SFIC 7-pin temporary construction core	CTS7
Red	CTS7R
Blue	CTS7B
Green	CTS7G
SFIC 7-pin with disposable construction core	CTS7D
SFIC 7-pin less core	CLS7
Security	HS

Description	Specify
Security IC	CHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid Security Fixed Core	PS
Pyramid Security IC	PCS
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
- Keys only	VKC1
- Cylinders and keys (not available with HS or CHS)	VKC2
- Cylinders only (not available with HS or CHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders and VKC keys	CKC2
- CKC cylinders only	CKC3
UL IC 6-Pin Housing Less Core	CL6AH
UL IC 6-Pin Housing with Disposable Core	CTAHD
UL IC 6-Pin Housing with (Red/Blue/Green) Temporary Construction Core	CT6AH(R/B/G)
2 keys per lock	(standard)
More than 2 keys (e.g., KY6)	KY#

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Deadlocks DL4100 Series

Padlocks & Deadlocks

Finish

Description		Specify
BHMA 605 (US3)	Bright Brass	605
BHMA 606 (US4)	Satin Brass	606
BHMA 611 (US9)	Bright Bronze	611
BHMA 612 (US10)	Satin Bronze	612
BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed	613
BHMA 613E (US10BE)	Dark Oxidized Satin Bronze - equivalent	613E
613L	Dark Oxidized Satin Bronze, Clear Coated	613L
BHMA 618 (US14)	Bright Nickel	618
BHMA 619 (US15)	Satin Nickel	619
BHMA 625 (US26)	Bright Chromium Plated	625
BHMA 626 (US26D)	Satin Chromium Plated	626
—	Black Suede Powder Coat	BSP
—	White Suede Powder Coat	WSP

Strike

Lip to Center	ANSI Straight Lip Specify
7/8" (22mm)	SS078
1-1/8" (29mm)	SS118
1-1/4" (32mm)	SS114
1-3/8" (35mm)	SS138
1-1/2" (38mm)	SS112
1-3/4" (44mm)	SS134
2" (51mm)	SS200
2-1/4" (57mm)	SS214
2-1/2" (64mm)	SS212
2-3/4" (70mm)	SS234
3" (76mm)	SS300

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws	M04
ANSI wrought strike box	M17
Lead wrapped case	M29
Ergonomic thumbturn	M34
Box for standard strike	M40

Door Thickness

Description	Specify
1-3/4" (44mm) - 2" (51mm)	(standard)
2-1/4" (57mm)	D214

Cylinder Only

Specify Part No. x Keyway x Finish

Description	Number
Conventional 6-pin	1000-118-A07
Conventional 7-pin	1000-114-A07-7
IC 6-pin	1080-114-A07
IC 6-pin less core	1070-114-A07
IC 7-pin	1080-112-A07-7
IC 7-pin less core	1070-112-A07-7
Security	1010-118-A07
Security IC	1090-114-A07
Pyramid (FC) Conventional	1020-114-A07
Pyramid (IC)	1030-114-A07
Access 3® Patented Fixed Core	1500-114-A07
Access 3® Security Fixed Core	1600-114-A07
Access 3® High Security Fixed Core	1700-114-A07
Access 3® Patented Interchangeable Core	1580-114-A07
Access 3® Security Interchangeable Core	1680-114-A07
Access 3® High Security Interchangeable Core	1788-114-A07

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Corbin Russwin

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Corbin Russwin

ASSA ABLOY

Padlocks & Deadlocks

PL5000, DL2200/DL3200, DL3000 & DL4100 Series



ASSA ABLOY, the global leader in door opening solutions



Corbin Russwin
ASSA ABLOY

Introduction

Padlocks & Deadlocks

Applications

Corbin Russwin Auxiliary Locks provide security for a wide range of applications. Our auxiliary and special purpose locks including padlocks and deadlocks allow end users to meet specific security needs.

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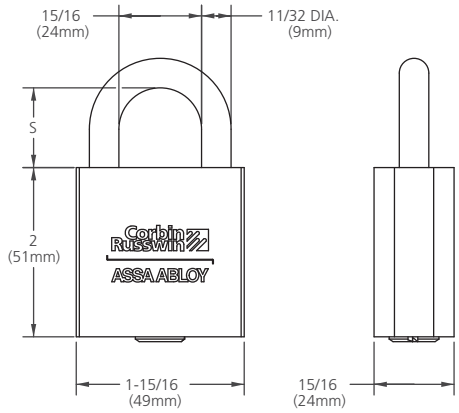
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Padlocks PL5000 Series

Padlocks & Deadlocks

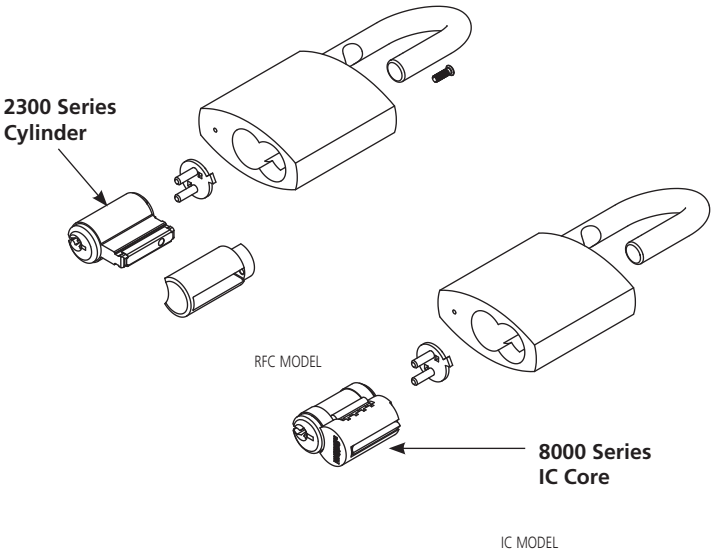
Rekeyable Fixed Core (RFC) and Interchangeable Core (IC) Models





Model	Series	Shackle Clearance S
RFC	PL5000R PL5100R PL5200R	Std: 7/8" (22mm) 258: 2-5/8" (67mm)
IC	PL5070 PL5170 PL5270	

Padlock Parts	
756F963	Throw member for IC & RFC padlocks (A)
793F592 (606 finish)	Cylinder sleeve for RFC padlocks (B)
438F41-8	Mounting screw for RFC padlocks (C)



Features

Case
Extruded brass.

Shackle
11/32" (9mm) diameter hardened steel (PL5000 Series), brass (PL5100 Series) or stainless steel (PL5200 Series).

Locking
Ball-bearing locking heel and toe.

Cylinder
RFC model: 6-pin Fixed Core (2300)
IC model: 6-Pin, Security, Pyramid & Access 3 (8000 Series)
L4 keyway standard

Keying Features Available
Master keying
Construction master keying
Interchangeable core (IC) 6-pin
IC security
Concealed key control
Visual key control (not for HS)
Pyramid (IC only)
Access 3® (IC only)

Keys
Two nickel silver standard.

Warranty
One-year limited.

Finish
BHMA 606 Satin Brass (US4) only.

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Padlocks PL5000 Series

Padlocks & Deadlocks

Ordering Examples

Stock Order

Quantity	Series/Function
10	PL5000R

Contract / Detailed Order

Quantity	Keyset	Series/Function	Shackle Length	Misc. Options
4	AJ3	PL5080	258	M45 x S19866

Quick Codes

Series / Function

Description	Series/Function		
	Hardened Steel Shackle	Brass Shackle	Stainless Steel Shackle
Rekeyable Fixed Core (RFC)	PL5000R	PL5100R	PL5200R
Interchangeable core (IC) less core	PL5070	PL5170	PL5270
IC 6-pin	PL5080	PL5180	PL5280
IC security	PL5090	PL5190	PL5290
Pyramid High Security (IC)	PL5030	PL5130	PL5230
Pyramid Security (IC)	PL5037	PL5137	PL5237

Miscellaneous Options

Description	Specify
Chain and clevis attached	M44
Custom die stamped case (specify existing die number, or provide lettering specifications or artwork)	M45 x #

Cylinder Only

Description	Specify
Removable Core	
Standard 6-pin	2300
Interchangeable Core	
Standard 6-pin	8000
Security	8010
Pyramid High Security	8020
Pyramid Security	8027
Access 3® - Patented	8500
Access 3® - Security	8600
Access 3® - High Security	8700

Cylinder and Keying

Description	Specify
Keyed random (standard for Pyramid & IC security padlocks)	KR
0-bitted (not available for Pyramid & IC security padlocks)	(standard)
Construction Master Keyed (RFC & IC 6-pin padlocks only)	CMK
Temporary construction core (Red) (IC 6-pin padlocks only)	CT6R
Temporary Construction Core (Blue) (IC 6-pin padlocks only)	CT6B
Temporary Construction Core (Green) (IC 6-pin padlocks only)	CT6G
Visual key control (VKC)	
- Keys only	VKC1
- Locks and keys (RFC & IC 6-pin padlocks only)	VKC2
- Locks only (RFC & IC 6-pin padlocks only)	VKC3
Concealed key control (CKC) (IC 6-pin & IC security padlocks only)	
- CKC cores and VKC keys	CKC2
- CKC cores only	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)
Rekeyable FC (RFC) Less Cylinder	LC
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS

Shackle Clearance

Description	Specify
7/8" (22mm)	(standard)
2-5/8" (67mm)	258

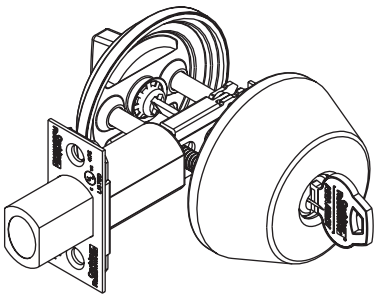
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45012-3/19

Deadlocks DL2200/DL3200 Series

Padlocks & Deadlocks

Features



Handing Non-handed.

Door Thickness Standard: 1-3/4" (44mm). Optional door thicknesses available; see Quick Codes.

Backset Standard: 2-3/4" (70mm) Optional: 2-3/8" (60mm)

Front Standard: brass or stainless steel, 2-1/4" (57mm) x 1-1/8" (29mm). Optional: 1" width; see Quick Codes.

Deadbolt 1" throw, solid steel deadbolt with hardened, free spinning, steel pin insert.

Strike Standard; 2-3/4" (70mm) x 1-1/8" (29mm). Optional strikes and wrought boxes available; see Strikes, this page.

Cylinder Standard: brass, 6-pin, L4 keyway, 0-bitted. Security cylinder optional; see Quick Codes.

Keys Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
Security
Visual key control
Concealed key control

Warranty One-year limited.

Certification/Compliance

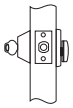
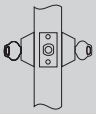
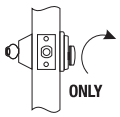
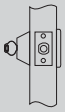
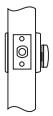
UL

UL10B/UL10C Fire Rated Auxiliary Lock for A label and lesser class doors when used with a correspondingly rated primary latching device.

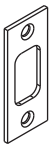
ANSI
DL2200 - 156.5 Grade 2
DL3200 - 156.5 Grade 1

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

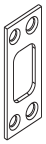
Functions

Outside Inside	Series/ Function	Type	ANSI No.	Function Description
	DL2213 DL3213	Single Cylinder	E0150 Series	- By key outside and by thumbturn inside.
	DL2212 DL3212	Double Cylinder	E0140 Series	- By key either side.
	DL2217 DL3217	Classroom	E0170 Series	- By key outside and by thumbturn inside. - Thumbturn will retract but not project deadbolt.
	DL2211 DL3211	Cylinder x Blank	E0160 Series	- By key one side only; opposite side blank.
	DL2260 DL3260	Thumbturn x Blank	E0190 Series	- By thumbturn one side only; opposite side blank.

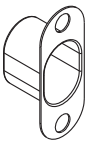
Strikes



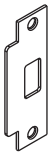
Metal Frame Strike
Standard
2-3/4" (70mm) x 1-1/8" (29mm).
To order separately, specify 781F568 x Finish



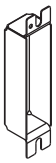
Wood Frame Strike
Standard
2-3/4" (70mm) x 1-1/8" (29mm).
To order separately, specify 781F558 x Finish.



Strike Box
Standard with standard strikes.
To order separately, specify 781F599.



ANSI Strike
Optional; see Quick Codes.
To order separately, specify 423L71 x Finish.



ANSI Wrought Strike Box
Optional for use with ANSI strike; see Quick Codes. To order separately, specify 120F768.

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Deadlocks DL2200/DL3200 Series

Padlocks & Deadlocks

Ordering Examples

Stock Order

Quantity	Series/Function	Finish
24	DL2213	626

Contract/Detailed Order

Quantity	Keyset	Series/Function	Finish	Strike	Options
24	AA1	DL2213	626	SS078	HS-CKC2

Cylinders

Cylinder Only (less housing)

Function	Part Number	Cylinder Type	Door Thickness
11,13,17	4400-134-A51	6-Pin Conventional	1-3/8" (35mm) 1-3/4" (44mm) 2" (51mm) 2-1/4" (57mm)
	4400-134-A51-7	7-Pin Conventional	
	4410-134-A51	Security	
	4420-134-A51	Pyramid High Security	
	4427-134-A51	Pyramid Security	
	4500-134-A51	Access 3® Patented	
	4600-134-A51	Access 3® Security	
	4700-134-A51	Access 3® High Security	
12	4400-134-A52	6-Pin Conventional	1-3/8" (35mm) 1-3/4" (44mm)
	4400-134-A52-7	7-Pin Conventional	
	4410-134-A52	Security	
	4420-134-A52	Pyramid High Security	
	4427-134-A52	Pyramid Security	
	4500-134-A52	Access 3® Patented (AP)	
	4600-134-A52	Access 3® Security (AS)	
	4700-134-A52	Access 3® High Security (AHS)	
	4400-214-A52	6-Pin Conventional	2" (51mm) 2-1/4" (57mm)
	4400-214-A52-7	7-Pin Conventional	
	4410-214-A52	Security	
	4420-214-A52	Pyramid High Security	
	4427-214-A52	Pyramid Security	
	4500-214-A52	Access 3® Patented (AP)	
	4600-214-A52	Access 3® Security (AS)	
	4700-214-A52	Access 3 High Security (AHS)	
11,12,13,17	8000	6-Pin IC	See the Housing Assembly for Interchangeable Core Cylinder chart below.
	8000-7	7-Pin IC	
	8010	Security IC	
	8020	Pyramid High Security IC	
	8027	Pyramid Security IC	
	8500	Access 3® Patented IC	
	8600	Access 3® Security IC	
	8500	Access 3® High Security IC	

Housing Assembly - Interchangeable Core Cylinder

Function	Part Number	Accepts Core	Door Thickness
11,13,17	4440-134-A51	6 & 7 Pin SFIC	1-3/8" (35mm) 1-3/4" (44mm) 2" (51mm) 2-1/4" (57mm)
	4470-134-A51	6-Pin LFIC	
	4470-134-A51-7	7-Pin LFIC	
12	4440-138-A52-XX (*)	6 & 7 Pin SFIC	1-3/8" (35mm)
	4470-138-A52-XX	6-Pin LFIC	
	4470-138-A52-7-XX	7-Pin LFIC	
	4440-134-A52-XX	6 & 7 Pin SFIC	1-3/4" (44mm)
	4470-134-A52-XX	6-Pin LFIC	
	4470-134-A52-7-XX	7-Pin LFIC	
	4440-200-A52-XX	6 & 7 Pin SFIC	2" (51mm)
	4470-200-A52-XX	6-Pin LFIC	
	4470-200-A52-7-XX	7-Pin LFIC	
	4440-214-A52-XX	6 & 7 Pin SFIC	2-1/4" (57mm)
	4470-214-A52-XX	6-Pin LFIC	
	4470-214-A52-7-XX	7-Pin LFIC	

(*) Specify "OS" for outside of door or "IS" for inside of door.

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
Conventional 7-pin	7P
Interchangeable core (IC) 6-pin	C6
LFIC 6-pin less core	CL6
SFIC 6-pin with Less Core	CLS6
LFIC 6-pin with temporary disposable core	CT6D
LFIC 6-pin with temporary construction core	
Red	CT6R
Blue	CT6B
Green	CT6G
LFIC 7-pin	C7
LFIC 7-pin less core	CL7
SFIC 7-pin with Less Core	CLS7
LFIC 7-pin with temporary disposable core	CT7D
LFIC 7-pin with temporary construction core	
Red	CT7R
Blue	CT7B
Green	CT7G
Security	HS
Security LFIC	CHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security LFIC	PCHS
Pyramid Security Fixed Core	PS
Pyramid Security LFIC	PCS
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented LFIC	ACP
Access 3® Security LFIC	ACS
Access 3® High Security LFIC	ACHS
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction Master Keyed (not available for Pyramid & Security cylinders)	CMK
Visual key control (VKC)	
- Keys only	VKC1
- Cylinders and keys (not available with HS or CHS)	VKC2
- Cylinders only (not available with HS or CHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders and VKC keys	CKC2
- CKC cylinders only	CKC3
2 keys per lock	(standard)
More than 2 keys (e.g., KY6)	KY#

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Deadlocks DL2200/DL3200 Series

Quick Codes

Finish

Description		Specify
US3	Bright Brass	605
US4	Satin Brass	606
US10	Satin Bronze	612
US10B	Dark Oxidized Satin Bronze, oil rubbed	613
US10BE	Dark Oxidized Satin Bronze - equivalent	613E
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626
—	Black Suede Powder Coat	BSP
—	White Suede Powder Coat	WSP

Door Thickness

Description	Specify
1-3/8" (35mm)	D138
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

Strike

Lip to Center	ANSI Straight Lip Specify
7/8" (22mm)	SS078
1-1/8" (29mm)	SS118
1-1/4" (32mm)	SS114
1-3/8" (35mm)	SS138
1-1/2" (38mm)	SS112
1-3/4" (44mm)	SS134
2" (51mm)	SS200
2-1/4" (57mm)	SS214
2-1/2" (64mm)	SS212
2-3/4" (70mm)	SS234
3" (76mm)	SS300

Miscellaneous Options

Description	Specify
ANSI wrought strike box	M17
Plastic box for standard strike	(standard)

Bolt Assembly

Description	Part No.	Specify
2-3/8" (60mm) Backset	781F528	B238
2-3/4" (70mm) Backset	781F538	(standard)
Front Trim Plates		
1" (25mm) Wide	781F50M x Finish	M14
1-1/8" (29mm) Wide	781F51M x Finish	(standard)

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Corbin Russwin
ASSA ABLOY

Deadlocks DL3000 Series

Padlocks & Deadlocks

Features



Handing
Non-handed, except DL3017, which is handed and field reversible.

Door Thickness
Standard: 1-3/4" (44mm) - 2-1/4" (57mm). Optional door thicknesses available; see Quick Codes.

Backset
Standard: 2-3/4" (70mm)
Optional: 2-3/8" (60mm)

Front
Standard: wrought brass or bronze, 2-1/4" (57mm) x 1-1/8" (29mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Deadbolt
Zinc diecast hardened steel insert. 1" (25mm) throw, 5/8" (16mm) wide x 3/4" (19mm) high.

Strike
Standard; 2-3/4" (70mm) x 1-1/8" (29mm).
Optional strikes and wrought boxes available; see Strikes, this page.

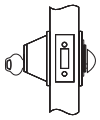
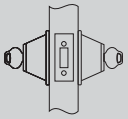
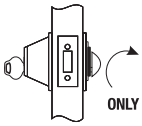
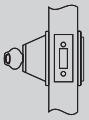
Cylinder
Brass, 6-pin, L4 keyway, 0-bitted. Security cylinders optional; see Quick Codes.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
7-pin (FC) conventional
Interchangeable core (IC)
Security
Security (IC)
Visual key control
Concealed key control
Pyramid (FC)
Pyramid (IC)

Warranty
One-year limited.

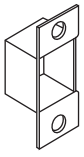
Functions

Outside Inside	Series/ Function	Type	ANSI No.	Function Description
	DL3013	Single Cylinder	E0150 Series	- By key outside and by thumbturn inside.
	DL3012	Double Cylinder	E0140 Series	- By key either side.
	DL3017	Classroom	E0170 Series	- By key outside and by thumbturn inside. - Thumbturn will retract but not project deadbolt.
	DL3011	Cylinder x Blank	E0160 Series	- By key one side only; opposite side blank.
	DL3060	Thumbturn x Blank	E0190 Series	- By thumbturn one side; opposite side blank.

Strikes



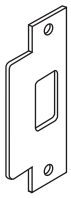
Standard Strike
2-3/4" (70mm) x 1-1/8" (29mm).
To order separately, specify 424F83 x Finish.



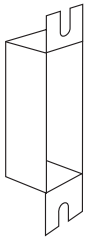
Wrought Strike Box
Standard with Standard Strike.
To order separately, specify 496F71-8.



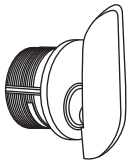
Optional Strike
3-1/2" (89mm) x 1-1/8" (29mm); see Quick Codes.
To order separately, specify 394F19 x Finish.



ANSI Strike
Optional; see Quick Codes.
To order separately, specify 423L71 x Finish.



ANSI Wrought Strike Box
Optional for use with ANSI Strike; see Quick Codes.
To order separately, specify 120F76-8.



Optional Thumbturn
Large profile and offset center thumbturn makes it easier to grasp and rotate. To order specify Quick Code M34. Available for DL3013, DL3017, DL3060.

Note: Interchangeable core not available with 1-3/8" door thickness (D138) option and 2-3/8" backset (B238) option.

ASSA ABLOY, the global leader in door opening solutions

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Ordering Examples

Stock Order

Quantity	Series/Function	Finish
24	DL3013	626

Contract/Detailed Order

Quantity	Keyset	Series/ Function	Finish	Optional Strike	Door Thickness	Misc. Options
24	AA1	DL3013	613	SS118	D214	C6-M17

Quick Codes

Finish

Description		Specify
US3	Bright Brass	605
US4	Satin Brass	606
US10	Satin Bronze	612
US10B	Dark Oxidized Satin Bronze, oil rubbed	613
US10BE	Dark Oxidized Satin Bronze - equivalent	613E
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626
—	Black Suede Powder Coat	BSP
—	White Suede Powder Coat	WSP

Strike

Lip to Center	ANSI Straight Lip Specify
7/8" (22mm)	SS078
1-1/8" (29mm)	SS118
1-1/4" (32mm)	SS114
1-3/8" (35mm)	SS138
1-1/2" (38mm)	SS112
1-3/4" (44mm)	SS134
2" (51mm)	SS200
2-1/4" (57mm)	SS214
2-1/2" (64mm)	SS212
2-3/4" (70mm)	SS234
3" (76mm)	SS300
Other Strikes (no lip)	**Specify**
2-3/4" (70mm) x 1-1/8" (29mm)	(standard)
3-1/2" (89mm) x 1-1/8" (29mm	SD001

Door Thickness

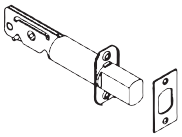
Description	Specify
1-3/4" (44mm) - 2" (51mm)	(standard)
2-1/4" (57mm)	D214
1-3/8" (35mm)	D138

Miscellaneous Options

Description	Specify
ANSI wrought strike box	M17
Ergonomic Thumbturn	M34
Wrought box for standard strike	(standard)

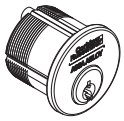
Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
Interchangeable core (IC) 6-pin	C6
IC 6-pin less core	CL6
SFIC 6-pin with Less Core	CLS6
IC 6-pin with temporary construction core	
Red	CT6R
Blue	CT6B
Green	CT6G
Conventional 7-pin	7P
IC 7-pin	C7
IC 7-pin with temporary construction core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin less core	CL7
SFIC 7-pin with Less Core	CLS7
Security	HS
Security IC	CHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid Security Fixed Core	PS
Pyramid Security IC	PCS
Pyramid Temp Core	CTP
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
- Keys only	VKC1
- Cylinders and keys (not available with HS or CHS)	VKC2
- Cylinders only (not available with HS or CHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders and VKC keys	CKC2
- CKC cylinders only	CKC3
UL IC 6-Pin Housing Less Core	CL6AH
UL IC 6-Pin Housing with Disposable Core	CTAHD
UL IC 6-Pin Housing with (Red/Blue/ Green) Temporary Construction Core	CT6AH(R/B/G)
2 keys per lock	(standard)
More than 2 keys (e.g., KY6)	KY#



Bolt and Front

Description	Part No.	Specify
2-3/4" (70mm) backset bolt (less front)	467F35-8	(standard)
2-3/8" (60mm) backset bolt (less front)	693F20-8	B238
1-1/8" (29mm) front	467F36	—



Cylinder Only

Specify Part No. x Keyway x Finish

Description	Number
Conventional 6-pin	1000-118-A03
Conventional 7-pin	1000-114-A03-7
IC 6-pin	1080-114-A03
IC 6-pin less core	1070-114-A03
IC 7-pin	1080-114-A03-7
IC 7-pin less core	1070-114-A03-7
Security	1010-118-A03
Security IC	1090-114-A03
Pyramid (FC) Conventional	1020-114-A03
Pyramid (IC)	1030-114-A03
Access 3 Patented Fixed Core	1500-114-A03
Access 3 Security Fixed Core	1600-114-A03
Access 3 High Security Fixed Core	1700-114-A03
Access 3 Patented Interchangeable Core	1580-114-A03
Access 3 Security Interchangeable Core	1680-114-A03
Access 3 High Security Interchangeable Core	1788-114-A03
Access 3 UL 6-Pin Housing	1078-114-A03

45012-3/19

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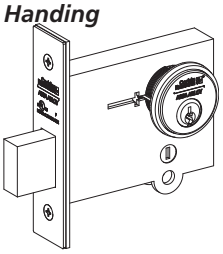
Corbin Russwin
ASSA ABLOY

Deadlocks DL4100 Series

Padlocks & Deadlocks

Features

Handing



Non-handed.

Door Thickness
Standard: 1-3/4" (44mm). Optional door thicknesses available; see Quick Codes.

Backset
2-3/4" (70mm).

Lockcase
Heavy wrought steel; zinc dichromate finish.

Front
Brass, bronze, stainless steel.
4-5/8"(117mm) x 1-1/8" (29mm).
Adjustable for flat or beveled doors (bevel adjustment 1/8"(3mm) in 2"(51mm).

Deadbolt
Steel with hardened pin; 1" (25mm) throw.

Strike
Standard: wrought brass or bronze, 3-1/2" (89mm) x 1-1/8" (29mm).
Optional strikes available; see Strikes, this page.

Cylinder
6-pin, L4 keyway, 0-bitted. Security cylinder optional; see Quick Codes.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
7-pin (FC) conventional
Interchangeable core (IC)
Security
Security (IC)
Visual key control
Concealed key control
Pyramid (FC)
Pyramid (IC)

Warranty
One-year limited.

Certification/Compliance

UL
Listed for use on fire doors.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Functions

Outside/Inside	Series/ Function	Type	ANSI No.	Function Description
	DL4113	Single Cylinder	E6070 Series	- By key outside and by thumbturn inside.
	DL4112	Double Cylinder	E6060 Series	- By key either side.
	DL4117	Classroom	E6090 Series	- By key outside and by thumbturn inside. - Thumbturn will retract but not project deadbolt.
	DL4111	Cylinder x Blank	E6080 Series	- By key one side only; opposite side blank.
	DL4122	Double Cylinder x Thumbturn	—	- By key either side and by thumbturn inside. - Thumbturn will retract but not project deadbolt.
	DL4160	Thumbturn x Blank	—	- By thumbturn inside only; opposite side blank.

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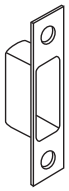
Deadlocks DL4100 Series

Padlocks & Deadlocks

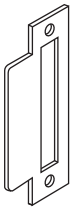
Strikes



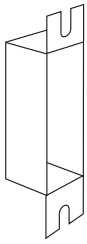
Standard Strike
3-1/2" (89mm) x 1-1/8" (29mm). To order separately, specify 796F34 x Finish.



Strike Box
Optional with Standard Strike; see Quick Codes. To order separately, specify 466F27-9.

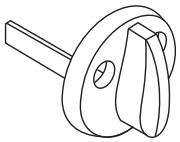


ANSI Strike
Optional; see Quick Codes. To order separately, specify 240L08 x Finish.

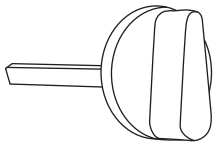


ANSI Wrought Strike Box
Optional for use with ANSI Strike; see Quick Codes. To order separately, specify 120F76-8.

Thumbturns



Standard Thumbturn
Cast brass or bronze. Standard on functions utilizing thumbturn. Surface screw mounted. To order separately, see table.



Optional Thumbturn
Large profile and offset center thumbturn makes it easier to grasp and rotate. To order with lock, specify Quick Code M34. To order separately, see table.

Door	Packet	
	Standard	Optional
1-3/4" (44mm)	796F30M x FIN	791F51M x FIN
2" (51mm)	857F45M x FIN	
2-1/4" (57mm)	857F46M x FIN	

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Deadlocks DL4100 Series

Padlocks & Deadlocks

Ordering Examples

Stock Order

Quantity	Series/Function	Finish
24	DL4113	626

Contract/Detailed Order

Quantity	Keyset	Series/ Function	Finish	Optional Strike	Door Thickness	Misc. Options
7	AA13	DL4112	626	SS118	D214	C6-VKC2

Quick Codes

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
Interchangeable core (IC) 6-pin	C6
IC 6-pin less core	CL6
IC 6-pin with temporary construction core	CT6
Red	CT6R
Blue	CT6B
Green	CT6G
SFIC 6-pin with temporary construction core	CTS6
Red	CTS6R
Blue	CTS6B
Green	CTS6G
SFIC 6-pin with disposable construction core	CTS6D
SFIC 6-pin less core	CLS6
Conventional 7-pin	7P
IC 7-pin	C7
IC 7-pin with temporary construction core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin less core	CL7
SFIC 7-pin temporary construction core	CTS7
Red	CTS7R
Blue	CTS7B
Green	CTS7G
SFIC 7-pin with disposable construction core	CTS7D
SFIC 7-pin less core	CLS7
Security	HS

Description	Specify
Security IC	CHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid Security Fixed Core	PS
Pyramid Security IC	PCS
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
- Keys only	VKC1
- Cylinders and keys (not available with HS or CHS)	VKC2
- Cylinders only (not available with HS or CHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders and VKC keys	CKC2
- CKC cylinders only	CKC3
UL IC 6-Pin Housing Less Core	CL6AH
UL IC 6-Pin Housing with Disposable Core	CTAHD
UL IC 6-Pin Housing with (Red/Blue/Green) Temporary Construction Core	CT6AH(R/B/G)
2 keys per lock	(standard)
More than 2 keys (e.g., KY6)	KY#

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Deadlocks DL4100 Series

Padlocks & Deadlocks

Finish

Description		Specify
BHMA 605 (US3)	Bright Brass	605
BHMA 606 (US4)	Satin Brass	606
BHMA 611 (US9)	Bright Bronze	611
BHMA 612 (US10)	Satin Bronze	612
BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed	613
BHMA 613E (US10BE)	Dark Oxidized Satin Bronze - equivalent	613E
613L	Dark Oxidized Satin Bronze, Clear Coated	613L
BHMA 618 (US14)	Bright Nickel	618
BHMA 619 (US15)	Satin Nickel	619
BHMA 625 (US26)	Bright Chromium Plated	625
BHMA 626 (US26D)	Satin Chromium Plated	626
—	Black Suede Powder Coat	BSP
—	White Suede Powder Coat	WSP

Strike

Lip to Center	ANSI Straight Lip Specify
7/8" (22mm)	SS078
1-1/8" (29mm)	SS118
1-1/4" (32mm)	SS114
1-3/8" (35mm)	SS138
1-1/2" (38mm)	SS112
1-3/4" (44mm)	SS134
2" (51mm)	SS200
2-1/4" (57mm)	SS214
2-1/2" (64mm)	SS212
2-3/4" (70mm)	SS234
3" (76mm)	SS300

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws	M04
ANSI wrought strike box	M17
Lead wrapped case	M29
Ergonomic thumbturn	M34
Box for standard strike	M40

Door Thickness

Description	Specify
1-3/4" (44mm) - 2" (51mm)	(standard)
2-1/4" (57mm)	D214

Cylinder Only

Specify Part No. x Keyway x Finish

Description	Number
Conventional 6-pin	1000-118-A07
Conventional 7-pin	1000-114-A07-7
IC 6-pin	1080-114-A07
IC 6-pin less core	1070-114-A07
IC 7-pin	1080-112-A07-7
IC 7-pin less core	1070-112-A07-7
Security	1010-118-A07
Security IC	1090-114-A07
Pyramid (FC) Conventional	1020-114-A07
Pyramid (IC)	1030-114-A07
Access 3® Patented Fixed Core	1500-114-A07
Access 3® Security Fixed Core	1600-114-A07
Access 3® High Security Fixed Core	1700-114-A07
Access 3® Patented Interchangeable Core	1580-114-A07
Access 3® Security Interchangeable Core	1680-114-A07
Access 3® High Security Interchangeable Core	1788-114-A07

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Corbin Russwin

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For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

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45012-3/19

Corbin Russwin

ASSA ABLOY

Padlocks & Deadlocks

PL5000, DL2200/DL3200, DL3000 & DL4100 Series



ASSA ABLOY, the global leader in door opening solutions



Corbin Russwin
ASSA ABLOY

Introduction

Padlocks & Deadlocks

Applications

Corbin Russwin Auxiliary Locks provide security for a wide range of applications. Our auxiliary and special purpose locks including padlocks and deadlocks allow end users to meet specific security needs.

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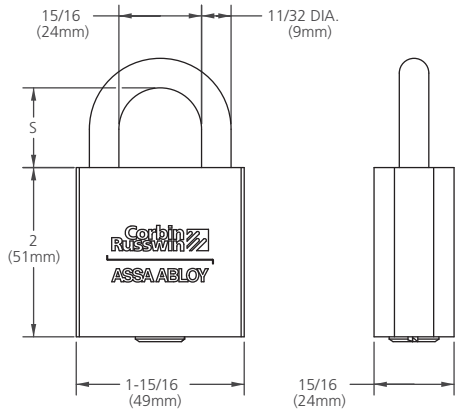
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Padlocks PL5000 Series

Padlocks & Deadlocks

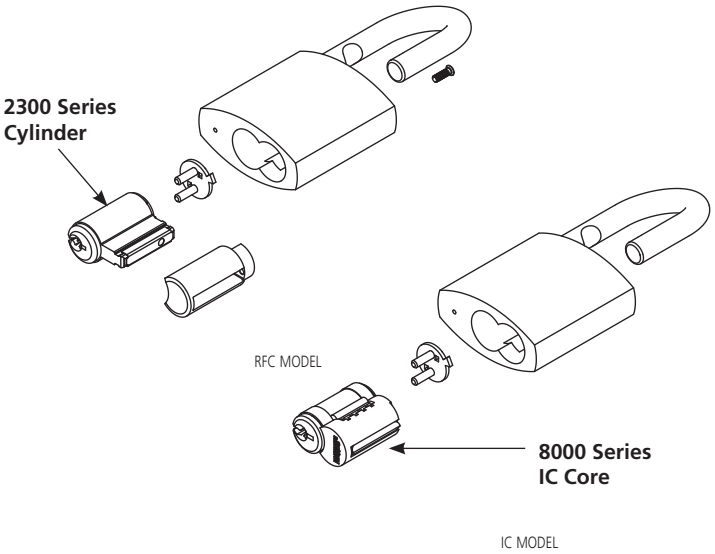
Rekeyable Fixed Core (RFC) and Interchangeable Core (IC) Models





Model	Series	Shackle Clearance S
RFC	PL5000R PL5100R PL5200R	Std: 7/8" (22mm) 258: 2-5/8" (67mm)
IC	PL5070 PL5170 PL5270	

Padlock Parts	
756F963	Throw member for IC & RFC padlocks (A)
793F592 (606 finish)	Cylinder sleeve for RFC padlocks (B)
438F41-8	Mounting screw for RFC padlocks (C)



Features

Case
Extruded brass.

Shackle
11/32" (9mm) diameter hardened steel (PL5000 Series), brass (PL5100 Series) or stainless steel (PL5200 Series).

Locking
Ball-bearing locking heel and toe.

Cylinder
RFC model: 6-pin Fixed Core (2300)
IC model: 6-Pin, Security, Pyramid & Access 3 (8000 Series)
L4 keyway standard

Keying Features Available
Master keying
Construction master keying
Interchangeable core (IC) 6-pin
IC security
Concealed key control
Visual key control (not for HS)
Pyramid (IC only)
Access 3® (IC only)

Keys
Two nickel silver standard.

Warranty
One-year limited.

Finish
BHMA 606 Satin Brass (US4) only.

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ASSA ABLOY

Padlocks PL5000 Series

Padlocks & Deadlocks

Ordering Examples

Stock Order

Quantity	Series/Function
10	PL5000R

Contract / Detailed Order

Quantity	Keyset	Series/Function	Shackle Length	Misc. Options
4	AJ3	PL5080	258	M45 x S19866

Quick Codes

Series / Function

Description	Series/Function		
	Hardened Steel Shackle	Brass Shackle	Stainless Steel Shackle
Rekeyable Fixed Core (RFC)	PL5000R	PL5100R	PL5200R
Interchangeable core (IC) less core	PL5070	PL5170	PL5270
IC 6-pin	PL5080	PL5180	PL5280
IC security	PL5090	PL5190	PL5290
Pyramid High Security (IC)	PL5030	PL5130	PL5230
Pyramid Security (IC)	PL5037	PL5137	PL5237

Miscellaneous Options

Description	Specify
Chain and clevis attached	M44
Custom die stamped case (specify existing die number, or provide lettering specifications or artwork)	M45 x #

Cylinder Only

Description	Specify
Removable Core	
Standard 6-pin	2300
Interchangeable Core	
Standard 6-pin	8000
Security	8010
Pyramid High Security	8020
Pyramid Security	8027
Access 3® - Patented	8500
Access 3® - Security	8600
Access 3® - High Security	8700

Cylinder and Keying

Description	Specify
Keyed random (standard for Pyramid & IC security padlocks)	KR
0-bitted (not available for Pyramid & IC security padlocks)	(standard)
Construction Master Keyed (RFC & IC 6-pin padlocks only)	CMK
Temporary construction core (Red) (IC 6-pin padlocks only)	CT6R
Temporary Construction Core (Blue) (IC 6-pin padlocks only)	CT6B
Temporary Construction Core (Green) (IC 6-pin padlocks only)	CT6G
Visual key control (VKC)	
- Keys only	VKC1
- Locks and keys (RFC & IC 6-pin padlocks only)	VKC2
- Locks only (RFC & IC 6-pin padlocks only)	VKC3
Concealed key control (CKC) (IC 6-pin & IC security padlocks only)	
- CKC cores and VKC keys	CKC2
- CKC cores only	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)
Rekeyable FC (RFC) Less Cylinder	LC
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS

Shackle Clearance

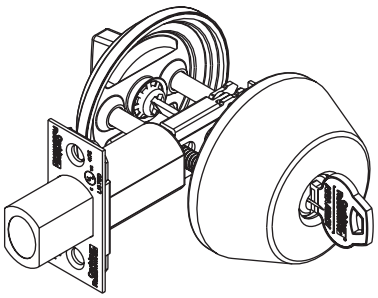
Description	Specify
7/8" (22mm)	(standard)
2-5/8" (67mm)	258

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Deadlocks DL2200/DL3200 Series

Padlocks & Deadlocks

Features



Handing Non-handed.

Door Thickness Standard: 1-3/4" (44mm). Optional door thicknesses available; see Quick Codes.

Backset Standard: 2-3/4" (70mm) Optional: 2-3/8" (60mm)

Front Standard: brass or stainless steel, 2-1/4" (57mm) x 1-1/8" (29mm). Optional: 1" width; see Quick Codes.

Deadbolt 1" throw, solid steel deadbolt with hardened, free spinning, steel pin insert.

Strike Standard; 2-3/4" (70mm) x 1-1/8" (29mm). Optional strikes and wrought boxes available; see Strikes, this page.

Cylinder Standard: brass, 6-pin, L4 keyway, 0-bitted. Security cylinder optional; see Quick Codes.

Keys Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
Security
Visual key control
Concealed key control

Warranty One-year limited.

Certification/Compliance

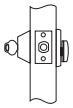
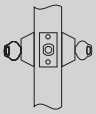
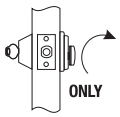
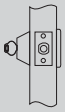
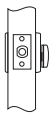
UL

UL10B/UL10C Fire Rated Auxiliary Lock for A label and lesser class doors when used with a correspondingly rated primary latching device.

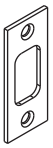
ANSI
DL2200 - 156.5 Grade 2
DL3200 - 156.5 Grade 1

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

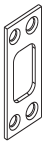
Functions

Outside Inside	Series/ Function	Type	ANSI No.	Function Description
	DL2213 DL3213	Single Cylinder	E0150 Series	- By key outside and by thumbturn inside.
	DL2212 DL3212	Double Cylinder	E0140 Series	- By key either side.
	DL2217 DL3217	Classroom	E0170 Series	- By key outside and by thumbturn inside. - Thumbturn will retract but not project deadbolt.
	DL2211 DL3211	Cylinder x Blank	E0160 Series	- By key one side only; opposite side blank.
	DL2260 DL3260	Thumbturn x Blank	E0190 Series	- By thumbturn one side only; opposite side blank.

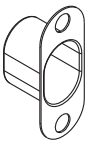
Strikes



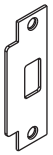
Metal Frame Strike
Standard
2-3/4" (70mm) x 1-1/8" (29mm).
To order separately, specify 781F568 x Finish



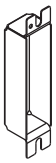
Wood Frame Strike
Standard
2-3/4" (70mm) x 1-1/8" (29mm).
To order separately, specify 781F558 x Finish.



Strike Box
Standard with standard strikes.
To order separately, specify 781F599.



ANSI Strike
Optional; see Quick Codes.
To order separately, specify 423L71 x Finish.



ANSI Wrought Strike Box
Optional for use with ANSI strike; see Quick Codes. To order separately, specify 120F768.

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Deadlocks DL2200/DL3200 Series

Padlocks & Deadlocks

Ordering Examples

Stock Order

Quantity	Series/Function	Finish
24	DL2213	626

Contract/Detailed Order

Quantity	Keyset	Series/Function	Finish	Strike	Options
24	AA1	DL2213	626	SS078	HS-CKC2

Cylinders

Cylinder Only (less housing)

Function	Part Number	Cylinder Type	Door Thickness
11,13,17	4400-134-A51	6-Pin Conventional	1-3/8" (35mm) 1-3/4" (44mm) 2" (51mm) 2-1/4" (57mm)
	4400-134-A51-7	7-Pin Conventional	
	4410-134-A51	Security	
	4420-134-A51	Pyramid High Security	
	4427-134-A51	Pyramid Security	
	4500-134-A51	Access 3® Patented	
	4600-134-A51	Access 3® Security	
	4700-134-A51	Access 3® High Security	
12	4400-134-A52	6-Pin Conventional	1-3/8" (35mm) 1-3/4" (44mm)
	4400-134-A52-7	7-Pin Conventional	
	4410-134-A52	Security	
	4420-134-A52	Pyramid High Security	
	4427-134-A52	Pyramid Security	
	4500-134-A52	Access 3® Patented (AP)	
	4600-134-A52	Access 3® Security (AS)	
	4700-134-A52	Access 3® High Security (AHS)	
	4400-214-A52	6-Pin Conventional	2" (51mm) 2-1/4" (57mm)
	4400-214-A52-7	7-Pin Conventional	
	4410-214-A52	Security	
	4420-214-A52	Pyramid High Security	
	4427-214-A52	Pyramid Security	
	4500-214-A52	Access 3® Patented (AP)	
	4600-214-A52	Access 3® Security (AS)	
	4700-214-A52	Access 3 High Security (AHS)	
11,12,13,17	8000	6-Pin IC	See the Housing Assembly for Interchangeable Core Cylinder chart below.
	8000-7	7-Pin IC	
	8010	Security IC	
	8020	Pyramid High Security IC	
	8027	Pyramid Security IC	
	8500	Access 3® Patented IC	
	8600	Access 3® Security IC	
	8500	Access 3® High Security IC	

Housing Assembly - Interchangeable Core Cylinder

Function	Part Number	Accepts Core	Door Thickness
11,13,17	4440-134-A51	6 & 7 Pin SFIC	1-3/8" (35mm) 1-3/4" (44mm) 2" (51mm) 2-1/4" (57mm)
	4470-134-A51	6-Pin LFIC	
	4470-134-A51-7	7-Pin LFIC	
12	4440-138-A52-XX (*)	6 & 7 Pin SFIC	1-3/8" (35mm)
	4470-138-A52-XX	6-Pin LFIC	
	4470-138-A52-7-XX	7-Pin LFIC	
	4440-134-A52-XX	6 & 7 Pin SFIC	1-3/4" (44mm)
	4470-134-A52-XX	6-Pin LFIC	
	4470-134-A52-7-XX	7-Pin LFIC	
	4440-200-A52-XX	6 & 7 Pin SFIC	2" (51mm)
	4470-200-A52-XX	6-Pin LFIC	
	4470-200-A52-7-XX	7-Pin LFIC	
	4440-214-A52-XX	6 & 7 Pin SFIC	2-1/4" (57mm)
	4470-214-A52-XX	6-Pin LFIC	
	4470-214-A52-7-XX	7-Pin LFIC	

(*) Specify "OS" for outside of door or "IS" for inside of door.

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
Conventional 7-pin	7P
Interchangeable core (IC) 6-pin	C6
LFIC 6-pin less core	CL6
SFIC 6-pin with Less Core	CLS6
LFIC 6-pin with temporary disposable core	CT6D
LFIC 6-pin with temporary construction core	
Red	CT6R
Blue	CT6B
Green	CT6G
LFIC 7-pin	C7
LFIC 7-pin less core	CL7
SFIC 7-pin with Less Core	CLS7
LFIC 7-pin with temporary disposable core	CT7D
LFIC 7-pin with temporary construction core	
Red	CT7R
Blue	CT7B
Green	CT7G
Security	HS
Security LFIC	CHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security LFIC	PCHS
Pyramid Security Fixed Core	PS
Pyramid Security LFIC	PCS
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented LFIC	ACP
Access 3® Security LFIC	ACS
Access 3® High Security LFIC	ACHS
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction Master Keyed (not available for Pyramid & Security cylinders)	CMK
Visual key control (VKC)	
- Keys only	VKC1
- Cylinders and keys (not available with HS or CHS)	VKC2
- Cylinders only (not available with HS or CHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders and VKC keys	CKC2
- CKC cylinders only	CKC3
2 keys per lock	(standard)
More than 2 keys (e.g., KY6)	KY#

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Deadlocks DL2200/DL3200 Series

Quick Codes

Finish

Description		Specify
US3	Bright Brass	605
US4	Satin Brass	606
US10	Satin Bronze	612
US10B	Dark Oxidized Satin Bronze, oil rubbed	613
US10BE	Dark Oxidized Satin Bronze - equivalent	613E
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626
—	Black Suede Powder Coat	BSP
—	White Suede Powder Coat	WSP

Door Thickness

Description	Specify
1-3/8" (35mm)	D138
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

Strike

Lip to Center	ANSI Straight Lip Specify
7/8" (22mm)	SS078
1-1/8" (29mm)	SS118
1-1/4" (32mm)	SS114
1-3/8" (35mm)	SS138
1-1/2" (38mm)	SS112
1-3/4" (44mm)	SS134
2" (51mm)	SS200
2-1/4" (57mm)	SS214
2-1/2" (64mm)	SS212
2-3/4" (70mm)	SS234
3" (76mm)	SS300

Miscellaneous Options

Description	Specify
ANSI wrought strike box	M17
Plastic box for standard strike	(standard)

Bolt Assembly

Description	Part No.	Specify
2-3/8" (60mm) Backset	781F528	B238
2-3/4" (70mm) Backset	781F538	(standard)
Front Trim Plates		
1" (25mm) Wide	781F50M x Finish	M14
1-1/8" (29mm) Wide	781F51M x Finish	(standard)

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Corbin Russwin
ASSA ABLOY

Deadlocks DL3000 Series

Padlocks & Deadlocks

Features



Handing
Non-handed, except DL3017, which is handed and field reversible.

Door Thickness
Standard: 1-3/4" (44mm) - 2-1/4" (57mm). Optional door thicknesses available; see Quick Codes.

Backset
Standard: 2-3/4" (70mm)
Optional: 2-3/8" (60mm)

Front
Standard: wrought brass or bronze, 2-1/4" (57mm) x 1-1/8" (29mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Deadbolt
Zinc diecast hardened steel insert. 1" (25mm) throw, 5/8" (16mm) wide x 3/4" (19mm) high.

Strike
Standard; 2-3/4" (70mm) x 1-1/8" (29mm).
Optional strikes and wrought boxes available; see Strikes, this page.

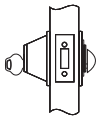
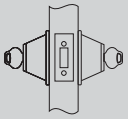
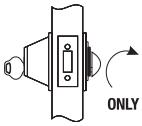
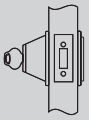
Cylinder
Brass, 6-pin, L4 keyway, 0-bitted. Security cylinders optional; see Quick Codes.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
7-pin (FC) conventional
Interchangeable core (IC)
Security
Security (IC)
Visual key control
Concealed key control
Pyramid (FC)
Pyramid (IC)

Warranty
One-year limited.

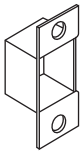
Functions

Outside Inside	Series/ Function	Type	ANSI No.	Function Description
	DL3013	Single Cylinder	E0150 Series	- By key outside and by thumbturn inside.
	DL3012	Double Cylinder	E0140 Series	- By key either side.
	DL3017	Classroom	E0170 Series	- By key outside and by thumbturn inside. - Thumbturn will retract but not project deadbolt.
	DL3011	Cylinder x Blank	E0160 Series	- By key one side only; opposite side blank.
	DL3060	Thumbturn x Blank	E0190 Series	- By thumbturn one side; opposite side blank.

Strikes



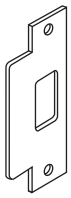
Standard Strike
2-3/4" (70mm) x 1-1/8" (29mm).
To order separately, specify 424F83 x Finish.



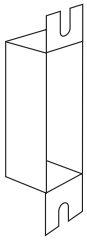
Wrought Strike Box
Standard with Standard Strike.
To order separately, specify 496F71-8.



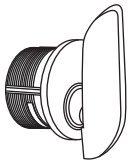
Optional Strike
3-1/2" (89mm) x 1-1/8" (29mm); see Quick Codes.
To order separately, specify 394F19 x Finish.



ANSI Strike
Optional; see Quick Codes.
To order separately, specify 423L71 x Finish.



ANSI Wrought Strike Box
Optional for use with ANSI Strike; see Quick Codes.
To order separately, specify 120F76-8.



Optional Thumbturn
Large profile and offset center thumbturn makes it easier to grasp and rotate. To order specify Quick Code M34. Available for DL3013, DL3017, DL3060.

Note: Interchangeable core not available with 1-3/8" door thickness (D138) option and 2-3/8" backset (B238) option.

ASSA ABLOY, the global leader in door opening solutions

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Ordering Examples

Stock Order

Quantity	Series/Function	Finish
24	DL3013	626

Contract/Detailed Order

Quantity	Keyset	Series/ Function	Finish	Optional Strike	Door Thickness	Misc. Options
24	AA1	DL3013	613	SS118	D214	C6-M17

Quick Codes

Finish

Description		Specify
US3	Bright Brass	605
US4	Satin Brass	606
US10	Satin Bronze	612
US10B	Dark Oxidized Satin Bronze, oil rubbed	613
US10BE	Dark Oxidized Satin Bronze - equivalent	613E
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626
—	Black Suede Powder Coat	BSP
—	White Suede Powder Coat	WSP

Strike

Lip to Center	ANSI Straight Lip Specify
7/8" (22mm)	SS078
1-1/8" (29mm)	SS118
1-1/4" (32mm)	SS114
1-3/8" (35mm)	SS138
1-1/2" (38mm)	SS112
1-3/4" (44mm)	SS134
2" (51mm)	SS200
2-1/4" (57mm)	SS214
2-1/2" (64mm)	SS212
2-3/4" (70mm)	SS234
3" (76mm)	SS300
Other Strikes (no lip)	**Specify**
2-3/4" (70mm) x 1-1/8" (29mm)	(standard)
3-1/2" (89mm) x 1-1/8" (29mm	SD001

Door Thickness

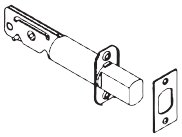
Description	Specify
1-3/4" (44mm) - 2" (51mm)	(standard)
2-1/4" (57mm)	D214
1-3/8" (35mm)	D138

Miscellaneous Options

Description	Specify
ANSI wrought strike box	M17
Ergonomic Thumbturn	M34
Wrought box for standard strike	(standard)

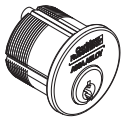
Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
Interchangeable core (IC) 6-pin	C6
IC 6-pin less core	CL6
SFIC 6-pin with Less Core	CLS6
IC 6-pin with temporary construction core	
Red	CT6R
Blue	CT6B
Green	CT6G
Conventional 7-pin	7P
IC 7-pin	C7
IC 7-pin with temporary construction core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin less core	CL7
SFIC 7-pin with Less Core	CLS7
Security	HS
Security IC	CHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid Security Fixed Core	PS
Pyramid Security IC	PCS
Pyramid Temp Core	CTP
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
- Keys only	VKC1
- Cylinders and keys (not available with HS or CHS)	VKC2
- Cylinders only (not available with HS or CHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders and VKC keys	CKC2
- CKC cylinders only	CKC3
UL IC 6-Pin Housing Less Core	CL6AH
UL IC 6-Pin Housing with Disposable Core	CTAHD
UL IC 6-Pin Housing with (Red/Blue/ Green) Temporary Construction Core	CT6AH(R/B/G)
2 keys per lock	(standard)
More than 2 keys (e.g., KY6)	KY#



Bolt and Front

Description	Part No.	Specify
2-3/4" (70mm) backset bolt (less front)	467F35-8	(standard)
2-3/8" (60mm) backset bolt (less front)	693F20-8	B238
1-1/8" (29mm) front	467F36	—



Cylinder Only

Specify Part No. x Keyway x Finish

Description	Number
Conventional 6-pin	1000-118-A03
Conventional 7-pin	1000-114-A03-7
IC 6-pin	1080-114-A03
IC 6-pin less core	1070-114-A03
IC 7-pin	1080-114-A03-7
IC 7-pin less core	1070-114-A03-7
Security	1010-118-A03
Security IC	1090-114-A03
Pyramid (FC) Conventional	1020-114-A03
Pyramid (IC)	1030-114-A03
Access 3 Patented Fixed Core	1500-114-A03
Access 3 Security Fixed Core	1600-114-A03
Access 3 High Security Fixed Core	1700-114-A03
Access 3 Patented Interchangeable Core	1580-114-A03
Access 3 Security Interchangeable Core	1680-114-A03
Access 3 High Security Interchangeable Core	1788-114-A03
Access 3 UL 6-Pin Housing	1078-114-A03

45012-3/19

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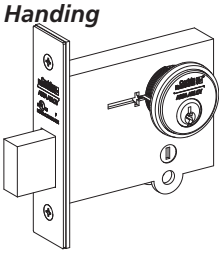
Corbin Russwin
ASSA ABLOY

Deadlocks DL4100 Series

Padlocks & Deadlocks

Features

Handing



Non-handed.

Door Thickness
Standard: 1-3/4" (44mm). Optional door thicknesses available; see Quick Codes.

Backset
2-3/4" (70mm).

Lockcase
Heavy wrought steel; zinc dichromate finish.

Front
Brass, bronze, stainless steel.
4-5/8"(117mm) x 1-1/8" (29mm).
Adjustable for flat or beveled doors (bevel adjustment 1/8"(3mm) in 2"(51mm).

Deadbolt
Steel with hardened pin; 1" (25mm) throw.

Strike
Standard: wrought brass or bronze, 3-1/2" (89mm) x 1-1/8" (29mm).
Optional strikes available; see Strikes, this page.

Cylinder
6-pin, L4 keyway, 0-bitted. Security cylinder optional; see Quick Codes.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
7-pin (FC) conventional
Interchangeable core (IC)
Security
Security (IC)
Visual key control
Concealed key control
Pyramid (FC)
Pyramid (IC)

Warranty
One-year limited.

Certification/Compliance

UL
Listed for use on fire doors.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Functions

Outside/Inside	Series/ Function	Type	ANSI No.	Function Description
	DL4113	Single Cylinder	E6070 Series	- By key outside and by thumbturn inside.
	DL4112	Double Cylinder	E6060 Series	- By key either side.
	DL4117	Classroom	E6090 Series	- By key outside and by thumbturn inside. - Thumbturn will retract but not project deadbolt.
	DL4111	Cylinder x Blank	E6080 Series	- By key one side only; opposite side blank.
	DL4122	Double Cylinder x Thumbturn	—	- By key either side and by thumbturn inside. - Thumbturn will retract but not project deadbolt.
	DL4160	Thumbturn x Blank	—	- By thumbturn inside only; opposite side blank.

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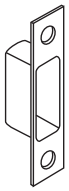
Deadlocks DL4100 Series

Padlocks & Deadlocks

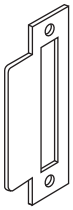
Strikes



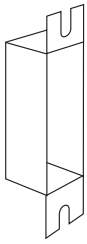
Standard Strike
3-1/2" (89mm) x 1-1/8" (29mm). To order separately, specify 796F34 x Finish.



Strike Box
Optional with Standard Strike; see Quick Codes. To order separately, specify 466F27-9.

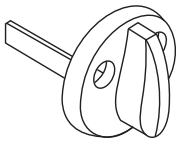


ANSI Strike
Optional; see Quick Codes. To order separately, specify 240L08 x Finish.

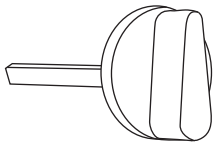


ANSI Wrought Strike Box
Optional for use with ANSI Strike; see Quick Codes. To order separately, specify 120F76-8.

Thumbturns



Standard Thumbturn
Cast brass or bronze. Standard on functions utilizing thumbturn. Surface screw mounted. To order separately, see table.



Optional Thumbturn
Large profile and offset center thumbturn makes it easier to grasp and rotate. To order with lock, specify Quick Code M34. To order separately, see table.

Door	Packet	
	Standard	Optional
1-3/4" (44mm)	796F30M x FIN	791F51M x FIN
2" (51mm)	857F45M x FIN	
2-1/4" (57mm)	857F46M x FIN	

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Deadlocks DL4100 Series

Padlocks & Deadlocks

Ordering Examples

Stock Order

Quantity	Series/Function	Finish
24	DL4113	626

Contract/Detailed Order

Quantity	Keyset	Series/ Function	Finish	Optional Strike	Door Thickness	Misc. Options
7	AA13	DL4112	626	SS118	D214	C6-VKC2

Quick Codes

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
Interchangeable core (IC) 6-pin	C6
IC 6-pin less core	CL6
IC 6-pin with temporary construction core	CT6
Red	CT6R
Blue	CT6B
Green	CT6G
SFIC 6-pin with temporary construction core	CTS6
Red	CTS6R
Blue	CTS6B
Green	CTS6G
SFIC 6-pin with disposable construction core	CTS6D
SFIC 6-pin less core	CLS6
Conventional 7-pin	7P
IC 7-pin	C7
IC 7-pin with temporary construction core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin less core	CL7
SFIC 7-pin temporary construction core	CTS7
Red	CTS7R
Blue	CTS7B
Green	CTS7G
SFIC 7-pin with disposable construction core	CTS7D
SFIC 7-pin less core	CLS7
Security	HS

Description	Specify
Security IC	CHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid Security Fixed Core	PS
Pyramid Security IC	PCS
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
- Keys only	VKC1
- Cylinders and keys (not available with HS or CHS)	VKC2
- Cylinders only (not available with HS or CHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders and VKC keys	CKC2
- CKC cylinders only	CKC3
UL IC 6-Pin Housing Less Core	CL6AH
UL IC 6-Pin Housing with Disposable Core	CTAHD
UL IC 6-Pin Housing with (Red/Blue/Green) Temporary Construction Core	CT6AH(R/B/G)
2 keys per lock	(standard)
More than 2 keys (e.g., KY6)	KY#

ASSA ABLOY, the global leader in door opening solutions

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Deadlocks DL4100 Series

Padlocks & Deadlocks

Finish

Description		Specify
BHMA 605 (US3)	Bright Brass	605
BHMA 606 (US4)	Satin Brass	606
BHMA 611 (US9)	Bright Bronze	611
BHMA 612 (US10)	Satin Bronze	612
BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed	613
BHMA 613E (US10BE)	Dark Oxidized Satin Bronze - equivalent	613E
613L	Dark Oxidized Satin Bronze, Clear Coated	613L
BHMA 618 (US14)	Bright Nickel	618
BHMA 619 (US15)	Satin Nickel	619
BHMA 625 (US26)	Bright Chromium Plated	625
BHMA 626 (US26D)	Satin Chromium Plated	626
—	Black Suede Powder Coat	BSP
—	White Suede Powder Coat	WSP

Strike

Lip to Center	ANSI Straight Lip Specify
7/8" (22mm)	SS078
1-1/8" (29mm)	SS118
1-1/4" (32mm)	SS114
1-3/8" (35mm)	SS138
1-1/2" (38mm)	SS112
1-3/4" (44mm)	SS134
2" (51mm)	SS200
2-1/4" (57mm)	SS214
2-1/2" (64mm)	SS212
2-3/4" (70mm)	SS234
3" (76mm)	SS300

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws	M04
ANSI wrought strike box	M17
Lead wrapped case	M29
Ergonomic thumbturn	M34
Box for standard strike	M40

Door Thickness

Description	Specify
1-3/4" (44mm) - 2" (51mm)	(standard)
2-1/4" (57mm)	D214

Cylinder Only

Specify Part No. x Keyway x Finish

Description	Number
Conventional 6-pin	1000-118-A07
Conventional 7-pin	1000-114-A07-7
IC 6-pin	1080-114-A07
IC 6-pin less core	1070-114-A07
IC 7-pin	1080-112-A07-7
IC 7-pin less core	1070-112-A07-7
Security	1010-118-A07
Security IC	1090-114-A07
Pyramid (FC) Conventional	1020-114-A07
Pyramid (IC)	1030-114-A07
Access 3® Patented Fixed Core	1500-114-A07
Access 3® Security Fixed Core	1600-114-A07
Access 3® High Security Fixed Core	1700-114-A07
Access 3® Patented Interchangeable Core	1580-114-A07
Access 3® Security Interchangeable Core	1680-114-A07
Access 3® High Security Interchangeable Core	1788-114-A07

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

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45012-3/19

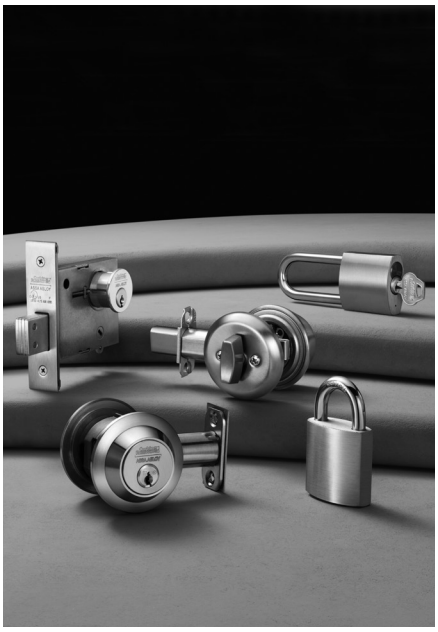
Corbin Russwin

ASSA ABLOY

Padlocks & Deadlocks

PL5000, DL2200/DL3200, DL3000 & DL4100 Series





Corbin Russwin
ASSA ABLOY

Introduction

Padlocks & Deadlocks

Applications

Corbin Russwin Auxiliary Locks provide security for a wide range of applications. Our auxiliary and special purpose locks including padlocks and deadlocks allow end users to meet specific security needs.

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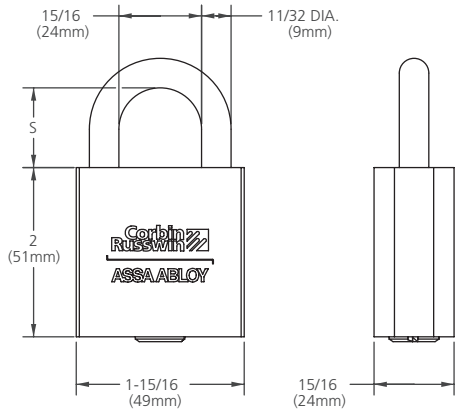
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Padlocks PL5000 Series

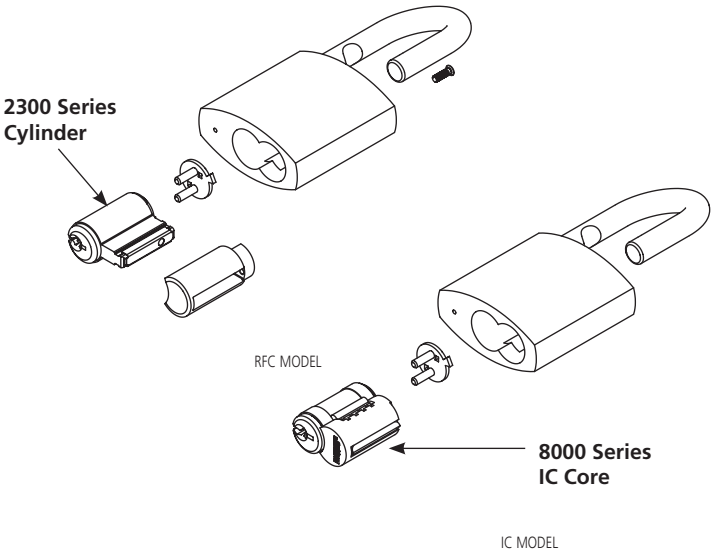
Padlocks & Deadlocks

Rekeyable Fixed Core (RFC) and Interchangeable Core (IC) Models





Model	Series	Shackle Clearance S
RFC	PL5000R PL5100R PL5200R	Std: 7/8" (22mm) 258: 2-5/8" (67mm)
IC	PL5070 PL5170 PL5270	



Padlock Parts	
756F963	Throw member for IC & RFC padlocks (A)
793F592 (606 finish)	Cylinder sleeve for RFC padlocks (B)
438F41-8	Mounting screw for RFC padlocks (C)

Features

Case
Extruded brass.

Shackle
11/32" (9mm) diameter hardened steel (PL5000 Series), brass (PL5100 Series) or stainless steel (PL5200 Series).

Locking
Ball-bearing locking heel and toe.

Cylinder
RFC model: 6-pin Fixed Core (2300)
IC model: 6-Pin, Security, Pyramid & Access 3 (8000 Series)
L4 keyway standard

Keying Features Available
Master keying
Construction master keying
Interchangeable core (IC) 6-pin
IC security
Concealed key control
Visual key control (not for HS)
Pyramid (IC only)
Access 3® (IC only)

Keys
Two nickel silver standard.

Warranty
One-year limited.

Finish
BHMA 606 Satin Brass (US4) only.

45012-3/19

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ASSA ABLOY

Padlocks PL5000 Series

Padlocks & Deadlocks

Ordering Examples

Stock Order

Quantity	Series/Function
10	PL5000R

Contract / Detailed Order

Quantity	Keyset	Series/Function	Shackle Length	Misc. Options
4	AJ3	PL5080	258	M45 x S19866

Quick Codes

Series / Function

Description	Series/Function		
	Hardened Steel Shackle	Brass Shackle	Stainless Steel Shackle
Rekeyable Fixed Core (RFC)	PL5000R	PL5100R	PL5200R
Interchangeable core (IC) less core	PL5070	PL5170	PL5270
IC 6-pin	PL5080	PL5180	PL5280
IC security	PL5090	PL5190	PL5290
Pyramid High Security (IC)	PL5030	PL5130	PL5230
Pyramid Security (IC)	PL5037	PL5137	PL5237

Miscellaneous Options

Description	Specify
Chain and clevis attached	M44
Custom die stamped case (specify existing die number, or provide lettering specifications or artwork)	M45 x #

Cylinder Only

Description	Specify
Removable Core	
Standard 6-pin	2300
Interchangeable Core	
Standard 6-pin	8000
Security	8010
Pyramid High Security	8020
Pyramid Security	8027
Access 3® - Patented	8500
Access 3® - Security	8600
Access 3® - High Security	8700

Cylinder and Keying

Description	Specify
Keyed random (standard for Pyramid & IC security padlocks)	KR
0-bitted (not available for Pyramid & IC security padlocks)	(standard)
Construction Master Keyed (RFC & IC 6-pin padlocks only)	CMK
Temporary construction core (Red) (IC 6-pin padlocks only)	CT6R
Temporary Construction Core (Blue) (IC 6-pin padlocks only)	CT6B
Temporary Construction Core (Green) (IC 6-pin padlocks only)	CT6G
Visual key control (VKC)	
- Keys only	VKC1
- Locks and keys (RFC & IC 6-pin padlocks only)	VKC2
- Locks only (RFC & IC 6-pin padlocks only)	VKC3
Concealed key control (CKC) (IC 6-pin & IC security padlocks only)	
- CKC cores and VKC keys	CKC2
- CKC cores only	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)
Rekeyable FC (RFC) Less Cylinder	LC
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS

Shackle Clearance

Description	Specify
7/8" (22mm)	(standard)
2-5/8" (67mm)	258

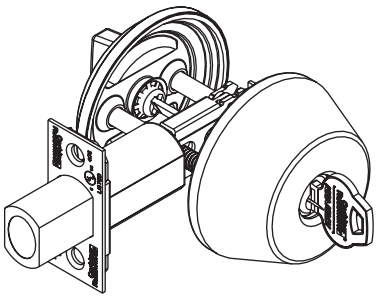
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45012-3/19

Deadlocks DL2200/DL3200 Series

Padlocks & Deadlocks

Features



Handing Non-handed.

Door Thickness Standard: 1-3/4" (44mm). Optional door thicknesses available; see Quick Codes.

Backset Standard: 2-3/4" (70mm) Optional: 2-3/8" (60mm)

Front Standard: brass or stainless steel, 2-1/4" (57mm) x 1-1/8" (29mm). Optional: 1" width; see Quick Codes.

Deadbolt 1" throw, solid steel deadbolt with hardened, free spinning, steel pin insert.

Strike Standard; 2-3/4" (70mm) x 1-1/8" (29mm). Optional strikes and wrought boxes available; see Strikes, this page.

Cylinder Standard: brass, 6-pin, L4 keyway, 0-bitted. Security cylinder optional; see Quick Codes.

Keys Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
Security
Visual key control
Concealed key control

Warranty One-year limited.

Certification/Compliance

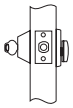
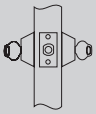
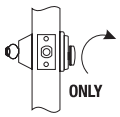
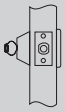
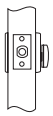
UL

UL10B/UL10C Fire Rated Auxiliary Lock for A label and lesser class doors when used with a correspondingly rated primary latching device.

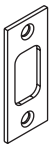
ANSI
DL2200 - 156.5 Grade 2
DL3200 - 156.5 Grade 1

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

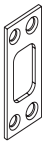
Functions

Outside Inside	Series/ Function	Type	ANSI No.	Function Description
	DL2213 DL3213	Single Cylinder	E0150 Series	- By key outside and by thumbturn inside.
	DL2212 DL3212	Double Cylinder	E0140 Series	- By key either side.
	DL2217 DL3217	Classroom	E0170 Series	- By key outside and by thumbturn inside. - Thumbturn will retract but not project deadbolt.
	DL2211 DL3211	Cylinder x Blank	E0160 Series	- By key one side only; opposite side blank.
	DL2260 DL3260	Thumbturn x Blank	E0190 Series	- By thumbturn one side only; opposite side blank.

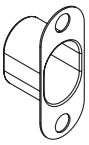
Strikes



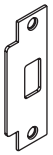
Metal Frame Strike
Standard
2-3/4" (70mm) x 1-1/8" (29mm).
To order separately, specify 781F568 x Finish



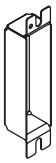
Wood Frame Strike
Standard
2-3/4" (70mm) x 1-1/8" (29mm).
To order separately, specify 781F558 x Finish.



Strike Box
Standard with standard strikes.
To order separately, specify 781F599.



ANSI Strike
Optional; see Quick Codes.
To order separately, specify 423L71 x Finish.



ANSI Wrought Strike Box
Optional for use with ANSI strike; see Quick Codes. To order separately, specify 120F768.

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Corbin Russwin
ASSA ABLOY

Deadlocks DL2200/DL3200 Series

Padlocks & Deadlocks

Ordering Examples

Stock Order

Quantity	Series/Function	Finish
24	DL2213	626

Contract/Detailed Order

Quantity	Keyset	Series/Function	Finish	Strike	Options
24	AA1	DL2213	626	SS078	HS-CKC2

Cylinders

Cylinder Only (less housing)

Function	Part Number	Cylinder Type	Door Thickness
11,13,17	4400-134-A51	6-Pin Conventional	1-3/8" (35mm) 1-3/4" (44mm) 2" (51mm) 2-1/4" (57mm)
	4400-134-A51-7	7-Pin Conventional	
	4410-134-A51	Security	
	4420-134-A51	Pyramid High Security	
	4427-134-A51	Pyramid Security	
	4500-134-A51	Access 3® Patented	
	4600-134-A51	Access 3® Security	
	4700-134-A51	Access 3® High Security	
12	4400-134-A52	6-Pin Conventional	1-3/8" (35mm) 1-3/4" (44mm)
	4400-134-A52-7	7-Pin Conventional	
	4410-134-A52	Security	
	4420-134-A52	Pyramid High Security	
	4427-134-A52	Pyramid Security	
	4500-134-A52	Access 3® Patented (AP)	
	4600-134-A52	Access 3® Security (AS)	
	4700-134-A52	Access 3® High Security (AHS)	
	4400-214-A52	6-Pin Conventional	2" (51mm) 2-1/4" (57mm)
	4400-214-A52-7	7-Pin Conventional	
	4410-214-A52	Security	
	4420-214-A52	Pyramid High Security	
	4427-214-A52	Pyramid Security	
	4500-214-A52	Access 3® Patented (AP)	
	4600-214-A52	Access 3® Security (AS)	
	4700-214-A52	Access 3 High Security (AHS)	
11,12,13,17	8000	6-Pin IC	See the Housing Assembly for Interchangeable Core Cylinder chart below.
	8000-7	7-Pin IC	
	8010	Security IC	
	8020	Pyramid High Security IC	
	8027	Pyramid Security IC	
	8500	Access 3® Patented IC	
	8600	Access 3® Security IC	
	8500	Access 3® High Security IC	

Housing Assembly - Interchangeable Core Cylinder

Function	Part Number	Accepts Core	Door Thickness
11,13,17	4440-134-A51	6 & 7 Pin SFIC	1-3/8" (35mm) 1-3/4" (44mm) 2" (51mm) 2-1/4" (57mm)
	4470-134-A51	6-Pin LFIC	
	4470-134-A51-7	7-Pin LFIC	
12	4440-138-A52-XX (*)	6 & 7 Pin SFIC	1-3/8" (35mm)
	4470-138-A52-XX	6-Pin LFIC	
	4470-138-A52-7-XX	7-Pin LFIC	
	4440-134-A52-XX	6 & 7 Pin SFIC	1-3/4" (44mm)
	4470-134-A52-XX	6-Pin LFIC	
	4470-134-A52-7-XX	7-Pin LFIC	
	4440-200-A52-XX	6 & 7 Pin SFIC	2" (51mm)
	4470-200-A52-XX	6-Pin LFIC	
	4470-200-A52-7-XX	7-Pin LFIC	
	4440-214-A52-XX	6 & 7 Pin SFIC	2-1/4" (57mm)
	4470-214-A52-XX	6-Pin LFIC	
	4470-214-A52-7-XX	7-Pin LFIC	

(*) Specify "OS" for outside of door or "IS" for inside of door.

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
Conventional 7-pin	7P
Interchangeable core (IC) 6-pin	C6
LFIC 6-pin less core	CL6
SFIC 6-pin with Less Core	CLS6
LFIC 6-pin with temporary disposable core	CT6D
LFIC 6-pin with temporary construction core	
Red	CT6R
Blue	CT6B
Green	CT6G
LFIC 7-pin	C7
LFIC 7-pin less core	CL7
SFIC 7-pin with Less Core	CLS7
LFIC 7-pin with temporary disposable core	CT7D
LFIC 7-pin with temporary construction core	
Red	CT7R
Blue	CT7B
Green	CT7G
Security	HS
Security LFIC	CHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security LFIC	PCHS
Pyramid Security Fixed Core	PS
Pyramid Security LFIC	PCS
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented LFIC	ACP
Access 3® Security LFIC	ACS
Access 3® High Security LFIC	ACHS
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction Master Keyed (not available for Pyramid & Security cylinders)	CMK
Visual key control (VKC)	
- Keys only	VKC1
- Cylinders and keys (not available with HS or CHS)	VKC2
- Cylinders only (not available with HS or CHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders and VKC keys	CKC2
- CKC cylinders only	CKC3
2 keys per lock	(standard)
More than 2 keys (e.g., KY6)	KY#

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Deadlocks DL2200/DL3200 Series

Quick Codes

Finish

Description		Specify
US3	Bright Brass	605
US4	Satin Brass	606
US10	Satin Bronze	612
US10B	Dark Oxidized Satin Bronze, oil rubbed	613
US10BE	Dark Oxidized Satin Bronze - equivalent	613E
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626
—	Black Suede Powder Coat	BSP
—	White Suede Powder Coat	WSP

Door Thickness

Description	Specify
1-3/8" (35mm)	D138
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

Strike

Lip to Center	ANSI Straight Lip Specify
7/8" (22mm)	SS078
1-1/8" (29mm)	SS118
1-1/4" (32mm)	SS114
1-3/8" (35mm)	SS138
1-1/2" (38mm)	SS112
1-3/4" (44mm)	SS134
2" (51mm)	SS200
2-1/4" (57mm)	SS214
2-1/2" (64mm)	SS212
2-3/4" (70mm)	SS234
3" (76mm)	SS300

Miscellaneous Options

Description	Specify
ANSI wrought strike box	M17
Plastic box for standard strike	(standard)

Bolt Assembly

Description	Part No.	Specify
2-3/8" (60mm) Backset	781F528	B238
2-3/4" (70mm) Backset	781F538	(standard)
Front Trim Plates		
1" (25mm) Wide	781F50M x Finish	M14
1-1/8" (29mm) Wide	781F51M x Finish	(standard)

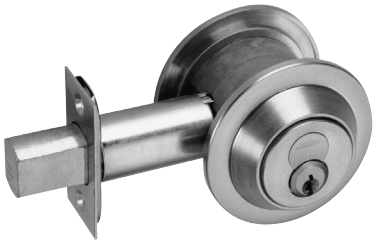
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Corbin Russwin
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Deadlocks DL3000 Series

Padlocks & Deadlocks

Features



Handing
Non-handed, except DL3017, which is handed and field reversible.

Door Thickness
Standard: 1-3/4" (44mm) - 2-1/4" (57mm).
Optional door thicknesses available; see Quick Codes.

Backset
Standard: 2-3/4" (70mm)
Optional: 2-3/8" (60mm)

Front
Standard: wrought brass or bronze, 2-1/4" (57mm) x 1-1/8" (29mm).
Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Deadbolt
Zinc diecast hardened steel insert. 1" (25mm) throw, 5/8" (16mm) wide x 3/4" (19mm) high.

Strike
Standard; 2-3/4" (70mm) x 1-1/8" (29mm).
Optional strikes and wrought boxes available; see Strikes, this page.

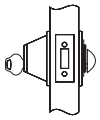
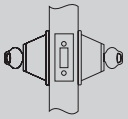
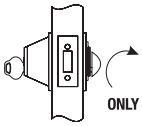
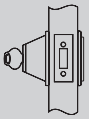
Cylinder
Brass, 6-pin, L4 keyway, 0-bitted. Security cylinders optional; see Quick Codes.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
7-pin (FC) conventional
Interchangeable core (IC)
Security
Security (IC)
Visual key control
Concealed key control
Pyramid (FC)
Pyramid (IC)

Warranty
One-year limited.

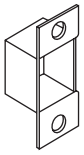
Functions

Outside Inside	Series/ Function	Type	ANSI No.	Function Description
	DL3013	Single Cylinder	E0150 Series	- By key outside and by thumbturn inside.
	DL3012	Double Cylinder	E0140 Series	- By key either side.
	DL3017	Classroom	E0170 Series	- By key outside and by thumbturn inside. - Thumbturn will retract but not project deadbolt.
	DL3011	Cylinder x Blank	E0160 Series	- By key one side only; opposite side blank.
	DL3060	Thumbturn x Blank	E0190 Series	- By thumbturn one side; opposite side blank.

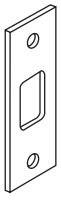
Strikes



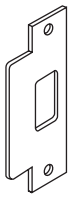
Standard Strike
2-3/4" (70mm) x 1-1/8" (29mm).
To order separately, specify 424F83 x Finish.



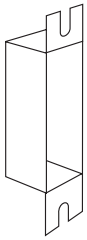
Wrought Strike Box
Standard with Standard Strike.
To order separately, specify 496F71-8.



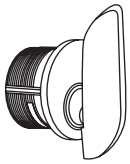
Optional Strike
3-1/2" (89mm) x 1-1/8" (29mm); see Quick Codes.
To order separately, specify 394F19 x Finish.



ANSI Strike
Optional; see Quick Codes.
To order separately, specify 423L71 x Finish.



ANSI Wrought Strike Box
Optional for use with ANSI Strike; see Quick Codes.
To order separately, specify 120F76-8.



Optional Thumbturn
Large profile and offset center thumbturn makes it easier to grasp and rotate. To order specify Quick Code M34. Available for DL3013, DL3017, DL3060.

Note: Interchangeable core not available with 1-3/8" door thickness (D138) option and 2-3/8" backset (B238) option.

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Deadlocks DL3000 Series

Padlocks & Deadlocks

Ordering Examples

Stock Order

Quantity	Series/Function	Finish
24	DL3013	626

Contract/Detailed Order

Quantity	Keyset	Series/ Function	Finish	Optional Strike	Door Thickness	Misc. Options
24	AA1	DL3013	613	SS118	D214	C6-M17

Quick Codes

Finish

Description		Specify
US3	Bright Brass	605
US4	Satin Brass	606
US10	Satin Bronze	612
US10B	Dark Oxidized Satin Bronze, oil rubbed	613
US10BE	Dark Oxidized Satin Bronze - equivalent	613E
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626
—	Black Suede Powder Coat	BSP
—	White Suede Powder Coat	WSP

Strike

Lip to Center	ANSI Straight Lip Specify
7/8" (22mm)	SS078
1-1/8" (29mm)	SS118
1-1/4" (32mm)	SS114
1-3/8" (35mm)	SS138
1-1/2" (38mm)	SS112
1-3/4" (44mm)	SS134
2" (51mm)	SS200
2-1/4" (57mm)	SS214
2-1/2" (64mm)	SS212
2-3/4" (70mm)	SS234
3" (76mm)	SS300
Other Strikes (no lip)	**Specify**
2-3/4" (70mm) x 1-1/8" (29mm)	(standard)
3-1/2" (89mm) x 1-1/8" (29mm	SD001

Door Thickness

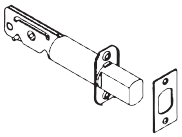
Description	Specify
1-3/4" (44mm) - 2" (51mm)	(standard)
2-1/4" (57mm)	D214
1-3/8" (35mm)	D138

Miscellaneous Options

Description	Specify
ANSI wrought strike box	M17
Ergonomic Thumbturn	M34
Wrought box for standard strike	(standard)

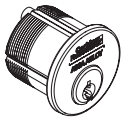
Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
Interchangeable core (IC) 6-pin	C6
IC 6-pin less core	CL6
SFIC 6-pin with Less Core	CLS6
IC 6-pin with temporary construction core	
Red	CT6R
Blue	CT6B
Green	CT6G
Conventional 7-pin	7P
IC 7-pin	C7
IC 7-pin with temporary construction core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin less core	CL7
SFIC 7-pin with Less Core	CLS7
Security	HS
Security IC	CHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid Security Fixed Core	PS
Pyramid Security IC	PCS
Pyramid Temp Core	CTP
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
- Keys only	VKC1
- Cylinders and keys (not available with HS or CHS)	VKC2
- Cylinders only (not available with HS or CHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders and VKC keys	CKC2
- CKC cylinders only	CKC3
UL IC 6-Pin Housing Less Core	CL6AH
UL IC 6-Pin Housing with Disposable Core	CTAHD
UL IC 6-Pin Housing with (Red/Blue/ Green) Temporary Construction Core	CT6AH(R/B/G)
2 keys per lock	(standard)
More than 2 keys (e.g., KY6)	KY#



Bolt and Front

Description	Part No.	Specify
2-3/4" (70mm) backset bolt (less front)	467F35-8	(standard)
2-3/8" (60mm) backset bolt (less front)	693F20-8	B238
1-1/8" (29mm) front	467F36	—



Cylinder Only

Specify Part No. x Keyway x Finish

Description	Number
Conventional 6-pin	1000-118-A03
Conventional 7-pin	1000-114-A03-7
IC 6-pin	1080-114-A03
IC 6-pin less core	1070-114-A03
IC 7-pin	1080-114-A03-7
IC 7-pin less core	1070-114-A03-7
Security	1010-118-A03
Security IC	1090-114-A03
Pyramid (FC) Conventional	1020-114-A03
Pyramid (IC)	1030-114-A03
Access 3 Patented Fixed Core	1500-114-A03
Access 3 Security Fixed Core	1600-114-A03
Access 3 High Security Fixed Core	1700-114-A03
Access 3 Patented Interchangeable Core	1580-114-A03
Access 3 Security Interchangeable Core	1680-114-A03
Access 3 High Security Interchangeable Core	1788-114-A03
Access 3 UL 6-Pin Housing	1078-114-A03

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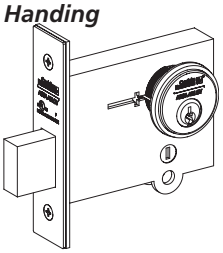
Corbin Russwin
ASSA ABLOY

Deadlocks DL4100 Series

Padlocks & Deadlocks

Features

Handing



Non-handed.

Door Thickness
Standard: 1-3/4" (44mm). Optional door thicknesses available; see Quick Codes.

Backset
2-3/4" (70mm).

Lockcase
Heavy wrought steel; zinc dichromate finish.

Front
Brass, bronze, stainless steel.
4-5/8"(117mm) x 1-1/8" (29mm).
Adjustable for flat or beveled doors (bevel adjustment 1/8"(3mm) in 2"(51mm).

Deadbolt
Steel with hardened pin; 1" (25mm) throw.

Strike
Standard: wrought brass or bronze, 3-1/2" (89mm) x 1-1/8" (29mm).
Optional strikes available; see Strikes, this page.

Cylinder
6-pin, L4 keyway, 0-bitted. Security cylinder optional; see Quick Codes.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
7-pin (FC) conventional
Interchangeable core (IC)
Security
Security (IC)
Visual key control
Concealed key control
Pyramid (FC)
Pyramid (IC)

Warranty
One-year limited.

Certification/Compliance

UL
Listed for use on fire doors.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Functions

Outside/Inside	Series/ Function	Type	ANSI No.	Function Description
	DL4113	Single Cylinder	E6070 Series	- By key outside and by thumbturn inside.
	DL4112	Double Cylinder	E6060 Series	- By key either side.
	DL4117	Classroom	E6090 Series	- By key outside and by thumbturn inside. - Thumbturn will retract but not project deadbolt.
	DL4111	Cylinder x Blank	E6080 Series	- By key one side only; opposite side blank.
	DL4122	Double Cylinder x Thumbturn	—	- By key either side and by thumbturn inside. - Thumbturn will retract but not project deadbolt.
	DL4160	Thumbturn x Blank	—	- By thumbturn inside only; opposite side blank.

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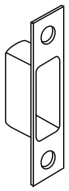
Deadlocks DL4100 Series

Padlocks & Deadlocks

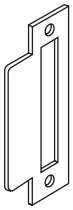
Strikes



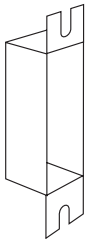
Standard Strike
3-1/2" (89mm) x 1-1/8" (29mm). To order separately, specify 796F34 x Finish.



Strike Box
Optional with Standard Strike; see Quick Codes. To order separately, specify 466F27-9.

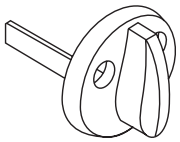


ANSI Strike
Optional; see Quick Codes. To order separately, specify 240L08 x Finish.

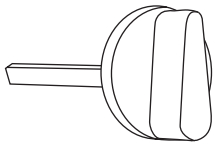


ANSI Wrought Strike Box
Optional for use with ANSI Strike; see Quick Codes. To order separately, specify 120F76-8.

Thumbturns



Standard Thumbturn
Cast brass or bronze. Standard on functions utilizing thumbturn. Surface screw mounted. To order separately, see table.



Optional Thumbturn
Large profile and offset center thumbturn makes it easier to grasp and rotate. To order with lock, specify Quick Code M34. To order separately, see table.

Door	Packet	
	Standard	Optional
1-3/4" (44mm)	796F30M x FIN	791F51M x FIN
2" (51mm)	857F45M x FIN	
2-1/4" (57mm)	857F46M x FIN	

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Deadlocks DL4100 Series

Padlocks & Deadlocks

Ordering Examples

Stock Order

Quantity	Series/Function	Finish
24	DL4113	626

Contract/Detailed Order

Quantity	Keyset	Series/ Function	Finish	Optional Strike	Door Thickness	Misc. Options
7	AA13	DL4112	626	SS118	D214	C6-VKC2

Quick Codes

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
Interchangeable core (IC) 6-pin	C6
IC 6-pin less core	CL6
IC 6-pin with temporary construction core	CT6
Red	CT6R
Blue	CT6B
Green	CT6G
SFIC 6-pin with temporary construction core	CTS6
Red	CTS6R
Blue	CTS6B
Green	CTS6G
SFIC 6-pin with disposable construction core	CTS6D
SFIC 6-pin less core	CLS6
Conventional 7-pin	7P
IC 7-pin	C7
IC 7-pin with temporary construction core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin less core	CL7
SFIC 7-pin temporary construction core	CTS7
Red	CTS7R
Blue	CTS7B
Green	CTS7G
SFIC 7-pin with disposable construction core	CTS7D
SFIC 7-pin less core	CLS7
Security	HS

Description	Specify
Security IC	CHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid Security Fixed Core	PS
Pyramid Security IC	PCS
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
- Keys only	VKC1
- Cylinders and keys (not available with HS or CHS)	VKC2
- Cylinders only (not available with HS or CHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders and VKC keys	CKC2
- CKC cylinders only	CKC3
UL IC 6-Pin Housing Less Core	CL6AH
UL IC 6-Pin Housing with Disposable Core	CTAHD
UL IC 6-Pin Housing with (Red/Blue/Green) Temporary Construction Core	CT6AH(R/B/G)
2 keys per lock	(standard)
More than 2 keys (e.g., KY6)	KY#

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Deadlocks DL4100 Series

Padlocks & Deadlocks

Finish

Description		Specify
BHMA 605 (US3)	Bright Brass	605
BHMA 606 (US4)	Satin Brass	606
BHMA 611 (US9)	Bright Bronze	611
BHMA 612 (US10)	Satin Bronze	612
BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed	613
BHMA 613E (US10BE)	Dark Oxidized Satin Bronze - equivalent	613E
613L	Dark Oxidized Satin Bronze, Clear Coated	613L
BHMA 618 (US14)	Bright Nickel	618
BHMA 619 (US15)	Satin Nickel	619
BHMA 625 (US26)	Bright Chromium Plated	625
BHMA 626 (US26D)	Satin Chromium Plated	626
—	Black Suede Powder Coat	BSP
—	White Suede Powder Coat	WSP

Strike

Lip to Center	ANSI Straight Lip Specify
7/8" (22mm)	SS078
1-1/8" (29mm)	SS118
1-1/4" (32mm)	SS114
1-3/8" (35mm)	SS138
1-1/2" (38mm)	SS112
1-3/4" (44mm)	SS134
2" (51mm)	SS200
2-1/4" (57mm)	SS214
2-1/2" (64mm)	SS212
2-3/4" (70mm)	SS234
3" (76mm)	SS300

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws	M04
ANSI wrought strike box	M17
Lead wrapped case	M29
Ergonomic thumbturn	M34
Box for standard strike	M40

Door Thickness

Description	Specify
1-3/4" (44mm) - 2" (51mm)	(standard)
2-1/4" (57mm)	D214

Cylinder Only

Specify Part No. x Keyway x Finish

Description	Number
Conventional 6-pin	1000-118-A07
Conventional 7-pin	1000-114-A07-7
IC 6-pin	1080-114-A07
IC 6-pin less core	1070-114-A07
IC 7-pin	1080-112-A07-7
IC 7-pin less core	1070-112-A07-7
Security	1010-118-A07
Security IC	1090-114-A07
Pyramid (FC) Conventional	1020-114-A07
Pyramid (IC)	1030-114-A07
Access 3® Patented Fixed Core	1500-114-A07
Access 3® Security Fixed Core	1600-114-A07
Access 3® High Security Fixed Core	1700-114-A07
Access 3® Patented Interchangeable Core	1580-114-A07
Access 3® Security Interchangeable Core	1680-114-A07
Access 3® High Security Interchangeable Core	1788-114-A07

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Corbin Russwin

ASSA ABLOY

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For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

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Corbin Russwin

ASSA ABLOY

CL3100 Series

Vandal Resistant Lever Locksets



ASSA ABLOY, the global leader
in door opening solutions



Corbin Russwin
ASSA ABLOY

Overview

CL3100 Series

Quality
The CL3100 series is a Grade 1 lever lockset manufactured with the highest quality materials to ensure strength, durability and quiet operation. Available in all standard architectural finishes, the CL3100 series subtly complements any high-use commercial, industrial and institutional application.

T-Zone Construction
Direct linkage with fixed alignment between the hub and the latchbolt is the best construction for quietly and effectively operating the latchbolt. For this reason, Corbin Russwin interlocks the aligning and latch tubes, which form a rugged torque resistant "T" in the critical twist area. This "T-Zone" construction, combined with long lasting components, makes T-Zone Lever locks outstanding!

Vandal Resistance
The Corbin Russwin CL3100 Series* follows a higher standard for Grade 1 bored locks. The unique T-Zone construction provides strength and durability by true interlocking between the lockbody and the latch far exceeding the ANSI/BHMA A156.2 Series 4000 Grade 1 standards.

Applications
- High traffic areas
- Offices
- Public buildings
- Hospitals
- Institutions
- Educational facilities – K-12 and Universities
- Retail

Key Advantages
- Several security key systems available (Access 3®, Pyramid, etc.)
- Fits most standard door preps
- Only 45 degrees of lever rotation required to retract latchbolt
- 18 functions. Many of which are easily field changeable
- 3 levers and 4 roses available to cover a wide variety of door preps and design requirements
- Simple cylinder removal. Easy change outs.
- T-Zone construction tested to over 15 million cycles, exceeding ANSI/BHMA Grade 1 standards by 15 times.

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How to Order 11
Quick Codes 12
How to Specify 14

www.corbinrusswin.com

*Patented design and construction

MicroShield™

MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silverbased antimicrobial coating designed to inhibit the growth of bacteria.

MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

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Features

CL3100 Series

Features

Handing
Non-handed

Door Thickness
1-3/4" (44mm) - 2" (51mm) standard.
Optional: Over 2" (51mm) - 2-1/4" (57mm); see Quick Codes, page 13.

Door Prep
ANSI/BHMA A156.115 (161)

Lock Chassis
Steel, zinc dichromated for corrosion resistance.

Backset
2-3/4" (70mm) standard.
Optional: 3-3/4" (95mm) and 5" (127mm); see Quick Codes, page 13.

Bearing Assembly
Cast and machined stainless steel

Latchbolt
Stainless steel bolt 7/8" (22mm) diameter x 1/2" (13mm) throw.
Optional: 3/4" (19mm) throw fire latch.

Front
Wrought brass or stainless steel, 2-1/4" (57mm) x 1-1/8" (29mm). Accommodates flat front doors and doors beveled 1/8" (3mm) in 2" (51mm).

Strike
Wrought brass or stainless steel ANSI curved lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.
Optional: strikes, lip lengths and ANSI wrought strike box available.
See Quick Codes, page 12.

Levers
Secured with 6 lobe security set screw standard

Roses
Brass

Cylinder
Brass, 6-pin L4 keyway, 0-bitted standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
Interchangeable core (IC)
Security
Security IC (not available with CL3129)
Access 3® IC (not available with CL3129)
Pyramid (not available with CL3129)
Pyramid IC (not available with CL3129)

Keys
Two nickel silver standard.

Warranty
Ten-year limited.

Classroom Security



The CL3152 Classroom Intruder function is the solution to classroom security: a double cylinder lockset that allows locking of the outside lever from either side. Egress is always possible with the standard anti-panic feature, whether the door is locked or not. And because a key is needed to secure the door from either side, students cannot lock a teacher out of the classroom.

Sound Transmission Class Rated Product (M112)
Corbin Russwin CL3100 Series Lever Locks are part of the STC Acoustical Door Systems from ASSA ABLOY Group brand Security Metal Products (SMP). The STC Acoustical Door Systems are the perfect choice for any room where sound transmission needs to be kept to a minimum. This solution encompasses door, frame, sounds seals and threshold, and lock. All door systems use standard locks. The STC55 requires a special version of the CL3100 Lever Lock. To order the CL3100 Series Lever Lock for use with STC55 door system, include the M112 quick code in the order string and specify the C or K rose only. With this prefix, it will be configured for use with the Acoustical Door System. Functions are limited to the following: CL3110, CL3151, CL3155, CL3157, CL3172 and CL3180.

To learn more about SMP and the STC 55 Acoustical Door System, please visit www.secmet.com

Certification/Compliance

ANSI/BHMA
Exceeds A156.2 Series 4000, Grade 1.
Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard)
All levers with returns comply; levers return to within 1/2" (13mm) of door face.

UL-cUL
UL and cUL listed to Canadian Safety Standards
Listed for 3 Hour Doors

All locks with 1/2" (13mm) throw latchbolt listed for A label and lesser class 4' x 10' single doors. All locks with 3/4" (19mm) throw latchbolt listed for A label and lesser class 8' x 10' pairs of doors. Letter F and UL symbol on latch front indicate listing.

Any retrofit or other field modification to a fire-rated opening can potentially impact the fire-rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

A.D.A.
All levers conform to ADA requirements for barrier-free accessibility.

Windstorm
UL Listed: ANSI/SDI-BHMA A250.13;ANSI/ASTM E330-2002
ANSI/ASTM 31886-2005 & ASTM 31996-1009
UL Certification Directory ZHEM.R21744 Latching Hardware
Listed on Florida Building Code Website: FL4351-R1

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Features

CL3100 Series

Finishes

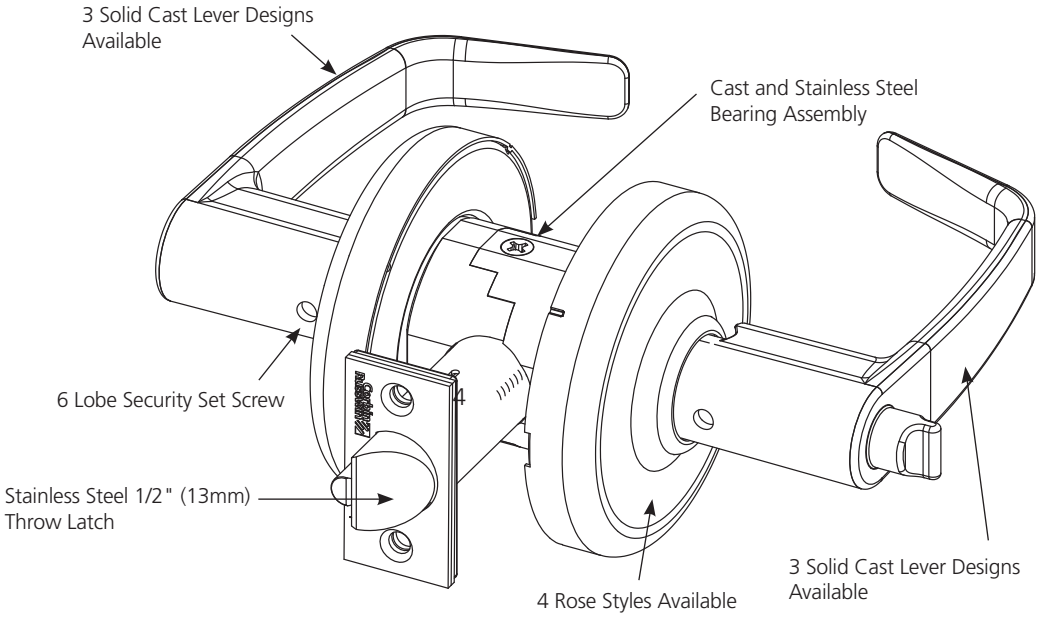
ANSI/BHMA 605 (US3)	Bright Brass
ANSI/BHMA 606 (US4)	Satin Brass
ANSI/BHMA 611 (US9)	Bright Bronze
ANSI/BHMA 612 (US10)	Satin Bronze
ANSI/BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed
613E	Dark Oxidized Satin Bronze - equivalent
613L	Dark Oxidized Satin Bronze, Clear Coated
ANSI/BHMA 618 (US14)	Bright Nickel Plated
ANSI/BHMA 619 (US15)	Satin Nickel Plated
619C	Satin Nickel Plated with Microshield®
ANSI/BHMA 625 (US26)	Bright Chromium Plated
ANSI/BHMA 626 (US26D)	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield®
ANSI/BHMA 722 (US10A)	Black Oxidized Bronze, Oil Rubbed
BSP	Black Suede Powder Coat
WSP	White Suede Powder Coat

Zinc levers are plated to match BHMA finish.

MicroShield®

CL3100 series locks are available with MicroShield® antimicrobial coating. *MicroShield* is a revolutionary hardware finish coating, using a silver ion based technology, which inhibits the growth of bacteria, algae, yeast, fungus, mold and mildew. *MicroShield* is non-toxic and lasts for the lifetime of the finish to which it is applied. To order, suffix option code "C".

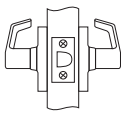
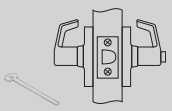
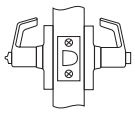
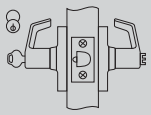
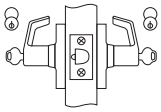
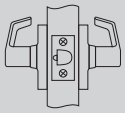
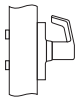
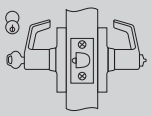
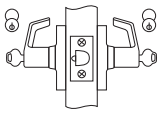
Note: MicroShield® coating may vary finish color from architectural standards. *MicroShield* is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated product must still be cleaned to insure the surfaces will be free of destructive microbes. Corbin Russwin makes no representations or warranties, express or implied, as to the efficacy of the *MicroShield* antimicrobial.



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Functions

CL3100 Series

Outside Inside	Series/ Function	Type	ANSI No.	Function Description
	CL3110	Passage or Closet	F75	• Latchbolt by lever either side. • Both levers always free.
	CL3120	Privacy, Bedroom or Bathroom	F76A	• Throw-off latchbolt by lever. • Outside lever locked by push button on inside lever. • Outside lever unlocked by emergency release tool outside, by rotating inside lever or by closing door. • Inside lever always free.
	CL3120H	Hospital Privacy	—	• Outside lever locked by push button on inside lever. • Outside lever unlocked by rotating thumbturn on outside lever and releasing inside push button. • Rotating inside lever or closing door also unlocks outside lever.
	CL3129	Hotel or Motel	F93	• Deadlocking latchbolt by lever inside or by key outside. • Push button shuts out all keys except emergency key, and projects occupancy indicator in face of cylinder. • Push button released by turning inside lever. • Outside lever always locked. • Inside lever always free. • Not available with other manufacturers keyways • Pushbutton will not depress unless door is in closed position • Lockout key fixes pushbutton in locked position, shutting out all keys except emergency key. • Lockout key ordered separately.
	CL3132	Institutional or Utility	F87	• Deadlocking latchbolt by key either side. • Should be used only in office or room with multiple entries.
	CL3140NT	Exit Latch	F89	• Deadlocking latchbolt by lever inside. • Outside lever always locked. • Inside lever always free.
	CL3150	Half Dummy Trim	—	• Lever acts as pull only; no operation. • Lever is rigid.
	CL3151	Entrance or Office	F81	• Deadlocking latchbolt by lever either side, except when turn button locks outside. • Turning button locks outside lever, requiring key at all times. • Turning inside lever does not unlock outside lever until button is manually turned to unlocked position. • Inside lever always free.
	CL3152	Classroom Intruder	—	• Deadlocking latchbolt by inside lever or outside lever except when key inside or outside locks outside lever. • Key in either lever locks or unlocks the outside lever except when inside locks the outside lever - then only the inside key can unlock the outside lever. The outside key only retracts the latchbolt unless the outside lever is unlocked by the inside key. • Inside lever always free.

Indicates optional interchangeable core available; see Quick Codes, page 12.

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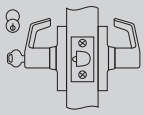
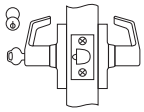
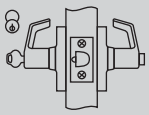
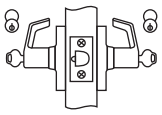
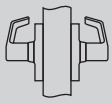
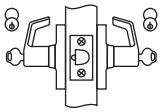
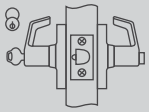
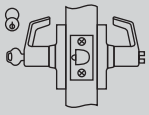
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Functions

CL3100 Series

Outside Inside	Series/ Function	Type	ANSI No.	Function Description
	CL3155	Classroom	F84	• Deadlocking latchbolt by lever either side, except when key outside locks outside lever. • Outside lever locked or unlocked by key outside. • Inside lever always free.
	CL3157	Storeroom or Closet	F86	• Deadlocking latchbolt by key in outside lever or by rotating inside lever. • Inside lever always free. • Outside lever rigid at all times.
	CL3161	Entry or Office	F82A	• Deadlocking latchbolt by lever either side, except when push button locks outside lever. • Push button released by turning inside lever or by key in outside lever. • Closing door does not release push button. • Inside lever always free.
	CL3162	Communicating	F80	• Deadlocking latchbolt by lever either side, except when key in either lever locks and unlocks the lever independently of the other. • Keyed alike unless otherwise specified. • Should be used only in office or room with multiple entries.
	CL3170	Full Dummy Trim	—	• Levers act as pulls only; no operation. • Levers are rigid.
	CL3172	Apartment, Exit or Public Toilet	F88	• Deadlocking latchbolt by lever either side, except when key inside locks outside lever. • Key outside retracts latchbolt when outside lever is locked by key inside. • Key inside unlocks outside lever. • Inside lever always free. • Keyed alike unless otherwise specified.
	CL3175	Corridor/ Dormitory Lock	F90	• Latchbolt by lever either side except when pushbutton or key locks outside lever. • Pushbutton will not depress unless door is in closed position. • Depressed pushbutton indicates door is locked. Rotating inside lever releases button. • Inside lever always free. • Outside lever rigid when locked.
	CL3180	Passage Lever x Blank Plate	F111	• Deadlocking latchbolt by lever. • Lever on one side; blank plate on other side. • Lever always free. • For single or double communicating doors.
	CL3193	Service Station	F92	• Deadlocking latchbolt by lever. • Outside lever locked by push button. • Key retracts latchbolt when outside lever is locked. • Pushbutton will not depress unless door is in closed position • Push button released by turning inside lever or by key in outside lever, unless pushbutton is fixed in locked position by turning coin slot in inside lever. • Inside lever always free.

Indicates optional interchangeable core available; see Quick Codes, page 12.

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Trim Designs

CL3100 Series

Levers

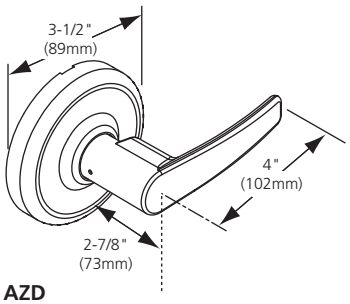


AZD shown

Armstrong

AZD, AZC, AZE, or AZK

Lever: Die cast zinc
Rose: Brass



AZD



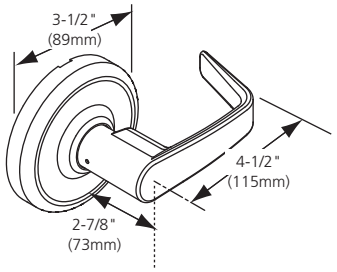
NZD shown

Newport

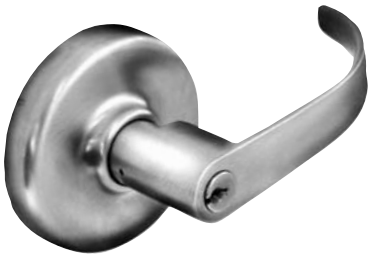
Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

NZD, NZC, NZE, or NZK

Lever: Die cast zinc
Rose: Brass



NZD



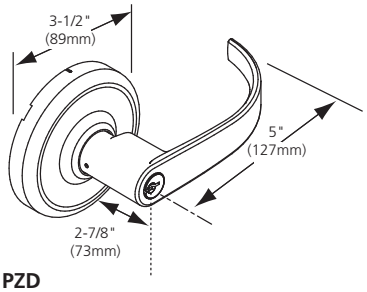
PZD shown

Princeton

Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

PZD, PZC, PZE, or PZK

Lever: Die cast zinc
Rose: Brass



PZD

Roses

D Rose (standard)
3-1/2" Dia.
Brass



C Rose
2-3/4" Dia.
Brass



E Rose
3-1/8" Sq.
Brass



K Rose
2-3/4" Dia.
Brass



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Options & Accessories

CL3100 Series

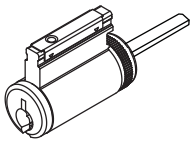
Latches

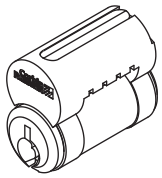
To order optional latch with lockset, see Quick Codes, pages 12-13.
To order latch separately, specify Part No. x Finish (e.g., 780F81 x 626).

Part	Code	Functions
Standard 2-3/4" (70mm) Backset		
780F81	A	10
780F82	B	32, 40NT, 51, 52, 55, 57, 62, 72, 80
780F83	C	20, 20H
780F84	D	29, 75, 93
780F85	K	61
B334 option 3-3/4" (95mm) Backset		
780F86	A	10
780F87	B	32, 40NT, 51, 52, 55, 57, 62, 72, 80
780F88	C	20, 20H
780F89	D	29, 75, 93
780F90	K	61
B500 option 5" (127mm) Backset		
780F91	A	10
780F92	B	32, 40NT, 51, 52, 55, 57, 62, 72, 80
780F93	C	20, 20H
780F94	D	29, 75, 93
780F95	K	61
M16 option 3/4" (19mm) Throw*		
780F96	—	10, 51, 55, 57, 72, 80

Note: Code letter stamped on inside corner of latch front identifies function(s) compatible with latch assembly.
*Limited to 2-3/4" Backset only

Corbin Russwin Cylinders





Security Type	Pins	Standard Cylinder	Interchangeable Core
Conventional	6-Pin	2000-031 (standard)	8000
	7-Pin	2000-031-7	8000-7
Hotel	6-Pin	2001-031	8001-031
	7-Pin	2001-031-7	8001-031-7
Security	6-Pin	2010-031	8010
Pyramid - High Security	7-Pin	2020-031	8020
Pyramid - Security	7-Pin	2027-031	8027
Access 3 - Patented (AP)	6-Pin	2500-031	8500
Access 3 - Security (AS)	6-Pin	2600-031	8600
Access 3 - High Security (AHS)	6-Pin	2700-031	8700
Access 3 - AP (Hotel Function)	6-Pin	2501-031	N/A
Access 3 - AS (Hotel Function)	6-Pin	2601-031	N/A
Access 3 - AHS (Hotel Function)	6-Pin	2701-031	N/A

Plug diameter for standard cylinders is .509, .510 for Access 3®, .552 for security cylinders and .496 for Pyramid cylinders.
Cylinders are brass and come with 2 nickel silver keys.
Finishes for standard cylinders include 606 or 626. Finishes for interchangeable core cylinders include 605, 606, 611, 612, 613, 613E, 625, 626, BSP, WSP.
To order cylinders separately, specify Part No. x Keyway x Finish (e.g., 2000-031 x L4 x 626).

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Options & Accessories

CL3100 Series

Cylinders with Keyways From Other Manufacturers*

Competitive Keyway	Number
Schlage® C (0-bitted)	2400-031-C
Schlage® C (keyed random)	2400-031-C-KR
Sargent® LA (0-bitted)	2400-031-LA

*All cylinders are 6-pin.

Levers That Accept Cylinders/Cores From Other Manufacturers[1]

Cylinder Type	Quick Code Ordered with Lock	Available Levers	Tailpiece Kit (provided with lock)	Competitor Cylinder Compatibility
Fixed Core				
Sargent 6-pin	M09	AZ, NZ, PZ	775F948	—
Schlage® 6-pin	M06	AZ, NZ, PZ	778F788	Schlage® Conventional 21-002, 23-001, 23-013 or Primus® 20-548, 20-550, 20-748, 20-750 cylinders
Yale® 6-pin	YC	NZ, PZ	778F759 (spacer)	Yale® 1803-54L, 5803-54L and K403-54L cylinders only.
Yale® 7-pin	YC7	NZ, PZ		Yale® 1803A-54L, 5803A-54L and K403A-54L cylinders only.
Interchangeable Core				
SFIC 6- or 7-pin	M08[2]	AZ, NZ, PZ	780F658	All 6- or 7-pin small format interchangeable cores
Schlage® LFIC 6-pin	M69	AZ, NZ, PZ	780F662	All Schlage® 6-pin large format interchangeable cores
Yale® LFIC 6-pin	YRC	NZ, PZ	774F878	All Yale® 6-pin large format interchangeable cores
Yale® LFIC 7-pin	YRC7	NZ, PZ	774F888	All Yale® 7-pin large format interchangeable cores

1. Cylinder/core not included.
2. Ships with disposable core installed.

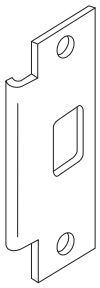
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Options & Accessories

CL3100 Series

Strikes



ANSI Curved Lip (standard)

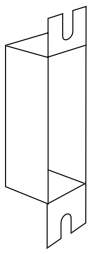
Brass or stainless steel.

4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.

Optional lip lengths: 1" (25mm), 1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm).

To order separately, specify

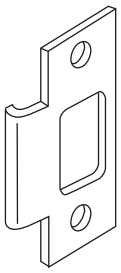
217L13 x Lip Length x Finish.



ANSI Wrought Strike Box

To order with lockset, see Quick Codes, page 13.

To order separately, specify 120F768.



Curved Lip "T" Strike (option)

Brass.

2-3/4" (70mm) x 1-1/8" (29mm) x 1-1/4" (32mm) lip to center

Optional lip lengths: 1" (25mm), 1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm),

2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

To order optional strike with lockset, see Quick Codes, page 12.

To order separately, specify 586L19 x

Lip Length x Finish.

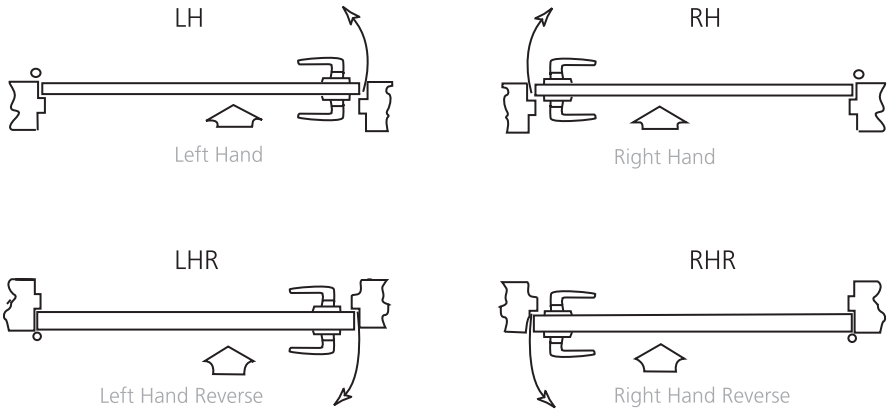
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How to Order

CL3100 Series

Ordering Examples



Where to find ordering information and quick codes

Series/Function	Pages 5-6
Trim Designs	Page 7
Latches	Page 8
Finish	Page 12
Door Thickness	Page 12
Backset	Page 12
Strike	Page 10
Cylinders and Keying	Page 12
Miscellaneous Options	Page 12

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
100	CL3155	NZD	626	RHR

Split Trim / Finish Order

Quantity	Series/ Function	Trim		Finish		Hand
		Outside	Inside	Outside	Inside	
12	CL3155	NZD	NZD	626	625	LH

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Door Thickness	Backset	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	CL3155	NZE	626	RHR	D214	B334	SC114	M04-M16	C6	VKC3

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Quick Codes

CL3100 Series

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with Temporary Construction Core (Red)	CT6R
IC 6-pin with Temporary Construction Core (Blue)	CT6B
IC 6-pin with Temporary Construction Core (Green)	CT6G
IC 6-pin less core[3]	CL6
IC 7-pin	C7
IC 7-pin less core[3]	CL7
IC 7-pin with Temporary Construction Core (Red)	CT7R
IC 7-pin with Temporary Construction Core (Blue)	CT7B
IC 7-pin with Temporary Construction Core (Green)	CT7G
Security[3]	HS
Security IC[3]	CHS
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC[3]	ACP
Access 3® Security IC[3]	ACS
Access 3® High Security IC[3]	ACHS
Pyramid High Security Fixed Core[3]	PHS
Pyramid High Security IC[3]	PCHS
Pyramid IC Less Core[3]	CLP
Pyramid with temporary construction core[3]	CTP
Pyramid Security Fixed Core[3]	PS
Pyramid Security IC[3]	PCS
Pyramid Disposable Core[3]	CTPD
6-Pin Disposable Core[3]	CT6D
7-Pin Disposable Core[3]	CT7D
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
No bitting or keyset stamping on keys	VKC0
Keys only	VKC1
Cylinders and keys (not for HS, CHS, PHS or PCHS)	VKC2
Cylinders only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed key control (CKC)	
CKC cylinders with VKC keys	CKC2
CKC cylinders only (not for PHS, PCHS)	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)

Cylinder and Keying from other Manufacturers

Description	Specify
SFIC 6- or 7-pin Small Format Disposable Core[3]	CTSD
Schlage® C keyway cylinder[1]	C
Sargent® LA keyway cylinder[2]	LA

1 Available 0-bitted & keyed random (KR) only
2 Available 0-bitted only
3 Not available in CL3129 functions

Finishes

Description		Specify
ANSI/BHMA 605 (US3)	Bright Brass	605
ANSI/BHMA 606 (US4)	Satin Brass	606
ANSI/BHMA 611 (US9)	Bright Bronze	611
ANSI/BHMA 612 (US10)	Satin Bronze	612
ANSI/BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed	613
613E	Dark Oxidized Satin Bronze - equivalent	613E
613L	Dark Oxidized Satin Bronze, Clear Coated	613L
ANSI/BHMA 618 (US14)	Bright Nickel Plated	618
ANSI/BHMA 619 (US15)	Satin Nickel Plated	619
619C	Satin Nickel Plated with Microshield®	619C
ANSI/BHMA 625 (US26)	Bright Chromium Plated	625
ANSI/BHMA 626 (US26D)	Satin Chromium Plated	626
626C	Satin Chromium Plated with MicroShield®	626C
ANSI/BHMA 722 (US10A)	Black Oxidized Bronze, Oil Rubbed	722
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Zinc levers are plated to match BHMA finish.

Strikes

ANSI Lip to Center	ANSI Curved Lip Specify	T-Strike Curved Lip Box Specify
1" (25mm)	SA100	SC100
1-1/8" (29mm)	SA118	SC118
1-1/4" (32mm)	SA114 (standard)	SC114
1-3/8" (35mm)	SA138	SC138
1-1/2" (38mm)	SA112	SC112
1-3/4" (44mm)	SA134	SC134
2" (51mm)	SA200	SC200
2-1/4" (57mm)	SA214	SC214
2-1/2" (64mm)	SA212	SC212
2-3/4" (70mm)	SA234	SC234
3" (76mm)	SA300	SC300

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Quick Codes

CL3100 Series

Door Thickness

Door Thickness	Specify
1-3/4"(44mm) - 2" (51mm)	(standard)
Over 2" (51mm) - up to 2 1/4" (57mm)	D214

Backset

Description	Specify
2-3/4" (70mm)	(standard)
3-3/4" (95mm)	B334
5" (127mm)	B500

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws	M04
Less cylinder, with tailpiece for Schlage® fixed core cylinder (AZ, NZ & PZ designs)	M06*
Lever to accept 6 or 7-pin SFIC (AZ, NZ & PZ designs)	M08*
Lever to accept Sargent® fixed core cylinder (AZ, NZ & PZ designs)	M09*
3/4" (19mm) throw fire latch	M16
ANSI wrought strike box	M17
Knurling outside and inside	M20
Knurling outside only	M21
Knurling inside only	M22
Abrasive coat outside and inside	M23
Abrasive coat inside only	M24
Abrasive coat outside only	M25
Lead lining (roses)	M28
Lever to accept Schlage® LFIC (AZ, NZ & PZ designs)	M69*
Security Lever	M111
STC 55 Door Kit	M112
Lever to accept Yale® 6-pin fixed core cylinder (NZ & PZ designs only)	YC*
Lever to accept Yale® 7-pin fixed core cylinder (NZ & PZ designs only)	YC7*
Lever to accept Yale® 6-pin LFIC (NZ & PZ designs only)	YRC*
Lever to accept Yale® 7-pin LFIC (NZ & PZ designs only)	YRC7*

*Not available in CL3129 functions

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How To Specify

CL3100 Series

CL3100 Series
Suggested Specification

All locksets shall be CL3100 Series Vandal Resistant Lever Locksets as manufactured by Corbin Russwin Architectural Hardware.

A single lock chassis shall accommodate 1-3/4" (44mm) to 2-1/4" (57mm) door thickness. Locksets shall be non-handed.

Locksets shall be able to withstand 3000 inch pounds of torque applied to the locked lever without gaining access.

Locksets shall have solid cast levers without plastic fillers. Outside lever handles shall be a minimum of 4-5/8" (117mm) in length and shall provide a minimum of 2" (51mm) clearance from the surface of the door to the inside of the lever at the midpoint. Outside lever handles may return to within 1/2" (13mm) of the door surface. Levers on keyed locksets shall be removable only when the designated key is in the cylinder.

Locksets shall be able to fit a standard 2-1/8" (55mm) bore without the use of thru-bolts. Standard rose size shall be 3-1/2" (89mm) in diameter.

Latchbolt head shall be one piece stainless steel. Latchbolt assembly shall be encased within the lock body.

Lockset shall have 2-3/4" (70mm) backset, standard.

A single lockset shall accommodate a 6 or 7-pin conventional cylinder and all levers of master keying, construction master keying, visual key control, security, high security and interchangeable core. Cylinders may be easily changed by removing the lever without disassembling the lockset.

Locksets required for fire doors shall be listed by UL for ratings of A label (3 hours) and less, for doors up to 4'0" (1.2m) x 10'0" (3m) and pairs of doors 8'0" (2.4m) x 10'0" (3m). A 3/4" (19mm) throw Latchbolt for pairs of fire doors shall be standard.

Locksets shall be cycle tested per ANSI/BHMA A156.2, to eight (8) million cycles without any visible lever sag.

Certification:
Meets FF-H-106C
Exceeds ANSI/BHMA A156.2 Series 4000, Grade 1
UL and cUL listed to Canadian safety standards
UL-cUL listed for 3 Hour doors
All levers conform to ADA requirements for barrier free accessibility
Meets UL 10C and UBC 7-2
UL Listed: ANSI/SDI-BHMA A250.13;ANSI/ASTM E330-2002
ANSI/ASTM 31886-2005 & ASTM 31996-1009
UL Certification Directory ZHEM.R21744 Latching Hardware
Listed on Florida Building Code Website: FL4351-R1
Meets ANSI A117.1 Accessibility Code.
California State Reference Code (formerly Title 19, Cal. State Fire Marshal Standard).

Lockset shall carry a ten (10) year limited warranty.

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Notes

CL3100 Series

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

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Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

MicroShield™

MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silverbased antimicrobial coating designed to inhibit the growth of bacteria.

MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

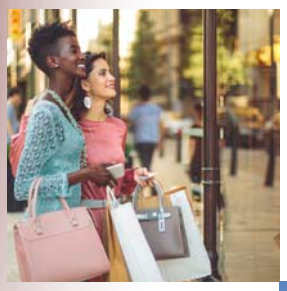
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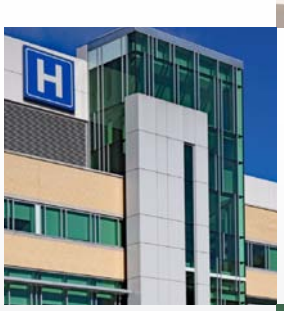
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CL3300 Series

Cylindrical Lever Locksets

Product Catalog

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and more open world

Corbin Russwin
ASSA ABLOY

Overview

CL3300 Series



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Quality

The CL3300 series is a Grade 1 cylindrical lockset manufactured with the highest quality materials to ensure strength, durability and quiet operation. Available in all standard architectural finishes and four lever designs, the CL3300 series subtly complements any high-use commercial, industrial and institutional application.

Classroom Security

The CL3352 Classroom Intruder function is the solution to classroom security: a double cylinder lockset that allows locking of the outside lever from either side. Egress is always possible with the standard anti-panic feature, whether the door is locked or not. And because a key is needed to secure the door from either side, students cannot lock a teacher out of the classroom.

Vandal Resistance

Engineered to meet today's increased security needs, the CL3300 series offers several advantages. All functions feature the Lever Release™ design for vandal resistance, allowing the outside lever to rotate when in the locked position.

Access Control

For access control, the CL33900 Series Electrified Cylindrical lockset utilizes the proven CL3300 series lockset and features an integral continuous duty solenoid that allows installation in a standard cylindrical prep. Available in Fail Safe or Fail Secure, the CL33900 is ideal for door control where increased security is necessary at all times, while meeting life safety codes.

Key Advantages

- EZ-Install components significantly reduce installation time
- Lever Release™ lever design for vandal resistance
- Several security key systems available (Access 3®, Pyramid, etc.)
- Access control available with CL33900 Electrified lockset
- ElectroLynx® connectors are standard on all Corbin Russwin electrified products. McKinney QC hinges are recommended to make a complete plug and play application.
- Independent return springs prevent lever sag
- Covers ANSI/BHMA Door Prep A156.115

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Features

CL3300 Series

Features

Handing
Non-handed (Except FZD trim)

Door Thickness
1-3/4" (44mm) - 2" (51mm) standard.
Optional: Over 2"(51mm) - 2-1/4" (57mm); see Quick Codes, page 16.

Lock Chassis
Steel, zinc dichromated for corrosion resistance.

Backset
2-3/4" (70mm) standard.
Optional: 3-3/4" (95mm) and 5" (127mm); see Quick Codes, page 16.

Latchbolt
Stainless Steel, 1/2" (13mm) throw.
Optional: 3/4" (19mm) throw deadlocking fire latch for pair of doors; see Quick Codes, page 17.

Auxiliary Latchbolt

Deadlocking latchbolt prevents manipulation when door is closed.

Front
Wrought brass, bronze, or stainless steel, 2-1/4" (57mm) x 1-1/8" (29mm).
Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).
Optional: rounded corners; see Quick Codes, page 17.

Strike
Wrought brass or stainless steel ANSI curved lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Cylinder
Brass, 6-pin L4 keyway, 0-bitted standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
Interchangeable core (IC)
Security
Security IC (not available with CL3329)
Pyramid (not available with CL3329)
Pyramid IC (not available with CL3329)
Access 3®
Access 3® IC (not available with CL3329)

Keys
Two nickel silver standard.

Warranty
Seven-year limited.

Classroom Security



The CL3352 Classroom Intruder function lockset allows locking of the outside lever from either side with the key. In a panic situation, the Key Turn Indicator serves as a quick reference for locking the door. And egress is always possible with the "anti-panic" feature, which keeps the outside lever locked if the inside lever is activated.

MicroShield®
CL3300 series locks are available with MicroShield® antimicrobial coating. *MicroShield* is a revolutionary hardware finish coating, using a silver ion based technology, which inhibits the growth of bacteria, algae, yeast, fungus, mold and mildew. *MicroShield* is non-toxic and lasts for the lifetime of the finish to which it is applied. To order, suffix option code "C".
Note: MicroShield® coating may vary finish color from architectural standards. *MicroShield* is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated product must still be cleaned to insure the surfaces will be free of destructive microbes. Corbin Russwin makes no representations or warranties, express or implied, as to the efficacy of the *MicroShield* antimicrobial.

Windstorm/Hurricane Certified
(refer to local codes).

Hurricane

Certification/Compliance

ANSI/BHMA
Certified A156.2 Series 4000, Grade 1. BHMA CERTIFIED
Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard)
All levers with returns comply; levers return to within 1/2" (13mm) of door face.

UL-cUL
All locks with 1/2" (13mm) throw latchbolt listed for A label and lesser class 4' x 10' single doors. All locks with 3/4" (19mm) throw latchbolt listed for A label and lesser class 8' x 10' pairs of doors. Letter F and UL symbol on latch front indicate listing.

Any retrofit or other field modification to a fire-rated opening can potentially impact the fire-rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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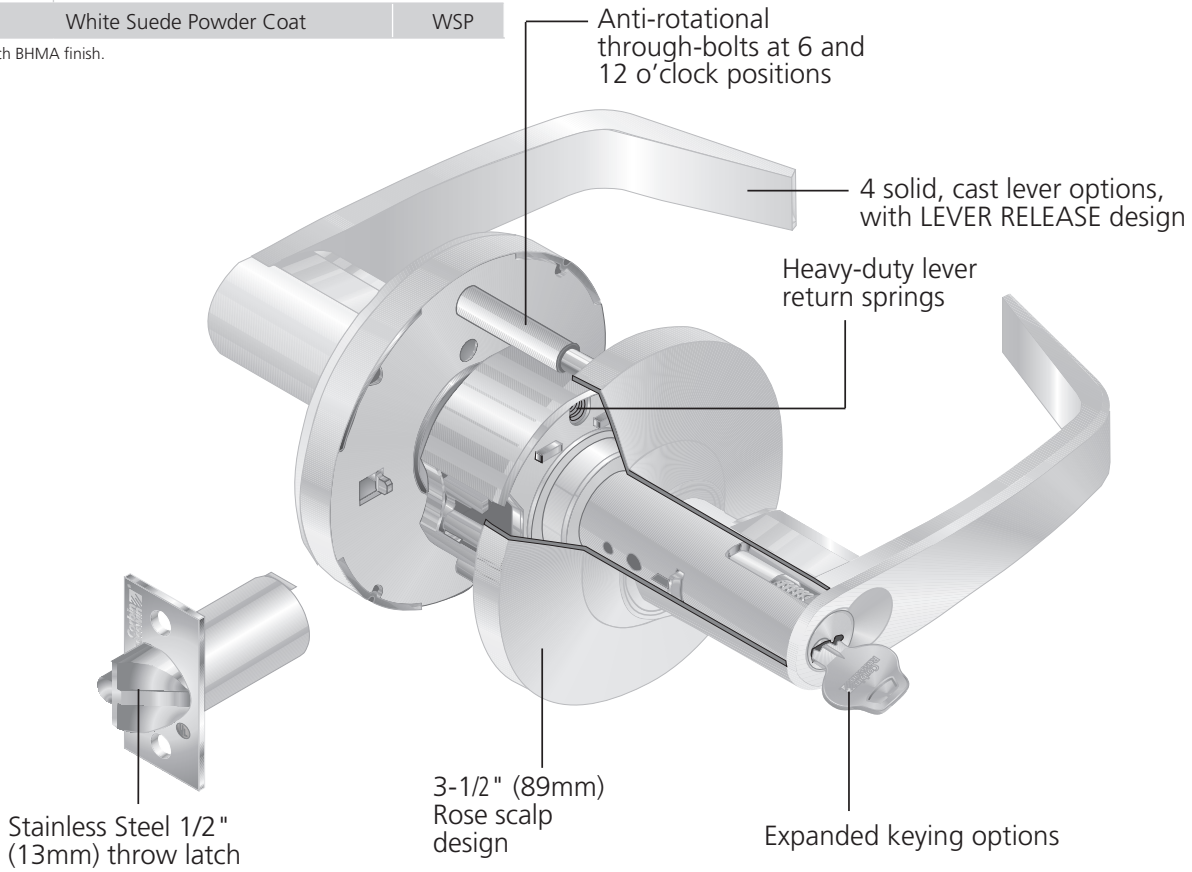
Features

CL3300 Series

Finishes

Description		Specify
ANSI/BHMA 605 (US3)	Bright Brass	605
ANSI/BHMA 606 (US4)	Satin Brass	606
ANSI/BHMA 611 (US9)	Bright Bronze	611
ANSI/BHMA 612 (US10)	Satin Bronze	612
ANSI/BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed	613
613E	Dark Oxidized Satin Bronze - equivalent	613E
613L	Dark Oxidized Satin Bronze, Clear Coated	613L
ANSI/BHMA 618 (US14)	Bright Nickel Plated	618
ANSI/BHMA 619 (US15)	Satin Nickel Plated	619
619C	Satin Nickel Plated with MicroShield®	619C
ANSI/BHMA 625 (US26)	Bright Chromium Plated	625
ANSI/BHMA 626 (US26D)	Satin Chromium Plated	626
626C	Satin Chromium Plated with MicroShield®	626C
ANSI/BHMA 722	Black Oxidized Bronze, Oil Rubbed	722
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Zinc levers are plated to match BHMA finish.

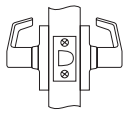
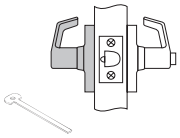
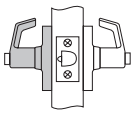
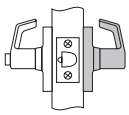
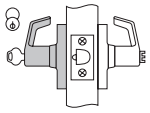
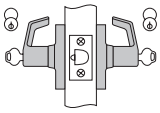
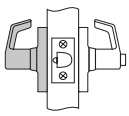
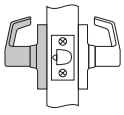


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Functions

CL3300 Series

Outside Inside	Series/Function	Type	ANSI No.	Function Description
	CL3310	Passage or Closet	F75	• Latchbolt by lever either side. • Both levers always free.
	CL3320	Privacy, Bedroom or Bathroom	F76A	• Throw-off latchbolt by lever. • Outside lever locked by push button. (Lever handle is freewheeling in locked position.) • Outside lever unlocked by emergency release tool outside, by rotating inside lever or by closing door. • Inside lever always free.
	CL3320H	Hospital Privacy	—	• Outside lever locked by inside push button. (Lever handle is freewheeling in locked position.) • Outside lever unlocked by simultaneously depressing outside pushbutton while rotating lever. • Rotating inside lever or closing door also unlocks outside lever. • Outside lever handle is freewheeling when locked.
	CL3320TO	Time Out Lock	—	• Deadlocking latchbolt by lever either side (passage) unless push button depressed and held by caretaker (detention side becomes freewheeling). Lock returns to passage mode upon release of push button. • Push button automatically releases when caretaker releases push button. • Both levers always free.
	CL3329	Hotel or Motel	F93	• Throw-off latchbolt by lever inside or by key outside. • Push button shuts out all keys except emergency key, and projects occupancy indicator in face of cylinder. (Lever handle is freewheeling in locked position.) • Push button released by turning inside lever or by closing door.* • Outside lever always locked. • Inside lever always free. • Not available with other manufacturers keyways
	CL3332	Institutional or Utility	F87	• Deadlocking latchbolt by key either side. (Lever handles are freewheeling in locked position.) • Should be used only in office or room with multiple entries.
	CL3340	Patio or Privacy	F77	• Throw-off latchbolt by lever. • Outside lever locked by push button. (Lever handle is freewheeling in locked position.) • Inside lever always free. • Should not be used in rooms that have no other entrance.
	CL3340NT	Exit Latch	F89	• Deadlocking latchbolt by lever inside. • Outside lever always locked. (Lever handle is freewheeling in locked position.) • Inside lever always free.



Indicates optional interchangeable core available; see Quick Codes, page 16.

Indicates freewheeling lever in locked position.

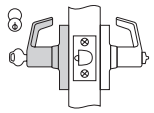
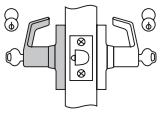
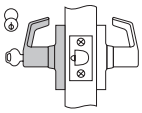
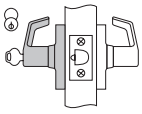
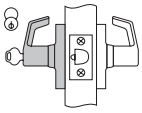
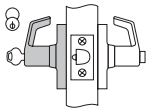
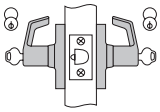
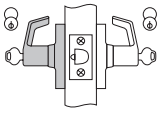
*Unless push button has been fixed in locked position by spanner key (furnished). When push button is fixed by spanner key, lock is operable only by emergency key or by display key.

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Functions

CL3300 Series

Outside Inside	Series/Function	Type	ANSI No.	Function Description
	CL3351	Entrance or Office	F109	• Deadlocking latchbolt by lever either side, except when turn button locks outside lever. Pushing turn button in locks outside lever, requiring use of key outside to unlock. (Lever handle is freewheeling in locked position.) • Turning inside lever unlocks outside lever. • Pushing in and turning button locks outside lever, requiring key at all times. Turning inside lever does not unlock outside lever until button is manually turned to unlocked position. • Inside lever always free.
	CL3352	Classroom Intruder	F110	• Deadlocking latchbolt by inside lever or outside lever except when key inside or outside locks outside lever. (Lever handle is freewheeling in the locked position.) • Outside lever is locked and unlocked by turning the key in the inside or outside lever. • Inside lever always free.
	CL3355	Classroom	F84	• Deadlocking latchbolt by lever either side, except when key outside locks outside lever. (Lever handle is freewheeling in locked position.) • Outside lever unlocked by key outside. • Inside lever always free.
	CL3357	Storeroom or Closet	F86	• Deadlocking latchbolt by key in outside lever or by rotating inside lever. (Lever handle is freewheeling in locked position.) • Inside lever always free.
	CL3359	Barrier Free Storeroom or Public Restroom	—	• Deadlocking latchbolt by inside lever. • Key outside unlocks outside lever to retract latchbolt. • Key is retained in unlock mode. • When key is removed outside lever is locked. (Lever handle is freewheeling in locked position.) • Inside lever always free.
	CL3361	Entry or Office	F82A	• Deadlocking latchbolt by lever either side, except when push button locks outside lever. • Push button released by turning inside lever or by key in outside lever. (Lever handle is freewheeling in locked position.) • Closing door does not release push button. • Inside lever always free.
	CL3362	Communicating	F80	• Deadlocking latchbolt by lever either side, except when key in either lever locks and unlocks the lever independently of the other. (Lever handle is freewheeling in locked position.) • Keyed alike unless otherwise specified. • Should be used only in office or room with multiple entries.
	CL3372	Apartment, Exit or Public Toilet	F88	• Deadlocking latchbolt by lever either side, except when key inside locks outside lever. (Lever handle is freewheeling in locked position.) • Key outside retracts latchbolt. • Key inside unlocks outside lever. • Inside lever always free. • Keyed alike unless otherwise specified.

 Indicates optional interchangeable core available; see Quick Codes, page 16.

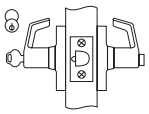
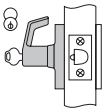
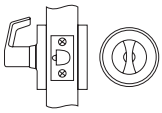
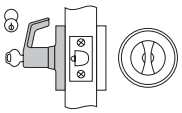
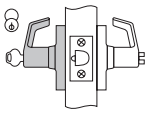
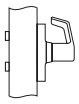
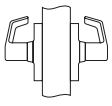
 Indicates freewheeling lever in locked position.

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Functions

CL3300 Series

Outside Inside	Series/Function	Type	ANSI No.	Function Description
	CL3375	Corridor/ Dormitory Lock	F90	• Throw-off latchbolt by lever either side except when pushbutton or key locks outside lever. • Pushbutton released by turning inside lever or by closing door. • Depressed pushbutton indicates door is locked. • When outside lever is locked by key, it can only be unlocked by key. • Inside lever always free. • Outside lever rigid when locked.
	CL3380	Passage Lever x Blank Plate	F111	• Deadlocking latchbolt by lever. • Lever on one side; blank plate on other side. • Lever always free. • For single or double communicating doors.
	CL3381	Keyed Lever x Blank Plate	F113	• Deadlocking latchbolt by lever, except when lever is locked by key. (Lever handle is freewheeling in locked position.) • Lever on one side; blank plate on other side. • Key unlocks lever
	CL3390	Passage Lever x Turnpiece	—	• Deadlocking latchbolt by lever or by turnpiece. • Lever on one side; turnpiece on other side. • Lever and turnpiece always free.
	CL3391	Keyed Lever x Turnpiece	—	• Deadlocking latchbolt by lever or turnpiece, except when lever is locked by key. • When lever is locked, latchbolt is operated by key in lever or by turnpiece. (Lever handle is freewheeling in locked position.) • Lever on outside; turnpiece on inside. • Turnpiece always free.
	CL3393	Service Station	F92	• Throw-off latchbolt by lever. • Outside lever locked by slotted push button. (Lever handle is freewheeling in locked position.) • When slotted push button is pushed in and turned, outside lever becomes freewheeling and deadlocking latch is activated. Outside lever is unlocked by using key or by rotating inside lever, when slotted push button returned to original position. • Inside lever always free.
	CL3350	Half Dummy Trim	—	• Lever acts as pull only; no operation. • Lever is rigid.
	CL3370	Full Dummy Trim	—	• Levers act as pulls only; no operation. • Levers are rigid.



Indicates optional interchangeable core available; see Quick Codes, page 16.

Indicates freewheeling lever in locked position.

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Corbin Russwin
ASSA ABLOY

CL33900 Electrified Lockset

CL3300 Series

Applications

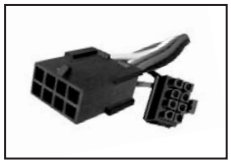
Provides remote locking and unlocking, utilizing the proven CL3300 Series Cylindrical Lockset. Ideal for door control where increased security is necessary at all times, while meeting life safety codes.

- Stairwell towers
- Tenant space
- Pharmacies
- Computer rooms
- High-security areas

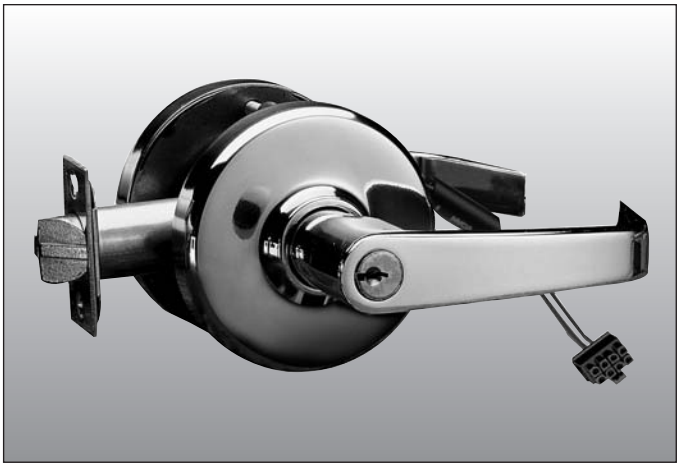
Advantages

- Utilizes the CL3300 Series Cylindrical Lockset with Lever Release™ Mechanism
- Self-contained integral solenoid allows installation in modified cylindrical prep
- Minimal power requirements – device is designed to lock or unlock as the situation demands
- Available in either 12 or 24VAC/VDC
- Mechanical cylinder override
- Fail Safe and Fail Secure mode available
- Optional M92 Request to Exit (REX) switch
- ElectroLynx® 8-pin connector

ElectroLynx®



ElectroLynx®, a new quick-connect feature of ASSA ABLOY Group companies, takes the guesswork out of installing electrified door hardware products. It's ... Hardwiring Made Easy. By using standard "plug and play" connectors, a simple "click" links power from the incoming source to electrified locking products, including hinges, locks, exit devices, magnetic holders, and strikes. What normally takes an hour or more can be connected in virtually minutes.



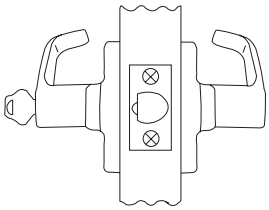
Securitron PowerJump™ ICPT



The Securitron PowerJump ICPT Inductive Coupling Power Transfer delivers power contactlessly and invisibly between the frame and door to power electrified hardware on the door. The PowerJump can be installed at the latch side or hinge side of the door and transfers up to 6 watts of power without pins or wires across the door gap, eliminating points of vulnerability and wear … and no need to core drill the door. The PowerJump is field selectable for 12VDC or 24VDC systems and is ideal for fail secure applications. The unit can hold electrified latches open in continuous duty or can momentarily energize the lockset for latch retraction.

Additional information regarding this product can be found at www.securitron.com

Functions

Outside	Inside	Series/Function	Function Description
		CL33903	Fail Safe • Deadlocking latchbolt by lever either side except when power on locks outside lever • Power off/unlocks outside lever • Inside lever always free • Latchbolt retracted by key when locked electrically
		CL33905	Fail Secure • Deadlocking latchbolt by lever either side except when power off locks outside lever • Power on/unlocks outside lever • Inside lever always free • Latchbolt retracted by key when power is off

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CL33900 Electrified Lockset

CL3300 Series

Features

Non-Handed (Except FZD trim)

Door Thickness
1-3/4" (44mm) - 2" (51mm) standard.
Optional: Over 2" (51mm) - 2-1/4" (57mm); see Quick Codes, page 16.

Lock Chassis
Steel, zinc dichromated for corrosion resistance.

Backset
2-3/4" (70mm) standard.
Optional: 3-3/4" (95mm) and 5" (127mm); see Quick Codes, page 16.

Latchbolt
Stainless Steel, 1/2" (13mm) throw.
Optional: 3/4" (19mm) throw deadlocking fire latch for pair of doors; see Quick Codes, page 17.

Auxiliary Latchbolt
Deadlocking latchbolt prevents manipulation when door is closed.

Front
Wrought brass or bronze, 2-1/4" (57mm) x 1-1/8" (29mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).
Optional: rounded corners; see Quick Codes, page 17.

Strike
Wrought brass, bronze, or stainless steel, ANSI curved lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, pages 16.

Trims
Available with all lever designs: Armstrong, Newport, Princeton, Frascati.

Cylinder
Brass, 6-pin L4 keyway, 0-bitted standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
Interchangeable core (IC)
Security
Security IC
Pyramid
Pyramid IC
Access 3®
Access 3® IC

Keys
Two nickel silver standard.

Voltage
Locks are universal for AC or DC. Available with 12VAC/DC or 24VAC/DC. See Quick Codes, page 17.

Electrical Specifications
250mA @ 12VAC/VDC
150mA @ 24VAC/VDC
Continuous duty solenoid.

Monitoring Option
M92 - Request to Exit Monitoring (Non-Handed)
Request to Exit monitoring is a SPDT switch which monitors the activation of the trim.

Warranty
Two-year limited.

Certification/Compliance

ANSI/BHMA
Meets A156.2 Series 4000, Grade 1.
Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard)
All levers with returns comply; levers return to within 1/2" (13mm) of door face.

UL-cUL
All locks with 1/2" (13mm) throw latchbolt listed for A label and lesser class 4' x 10' single doors. All locks with 3/4" (19mm) throw latchbolt listed for A label and lesser class 8' x 10' pairs of doors. Letter F and UL symbol on latch front indicate listing.

Finishes

Description		Specify
ANSI/BHMA 605 (US3)	Bright Brass	605
ANSI/BHMA 606 (US4)	Satin Brass	606
ANSI/BHMA 611 (US9)	Bright Bronze	611
ANSI/BHMA 612 (US10)	Satin Bronze	612
ANSI/BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed	613
613E	Dark Oxidized Satin Bronze - equivalent	613E
613L	Dark Oxidized Satin Bronze, Clear Coated	613L
ANSI/BHMA 618 (US14)	Bright Nickel Plated	618
ANSI/BHMA 619 (US15)	Satin Nickel Plated	619
619C	Satin Nickel Plated with MicroShield®	619C
ANSI/BHMA 625 (US26)	Bright Chromium Plated	625
ANSI/BHMA 626 (US26D)	Satin Chromium Plated	626
626C	Satin Chromium Plated with MicroShield®	626C
722	Black Oxidized Bronze, Oil Rubbed	722
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Zinc levers are plated to match BHMA finish.

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CL33900 Electrified Lockset

CL3300 Series

Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With *ElectroLynx*, doorway components come pre-wired for easy hookup to the power source. Key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx:

- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect a CL33900 series electrified cylindrical lock to the electronic access control system, the following items are required:

- CL33900 series electrified cylindrical lock
- ASSA ABLOY Door Group pre-wired door, or *ElectroLynx* retrofit cable (order from McKinney)
- Electronic transfer device (*ElectroLynx* electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKinney)
- *ElectroLynx* cable from the hinge to above the ceiling (order from McKinney)

Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

The McKinney QC8 *ElectroLynx* Hinge is recommended for the CL33903 function, the CL33905 function and the M92 (REX) option.

BPS Power Supply

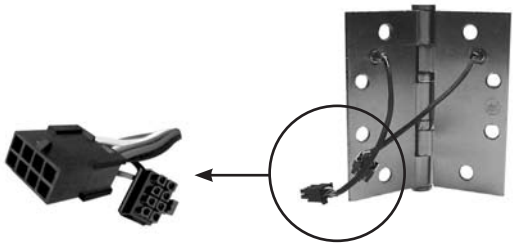
Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. All modular power supplies are voltage specific and are designed to meet UL 1481 Standards.

Features

- Fire panel emergency release input
- PC Board mounted system LED indicator
- Voltage specific 12 or 24VDC
- Regulated and filtered with input and output protection
- Battery charging is provided from a separate output terminal

Model	Input	Output
BPS-12-1	115VAC @ 50/60 Hz	1 Amp @ 12VDC
BPS-12-3		3 Amp @ 12VDC
BPS-24-1	115VAC @ 50/60 Hz	1 Amp @ 24VDC
BPS-24-2		2 Amp @ 24VDC





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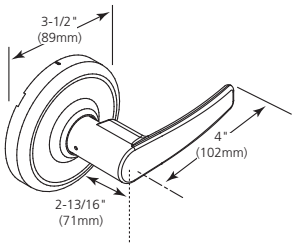
Trim Designs

CL3300 Series



Armstrong

AZD
Lever: Die cast zinc
Rose: Wrought brass

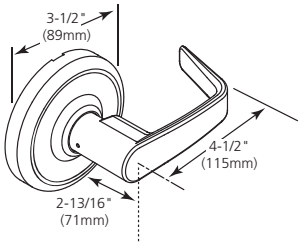




Newport

Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

NZD
Lever: Die cast zinc
Rose: Wrought brass

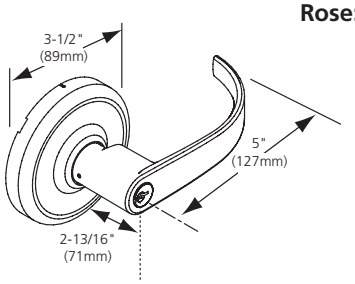




Princeton

Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

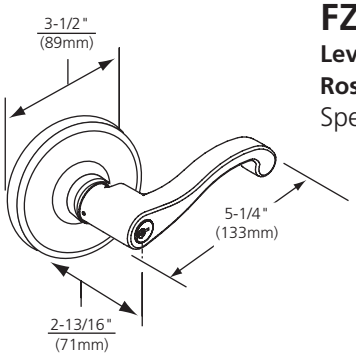
PZD
Lever: Die cast zinc
Rose: Wrought brass





Frascati

FZD
Lever: Die cast zinc
Rose: Wrought brass
Specify hand



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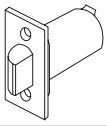
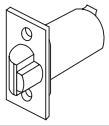
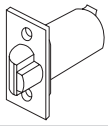
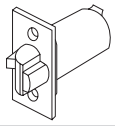
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Options & Accessories

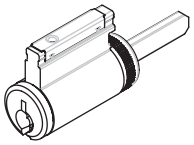
CL3300 Series

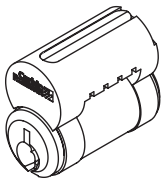
Latches

To order optional latch with lockset, see Quick Codes, pages 16-17.
To order latch separately, specify Part No. x Finish (e.g., 586F16 x 626).

Backset and Front Description	Plain For CL3320TO, CL3310	Deadlocking	Throw-Off For CL3320, CL3320H, CL3329, CL3340, CL3375,CL3393	3/4" (19mm) Throw Deadlocking Fire Latch for Pair of Doors
2-3/4" (70mm) Backset				
Square corner front, 2-1/4" (57mm) x 1-1/8" (29mm) (standard)	586F16	586F17	586F18	601F69 (Not available for CL3320, CL3329, CL3340, CL3375, CL3393) 605, 606 and 626 finishes available
Rounded corner front, 2-1/4"(57mm) x 1-1/8" (29mm)	596F66	596F67	596F68	Not available
3-3/4" (95mm) Backset				
Square corner front, 2-1/4" (57mm) x 1-1/8" (29mm)	586F80	586F81	586F82	Not available
Rounded corner front, 2-1/4" (57mm) x 1-1/8" (29mm)	586F86	586F87	586F88	Not available
5" (127mm) Backset				
Square corner front, 2-1/4" (57mm) x 1-1/8" (29mm)	598F20	598F21	598F22	Not available
Rounded corner front, 2-1/4" (57mm) x 1-1/8" (29mm)	601F24	601F25	601F26	Not available
				

Corbin Russwin Cylinders





Security Type	Pins	Standard Cylinder	Interchangeable Core
Conventional	6-Pin	2000-033 (standard)	8000
	7-Pin	2000-033-7	8000-7
Hotel	6-Pin	2001-034	8001-031
	7-Pin	2001-034-7	8001-031-7
Security	6-Pin	2010-033	8010
Pyramid - High Security	7-Pin	2020-033	8020
Pyramid - Security	7-Pin	2027-033	8027
Access 3® - Patented (AP)	6-Pin	2500-033	8500
Access 3® - Security (AS)	6-Pin	2600-033	8600
Access 3® - High Security (AHS)	6-Pin	2700-033	8700
Access 3® (AP) - Hotel Function	6-Pin	2501-034	N/A
Access 3® (AS) - Hotel Function	6-Pin	2601-034	N/A
Access 3® (AHS) - Hotel Function	6-Pin	2701-034	N/A

Plug diameter for standard cylinders is .509, .510 for Access 3®, .552 for security cylinders and .496 for Pyramid cylinders.
Cylinders are brass and come with 2 nickel silver keys.
Finishes for standard cylinders include 606 or 626. Finishes for interchangeable core cylinders include 605, 606, 611, 612, 613, 625, 626.

To order cylinders separately, specify Part No. x Keyway x Finish (e.g., 2000-033 x L4 x 626).

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Cylinders with Competitive Keyways*

Competitive Keyway	Number
Schlage® C (0-bitted)	2400-033-C
Schlage® C (keyed random)	2400-033-C-KR
Sargent® LA (0-bitted)	2400-033-LA

*All cylinders are 6-pin.

Levers That Accept Competitive Interchangeable Core Cylinders*

Cylinder Type	Quick Code	Part Number
SFIC 6 or 7-pin	Specify M08	682F958 Tailpiece Kit
Schlage® 6-pin LFIC	Specify M69	697F942 Tailpiece Kit

*Core not included.

Adapters Required to Accept Competitive Cylinders*

Competitive Cylinder	Part Number
Schlage® fixed core Conventional (21-002, 23-001, 23-013) or Primus® (20-548, 20-550, 20-748, 20-750)	682F39-8 Tailpiece included with **M06** option
Sargent® fixed core C10-1	682F96-9 Tailpiece kit and special lever included with **M09** option

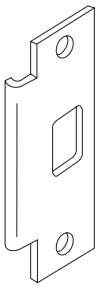
*Cylinder not included.

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Options & Accessories

CL3300 Series

Strikes



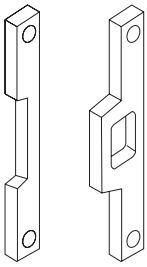
ANSI Curved Lip (standard)

Brass or stainless steel.

4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.

Optional lip lengths: 1" (25mm), 1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm).

To order separately, specify 217L13 x Lip Length x Finish.



Rabbeted Front and Strike

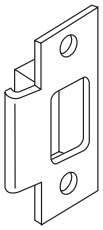
Brass or bronze.

4" (102mm) x 5/8" (16mm) for 1/2" (13mm) rabbet.

No optional lip lengths.

To order with lockset, see Quick Codes, page 16.

To order separately, specify 601F28 x Finish.



Curved Lip "T" Strike

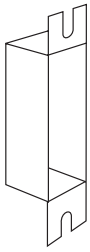
Brass.

2-3/4" (70mm) x 1-1/8" (29mm) x 1-1/4" (32mm) lip to center.

Optional lip lengths: 1" (25mm), 1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm).

To order with lockset, see Quick Codes, page 16.

To order separately, specify 586L19 x Lip Length x Finish.



ANSI Wrought Strike Box

To order with lockset, see Quick Codes, page 17.

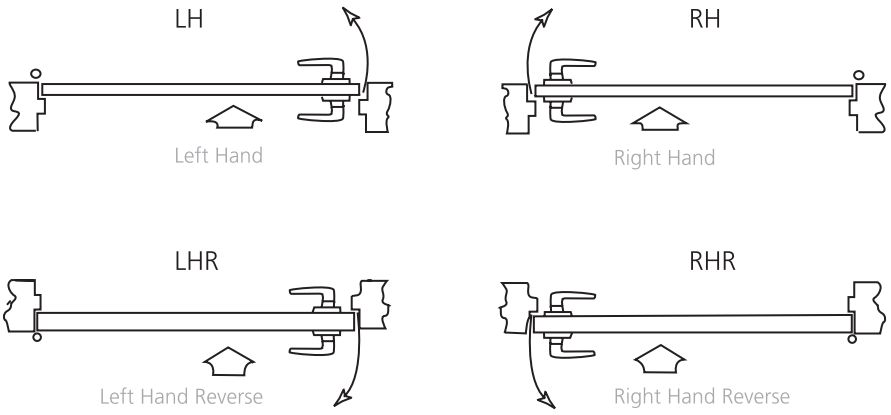
To order separately, specify 120F768.

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How to Order

CL3300 Series

Ordering Examples



Where to find ordering information and quick codes

Series/Function	Pages 5-7
Trim Designs	Page 11
Finish	Page 16
Door Thickness	Page 16
Backset	Page 16
Strike	Page 16
Cylinders and Keying	Page 16
Miscellaneous Options	Page 17
Electric Accessories	Page 17
Voltage	Page 17

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
100	CL3355	NZD	626	RHR

Split Trim / Finish Order

Quantity	Series/ Function	Trim		Finish		Hand
		Outside	Inside	Outside	Inside	
12	CL3355	NZD	AZD	626	625	LH

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Door Thickness	Backset	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	CL3355	NZD	626	RHR	D214	B334	SC114	M04-M16	C6	VKC3

Electrified CL33900 Series

Quantity	Series/Function	Trim	Finish	Hand	Voltage
6	CL33903	AZD	626	RH	12AD

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Corbin Russwin
ASSA ABLOY

Quick Codes

CL3300 Series

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with Temporary Construction Core (Red)	CT6R
IC 6-pin with Temporary Construction Core (Blue)	CT6B
IC 6-pin with Temporary Construction Core (Green)	CT6G
IC 6-pin less core[3]	CL6
SFIC 6- or 7-pin Small Format Disposable Core (NZD & PZD only)	CTSD
IC 7-pin	C7
IC 7-pin less core[3]	CL7
IC 7-pin with Temporary Construction Core (Red)	CT7R
IC 7-pin with Temporary Construction Core (Blue)	CT7B
IC 7-pin with Temporary Construction Core (Green)	CT7G
Security[3]	HS
Security IC[3]	CHS
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC[3]	ACP
Access 3® Security IC[3]	ACS
Access 3® High Security IC[3]	ACHS
Pyramid High Security Fixed Core[3]	PHS
Pyramid High Security IC[3]	PCHS
Pyramid IC Less Core[3]	CLP
Pyramid with temporary construction core[3]	CTP
Pyramid Security Fixed Core[3]	PS
Pyramid Security IC[3]	PCS
Pyramid Disposable Core[3]	CTPD
6-Pin Disposable Core[3]	CT6D
7-Pin Disposable Core[3]	CT7D
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
No bitting or keyset stamping on keys	VKC0
Keys only	VKC1
Cylinders and keys (not for HS, CHS, PHS or PCHS)	VKC2
Cylinders only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed key control (CKC)	
CKC cylinders with VKC keys	CKC2
CKC cylinders only (not for PHS, PCHS)	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)
Schlage® C keyway cylinder[1,3]	C
Sargent® LA keyway cylinder[2,3]	LA

1 Available 0-bitted & keyed random (KR) only
2 Available 0-bitted only
3 Not available in CL3329 functions

Finishes

Description		Specify
ANSI/BHMA 605 (US3)	Bright Brass	605
ANSI/BHMA 606 (US4)	Satin Brass	606
ANSI/BHMA 611 (US9)	Bright Bronze	611
ANSI/BHMA 612 (US10)	Satin Bronze	612
ANSI/BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed	613
613E	Dark Oxidized Satin Bronze - equivalent	613E
613L	Dark Oxidized Satin Bronze, Clear Coated	613L
ANSI/BHMA 618 (US14)	Bright Nickel Plated	618
ANSI/BHMA 619 (US15)	Satin Nickel Plated	619
619C	Satin Nickel Plated with MicroShield®	619C
ANSI/BHMA 625 (US26)	Bright Chromium Plated	625
ANSI/BHMA 626 (US26D)	Satin Chromium Plated	626
626C	Satin Chromium Plated with MicroShield®	626C
722	Black Oxidized Bronze, Oil Rubbed	722
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Zinc levers are plated to match BHMA finish.

Strikes

ANSI Lip to Center	ANSI Curved Lip Specify	T-Strike Curved Lip Box Specify
1" (25mm)	SA100	SC100
1-1/8" (29mm)	SA118	SC118
1-1/4" (32mm)	SA114 (standard)	SC114
1-3/8" (35mm)	SA138	SC138
1-1/2" (38mm)	SA112	SC112
1-3/4" (44mm)	SA134	SC134
2" (51mm)	SA200	SC200
2-1/4" (57mm)	SA214	SC214
2-1/2" (64mm)	SA212	SC212
2-3/4" (70mm)	SA234	SC234
3" (76mm)	SA300	SC300
Rabbeted front and strike		Specify SR118

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Quick Codes

CL3300 Series

Door Thickness

Door Thickness	Specify
1-3/4" (44mm) - 2" (51mm)	(standard)
Over 2" (51mm) - 2-1/4" (57mm)	D214

Backset

Description	Specify
2-3/4" (70mm)	(standard)
3-3/4" (95mm)	B334
5" (127mm)	B500

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws	M04
Less cylinder, with tailpiece for Schlage® cylinder	M06*
Lever to accept 6 or 7-pin SFIC (FZD, NZD & PZD design only)	M08*
Lever to accept Sargent® fixed core cylinder (all designs)	M09*
Lever to accept Schlage® LFIC (FZD, NZD & PZD design only)	M69*
Rounded corners on latch front	M13
3/4" (19mm) throw fire latch	M16
ANSI wrought strike box	M17
Knurling outside and inside	M20
Knurling outside only	M21
Knurling inside only	M22
Abrasive coat outside and inside	M23
Abrasive coat inside only	M24
Abrasive coat outside only	M25
Lead lining (roses)	M28
Request to Exit (REX) Switch (CL33900 only)	M92

*Not available in CL3329 functions

Electric Accessories

Description	Part Number
Power supply 1.0 Amp @ 12 VDC output	BPS-12-1
Power supply 3.0 Amp @ 12 VDC output	BPS-12-3
Power supply 1.0 Amp @ 24 VDC output	BPS-24-1
Power supply 2.0 Amp @ 24 VDC output	BPS-24-2

Voltage Options

Description	Specify
12 volt alternating current/direct current	12AD
24 volt alternating current/direct current	24AD

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How To Specify

CL3300 Series

CL3300 Series
Suggested Specification

All locksets shall be CL3300 Series Extra Heavy Duty Cylindrical Lever Lockets as manufactured by Corbin Russwin Architectural Hardware.

A single lock chassis shall accommodate 1-3/4" (44mm) to 2-1/4" (57mm) door thickness. Locksets shall be non-handed. Locksets shall have separate anti-rotation throughbolts, and shall have no exposed mounting screws.

Locksets shall have solid cast levers without plastic inserts. Levers shall operate independently, and shall have separate inside and outside lever return springs to prevent lever sag. Outside lever handles shall be a minimum of 4-5/8" (117mm) in length and shall provide a minimum of 2" (51mm) clearance from the surface of the door to the inside of the lever at the midpoint. Outside lever handles may return to within 1/2" (13mm) of the door surface. Levers on keyed locksets shall be removable only when the designated key is in the cylinder.

When the outside lever is locked, it shall rotate freely and it shall return to its horizontal position when released.

A single lockset shall accommodate 6 or 7-pin conventional cylinders and all levels of master keying, construction master keying, visual key control, security, high security and interchangeable core. Cylinders may be easily changed by removing the lever without disassembling the lockset.

A 3/4" (19mm) throw latchbolt for pairs of fire doors shall be available. All locksets with a 1/2" (13mm) throw latchbolt shall be listed by Underwriters Laboratories for A label and lesser class single doors, 4' x 10'. All locksets with 3/4" (19mm) throw latchbolt shall be UL listed for A label and lesser class pairs of doors, 8' x 10'.

Certification:
Federal Specification FF-H-106C
ANSI/BHMA A156.2 Series 4000, Grade 1
ANSI A117.1 Accessibility Code
California State Reference Code (formerly Title 19, California State Fire Marshal Standard).

Locksets shall carry a seven-year limited warranty.

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CL33900 Electrified Series Suggested Specification

All locksets shall be CL33900 Series Extra Heavy Duty Cylindrical Lever Lockets as manufactured by Corbin Russwin Architectural Hardware.

A single lock chassis shall accommodate 1-3/4" (44mm) to 2-1/4" (57mm) door thickness. Locksets shall be non-handed. Locksets shall have separate anti-rotation throughbolts, and shall have no exposed mounting screws.

Locksets shall have solid cast levers without plastic inserts. Levers shall operate independently, and shall have separate inside and outside lever return springs to prevent lever sag. Outside lever handles shall be a minimum of 4-5/8" (117mm) in length and shall provide a minimum of 2" (51mm) clearance from the surface of the door to the inside of the lever at the midpoint. Outside lever handles may return to within 1/2" (13mm) of the door surface. Levers on keyed locksets shall be removable only when the designated key is in the cylinder.

When the outside lever is locked, it shall rotate freely and it shall return to its horizontal position when released.

The CL33900 Series shall be available 12 or 24 volt AC and DC (rectifier to be included) and Fail Safe or Fail Secure. The locking solenoid shall be continuous duty and self-contained in the lock chassis.

A single lockset shall accommodate 6 or 7-pin conventional cylinders and all levels of master keying, construction master keying, visual key control, security, high security and interchangeable core. Cylinders may be easily changed by removing the lever without disassembling the lockset.

A 3/4" (19mm) throw latchbolt for pairs of fire doors shall be available. All locksets with a 1/2" (13mm) throw latchbolt shall be listed by Underwriters Laboratories for A label and lesser class single doors, 4' x 10'. All locksets with 3/4" (19mm) throw latchbolt shall be UL listed for A label and lesser class pairs of doors, 8' x 10'.

Certification:
Federal Specification FF-H-106C
ANSI/BHMA A156.2 Series 4000, Grade 1
ANSI A117.1 Accessibility Code
California State Reference Code (formerly Title 19, California State Fire Marshal Standard)

Electrified locksets shall carry a two-year limited warranty.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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For additional information, contact your ASSA ABLOY Door Security Solutions sales consultant or visit **www.corbinrusswin.com.**

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MicroShield™

MicroShield®
As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, registered with the EPA and FDA. Microshield® is a silver-based antimicrobial coating designed to inhibit the growth of bacteria. MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

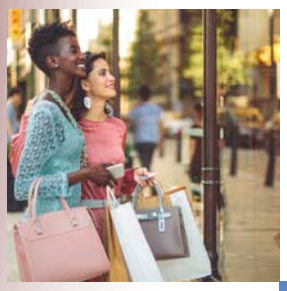
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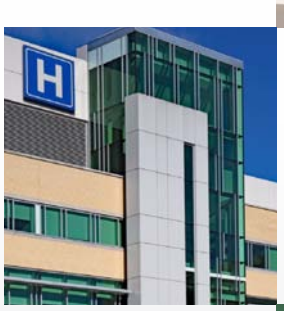
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CL3300 Series

Cylindrical Lever Locksets

Product Catalog

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Overview

CL3300 Series



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Quality

The CL3300 series is a Grade 1 cylindrical lockset manufactured with the highest quality materials to ensure strength, durability and quiet operation. Available in all standard architectural finishes and four lever designs, the CL3300 series subtly complements any high-use commercial, industrial and institutional application.

Classroom Security

The CL3352 Classroom Intruder function is the solution to classroom security: a double cylinder lockset that allows locking of the outside lever from either side. Egress is always possible with the standard anti-panic feature, whether the door is locked or not. And because a key is needed to secure the door from either side, students cannot lock a teacher out of the classroom.

Vandal Resistance

Engineered to meet today's increased security needs, the CL3300 series offers several advantages. All functions feature the Lever Release™ design for vandal resistance, allowing the outside lever to rotate when in the locked position.

Access Control

For access control, the CL33900 Series Electrified Cylindrical lockset utilizes the proven CL3300 series lockset and features an integral continuous duty solenoid that allows installation in a standard cylindrical prep. Available in Fail Safe or Fail Secure, the CL33900 is ideal for door control where increased security is necessary at all times, while meeting life safety codes.

Key Advantages

- EZ-Install components significantly reduce installation time
- Lever Release™ lever design for vandal resistance
- Several security key systems available (Access 3®, Pyramid, etc.)
- Access control available with CL33900 Electrified lockset
- ElectroLynx® connectors are standard on all Corbin Russwin electrified products. McKinney QC hinges are recommended to make a complete plug and play application.
- Independent return springs prevent lever sag
- Covers ANSI/BHMA Door Prep A156.115

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Features

CL3300 Series

Features

Handing
Non-handed (Except FZD trim)

Door Thickness
1-3/4" (44mm) - 2" (51mm) standard.
Optional: Over 2"(51mm) - 2-1/4" (57mm); see Quick Codes, page 16.

Lock Chassis
Steel, zinc dichromated for corrosion resistance.

Backset
2-3/4" (70mm) standard.
Optional: 3-3/4" (95mm) and 5" (127mm); see Quick Codes, page 16.

Latchbolt
Stainless Steel, 1/2" (13mm) throw.
Optional: 3/4" (19mm) throw deadlocking fire latch for pair of doors; see Quick Codes, page 17.

Auxiliary Latchbolt

Deadlocking latchbolt prevents manipulation when door is closed.

Front
Wrought brass, bronze, or stainless steel, 2-1/4" (57mm) x 1-1/8" (29mm).
Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).
Optional: rounded corners; see Quick Codes, page 17.

Strike
Wrought brass or stainless steel ANSI curved lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Cylinder
Brass, 6-pin L4 keyway, 0-bitted standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
Interchangeable core (IC)
Security
Security IC (not available with CL3329)
Pyramid (not available with CL3329)
Pyramid IC (not available with CL3329)
Access 3®
Access 3® IC (not available with CL3329)

Keys
Two nickel silver standard.

Warranty
Seven-year limited.

Classroom Security



The CL3352 Classroom Intruder function lockset allows locking of the outside lever from either side with the key. In a panic situation, the Key Turn Indicator serves as a quick reference for locking the door. And egress is always possible with the "anti-panic" feature, which keeps the outside lever locked if the inside lever is activated.

MicroShield®
CL3300 series locks are available with MicroShield® antimicrobial coating. *MicroShield* is a revolutionary hardware finish coating, using a silver ion based technology, which inhibits the growth of bacteria, algae, yeast, fungus, mold and mildew. *MicroShield* is non-toxic and lasts for the lifetime of the finish to which it is applied. To order, suffix option code "C".
Note: MicroShield® coating may vary finish color from architectural standards. *MicroShield* is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated product must still be cleaned to insure the surfaces will be free of destructive microbes. Corbin Russwin makes no representations or warranties, express or implied, as to the efficacy of the *MicroShield* antimicrobial.

Windstorm/Hurricane Certified
(refer to local codes).

Hurricane

Certification/Compliance

ANSI/BHMA
Certified A156.2 Series 4000, Grade 1. BHMA CERTIFIED
Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard)
All levers with returns comply; levers return to within 1/2" (13mm) of door face.

UL-cUL
All locks with 1/2" (13mm) throw latchbolt listed for A label and lesser class 4' x 10' single doors. All locks with 3/4" (19mm) throw latchbolt listed for A label and lesser class 8' x 10' pairs of doors. Letter F and UL symbol on latch front indicate listing.

Any retrofit or other field modification to a fire-rated opening can potentially impact the fire-rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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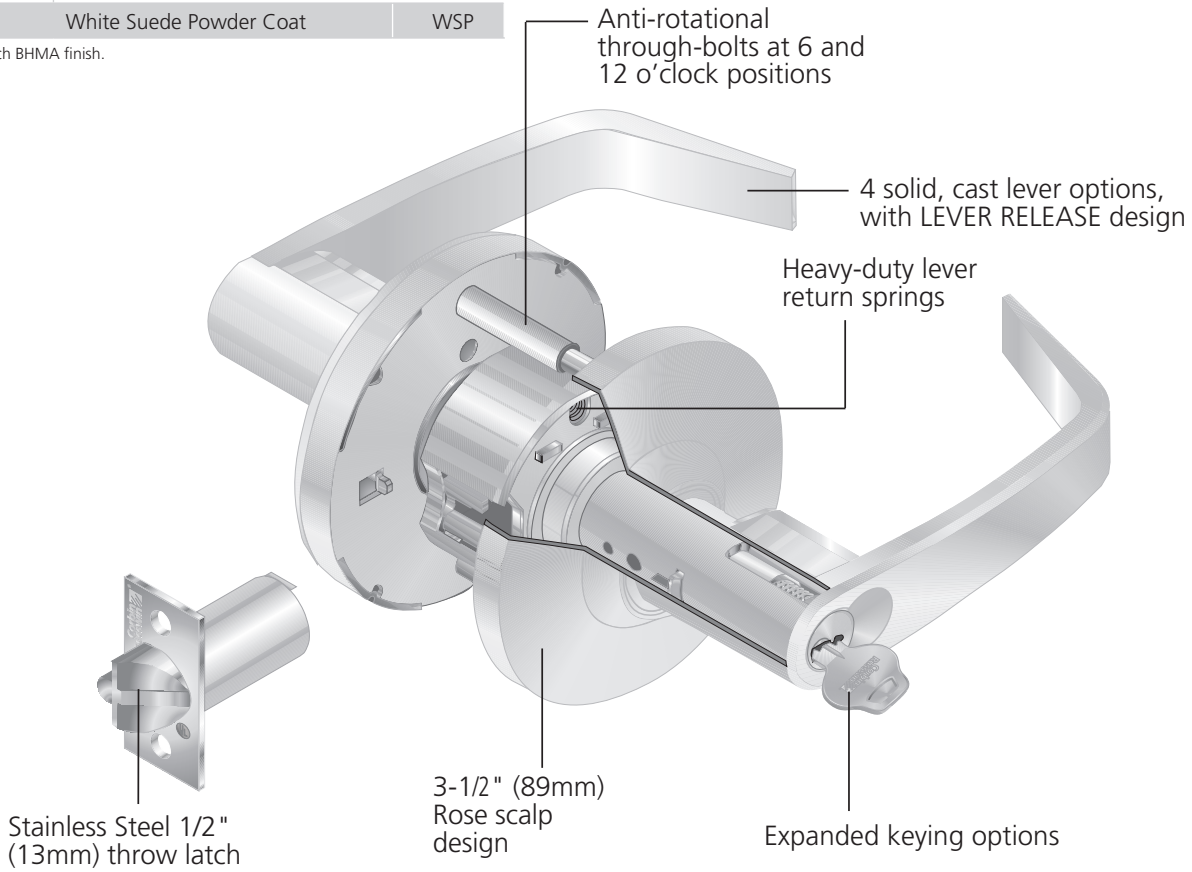
Features

CL3300 Series

Finishes

Description		Specify
ANSI/BHMA 605 (US3)	Bright Brass	605
ANSI/BHMA 606 (US4)	Satin Brass	606
ANSI/BHMA 611 (US9)	Bright Bronze	611
ANSI/BHMA 612 (US10)	Satin Bronze	612
ANSI/BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed	613
613E	Dark Oxidized Satin Bronze - equivalent	613E
613L	Dark Oxidized Satin Bronze, Clear Coated	613L
ANSI/BHMA 618 (US14)	Bright Nickel Plated	618
ANSI/BHMA 619 (US15)	Satin Nickel Plated	619
619C	Satin Nickel Plated with MicroShield®	619C
ANSI/BHMA 625 (US26)	Bright Chromium Plated	625
ANSI/BHMA 626 (US26D)	Satin Chromium Plated	626
626C	Satin Chromium Plated with MicroShield®	626C
ANSI/BHMA 722	Black Oxidized Bronze, Oil Rubbed	722
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Zinc levers are plated to match BHMA finish.

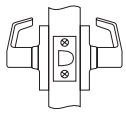
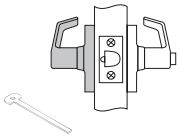
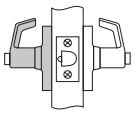
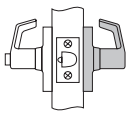
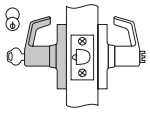
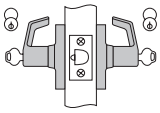
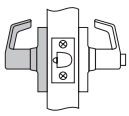
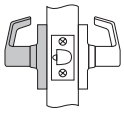


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Functions

CL3300 Series

Outside Inside	Series/Function	Type	ANSI No.	Function Description
	CL3310	Passage or Closet	F75	• Latchbolt by lever either side. • Both levers always free.
	CL3320	Privacy, Bedroom or Bathroom	F76A	• Throw-off latchbolt by lever. • Outside lever locked by push button. (Lever handle is freewheeling in locked position.) • Outside lever unlocked by emergency release tool outside, by rotating inside lever or by closing door. • Inside lever always free.
	CL3320H	Hospital Privacy	—	• Outside lever locked by inside push button. (Lever handle is freewheeling in locked position.) • Outside lever unlocked by simultaneously depressing outside pushbutton while rotating lever. • Rotating inside lever or closing door also unlocks outside lever. • Outside lever handle is freewheeling when locked.
	CL3320TO	Time Out Lock	—	• Deadlocking latchbolt by lever either side (passage) unless push button depressed and held by caretaker (detention side becomes freewheeling). Lock returns to passage mode upon release of push button. • Push button automatically releases when caretaker releases push button. • Both levers always free.
	CL3329	Hotel or Motel	F93	• Throw-off latchbolt by lever inside or by key outside. • Push button shuts out all keys except emergency key, and projects occupancy indicator in face of cylinder. (Lever handle is freewheeling in locked position.) • Push button released by turning inside lever or by closing door.* • Outside lever always locked. • Inside lever always free. • Not available with other manufacturers keyways
	CL3332	Institutional or Utility	F87	• Deadlocking latchbolt by key either side. (Lever handles are freewheeling in locked position.) • Should be used only in office or room with multiple entries.
	CL3340	Patio or Privacy	F77	• Throw-off latchbolt by lever. • Outside lever locked by push button. (Lever handle is freewheeling in locked position.) • Inside lever always free. • Should not be used in rooms that have no other entrance.
	CL3340NT	Exit Latch	F89	• Deadlocking latchbolt by lever inside. • Outside lever always locked. (Lever handle is freewheeling in locked position.) • Inside lever always free.



Indicates optional interchangeable core available; see Quick Codes, page 16.

Indicates freewheeling lever in locked position.

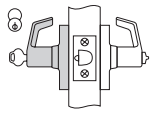
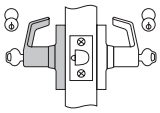
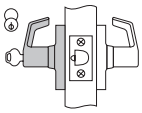
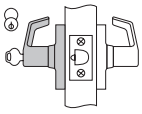
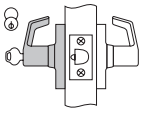
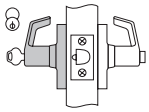
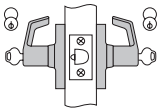
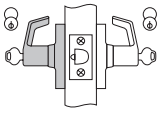
*Unless push button has been fixed in locked position by spanner key (furnished). When push button is fixed by spanner key, lock is operable only by emergency key or by display key.

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Corbin Russwin
ASSA ABLOY

Functions

CL3300 Series

Outside Inside	Series/Function	Type	ANSI No.	Function Description
	CL3351	Entrance or Office	F109	• Deadlocking latchbolt by lever either side, except when turn button locks outside lever. Pushing turn button in locks outside lever, requiring use of key outside to unlock. (Lever handle is freewheeling in locked position.) • Turning inside lever unlocks outside lever. • Pushing in and turning button locks outside lever, requiring key at all times. Turning inside lever does not unlock outside lever until button is manually turned to unlocked position. • Inside lever always free.
	CL3352	Classroom Intruder	F110	• Deadlocking latchbolt by inside lever or outside lever except when key inside or outside locks outside lever. (Lever handle is freewheeling in the locked position.) • Outside lever is locked and unlocked by turning the key in the inside or outside lever. • Inside lever always free.
	CL3355	Classroom	F84	• Deadlocking latchbolt by lever either side, except when key outside locks outside lever. (Lever handle is freewheeling in locked position.) • Outside lever unlocked by key outside. • Inside lever always free.
	CL3357	Storeroom or Closet	F86	• Deadlocking latchbolt by key in outside lever or by rotating inside lever. (Lever handle is freewheeling in locked position.) • Inside lever always free.
	CL3359	Barrier Free Storeroom or Public Restroom	—	• Deadlocking latchbolt by inside lever. • Key outside unlocks outside lever to retract latchbolt. • Key is retained in unlock mode. • When key is removed outside lever is locked. (Lever handle is freewheeling in locked position.) • Inside lever always free.
	CL3361	Entry or Office	F82A	• Deadlocking latchbolt by lever either side, except when push button locks outside lever. • Push button released by turning inside lever or by key in outside lever. (Lever handle is freewheeling in locked position.) • Closing door does not release push button. • Inside lever always free.
	CL3362	Communicating	F80	• Deadlocking latchbolt by lever either side, except when key in either lever locks and unlocks the lever independently of the other. (Lever handle is freewheeling in locked position.) • Keyed alike unless otherwise specified. • Should be used only in office or room with multiple entries.
	CL3372	Apartment, Exit or Public Toilet	F88	• Deadlocking latchbolt by lever either side, except when key inside locks outside lever. (Lever handle is freewheeling in locked position.) • Key outside retracts latchbolt. • Key inside unlocks outside lever. • Inside lever always free. • Keyed alike unless otherwise specified.

 Indicates optional interchangeable core available; see Quick Codes, page 16.

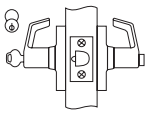
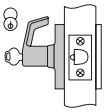
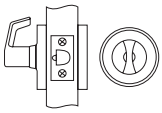
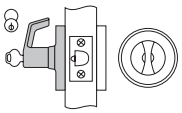
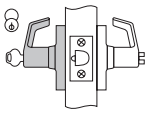
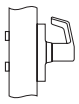
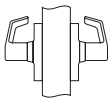
 Indicates freewheeling lever in locked position.

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Corbin Russwin
ASSA ABLOY

Functions

CL3300 Series

Outside Inside	Series/Function	Type	ANSI No.	Function Description
	CL3375	Corridor/ Dormitory Lock	F90	• Throw-off latchbolt by lever either side except when pushbutton or key locks outside lever. • Pushbutton released by turning inside lever or by closing door. • Depressed pushbutton indicates door is locked. • When outside lever is locked by key, it can only be unlocked by key. • Inside lever always free. • Outside lever rigid when locked.
	CL3380	Passage Lever x Blank Plate	F111	• Deadlocking latchbolt by lever. • Lever on one side; blank plate on other side. • Lever always free. • For single or double communicating doors.
	CL3381	Keyed Lever x Blank Plate	F113	• Deadlocking latchbolt by lever, except when lever is locked by key. (Lever handle is freewheeling in locked position.) • Lever on one side; blank plate on other side. • Key unlocks lever
	CL3390	Passage Lever x Turnpiece	—	• Deadlocking latchbolt by lever or by turnpiece. • Lever on one side; turnpiece on other side. • Lever and turnpiece always free.
	CL3391	Keyed Lever x Turnpiece	—	• Deadlocking latchbolt by lever or turnpiece, except when lever is locked by key. • When lever is locked, latchbolt is operated by key in lever or by turnpiece. (Lever handle is freewheeling in locked position.) • Lever on outside; turnpiece on inside. • Turnpiece always free.
	CL3393	Service Station	F92	• Throw-off latchbolt by lever. • Outside lever locked by slotted push button. (Lever handle is freewheeling in locked position.) • When slotted push button is pushed in and turned, outside lever becomes freewheeling and deadlocking latch is activated. Outside lever is unlocked by using key or by rotating inside lever, when slotted push button returned to original position. • Inside lever always free.
	CL3350	Half Dummy Trim	—	• Lever acts as pull only; no operation. • Lever is rigid.
	CL3370	Full Dummy Trim	—	• Levers act as pulls only; no operation. • Levers are rigid.



Indicates optional interchangeable core available; see Quick Codes, page 16.

Indicates freewheeling lever in locked position.

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CL33900 Electrified Lockset

CL3300 Series

Applications

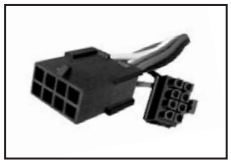
Provides remote locking and unlocking, utilizing the proven CL3300 Series Cylindrical Lockset. Ideal for door control where increased security is necessary at all times, while meeting life safety codes.

- Stairwell towers
- Tenant space
- Pharmacies
- Computer rooms
- High-security areas

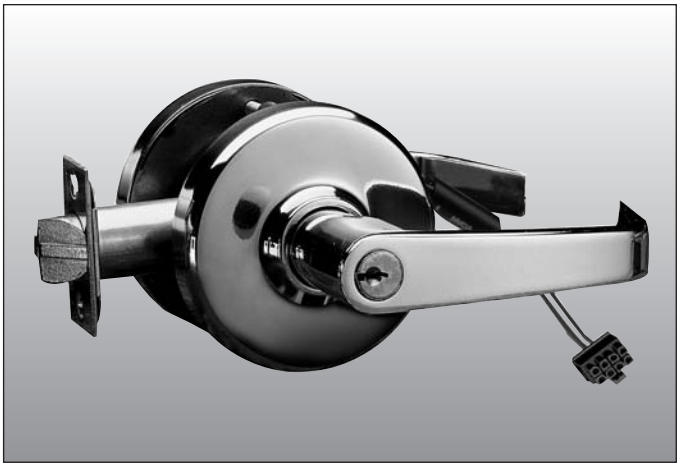
Advantages

- Utilizes the CL3300 Series Cylindrical Lockset with Lever Release™ Mechanism
- Self-contained integral solenoid allows installation in modified cylindrical prep
- Minimal power requirements – device is designed to lock or unlock as the situation demands
- Available in either 12 or 24VAC/VDC
- Mechanical cylinder override
- Fail Safe and Fail Secure mode available
- Optional M92 Request to Exit (REX) switch
- ElectroLynx® 8-pin connector

ElectroLynx®



ElectroLynx®, a new quick-connect feature of ASSA ABLOY Group companies, takes the guesswork out of installing electrified door hardware products. It's ... Hardwiring Made Easy. By using standard "plug and play" connectors, a simple "click" links power from the incoming source to electrified locking products, including hinges, locks, exit devices, magnetic holders, and strikes. What normally takes an hour or more can be connected in virtually minutes.



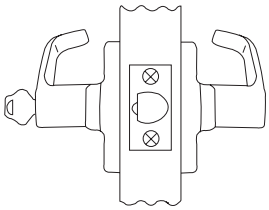
Securitron PowerJump™ ICPT



The Securitron PowerJump ICPT Inductive Coupling Power Transfer delivers power contactlessly and invisibly between the frame and door to power electrified hardware on the door. The PowerJump can be installed at the latch side or hinge side of the door and transfers up to 6 watts of power without pins or wires across the door gap, eliminating points of vulnerability and wear … and no need to core drill the door. The PowerJump is field selectable for 12VDC or 24VDC systems and is ideal for fail secure applications. The unit can hold electrified latches open in continuous duty or can momentarily energize the lockset for latch retraction.

Additional information regarding this product can be found at www.securitron.com

Functions

Outside	Inside	Series/Function	Function Description
		CL33903	Fail Safe • Deadlocking latchbolt by lever either side except when power on locks outside lever • Power off/unlocks outside lever • Inside lever always free • Latchbolt retracted by key when locked electrically
		CL33905	Fail Secure • Deadlocking latchbolt by lever either side except when power off locks outside lever • Power on/unlocks outside lever • Inside lever always free • Latchbolt retracted by key when power is off

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Corbin Russwin
ASSA ABLOY

CL33900 Electrified Lockset

CL3300 Series

Features

Non-Handed (Except FZD trim)

Door Thickness
1-3/4" (44mm) - 2" (51mm) standard.
Optional: Over 2" (51mm) - 2-1/4" (57mm); see Quick Codes, page 16.

Lock Chassis
Steel, zinc dichromated for corrosion resistance.

Backset
2-3/4" (70mm) standard.
Optional: 3-3/4" (95mm) and 5" (127mm); see Quick Codes, page 16.

Latchbolt
Stainless Steel, 1/2" (13mm) throw.
Optional: 3/4" (19mm) throw deadlocking fire latch for pair of doors; see Quick Codes, page 17.

Auxiliary Latchbolt
Deadlocking latchbolt prevents manipulation when door is closed.

Front
Wrought brass or bronze, 2-1/4" (57mm) x 1-1/8" (29mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).
Optional: rounded corners; see Quick Codes, page 17.

Strike
Wrought brass, bronze, or stainless steel, ANSI curved lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, pages 16.

Trims
Available with all lever designs: Armstrong, Newport, Princeton, Frascati.

Cylinder
Brass, 6-pin L4 keyway, 0-bitted standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
Interchangeable core (IC)
Security
Security IC
Pyramid
Pyramid IC
Access 3®
Access 3® IC

Keys
Two nickel silver standard.

Voltage
Locks are universal for AC or DC. Available with 12VAC/DC or 24VAC/DC. See Quick Codes, page 17.

Electrical Specifications
250mA @ 12VAC/VDC
150mA @ 24VAC/VDC
Continuous duty solenoid.

Monitoring Option
M92 - Request to Exit Monitoring (Non-Handed)
Request to Exit monitoring is a SPDT switch which monitors the activation of the trim.

Warranty
Two-year limited.

Certification/Compliance

ANSI/BHMA
Meets A156.2 Series 4000, Grade 1.
Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard)
All levers with returns comply; levers return to within 1/2" (13mm) of door face.

UL-cUL
All locks with 1/2" (13mm) throw latchbolt listed for A label and lesser class 4' x 10' single doors. All locks with 3/4" (19mm) throw latchbolt listed for A label and lesser class 8' x 10' pairs of doors. Letter F and UL symbol on latch front indicate listing.

Finishes

Description		Specify
ANSI/BHMA 605 (US3)	Bright Brass	605
ANSI/BHMA 606 (US4)	Satin Brass	606
ANSI/BHMA 611 (US9)	Bright Bronze	611
ANSI/BHMA 612 (US10)	Satin Bronze	612
ANSI/BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed	613
613E	Dark Oxidized Satin Bronze - equivalent	613E
613L	Dark Oxidized Satin Bronze, Clear Coated	613L
ANSI/BHMA 618 (US14)	Bright Nickel Plated	618
ANSI/BHMA 619 (US15)	Satin Nickel Plated	619
619C	Satin Nickel Plated with MicroShield®	619C
ANSI/BHMA 625 (US26)	Bright Chromium Plated	625
ANSI/BHMA 626 (US26D)	Satin Chromium Plated	626
626C	Satin Chromium Plated with MicroShield®	626C
722	Black Oxidized Bronze, Oil Rubbed	722
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Zinc levers are plated to match BHMA finish.

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CL33900 Electrified Lockset

CL3300 Series

Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With *ElectroLynx*, doorway components come pre-wired for easy hookup to the power source. Key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx:

- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect a CL33900 series electrified cylindrical lock to the electronic access control system, the following items are required:

- CL33900 series electrified cylindrical lock
- ASSA ABLOY Door Group pre-wired door, or *ElectroLynx* retrofit cable (order from McKinney)
- Electronic transfer device (*ElectroLynx* electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKinney)
- *ElectroLynx* cable from the hinge to above the ceiling (order from McKinney)

Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

The McKinney QC8 *ElectroLynx* Hinge is recommended for the CL33903 function, the CL33905 function and the M92 (REX) option.

BPS Power Supply

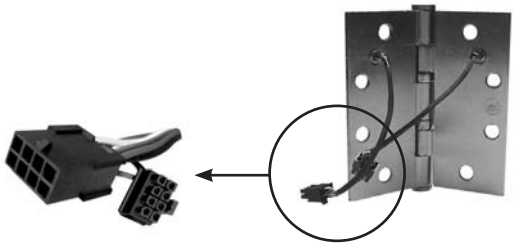
Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. All modular power supplies are voltage specific and are designed to meet UL 1481 Standards.

Features

- Fire panel emergency release input
- PC Board mounted system LED indicator
- Voltage specific 12 or 24VDC
- Regulated and filtered with input and output protection
- Battery charging is provided from a separate output terminal

Model	Input	Output
BPS-12-1	115VAC @ 50/60 Hz	1 Amp @ 12VDC
BPS-12-3		3 Amp @ 12VDC
BPS-24-1	115VAC @ 50/60 Hz	1 Amp @ 24VDC
BPS-24-2		2 Amp @ 24VDC





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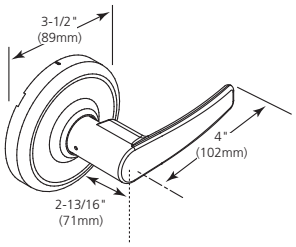
Trim Designs

CL3300 Series



Armstrong

AZD
Lever: Die cast zinc
Rose: Wrought brass

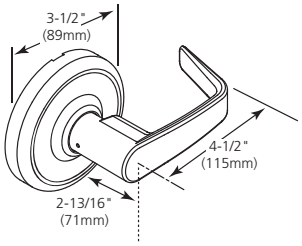




Newport

Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

NZD
Lever: Die cast zinc
Rose: Wrought brass

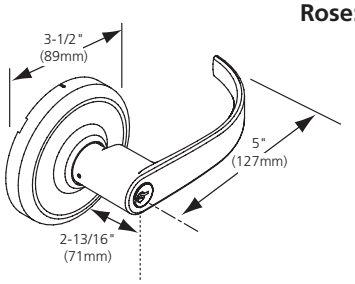




Princeton

Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

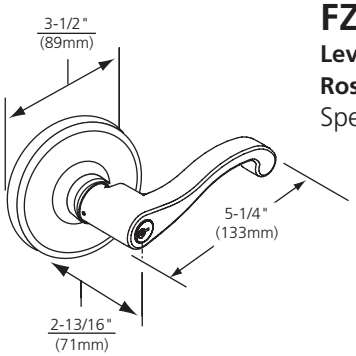
PZD
Lever: Die cast zinc
Rose: Wrought brass





Frascati

FZD
Lever: Die cast zinc
Rose: Wrought brass
Specify hand



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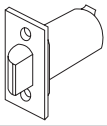
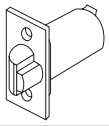
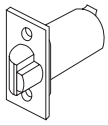
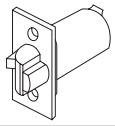
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Options & Accessories

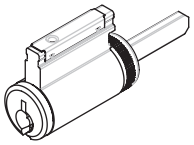
CL3300 Series

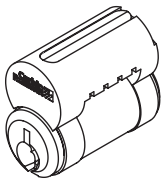
Latches

To order optional latch with lockset, see Quick Codes, pages 16-17.
To order latch separately, specify Part No. x Finish (e.g., 586F16 x 626).

Backset and Front Description	Plain For CL3320TO, CL3310	Deadlocking	Throw-Off For CL3320, CL3320H, CL3329, CL3340, CL3375,CL3393	3/4" (19mm) Throw Deadlocking Fire Latch for Pair of Doors
2-3/4" (70mm) Backset				
Square corner front, 2-1/4" (57mm) x 1-1/8" (29mm) (standard)	586F16	586F17	586F18	601F69 (Not available for CL3320, CL3329, CL3340, CL3375, CL3393) 605, 606 and 626 finishes available
Rounded corner front, 2-1/4"(57mm) x 1-1/8" (29mm)	596F66	596F67	596F68	Not available
3-3/4" (95mm) Backset				
Square corner front, 2-1/4" (57mm) x 1-1/8" (29mm)	586F80	586F81	586F82	Not available
Rounded corner front, 2-1/4" (57mm) x 1-1/8" (29mm)	586F86	586F87	586F88	Not available
5" (127mm) Backset				
Square corner front, 2-1/4" (57mm) x 1-1/8" (29mm)	598F20	598F21	598F22	Not available
Rounded corner front, 2-1/4" (57mm) x 1-1/8" (29mm)	601F24	601F25	601F26	Not available
				

Corbin Russwin Cylinders





Security Type	Pins	Standard Cylinder	Interchangeable Core
Conventional	6-Pin	2000-033 (standard)	8000
	7-Pin	2000-033-7	8000-7
Hotel	6-Pin	2001-034	8001-031
	7-Pin	2001-034-7	8001-031-7
Security	6-Pin	2010-033	8010
Pyramid - High Security	7-Pin	2020-033	8020
Pyramid - Security	7-Pin	2027-033	8027
Access 3® - Patented (AP)	6-Pin	2500-033	8500
Access 3® - Security (AS)	6-Pin	2600-033	8600
Access 3® - High Security (AHS)	6-Pin	2700-033	8700
Access 3® (AP) - Hotel Function	6-Pin	2501-034	N/A
Access 3® (AS) - Hotel Function	6-Pin	2601-034	N/A
Access 3® (AHS) - Hotel Function	6-Pin	2701-034	N/A

Plug diameter for standard cylinders is .509, .510 for Access 3®, .552 for security cylinders and .496 for Pyramid cylinders.
Cylinders are brass and come with 2 nickel silver keys.
Finishes for standard cylinders include 606 or 626. Finishes for interchangeable core cylinders include 605, 606, 611, 612, 613, 625, 626.

To order cylinders separately, specify Part No. x Keyway x Finish (e.g., 2000-033 x L4 x 626).

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Cylinders with Competitive Keyways*

Competitive Keyway	Number
Schlage® C (0-bitted)	2400-033-C
Schlage® C (keyed random)	2400-033-C-KR
Sargent® LA (0-bitted)	2400-033-LA

*All cylinders are 6-pin.

Levers That Accept Competitive Interchangeable Core Cylinders*

Cylinder Type	Quick Code	Part Number
SFIC 6 or 7-pin	Specify M08	682F958 Tailpiece Kit
Schlage® 6-pin LFIC	Specify M69	697F942 Tailpiece Kit

*Core not included.

Adapters Required to Accept Competitive Cylinders*

Competitive Cylinder	Part Number
Schlage® fixed core Conventional (21-002, 23-001, 23-013) or Primus® (20-548, 20-550, 20-748, 20-750)	682F39-8 Tailpiece included with **M06** option
Sargent® fixed core C10-1	682F96-9 Tailpiece kit and special lever included with **M09** option

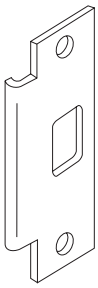
*Cylinder not included.

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Options & Accessories

CL3300 Series

Strikes



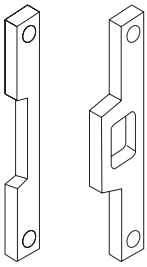
ANSI Curved Lip (standard)

Brass or stainless steel.

4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.

Optional lip lengths: 1" (25mm), 1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm).

To order separately, specify 217L13 x Lip Length x Finish.



Rabbeted Front and Strike

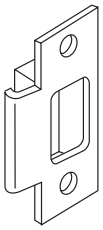
Brass or bronze.

4" (102mm) x 5/8" (16mm) for 1/2" (13mm) rabbet.

No optional lip lengths.

To order with lockset, see Quick Codes, page 16.

To order separately, specify 601F28 x Finish.



Curved Lip "T" Strike

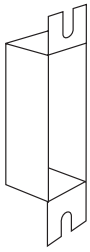
Brass.

2-3/4" (70mm) x 1-1/8" (29mm) x 1-1/4" (32mm) lip to center.

Optional lip lengths: 1" (25mm), 1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm).

To order with lockset, see Quick Codes, page 16.

To order separately, specify 586L19 x Lip Length x Finish.



ANSI Wrought Strike Box

To order with lockset, see Quick Codes, page 17.

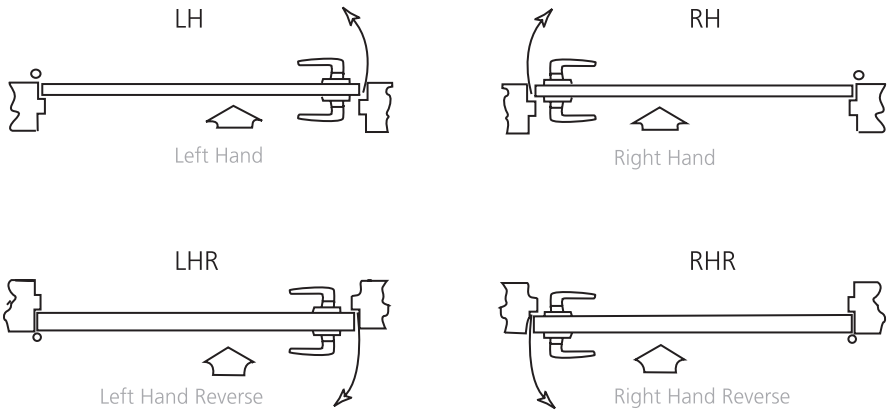
To order separately, specify 120F768.

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How to Order

CL3300 Series

Ordering Examples



Where to find ordering information and quick codes

Series/Function	Pages 5-7
Trim Designs	Page 11
Finish	Page 16
Door Thickness	Page 16
Backset	Page 16
Strike	Page 16
Cylinders and Keying	Page 16
Miscellaneous Options	Page 17
Electric Accessories	Page 17
Voltage	Page 17

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
100	CL3355	NZD	626	RHR

Split Trim / Finish Order

Quantity	Series/ Function	Trim		Finish		Hand
		Outside	Inside	Outside	Inside	
12	CL3355	NZD	AZD	626	625	LH

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Door Thickness	Backset	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	CL3355	NZD	626	RHR	D214	B334	SC114	M04-M16	C6	VKC3

Electrified CL33900 Series

Quantity	Series/Function	Trim	Finish	Hand	Voltage
6	CL33903	AZD	626	RH	12AD

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Quick Codes

CL3300 Series

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with Temporary Construction Core (Red)	CT6R
IC 6-pin with Temporary Construction Core (Blue)	CT6B
IC 6-pin with Temporary Construction Core (Green)	CT6G
IC 6-pin less core[3]	CL6
SFIC 6- or 7-pin Small Format Disposable Core (NZD & PZD only)	CTSD
IC 7-pin	C7
IC 7-pin less core[3]	CL7
IC 7-pin with Temporary Construction Core (Red)	CT7R
IC 7-pin with Temporary Construction Core (Blue)	CT7B
IC 7-pin with Temporary Construction Core (Green)	CT7G
Security[3]	HS
Security IC[3]	CHS
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC[3]	ACP
Access 3® Security IC[3]	ACS
Access 3® High Security IC[3]	ACHS
Pyramid High Security Fixed Core[3]	PHS
Pyramid High Security IC[3]	PCHS
Pyramid IC Less Core[3]	CLP
Pyramid with temporary construction core[3]	CTP
Pyramid Security Fixed Core[3]	PS
Pyramid Security IC[3]	PCS
Pyramid Disposable Core[3]	CTPD
6-Pin Disposable Core[3]	CT6D
7-Pin Disposable Core[3]	CT7D
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
No bitting or keyset stamping on keys	VKC0
Keys only	VKC1
Cylinders and keys (not for HS, CHS, PHS or PCHS)	VKC2
Cylinders only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed key control (CKC)	
CKC cylinders with VKC keys	CKC2
CKC cylinders only (not for PHS, PCHS)	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)
Schlage® C keyway cylinder[1,3]	C
Sargent® LA keyway cylinder[2,3]	LA

1 Available 0-bitted & keyed random (KR) only
2 Available 0-bitted only
3 Not available in CL3329 functions

Finishes

Description		Specify
ANSI/BHMA 605 (US3)	Bright Brass	605
ANSI/BHMA 606 (US4)	Satin Brass	606
ANSI/BHMA 611 (US9)	Bright Bronze	611
ANSI/BHMA 612 (US10)	Satin Bronze	612
ANSI/BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed	613
613E	Dark Oxidized Satin Bronze - equivalent	613E
613L	Dark Oxidized Satin Bronze, Clear Coated	613L
ANSI/BHMA 618 (US14)	Bright Nickel Plated	618
ANSI/BHMA 619 (US15)	Satin Nickel Plated	619
619C	Satin Nickel Plated with MicroShield®	619C
ANSI/BHMA 625 (US26)	Bright Chromium Plated	625
ANSI/BHMA 626 (US26D)	Satin Chromium Plated	626
626C	Satin Chromium Plated with MicroShield®	626C
722	Black Oxidized Bronze, Oil Rubbed	722
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Zinc levers are plated to match BHMA finish.

Strikes

ANSI Lip to Center	ANSI Curved Lip Specify	T-Strike Curved Lip Box Specify
1" (25mm)	SA100	SC100
1-1/8" (29mm)	SA118	SC118
1-1/4" (32mm)	SA114 (standard)	SC114
1-3/8" (35mm)	SA138	SC138
1-1/2" (38mm)	SA112	SC112
1-3/4" (44mm)	SA134	SC134
2" (51mm)	SA200	SC200
2-1/4" (57mm)	SA214	SC214
2-1/2" (64mm)	SA212	SC212
2-3/4" (70mm)	SA234	SC234
3" (76mm)	SA300	SC300
Rabbeted front and strike		Specify SR118

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Quick Codes

CL3300 Series

Door Thickness

Door Thickness	Specify
1-3/4" (44mm) - 2" (51mm)	(standard)
Over 2" (51mm) - 2-1/4" (57mm)	D214

Backset

Description	Specify
2-3/4" (70mm)	(standard)
3-3/4" (95mm)	B334
5" (127mm)	B500

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws	M04
Less cylinder, with tailpiece for Schlage® cylinder	M06*
Lever to accept 6 or 7-pin SFIC (FZD, NZD & PZD design only)	M08*
Lever to accept Sargent® fixed core cylinder (all designs)	M09*
Lever to accept Schlage® LFIC (FZD, NZD & PZD design only)	M69*
Rounded corners on latch front	M13
3/4" (19mm) throw fire latch	M16
ANSI wrought strike box	M17
Knurling outside and inside	M20
Knurling outside only	M21
Knurling inside only	M22
Abrasive coat outside and inside	M23
Abrasive coat inside only	M24
Abrasive coat outside only	M25
Lead lining (roses)	M28
Request to Exit (REX) Switch (CL33900 only)	M92

*Not available in CL3329 functions

Electric Accessories

Description	Part Number
Power supply 1.0 Amp @ 12 VDC output	BPS-12-1
Power supply 3.0 Amp @ 12 VDC output	BPS-12-3
Power supply 1.0 Amp @ 24 VDC output	BPS-24-1
Power supply 2.0 Amp @ 24 VDC output	BPS-24-2

Voltage Options

Description	Specify
12 volt alternating current/direct current	12AD
24 volt alternating current/direct current	24AD

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How To Specify

CL3300 Series

CL3300 Series
Suggested Specification

All locksets shall be CL3300 Series Extra Heavy Duty Cylindrical Lever Lockets as manufactured by Corbin Russwin Architectural Hardware.

A single lock chassis shall accommodate 1-3/4" (44mm) to 2-1/4" (57mm) door thickness. Locksets shall be non-handed. Locksets shall have separate anti-rotation throughbolts, and shall have no exposed mounting screws.

Locksets shall have solid cast levers without plastic inserts. Levers shall operate independently, and shall have separate inside and outside lever return springs to prevent lever sag. Outside lever handles shall be a minimum of 4-5/8" (117mm) in length and shall provide a minimum of 2" (51mm) clearance from the surface of the door to the inside of the lever at the midpoint. Outside lever handles may return to within 1/2" (13mm) of the door surface. Levers on keyed locksets shall be removable only when the designated key is in the cylinder.

When the outside lever is locked, it shall rotate freely and it shall return to its horizontal position when released.

A single lockset shall accommodate 6 or 7-pin conventional cylinders and all levels of master keying, construction master keying, visual key control, security, high security and interchangeable core. Cylinders may be easily changed by removing the lever without disassembling the lockset.

A 3/4" (19mm) throw latchbolt for pairs of fire doors shall be available. All locksets with a 1/2" (13mm) throw latchbolt shall be listed by Underwriters Laboratories for A label and lesser class single doors, 4' x 10'. All locksets with 3/4" (19mm) throw latchbolt shall be UL listed for A label and lesser class pairs of doors, 8' x 10'.

Certification:
Federal Specification FF-H-106C
ANSI/BHMA A156.2 Series 4000, Grade 1
ANSI A117.1 Accessibility Code
California State Reference Code (formerly Title 19, California State Fire Marshal Standard).

Locksets shall carry a seven-year limited warranty.

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CL33900 Electrified Series Suggested Specification

All locksets shall be CL33900 Series Extra Heavy Duty Cylindrical Lever Lockets as manufactured by Corbin Russwin Architectural Hardware.

A single lock chassis shall accommodate 1-3/4" (44mm) to 2-1/4" (57mm) door thickness. Locksets shall be non-handed. Locksets shall have separate anti-rotation throughbolts, and shall have no exposed mounting screws.

Locksets shall have solid cast levers without plastic inserts. Levers shall operate independently, and shall have separate inside and outside lever return springs to prevent lever sag. Outside lever handles shall be a minimum of 4-5/8" (117mm) in length and shall provide a minimum of 2" (51mm) clearance from the surface of the door to the inside of the lever at the midpoint. Outside lever handles may return to within 1/2" (13mm) of the door surface. Levers on keyed locksets shall be removable only when the designated key is in the cylinder.

When the outside lever is locked, it shall rotate freely and it shall return to its horizontal position when released.

The CL33900 Series shall be available 12 or 24 volt AC and DC (rectifier to be included) and Fail Safe or Fail Secure. The locking solenoid shall be continuous duty and self-contained in the lock chassis.

A single lockset shall accommodate 6 or 7-pin conventional cylinders and all levels of master keying, construction master keying, visual key control, security, high security and interchangeable core. Cylinders may be easily changed by removing the lever without disassembling the lockset.

A 3/4" (19mm) throw latchbolt for pairs of fire doors shall be available. All locksets with a 1/2" (13mm) throw latchbolt shall be listed by Underwriters Laboratories for A label and lesser class single doors, 4' x 10'. All locksets with 3/4" (19mm) throw latchbolt shall be UL listed for A label and lesser class pairs of doors, 8' x 10'.

Certification:
Federal Specification FF-H-106C
ANSI/BHMA A156.2 Series 4000, Grade 1
ANSI A117.1 Accessibility Code
California State Reference Code (formerly Title 19, California State Fire Marshal Standard)

Electrified locksets shall carry a two-year limited warranty.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

Corbin Russwin

ASSA ABLOY

For additional information, contact your ASSA ABLOY Door Security Solutions sales consultant or visit **www.corbinrusswin.com.**

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Phone: 800-461-3007
Fax: 800-461-8989
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MicroShield™

MicroShield®
As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, registered with the EPA and FDA. Microshield® is a silver-based antimicrobial coating designed to inhibit the growth of bacteria. MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

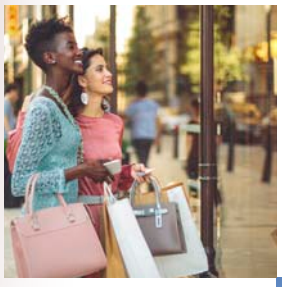
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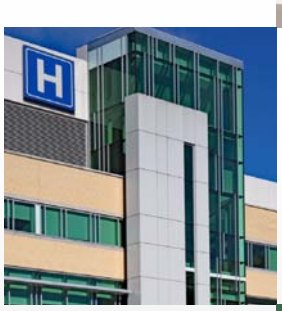
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CL3500 Series

Cylindrical Lever Locksets

Product Catalog

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Applications

CL3500 Series

Table of Contents

Applications 2
Features 3
Functions 4
Trim Designs 6
Options & Accessories 7
How to Order 9
Quick Codes 10
How to Specify 11

Applications

A heavy-duty Grade 1 lever lockset, ideal for commercial, institutional and multi-family applications such as:

- Interior offices
- Apartment complexes
- Convalescent and elderly care facilities
- Hotels
- Restaurants
- Retail centers

Advantages

- Non-handed
- Solid cast levers
- Independent return springs to prevent lever sag
- Through-bolted cylindrical chassis prevents rotation and ensures proper alignment
- Designed to meet ANSI/BHMA Grade 1
- Trim and keying compatible with other Corbin Russwin locksets



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Features

CL3500 Series

Features

Handing
Non-handed.

Door Thickness
1-3/4" (45mm) standard (fits doors 1-3/8" - 1-3/4" (35mm - 45mm))

Backset
2-3/4" (70mm) standard.
Optional: 2-3/8"(60mm), 3-3/4" (95mm) and 5" (127mm); see Quick Codes pages 10-11.

Lock Chassis
Steel, zinc dichromated for corrosion resistance.

Front
Brass, Bronze or Stainless Steel. 2-1/4" x 1-1/8" (29mm) standard for 2-3/4" (70mm), 3-3/4" (95mm) and 5" (127mm) backset. 2-1/4" x 1" (57mm x 25mm) standard for 2-3/8" (60mm) backset. Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).
Optional: rounded corner fronts; 1" (25mm) fronts; see Quick Codes pages 10-11.

Latchbolt
Brass, chrome plated with 1/2" (13mm) throw.

Auxiliary Latchbolt
Deadlocking latchbolt prevents manipulation when door is closed.

Strike
Wrought brass or stainless steel ANSI curved lip, 4-7/8" x 1-1/4" x 1-1/4" (124mm x 32mm x 32mm) lip to center standard. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes pages 10-11.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard. Optional Cylinders available; see Quick Codes pages 10-11.

Keying Features Available
7-pin
Master keying
Construction master keying
Visual key control
Concealed key control
Interchangeable core (IC)
Security
Security IC
Access 3® Patented
Access 3® Security
Access 3® High Security
Access 3® Patented IC
Access 3® Security IC
Access 3® High Security IC
Pyramid Security
Pyramid Security IC
Pyramid High Security
Pyramid High Security IC

Keys
Two nickel-silver standard.

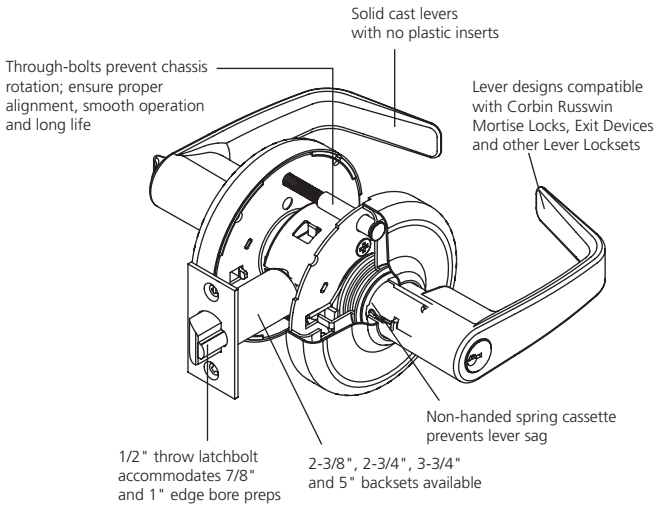
Warranty
Seven-year limited.

MicroShield®
CL3500 series locks are available with MicroShield® antimicrobial coating. *MicroShield* is a revolutionary hardware finish coating, using a silver ion based technology, which inhibits the growth of bacteria, algae, yeast, fungus, mold and mildew. *MicroShield* is non-toxic and lasts for the lifetime of the finish to which it is applied. To order, suffix option code "C".
Note: MicroShield® coating may vary finish color from architectural standards. *MicroShield* is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated product must still be cleaned to insure the surfaces will be free of destructive microbes. Corbin Russwin makes no representations or warranties, express or implied, as to the efficacy of the *MicroShield* antimicrobial.

Certification/Compliance

ANSI/BHMA
Designed to meet A156.2 Series 4000, Grade 1.
Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.



California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard)
All levers with returns comply; levers return to within 1/2" of door face.

UL-cUL
All locks listed for "A" label and lesser class single doors, 4' x 10'. Letter F and UL symbol on latch front indicate listing.

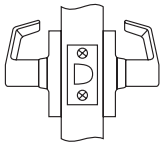
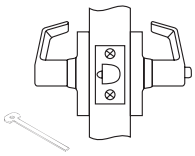
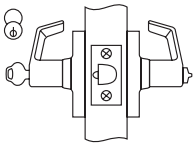
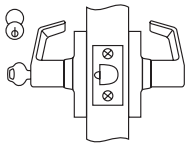
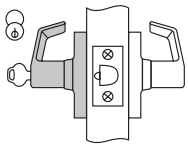
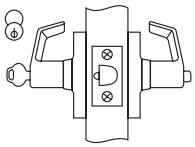
Any retrofit or other field modification to a fire-rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire- rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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ASSA ABLOY

Functions

CL3500 Series

Outside Inside	Series/ Function	Type	ANSI No.	Function Description
	CL3510	Passage or Closet	F75	• Latchbolt by lever either side. • Both levers always free.
	CL3520	Privacy Bedroom or Bathroom	F76A	• Throw-off latchbolt by lever either side. • Outside lever locked by push button. • Outside lever unlocked by emergency release tool outside, by rotating lever or by closing door. • Inside lever always free.
	CL3551	Entrance or Office	F109	• Deadlocking latchbolt by lever either side except when turn button locks outside lever. Pushing turn button locks outside lever, requiring use of key outside to unlock. • Turning inside lever unlocks outside lever (when button is pushed in but not turned). • Pushing in and turning button locks outside lever, requiring key at all times. Turning inside lever does not unlock outside lever until button is manually turned to unlocked position. • Inside lever always free.
	CL3555	Classroom	F84	• Deadlocking latchbolt by lever either side except when key outside locks outside lever. • Outside lever unlocked by key outside. • Inside lever always free.
	CL3557	Storeroom or Closet	F86	• Deadlocking latchbolt by key in outside lever or by rotating inside lever. • Outside lever always rigid. • Inside lever always free.
	CL3561	Entrance or Office	F82A	• Deadlocking latchbolt by lever either side, except when push button locks outside lever. • Push button released by turning inside lever or by key in outside lever. • Closing door does not release push button. • Inside lever always free.

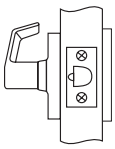
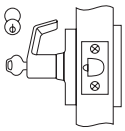
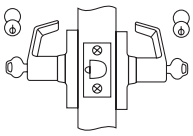
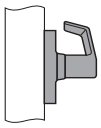
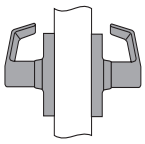
Indicates optional interchangeable core available; see How to Order, page 9.

Indicates lever always rigid.

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Functions

CL3500 Series

Outside Inside	Series/ Function	Type	ANSI No.	Function Description
	CL3580	Passage Lever x Blank Plate	F111	• Deadlocking latchbolt by lever. • Lever on one side; blank plate on other side. • Lever always free. • For single or double communicating doors.
	CL3581	Keyed Lever x Blank Plate	F113	• Deadlocking latchbolt by lever, except when lever is locked by key. • Lever on one side, blank plate on other side.
	CL3582	Store Door	F91	• Deadlocking latchbolt by lever either side, except when key either side locks both levers. • Keyed alike unless otherwise specified.
	CL3550	Half Dummy Trim	—	• Lever acts as pull only; no operation.
	CL3570	Full Dummy Trim	—	• Levers act as pulls only; no operation.

Indicates optional interchangeable core available; see How to Order, page 9.

Indicates lever always rigid.

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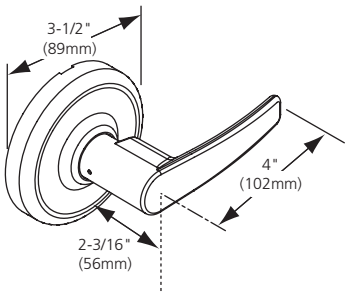
Trim Designs

CL3500 Series



Armstrong

AZD
Lever: Die-cast zinc
Rose: Wrought brass or bronze

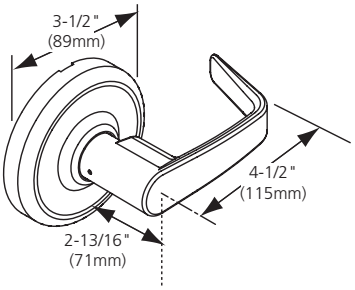




Newport

Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

NZD
Lever: Die-cast zinc
Rose: Wrought brass or bronze

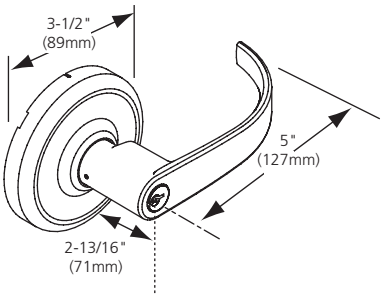




Princeton

Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

PZD
Lever: Die-cast zinc
Rose: Wrought brass or bronze



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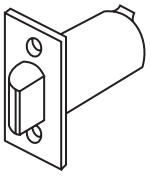
45519 7/19

Latches

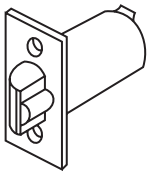
To order optional latchbolt with lockset, see How to Order, page 9.
To order latchbolt separately, specify Part No. x Finish (e.g., 599F91 x 626).

Backset and Front Description		Plain	Deadlocking	Throw-Off
2-3/8" Backset	1" width, square corner	599F91	599F92	599F93
	1" width, rounded corner	599F94	599F95	599F96
	1-1/8" width, square corner	599F97	599F98	599F99
	1-1/8" width, rounded corner	600F00	600F01	600F02
2-3/4" Backset	1" width, square corner	600F03	600F04	600F05
	1" width, rounded corner	600F06	600F07	600F08
	1-1/8" width, square corner	600F09	600F10	600F11
	1-1/8" width, rounded corner	600F12	600F13	600F14
3-3/4" Backset	1-1/8" width, square corner	600F62	600F63	600F64
	1-1/8" width, rounded corner	600F65	600F66	600F67
5" Backset	1-1/8" width, square corner	600F68	600F69	600F70
	1-1/8" width, rounded corner	600F71	600F72	600F73

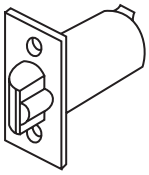
Housing diameter 7/8" for all models. 1" diameter latch sleeve furnished with each latchbolt.



Plain
(CL3510)

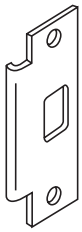


Deadlocking
(All other functions)



Throw-Off
(CL3520)

Strikes



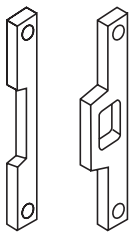
ANSI Curved Lip (standard)

Brass or stainless steel.

4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.

Optional lip lengths: 1" (25mm), 1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm).

To order separately, specify 217L13 x Lip Length x Finish.



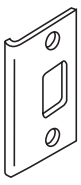
Rabbeted Front and Strike

Brass or bronze.
4" (102mm) x 5/8" (16mm) for 1/2" (13mm) rabbet.

No optional lip lengths.

To order with lockset, see How to Order, page 9.

To order separately, specify 601F28 x Finish.

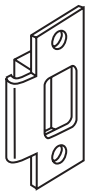


Full Lip Strike

Brass.

2- 3/4" (70mm) x full lip x 1-1/8" (29mm) lip to center.

No optional lip lengths. To order separately specify 607F76.



Curved Lip "T" Strike

Brass.

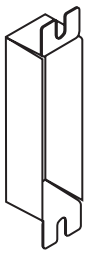
2-3/4" (70mm) x 1-1/8" (29mm) x 1-1/4" (32mm) lip to center

Optional lip lengths: 1" (25mm), 1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm),

2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

To order optional strike with lockset, see Quick Codes, page 9.

To order separately, specify 586L19 x Lip Length x Finish.



ANSI Wrought Strike Box

To order with lockset, see How to Order, page 9. To order separately, specify 120F768.

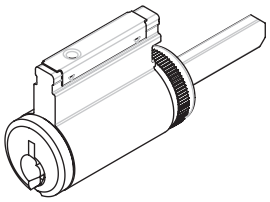
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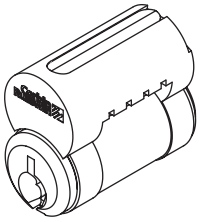
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Options & Accessories

CL3500 Series

Cylinders





		Standard Cylinder .509" plug diameter conventional .510" plug diameter Access 3® .552" plug diameter security .496" plug diameter Pyramid Brass, 6-pin 2 nickel silver keys Finishes: 606, 626	Interchangeable Core .509" plug diameter conventional .510" plug diameter Access 3® .552" plug diameter security .496" plug diameter Pyramid Brass, 6-pin 2 nickel silver keys Finishes: 606, 626
Conventional	6-pin	2000-033 (standard)	8000
	7-pin	2000-033-7	8000-7
Security	6-pin	2010-033	8010
Pyramid High Security	7-pin	2020-033	8020
Pyramid Security	7-pin	2027-033	8027
Access 3® - Patented	6-Pin	2500-033	8500
Access 3® - Security	6-Pin	2600-033	8600
Access 3® - High Security	6-Pin	2700-033	8700
Schlage® C Keyway (0-bitted)	6-pin	2400-033-C	—
Schlage® C Keyway (keyed random)	6-pin	2400-033-C-KR	—
Sargent® LA Keyway (0-bitted)	6-pin	2400-033-LA	—

To order optional cylinder with lockset, see How to Order, page 9.
To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 8000 x L4 x 626).

Compatibility with Competitive Cylinders

Competitive Cylinder	Parts Required for Installation
Schlage fixed core conventional 21-002, 23-001 or 23-013	682F398 tailpiece included with M06 option.
Schlage fixed core Primus 20-548, 20-550, 20-748 or 20-750	682F398 tailpiece included with M06 option.
Schlage 6-pin LFIC	Specify M69 - 697F942 Tailpiece included with M69 option.
SFIC, 6 or 7-pin	682F958 tailpiece kit and special lever (NZD and PZD designs only) included with M08 option. Accommodates 6 and 7-pin cores.
Sargent fixed core C10-1	682F969 Tailpiece kit and special lever. Included with M09 options. See How to Order, page 9.

For Assa® and Medeco® retrofit cylinders, consult those manufacturers' catalogs.

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How to Order

CL3500 Series

Ordering Examples

Stock Order

Quantity	Series/Function	Trim	Finish
100	CL3555	NZD	626

Split Trim / Finish Order

Quantity	Series/ Function	Trim		Finish	
		Outside	Inside	Outside	Inside
12	CL3555	NZD	AZD	626	625

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Backset	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	CL3555	PZD	626	B238	SC200	M04-M17	C6	VKC1

Where to find ordering information and Quick Codes

Series/Function	Pages 4-5
Trim Designs	Page 6
Finish	Page 10
Door Thickness	Page 10
Backset	Page 10
Strike	Page 10
Miscellaneous Options	Page 11
Cylinder and Keying	Page 10

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Quick Codes

CL3500 Series

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with Temporary Construction Core (Red)	CT6R
IC 6-pin with Temporary Construction Core (Blue)	CT6B
IC 6-pin with Temporary Construction Core (Green)	CT6G
IC 6-pin less core	CL6
SFIC 6- or 7-pin Small Format Disposable Core	CTSD
IC 7-pin	C7
IC 7-pin less core	CL7
IC 7-pin with Temporary Construction Core (Red)	CT7R
IC 7-pin with Temporary Construction Core (Blue)	CT7B
IC 7-pin with Temporary Construction Core (Green)	CT7G
Security	HS
Security IC	CHS
Access 3® AP Fixed Core	AP
Access 3® AS Fixed Core	AS
Access 3® AHS Fixed Core	AHS
Access 3® AP IC	ACP
Access 3® AS IC	ACS
Access 3® AHS IC	ACHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid IC Less Core	CLP
Pyramid with temporary construction core	CTP
Pyramid Security Fixed Core	PS
Pyramid Security IC	PCS
Pyramid Disposable Core	CTPD
6-Pin Disposable Core	CT6D
7-Pin Disposable Core	CT7D
0-bitted with 2 blank keys	(standard)
Keyed alike	KA
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
No bitting or keyset stamping on keys	VKC0
Keys only	VKC1
Cylinders and keys (not for HS, CHS, PHS or PCHS)	VKC2
Cylinders only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed key control (CKC)	
CKC cylinders with VKC keys	CKC2
CKC cylinders only (not for PHS, PCHS)	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)
Schlage® C keyway cylinder	C
Sargent® LA keyway cylinder	LA

Finishes

Description		Specify
ANSI/BHMA 605 (US3)	Bright Brass	605
ANSI/BHMA 606 (US4)	Satin Brass	606
ANSI/BHMA 611 (US9)	Bright Bronze	611
ANSI/BHMA 612 (US10)	Satin Bronze	612
ANSI/BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed	613
613E	Dark Oxidized Satin Bronze - equivalent	613E
613L	Dark Oxidized Satin Bronze, Clear Coated	613L
ANSI/BHMA 618 (US14)	Bright Nickel Plated	618
ANSI/BHMA 619 (US15)	Satin Nickel Plated	619
619C	Satin Nickel Plated with Microshield®	619C
ANSI/BHMA 625 (US26)	Bright Chromium Plated	625
ANSI/BHMA 626 (US26D)	Satin Chromium Plated	626
626C	Satin Chromium Plated with MicroShield®	626C
722	Black Oxidized Bronze, oil rubbed	722
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Zinc levers are plated to match BHMA finish.

Strikes

ANSI Lip to Center	ANSI Curved Lip Specify	T-Strike Curved Lip Box Specify	Full Lip Specify
1" (25mm)	SA100	SC100	
1-1/8" (29mm)	SA118	SC118	SF118
1-1/4" (32mm)	SA114 (standard)	SC114	
1-3/8" (35mm)	SA138	SC138	
1-1/2" (38mm)	SA112	SC112	
1-3/4" (44mm)	SA134	SC134	
2" (51mm)	SA200	SC200	
2-1/4" (57mm)	SA214	SC214	
2-1/2" (64mm)	SA212	SC212	
2-3/4" (70mm)	SA234	SC234	
3" (76mm)	SA300	SC300	
Rabbeted front and strike		Specify SR118	

Door Thickness

Door Thickness	Specify
1-3/4"(44mm)	(standard)*
1-3/8" (35mm)	D138**

*Fits doors 1-3/8" -1-3/4"
**Lock preset to for 1-3/8" door. Supplied with 2-3/8" backset latch unless B234 specified

Backset

Description	Specify
2-3/8" (60mm)	B238
2-3/4" (70mm)	B234 (standard)
3-3/4" (95mm)	B334
5" (127mm)	B500

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Quick Codes & How to Specify

CL3500 Series

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws	M04
Less cylinder, with tailpiece for Schlage® fixed core cylinder (AZD, NZD & PZD designs)	M06
Lever to accept 6 or 7-pin SFIC (NZD & PZD design only)	M08
Lever to accept Sargent® fixed core cylinder (NZD & PZD designs only)	M09
Lever to accept Schlage® LFIC (NZD & PZD design only)	M69
Rounded corners on latch front	M13
1" latch front, square corners (standard for 2-3/8" backset)	M14
1" latch front, rounded corners	M15
ANSI wrought strike box	M17
Knurling outside and inside	M20
Knurling outside only	M21
Knurling inside only	M22
Abrasive coat outside and inside	M23
Abrasive coat inside only	M24
Abrasive coat outside only	M25
1-1/8" front, square corners (standard for 2-3/4", 3-3/4"and 5" backsets)	M32

Suggested Specification

All locksets shall be CL3500 Series Heavy-Duty Cylindrical Lever Locksets as manufactured by Corbin Russwin Architectural Hardware.

A single lock chassis shall accommodate 1-3/8" (35mm) to 1-3/4" (44mm) thick doors. Locksets shall be non-handed. Locksets shall have through-bolted anti-rotation rose liners and shall contain no exposed screws. Chassis mounting screws may be accessed only when the lever and rose are removed.

Locksets shall have solid cast levers with no plastic inserts, and wrought roses on both sides. Locksets shall have lever return spring cassettes to prevent lever sag.

Levers shall operate independently. Lever handles shall be a minimum of 4" (102mm) in overall length and shall provide a minimum of 2" clearance from the surface of the door to the inside of the lever at the midpoint, and may also have a return that comes to within 1/2" of the door surface. Levers on keyed locksets shall be removable only when the designated key is in the cylinder.

A single lockset shall accommodate 6 or 7-pin conventional cylinders and all levels of master keying, construction master keying, visual key control, high security and interchangeable core. Cylinders may be easily changed by removing the lever without disassembling the lockset.

All locksets shall be listed by Underwriters Laboratories for A label and lesser class single doors, 4'x10'.

Certification:
Federal Specification FF-H-106C
Designed to meet ANSI/BHMA A156.2 Series 4000, Grade 1
ANSI A117.1 Accessibility Code
California State Reference Code (formerly Title 19, California State Fire Marshal Standard)

All locks, trim and cylinders shall be from one manufacturer.

All locksets shall carry a seven-year limited warranty.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

Corbin Russwin

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For additional information, contact your ASSA ABLOY Door Security Solutions sales consultant or visit **www.corbinrusswin.com.**

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Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
www.corbinrusswin.com

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ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 800-461-8989
www.assaabloydss.ca

MicroShield™

MicroShield®
As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, registered with the EPA and FDA. Microshield® is a silver-based antimicrobial coating designed to inhibit the growth of bacteria. MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

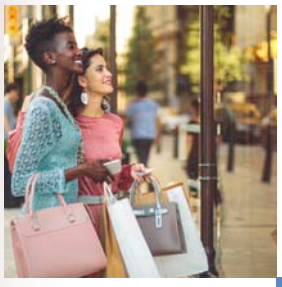
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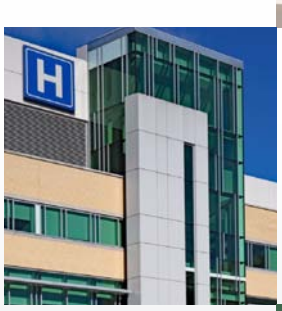
Corbin Russwin

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CL3500 Series

Cylindrical Lever Locksets

Product Catalog

Experience a safer
and more open world

Corbin Russwin
ASSA ABLOY

Applications

CL3500 Series

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Applications 2
Features 3
Functions 4
Trim Designs 6
Options & Accessories 7
How to Order 9
Quick Codes 10
How to Specify 11

Applications

A heavy-duty Grade 1 lever lockset, ideal for commercial, institutional and multi-family applications such as:

- Interior offices
- Apartment complexes
- Convalescent and elderly care facilities
- Hotels
- Restaurants
- Retail centers

Advantages

- Non-handed
- Solid cast levers
- Independent return springs to prevent lever sag
- Through-bolted cylindrical chassis prevents rotation and ensures proper alignment
- Designed to meet ANSI/BHMA Grade 1
- Trim and keying compatible with other Corbin Russwin locksets



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Features

CL3500 Series

Features

Handing
Non-handed.

Door Thickness
1-3/4" (45mm) standard (fits doors 1-3/8" - 1-3/4" (35mm - 45mm))

Backset
2-3/4" (70mm) standard.
Optional: 2-3/8"(60mm), 3-3/4" (95mm) and 5" (127mm); see Quick Codes pages 10-11.

Lock Chassis
Steel, zinc dichromated for corrosion resistance.

Front
Brass, Bronze or Stainless Steel. 2-1/4" x 1-1/8" (29mm) standard for 2-3/4" (70mm), 3-3/4" (95mm) and 5" (127mm) backset. 2-1/4" x 1" (57mm x 25mm) standard for 2-3/8" (60mm) backset. Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).
Optional: rounded corner fronts; 1" (25mm) fronts; see Quick Codes pages 10-11.

Latchbolt
Brass, chrome plated with 1/2" (13mm) throw.

Auxiliary Latchbolt
Deadlocking latchbolt prevents manipulation when door is closed.

Strike
Wrought brass or stainless steel ANSI curved lip, 4-7/8" x 1-1/4" x 1-1/4" (124mm x 32mm x 32mm) lip to center standard. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes pages 10-11.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard. Optional Cylinders available; see Quick Codes pages 10-11.

Keying Features Available
7-pin
Master keying
Construction master keying
Visual key control
Concealed key control
Interchangeable core (IC)
Security
Security IC
Access 3® Patented
Access 3® Security
Access 3® High Security
Access 3® Patented IC
Access 3® Security IC
Access 3® High Security IC
Pyramid Security
Pyramid Security IC
Pyramid High Security
Pyramid High Security IC

Keys
Two nickel-silver standard.

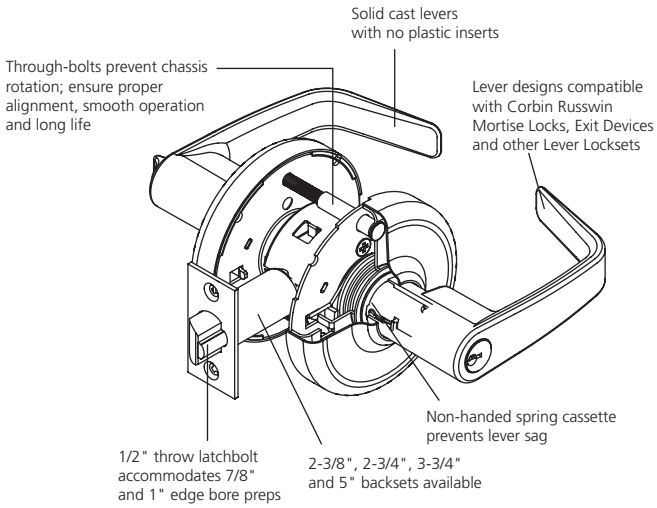
Warranty
Seven-year limited.

MicroShield®
CL3500 series locks are available with MicroShield® antimicrobial coating. *MicroShield* is a revolutionary hardware finish coating, using a silver ion based technology, which inhibits the growth of bacteria, algae, yeast, fungus, mold and mildew. *MicroShield* is non-toxic and lasts for the lifetime of the finish to which it is applied. To order, suffix option code "C".
Note: MicroShield® coating may vary finish color from architectural standards. *MicroShield* is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated product must still be cleaned to insure the surfaces will be free of destructive microbes. Corbin Russwin makes no representations or warranties, express or implied, as to the efficacy of the *MicroShield* antimicrobial.

Certification/Compliance

ANSI/BHMA
Designed to meet A156.2 Series 4000, Grade 1.
Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.



California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard)
All levers with returns comply; levers return to within 1/2" of door face.

UL-cUL
All locks listed for "A" label and lesser class single doors, 4' x 10'. Letter F and UL symbol on latch front indicate listing.

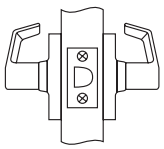
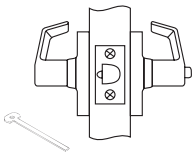
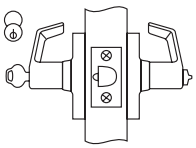
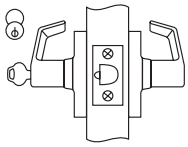
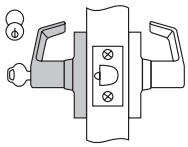
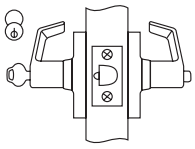
Any retrofit or other field modification to a fire-rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire- rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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Functions

CL3500 Series

Outside Inside	Series/ Function	Type	ANSI No.	Function Description
	CL3510	Passage or Closet	F75	• Latchbolt by lever either side. • Both levers always free.
	CL3520	Privacy Bedroom or Bathroom	F76A	• Throw-off latchbolt by lever either side. • Outside lever locked by push button. • Outside lever unlocked by emergency release tool outside, by rotating lever or by closing door. • Inside lever always free.
	CL3551	Entrance or Office	F109	• Deadlocking latchbolt by lever either side except when turn button locks outside lever. Pushing turn button locks outside lever, requiring use of key outside to unlock. • Turning inside lever unlocks outside lever (when button is pushed in but not turned). • Pushing in and turning button locks outside lever, requiring key at all times. Turning inside lever does not unlock outside lever until button is manually turned to unlocked position. • Inside lever always free.
	CL3555	Classroom	F84	• Deadlocking latchbolt by lever either side except when key outside locks outside lever. • Outside lever unlocked by key outside. • Inside lever always free.
	CL3557	Storeroom or Closet	F86	• Deadlocking latchbolt by key in outside lever or by rotating inside lever. • Outside lever always rigid. • Inside lever always free.
	CL3561	Entrance or Office	F82A	• Deadlocking latchbolt by lever either side, except when push button locks outside lever. • Push button released by turning inside lever or by key in outside lever. • Closing door does not release push button. • Inside lever always free.

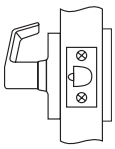
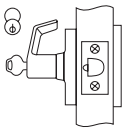
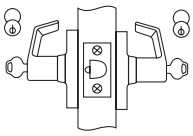
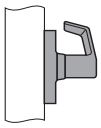
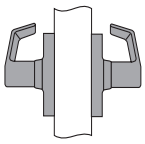
Indicates optional interchangeable core available; see How to Order, page 9.

Indicates lever always rigid.

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Functions

CL3500 Series

Outside Inside	Series/ Function	Type	ANSI No.	Function Description
	CL3580	Passage Lever x Blank Plate	F111	• Deadlocking latchbolt by lever. • Lever on one side; blank plate on other side. • Lever always free. • For single or double communicating doors.
	CL3581	Keyed Lever x Blank Plate	F113	• Deadlocking latchbolt by lever, except when lever is locked by key. • Lever on one side, blank plate on other side.
	CL3582	Store Door	F91	• Deadlocking latchbolt by lever either side, except when key either side locks both levers. • Keyed alike unless otherwise specified.
	CL3550	Half Dummy Trim	—	• Lever acts as pull only; no operation.
	CL3570	Full Dummy Trim	—	• Levers act as pulls only; no operation.

Indicates optional interchangeable core available; see How to Order, page 9.

Indicates lever always rigid.

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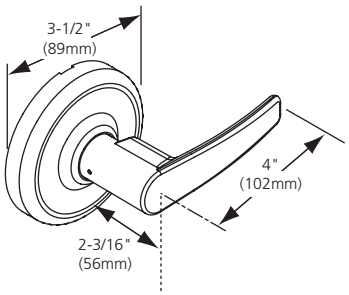
Trim Designs

CL3500 Series



Armstrong

AZD
Lever: Die-cast zinc
Rose: Wrought brass or bronze

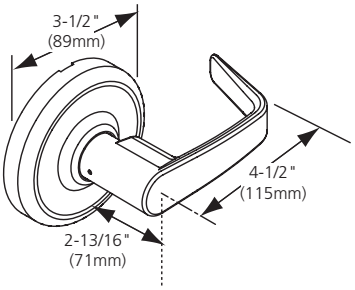




Newport

Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

NZD
Lever: Die-cast zinc
Rose: Wrought brass or bronze

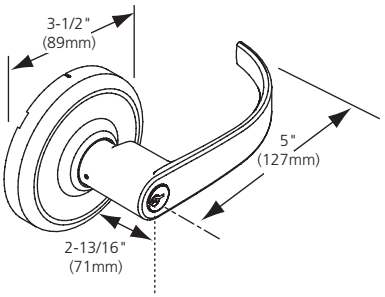




Princeton

Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

PZD
Lever: Die-cast zinc
Rose: Wrought brass or bronze



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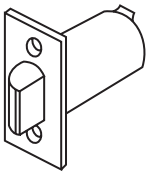
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Latches

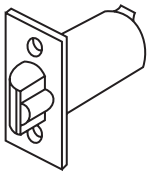
To order optional latchbolt with lockset, see How to Order, page 9.
To order latchbolt separately, specify Part No. x Finish (e.g., 599F91 x 626).

Backset and Front Description		Plain	Deadlocking	Throw-Off
2-3/8" Backset	1" width, square corner	599F91	599F92	599F93
	1" width, rounded corner	599F94	599F95	599F96
	1-1/8" width, square corner	599F97	599F98	599F99
	1-1/8" width, rounded corner	600F00	600F01	600F02
2-3/4" Backset	1" width, square corner	600F03	600F04	600F05
	1" width, rounded corner	600F06	600F07	600F08
	1-1/8" width, square corner	600F09	600F10	600F11
	1-1/8" width, rounded corner	600F12	600F13	600F14
3-3/4" Backset	1-1/8" width, square corner	600F62	600F63	600F64
	1-1/8" width, rounded corner	600F65	600F66	600F67
5" Backset	1-1/8" width, square corner	600F68	600F69	600F70
	1-1/8" width, rounded corner	600F71	600F72	600F73

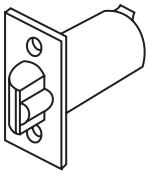
Housing diameter 7/8" for all models. 1" diameter latch sleeve furnished with each latchbolt.



Plain
(CL3510)

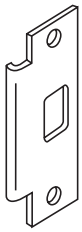


Deadlocking
(All other functions)



Throw-Off
(CL3520)

Strikes



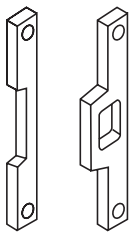
ANSI Curved Lip (standard)

Brass or stainless steel.

4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.

Optional lip lengths: 1" (25mm), 1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm).

To order separately, specify 217L13 x Lip Length x Finish.



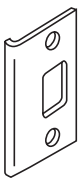
Rabbeted Front and Strike

Brass or bronze.
4" (102mm) x 5/8" (16mm) for 1/2" (13mm) rabbet.

No optional lip lengths.

To order with lockset, see How to Order, page 9.

To order separately, specify 601F28 x Finish.

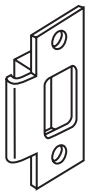


Full Lip Strike

Brass.

2- 3/4" (70mm) x full lip x 1-1/8" (29mm) lip to center.

No optional lip lengths. To order separately specify 607F76.



Curved Lip "T" Strike

Brass.

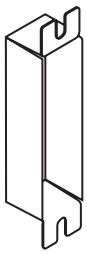
2-3/4" (70mm) x 1-1/8" (29mm) x 1-1/4" (32mm) lip to center

Optional lip lengths: 1" (25mm), 1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm),

2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

To order optional strike with lockset, see Quick Codes, page 9.

To order separately, specify 586L19 x Lip Length x Finish.



ANSI Wrought Strike Box

To order with lockset, see How to Order, page 9. To order separately, specify 120F768.

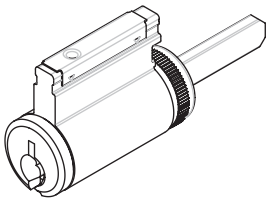
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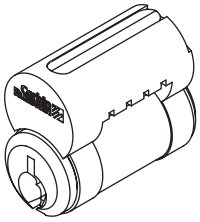
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Options & Accessories

CL3500 Series

Cylinders





		Standard Cylinder .509" plug diameter conventional .510" plug diameter Access 3® .552" plug diameter security .496" plug diameter Pyramid Brass, 6-pin 2 nickel silver keys Finishes: 606, 626	Interchangeable Core .509" plug diameter conventional .510" plug diameter Access 3® .552" plug diameter security .496" plug diameter Pyramid Brass, 6-pin 2 nickel silver keys Finishes: 606, 626
Conventional	6-pin	2000-033 (standard)	8000
	7-pin	2000-033-7	8000-7
Security	6-pin	2010-033	8010
Pyramid High Security	7-pin	2020-033	8020
Pyramid Security	7-pin	2027-033	8027
Access 3® - Patented	6-Pin	2500-033	8500
Access 3® - Security	6-Pin	2600-033	8600
Access 3® - High Security	6-Pin	2700-033	8700
Schlage® C Keyway (0-bitted)	6-pin	2400-033-C	—
Schlage® C Keyway (keyed random)	6-pin	2400-033-C-KR	—
Sargent® LA Keyway (0-bitted)	6-pin	2400-033-LA	—

To order optional cylinder with lockset, see How to Order, page 9.
To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 8000 x L4 x 626).

Compatibility with Competitive Cylinders

Competitive Cylinder	Parts Required for Installation
Schlage fixed core conventional 21-002, 23-001 or 23-013	682F398 tailpiece included with M06 option.
Schlage fixed core Primus 20-548, 20-550, 20-748 or 20-750	682F398 tailpiece included with M06 option.
Schlage 6-pin LFIC	Specify M69 - 697F942 Tailpiece included with M69 option.
SFIC, 6 or 7-pin	682F958 tailpiece kit and special lever (NZD and PZD designs only) included with M08 option. Accommodates 6 and 7-pin cores.
Sargent fixed core C10-1	682F969 Tailpiece kit and special lever. Included with M09 options. See How to Order, page 9.

For Assa® and Medeco® retrofit cylinders, consult those manufacturers' catalogs.

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How to Order

CL3500 Series

Ordering Examples

Stock Order

Quantity	Series/Function	Trim	Finish
100	CL3555	NZD	626

Split Trim / Finish Order

Quantity	Series/ Function	Trim		Finish	
		Outside	Inside	Outside	Inside
12	CL3555	NZD	AZD	626	625

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Backset	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	CL3555	PZD	626	B238	SC200	M04-M17	C6	VKC1

Where to find ordering information and Quick Codes

Series/Function	Pages 4-5
Trim Designs	Page 6
Finish	Page 10
Door Thickness	Page 10
Backset	Page 10
Strike	Page 10
Miscellaneous Options	Page 11
Cylinder and Keying	Page 10

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Quick Codes

CL3500 Series

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with Temporary Construction Core (Red)	CT6R
IC 6-pin with Temporary Construction Core (Blue)	CT6B
IC 6-pin with Temporary Construction Core (Green)	CT6G
IC 6-pin less core	CL6
SFIC 6- or 7-pin Small Format Disposable Core	CTSD
IC 7-pin	C7
IC 7-pin less core	CL7
IC 7-pin with Temporary Construction Core (Red)	CT7R
IC 7-pin with Temporary Construction Core (Blue)	CT7B
IC 7-pin with Temporary Construction Core (Green)	CT7G
Security	HS
Security IC	CHS
Access 3® AP Fixed Core	AP
Access 3® AS Fixed Core	AS
Access 3® AHS Fixed Core	AHS
Access 3® AP IC	ACP
Access 3® AS IC	ACS
Access 3® AHS IC	ACHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid IC Less Core	CLP
Pyramid with temporary construction core	CTP
Pyramid Security Fixed Core	PS
Pyramid Security IC	PCS
Pyramid Disposable Core	CTPD
6-Pin Disposable Core	CT6D
7-Pin Disposable Core	CT7D
0-bitted with 2 blank keys	(standard)
Keyed alike	KA
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
No bitting or keyset stamping on keys	VKC0
Keys only	VKC1
Cylinders and keys (not for HS, CHS, PHS or PCHS)	VKC2
Cylinders only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed key control (CKC)	
CKC cylinders with VKC keys	CKC2
CKC cylinders only (not for PHS, PCHS)	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)
Schlage® C keyway cylinder	C
Sargent® LA keyway cylinder	LA

Finishes

Description		Specify
ANSI/BHMA 605 (US3)	Bright Brass	605
ANSI/BHMA 606 (US4)	Satin Brass	606
ANSI/BHMA 611 (US9)	Bright Bronze	611
ANSI/BHMA 612 (US10)	Satin Bronze	612
ANSI/BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed	613
613E	Dark Oxidized Satin Bronze - equivalent	613E
613L	Dark Oxidized Satin Bronze, Clear Coated	613L
ANSI/BHMA 618 (US14)	Bright Nickel Plated	618
ANSI/BHMA 619 (US15)	Satin Nickel Plated	619
619C	Satin Nickel Plated with Microshield®	619C
ANSI/BHMA 625 (US26)	Bright Chromium Plated	625
ANSI/BHMA 626 (US26D)	Satin Chromium Plated	626
626C	Satin Chromium Plated with MicroShield®	626C
722	Black Oxidized Bronze, oil rubbed	722
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Zinc levers are plated to match BHMA finish.

Strikes

ANSI Lip to Center	ANSI Curved Lip Specify	T-Strike Curved Lip Box Specify	Full Lip Specify
1" (25mm)	SA100	SC100	
1-1/8" (29mm)	SA118	SC118	SF118
1-1/4" (32mm)	SA114 (standard)	SC114	
1-3/8" (35mm)	SA138	SC138	
1-1/2" (38mm)	SA112	SC112	
1-3/4" (44mm)	SA134	SC134	
2" (51mm)	SA200	SC200	
2-1/4" (57mm)	SA214	SC214	
2-1/2" (64mm)	SA212	SC212	
2-3/4" (70mm)	SA234	SC234	
3" (76mm)	SA300	SC300	
Rabbeted front and strike		Specify SR118	

Door Thickness

Door Thickness	Specify
1-3/4"(44mm)	(standard)*
1-3/8" (35mm)	D138**

*Fits doors 1-3/8" -1-3/4"
**Lock preset to for 1-3/8" door. Supplied with 2-3/8" backset latch unless B234 specified

Backset

Description	Specify
2-3/8" (60mm)	B238
2-3/4" (70mm)	B234 (standard)
3-3/4" (95mm)	B334
5" (127mm)	B500

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Quick Codes & How to Specify

CL3500 Series

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws	M04
Less cylinder, with tailpiece for Schlage® fixed core cylinder (AZD, NZD & PZD designs)	M06
Lever to accept 6 or 7-pin SFIC (NZD & PZD design only)	M08
Lever to accept Sargent® fixed core cylinder (NZD & PZD designs only)	M09
Lever to accept Schlage® LFIC (NZD & PZD design only)	M69
Rounded corners on latch front	M13
1" latch front, square corners (standard for 2-3/8" backset)	M14
1" latch front, rounded corners	M15
ANSI wrought strike box	M17
Knurling outside and inside	M20
Knurling outside only	M21
Knurling inside only	M22
Abrasive coat outside and inside	M23
Abrasive coat inside only	M24
Abrasive coat outside only	M25
1-1/8" front, square corners (standard for 2-3/4", 3-3/4"and 5" backsets)	M32

Suggested Specification

All locksets shall be CL3500 Series Heavy-Duty Cylindrical Lever Locksets as manufactured by Corbin Russwin Architectural Hardware.

A single lock chassis shall accommodate 1-3/8" (35mm) to 1-3/4" (44mm) thick doors. Locksets shall be non-handed. Locksets shall have through-bolted anti-rotation rose liners and shall contain no exposed screws. Chassis mounting screws may be accessed only when the lever and rose are removed.

Locksets shall have solid cast levers with no plastic inserts, and wrought roses on both sides. Locksets shall have lever return spring cassettes to prevent lever sag.

Levers shall operate independently. Lever handles shall be a minimum of 4" (102mm) in overall length and shall provide a minimum of 2" clearance from the surface of the door to the inside of the lever at the midpoint, and may also have a return that comes to within 1/2" of the door surface. Levers on keyed locksets shall be removable only when the designated key is in the cylinder.

A single lockset shall accommodate 6 or 7-pin conventional cylinders and all levels of master keying, construction master keying, visual key control, high security and interchangeable core. Cylinders may be easily changed by removing the lever without disassembling the lockset.

All locksets shall be listed by Underwriters Laboratories for A label and lesser class single doors, 4'x10'.

Certification:
Federal Specification FF-H-106C
Designed to meet ANSI/BHMA A156.2 Series 4000, Grade 1
ANSI A117.1 Accessibility Code
California State Reference Code (formerly Title 19, California State Fire Marshal Standard)

All locks, trim and cylinders shall be from one manufacturer.

All locksets shall carry a seven-year limited warranty.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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For additional information, contact your ASSA ABLOY Door Security Solutions sales consultant or visit **www.corbinrusswin.com.**

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45519-7/19

Corbin Russwin

ASSA ABLOY

CK4300 Series

Cylindrical Knob Locksets



ASSA ABLOY, the global leader
in door opening solutions



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Applications

CK4300 Series

Applications

The CK4300 Series is ideal for demanding, high-use commercial, industrial and institutional applications, including:

- Schools
- Hotels
- Apartments
- Hospitals and nursing homes
- Churches
- Municipal buildings
- Airports
- Retail complexes
- Offices
- Warehouses

Advantages

- Internal parts are zinc dichromate plated for corrosion resistance
- Heavy wrought knobs with steel liner for impact resistance
- 1/2" (13mm) Stainless Steel throw latchbolt

Table of Contents

Applications 2
Features 3
Functions 4
Trim Designs 5
Options and Accessories 6
How to Order 8
Quick Codes 9
How to Specify 10

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45443-5/17

Features

CK4300 Series

Features

Handing
Non-handed.

Door Thickness
1-3/8" (35mm) – 2" (51mm).

Backset
2-3/4" (70mm) standard.

Lock Chassis
Steel, zinc dichromated for corrosion resistance.

Front
Wrought brass or stainless steel, 2-1/4" (57mm) x 1-1/8" (29mm). Accommodates doors beveled 1/8" (3mm) in 2" (51mm).

Latchbolt
Stainless Steel 1/2" (13mm) throw, 7/8" (22mm) diameter.

Strike
Wrought brass or stainless steel, ANSI curved lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes page 9.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard.

Finishes
See Quick Codes page 9.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
Conventional 6-pin
Security
Pyramid Security
Pyramid High Security
Access 3® Patented
Access 3® Security
Access 3® High Security

Keys
Two nickel silver standard.

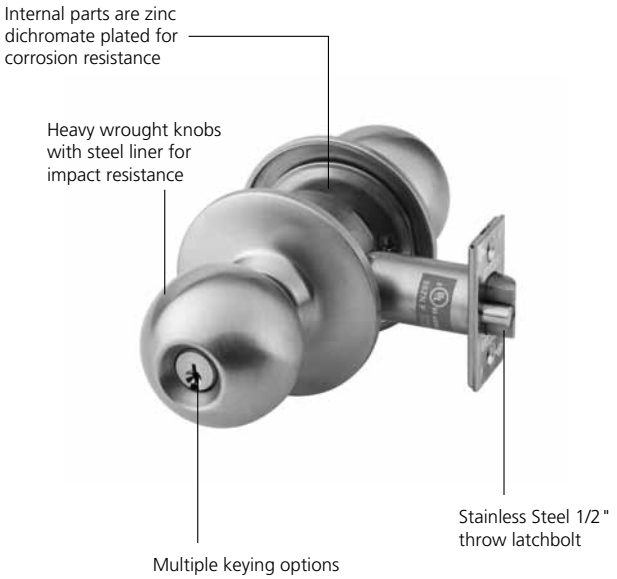
Warranty
Three-year limited.

Certification/Compliance

ANSI/BHMA
Certified and meets A156.2 Series 4000, Grade 1.

UL-cUL
All locks listed for A Label and lesser class single doors, 4' x 8'.
Letter F and UL symbol on latch front indicate listing.

Any retrofit or other field modification to a fire-rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

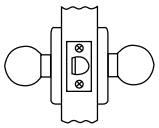
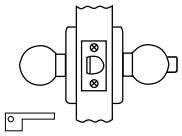
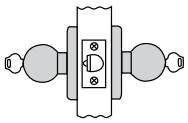
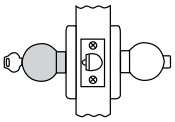
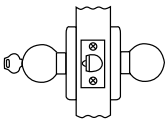
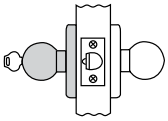
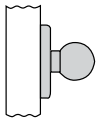


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Functions

CK4300 Series

Outside Inside	Series/ Function	Type	ANSI No.	Function Description
	CK4310	Passage or Closet	F75	• Latchbolt by knob either side. • Both knobs always free.
	CK4320	Privacy, Bedroom or Bathroom	F76A	• Latchbolt by knob either side. • Outside knob locked by push button. • Outside knob unlocked by coin turned in emergency slot outside, by rotating inside knob or by closing door. • Inside knob always free.
	CK4332	Institution or Utility	F87	• Deadlocking latchbolt by key either side. • Both knobs always rigid.
	CK4351	Entrance or Office	F109	• Deadlocking latchbolt by knob either side, except when turn button locks outside knob. Pushing turn button in locks outside knob, requiring use of key outside to unlock. • Turning inside knob unlocks outside knob. • Pushing in and turning button locks outside knob, requiring key at all times. Turning inside knob does not unlock outside knob until button is manually turned to unlocked position. • Inside knob always free.
	CK4355	Classroom	F84	• Deadlocking latchbolt by knob either side, except when key outside locks outside knob. • Outside knob unlocked by key outside. • Inside knob always free.
	CK4357	Storeroom or Closet	F86	• Deadlocking latchbolt by key in outside knob or by rotating inside knob. • Outside knob always rigid. • Inside knob always free.
	CK4350	Half Dummy Trim	—	• Knob acts as pull only; no operation. • Knob is rigid.

 Indicates rigid knob.

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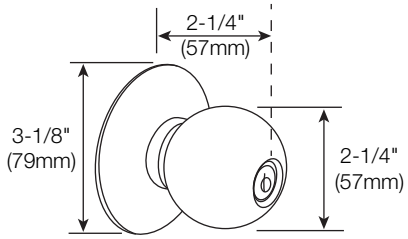
Global

Brass or stainless steel



GRD

Knob: Wrought reinforced
Rose: Wrought reinforced



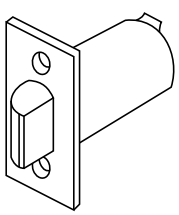
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Options and Accessories

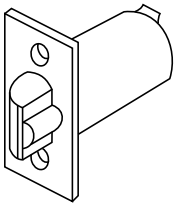
CK4300 Series

Latches

To order latchbolt separately, specify Part No. x Finish (e.g., 787F65 x 630).



Plain



Deadlocking

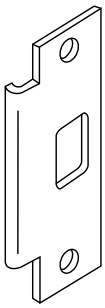
Description	Plain	Deadlocking
2-3/4" (70mm) Backset Square corner front, 2-1/4"(57mm) x 1-1/8"(29mm) universal	787F65	787F66

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Options and Accessories

CK4300 Series

Strikes

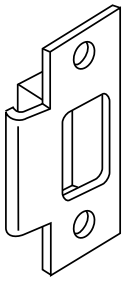


ANSI Curved Lip (standard)
Brass or stainless steel
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center

Optional lip lengths: 1" (25mm), 1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

To order optional strike with lockset, see Quick Codes, page 9.

To order separately, specify 217L13 x Lip Length x Finish.



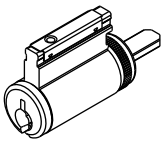
Curved Lip "T" Strike
Brass
2-3/4" (70mm) x 1-1/8" (29mm) x 1-1/4" (32mm) lip to center

Optional lip lengths: 1" (25mm), 1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

To order optional strike with lockset, see Quick Codes, page 9.

To order separately, specify 586L19 x Lip Length x Finish.

Cylinders



	Standard Cylinder Finishes: 606, 626
Conventional	2000-031H (standard)
Security	2010-031H
Pyramid High Security	2020-031H
Pyramid Security	2027-031H
Access 3® - AP	2500-031H
Access 3® - AS	2600-031H
Access 3® - AHS	2700-031H

Plug diameter for standard and Access 3 cylinders is .509, .552 for security cylinders and .496 for Pyramid cylinders.
Cylinders are brass and come with 2 nickel silver keys.
To order optional cylinder with lockset, see Quick Codes, page 9.
To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 2000-031H x L4 x 626).

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How to Order

CK4300 Series

Ordering Examples

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
100	CK4355	GRD	630	RHR

Where to find ordering information and quick codes

Series/Function	Page 4
Trim Designs	Page 5
Finish	Page 9
Handing	Page 9
Door Thickness	Page 9
Backset	Page 9
Strike	Page 9
Miscellaneous Option	Page 9
Cylinder and Keying	Page 9

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Door Thickness	Backset	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	CK4355	GRD	630	RHR	1-3/4"	2-3/4"	SC112	M02	PS	VKC1

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Quick Codes

CK4300 Series

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
Security	HS
Access 3® AP Fixed Core	AP
Access 3® AS Fixed Core	AS
Access 3® AHS Fixed Core	AHS
Pyramid Security	PS
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
- No stamping	VKCO
- Keys only	VKC1
- Cylinders and keys (not for HS or CHS)	VKC2
- Cylinders only (not for HS or CHS)	VKC3
Concealed key control (CKC)	
CKC cylinders with VKC keys	CKC2
CKC cylinders only	CKC3
2 keys per lock More than 2 keys	(standard) KY# (e.g., KY6)

1. Available 0-bitted & keyed random (KR) only

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws	M04
ANSI wrought strike box	M17

Backset

Description	Specify
2-3/4" (70mm)	(standard)

Finish

ANSI/BHMA	Description
605	Bright Brass
613E	Dark Oxidized Satin Bronze - equivalent
630	Satin Stainless Steel

Strikes

Lip to Center	ANSI Curved Lip Specify	T-Strike Curved Lip Box Specify
1" (25mm)	SA100	SC100
1-1/8" (29mm)	SA118	SC118
1-1/4" (32mm)	(standard)	SC114
1-3/8" (35mm)	SA138	SC138
1-1/2" (38mm)	SA112	SC112
1-3/4" (44mm)	SA134	SC134
2" (51mm)	SA200	SC200
2-1/4" (57mm)	SA214	SC214
2-1/2" (63mm)	SA212	SC212
2-3/4" (70mm)	SA234	SC234
3" (76mm)	SA300	SC300

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How to Specify

CK4300 Series

Suggested Specifications

All locksets shall be CK4300 Series Heavy-Duty Cylindrical Knob Locksets as provided by Corbin Russwin Architectural Hardware, Berlin, Connecticut.

Locksets shall have a steel chassis, zinc dichromate plated for rust resistance, which fits a 2-1/8" (54mm) door preparation. Latchbolts shall have a 1/2" (13mm) throw.

The standard backset shall be 2-3/4" (70mm).

Cylinders shall be 6-pin, constructed of brass, with conventional, security, and high security cores available.

All locksets shall be listed by Underwriters Laboratories for A label and lesser class single doors, 4' x 8' .

Certification:
ANSI/BHMA A156.2 Series 4000, Grade 1

All locks, trim and cylinders shall be from one manufacturer.

All locksets shall carry a three-year limited warranty.

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Notes

CK4300 Series

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Corbin Russwin

ASSA ABLOY

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Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada
ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

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Corbin Russwin

ASSA ABLOY

CK4400 Series

Standard Duty Cylindrical Knob Locksets



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in door opening solutions



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Applications

CK4400 Series

Applications

An outstanding combination of value and performance. Ideal for quality residential and light commercial buildings, such as:

- Fine homes
- Apartments
- Motels
- Offices

Advantages

- Wide array of functions
- Precision manufactured mechanisms, zinc dichromated for corrosion resistance
- Stainless steel latchbolt for long life
- Adjustable latchbolts accommodates flat and beveled doors
- Stainless steel trim available

Table of Contents

Applications.....2
Features.....3
Functions.....4
Trim Designs.....5
Options and Accessories 6
Cylinders/How to Order 8
Helpful Terms 10
How to Specify 11

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Features

CK4400 Series

Features

Handing
Field reversible.

Door Thickness
1-3/8" (35mm) - 1-3/4" (44mm) standard.

Backset
2-3/4" (70mm) standard.
Optional: 2-3/8" (60mm), 3-3/4" (95mm) and 5" (127mm); see How to Order, page 9.

Lock Chassis
Steel, zinc dichromated for corrosion resistance.

Front
Wrought brass, bronze, or stainless steel, 2-1/4" (57mm) x 1-1/8" (29mm) standard. Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm). Optional fronts available; see How to Order, page 9.

Latchbolt
Brass or stainless steel, 1/2" (13mm) throw.

Auxiliary Latchbolt
Deadlocking latchbolt prevents manipulation when door is closed.

Strike
Wrought brass, bronze, or stainless steel ANSI curved lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available; see How to Order, page 9.

Cylinder
Brass, 6-pin L4 keyway, 0-bitted standard.

Keying Features Available
Master keying
Construction master keying

Keys
Two nickel silver standard.

Warranty
One-year limited.

Certification/Compliance

ANSI/BHMA
Certified and meets A156.2 Series 4000, Grade 2. BHMA CERTIFIED

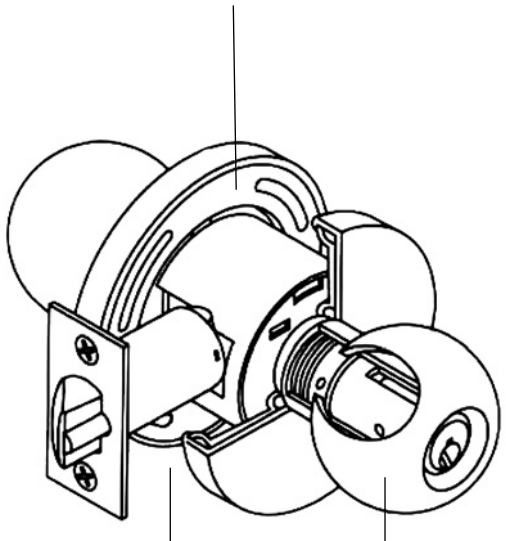
Federal
Meets FF-H-106C.
UL-cUL

UL/ULC
All locks with listed for A label and lesser class single doors, 4' x 8'.
Letter F and UL symbol on latch front indicate listing.

Any retrofit or other field modification to a fire-rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Finishes

ANSI/BHMA 605 (US3)	Bright Brass
ANSI/BHMA 612 (US10)	Satin Bronze
ANSI/BHMA 613 (US10B)	Oxidized Bronze, Oil Rubbed
ANSI/BHMA 629 (US32)	Bright Stainless Steel
ANSI/BHMA 630 (US32D)	Satin Stainless Steel

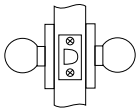
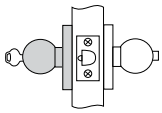
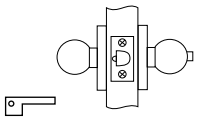
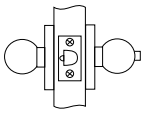
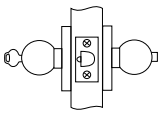
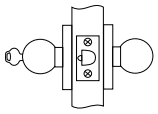
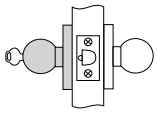
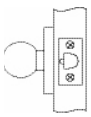
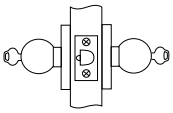
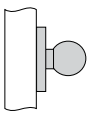


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Functions

CK4400 Series

Outside / Inside	Series/Function	Type	ANSI No.	Function Description
	CK4410	Passage or Closet	F75	• Latchbolt by knob either side. • Both knobs always free.
	CK4429	Hotel or Motel	F93	• Deadlocking latchbolt by knob inside or by key outside. • Push button shuts out all keys except emergency key, and projects occupancy indicator in face of cylinder. • Push button released by turning inside knob or by closing door.* • Outside knob always rigid. • Inside knob always free.
	CK4430	Privacy, Bedroom or Bathroom	F76A	• Deadlocking latchbolt by knob either side. • Outside knob locked by push button. • Outside knob unlocked by turning slotted button outside, by rotating inside knob, or by closing door. • Inside knob always free.
	CK4440	Patio or Privacy	F77A	• Deadlocking latchbolt by knob either side, except when push button locks outside knob. • Push button released by turning inside knob or by closing door. • Inside knob always free.
	CK4451	Entrance or Office	F109	• Deadlocking latchbolt by knob either side, except when turn button locks outside knob. • Pushing turn button in locks outside knob, requiring use of key outside to unlock. • Turning inside knob unlocks outside knob. • Pushing in and turning button locks outside knob, requiring key at all times. Turning inside knob does not unlock outside knob until button is manually turned to unlocked position. • Inside knob always free.
	CK4455	Classroom	F84	• Deadlocking latchbolt by knob either side except when key outside locks outside knob. • Outside knob unlocked by key outside. • Inside knob always free.
	CK4457	Storeroom or Closet	F86	• Deadlocking latchbolt by key in outside knob, or by rotating inside knob. • Outside knob always rigid. • Inside knob always free.
	CK4480	Communicating or Exit	F111	• Deadlocking latchbolt by knob outside only. • Blank rose inside; no inside operation.
	CK4482	Store Door	F91	• Deadlocking latchbolt by knob either side, except when key either side locks both knobs. • Keyed alike unless otherwise specified.
	CK4450	Half Dummy Trim	—	• Knob acts as pull only; no operation. • Knob is rigid.

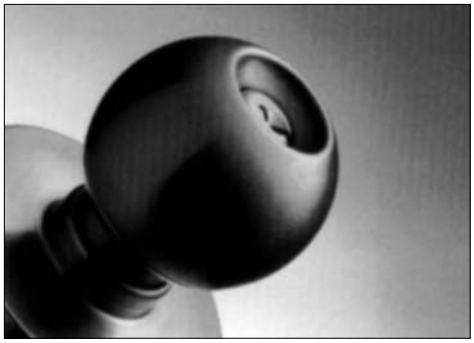
 Indicates rigid knob.

*Unless push button has been fixed in locked position by spanner key (furnished). When push button is fixed by spanner key, lock is operable only by emergency key or by display key.

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Trim Designs

CK4400 Series



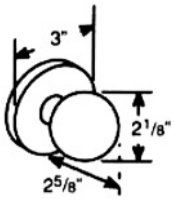
Global

Brass, bronze or stainless steel



GWC

Knob: Wrought
Rose: Wrought reinforced



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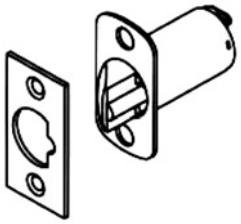
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Options and Accessories

CK4400 Series

Latches

Deadlocking feature standard, preventing manipulation when door is closed.
To order optional latchbolt with lockset, see How to Order, page 9.
To order latchbolt separately, specify Part No. x Finish (e.g. 574F55 x 626).

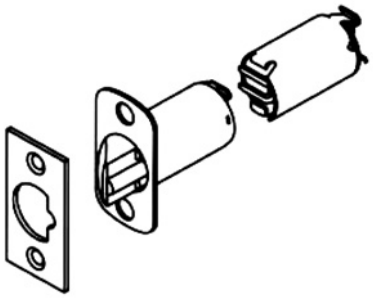


Description	Series/Function	Part NO.
2-3/4"(70mm) Backset	CK4410, CK4451, CK4455, CK4457, CK4480, CK4482	574F55
	CK4429, CK4430, CK4440	574F56
2-3/8"(60mm) Backset	CK4410, CK4451, CK4455, CK4457, CK4480, CK4482	574F29
	CK4429, CK4430, CK4440	574F30

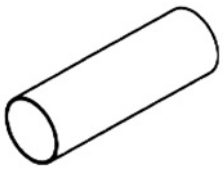
Extended Backsets

When 3-3/4" (95mm) backset is specified, Extension Unit and Connecting Tube will be furnished for use with 2-3/8"(60mm) backset latch. When 5" (127mm) backset is specified, Extension Unit and Connecting tube will be furnished for use with 2 3/4" (70mm) backset.
To order optional backset with lockset, see How to order, page 9.
To order backset Extension Unit and Connecting Tube, specify Part No. 574F25 for 3-3/4" (95mm) or Part No. 574F26 for 5" (127mm).

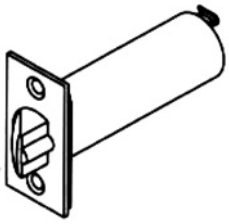
Extension Unit



Connecting Tube



Assembled Unit

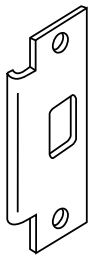


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Options and Accessories

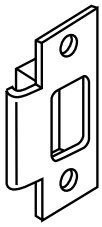
CK4400 Series

Strikes



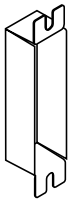
ANSI Curved Lip (standard)

Brass or stainless steel.
4-7/8" x 1-1/4" x 1-1/4" lip to center.
Optional lip lengths: 1", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 2-3/4", 3".
To order with lockset, specify quick code found on pages 9.
To order separately, specify 217L13 x Lip Length x Finish.



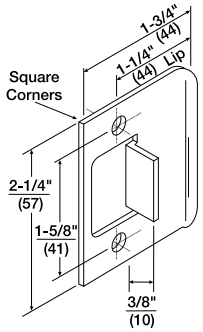
Curved Lip Box

Brass.
2-3/4" x 1-1/8" x 1-1/4" lip to center.
Optional lip lengths: 1", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 2-3/4", 3".
To order with lockset, specify quick code found on pages 9.
To order separately, specify 586L19 x Lip Length x Finish.



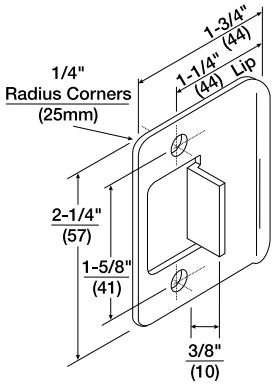
ANSI Wrought Strike Box

To order with lockset, specify quick code found on page 9. To order separately, specify 120F768.



Full Lip Strike – 1/4" Radius Corners

Brass or stainless steel.
Similar in dimension and function to L50 strike (above) but with radius corners for easy mortising by power tools. To order separately specify 680L51M020 x Finish.
Anti-rattle tab.



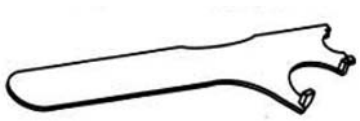
Full Lip Strike

Brass or stainless steel.
2-1/4" x 1-3/4" x 1-1/4" lip to center.
No optional lip lengths.
To order separately specify 680L50M020 x Finish.
Anti-rattle tab.

Tools

Knob Cover Removal Tool

To order, specify 506F57-8.



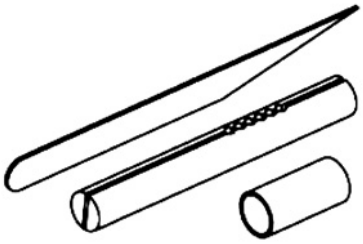
Knob Removal Tool

To order, specify 574F15-8.



Cylinder Shell Loading Kit

To order, specify CT-10.



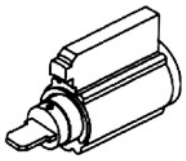
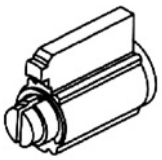
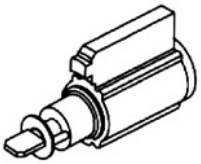
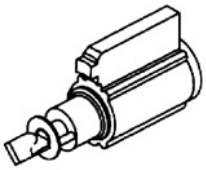
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Cylinders/How to Order

CK4400 Series

Cylinders

Standard Cylinder .509" plug diameter conventional Brass, 6-pin 2 nickel silver keys Finishes: 606, 619				
Series/Function	All except CK4429	CK4455, CK4482 before August 1993	CK4429 with straight tailpiece	CK4429 with twisted tailpiece
Conventional 6-pin (standard)	2000-044	2003-044	2001-044	2001-066

Ordering Examples

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
100	CK4451	GWC	630	RHR

Split Finish Order

Privacy function CK4430 only; inside finish 629 only.

Quantity	Series/ Function	Finish			Hand
		Trim	Outside	Inside	
12	CK4430	GWC	605	629	RH

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Optional Strike	Backset	Misc. Options	Keying
24	AA1	CK4451	GWC	630	RHR	SA134	B238	M17	VKC1

Where to find ordering information and quick codes

Series/Function	Page 4
Trim Designs	Page 5
Finish	Page 9
Handing	Page 9
Door Thickness	Page 9
Strike	Page 9
Backset	Page 9
Miscellaneous Options	Page 9
Cylinder and Keying	Page 9

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Quick Codes

CK4400 Series

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
Keys only	VKC1
Concealed key control (CKC)	
CKC cylinders with VKC keys	CKC2
CKC cylinders only	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)

Strikes

ANSI Lip to Center	ANSI Curved Lip Specify	Curved Lip Box Specify	Full Lip Specify	Full Lip Radius Corner Specify
1" (25mm)	SA100	SC100	N/A	N/A
1-1/8" (29mm)	SA118	SC118	N/A	N/A
1-1/4" (32mm)	(standard)	SC114	SF114	SF114
1-3/8" (35mm)	SA138	SC138	N/A	N/A
1-1/2" (38mm)	SA112	SC112	N/A	N/A
1-3/4" (44mm)	SA134	SC134	N/A	N/A
2" (51mm)	SA200	SC200	N/A	N/A
2-1/4" (57mm)	SA214	SC214	N/A	N/A
2-1/2" (64mm)	SA212	SC212	N/A	N/A
2-3/4" (70mm)	SA234	SC234	N/A	N/A
3" (76mm)	SA300	SC300	N/A	N/A

Backset

Description	Specify
2-3/8"(60mm)	B238
2-3/4" (70mm)	(standard)
3-3/4" (95mm)	B334
5" (127mm)	B500

Handing

Description	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Finishes

Description		Specify
ANSI/BHMA 605 (US3)	Bright Brass	605
ANSI/BHMA 612 (US10)	Satin Bronze	612
ANSI/BHMA 613 (US10B)	Oxidized Bronze, oil rubbed	613
ANSI/BHMA 629 (US32)	Bright Stainless Steel	629
ANSI/BHMA 630 (US32D)	Satin Stainless Steel	630

Door Thickness

Door Thickness	Specify
1-1/4"(32mm) - 1-3/4" (44mm)	(standard)

Miscellaneous Options

Description	Specify
1" latch front, square corners (for 2-3/8" backset only)	M14
ANSI wrought strike box	M17
Abrasive coat outside and inside	M23
Abrasive coat inside	M24
Abrasive coat outside	M25

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Helpful Terms

CK4400 Series

Abrasive Coat
Hard granular material applied to a knob or lever to provide a non-slip tactile surface for the visually impaired.

Auxiliary Latchbolt
A supplementary latch which, when the door is closed, automatically deadlocks the latchbolt. Protects the latchbolt from forced retraction or "credit carding."

Backset
The distance from the front of the lock to the centerline of the cylinder or knob/lever hub.

Bevel
The angle of the edge of a door in relation to the inside and outside surfaces of the stile. The most common bevel for commercial doors is 1/8" in 2".

Box Strike
A strike equipped with an enclosure behind the hole(s) for the latchbolt and/or deadbolt. Protects the strike area from mortar and cement.

Chassis
The housing of a lockset, containing most of the working parts.

Curved Lip Strike
A strike with the lip curved to conform to the detail of the door frame.

Dummy Trim
Trim only, without the lock or latching mechanism, usually used on the inactive door of a pair of doors for design balance.

Front
The part of a lock visible on the edge of a door.

Hand
The direction a door swings.

Latchbolt
A lock component having a beveled end that projects from the lock front but may be forced back into the chassis by end pressure or drawn back by action of the retractor. When the door is closed, the latchbolt projects into a hole provided in the strike, holding the door in the closed position.

Strike
A metal plate that is pierced or recessed to receive the deadbolt or latchbolt of a lock (sometimes called a keeper).

Throw
The distance that a lock's deadbolt or latchbolt projects when in the locked position. The effective throw is the distance that a latchbolt projects when deadlocked.

Wrought Strike Box
A metal box mounted behind the strike to protect the strike opening from mortar or cement.

Keying and Cylinder Terms

Construction Master Keying (CMK)
A cylinder preparation which allows temporary access by construction personnel.

Cylinder
A lock component containing the combination which determines which keys will operate.

Key Section
The cross-section of a key blade, as viewed from bow to tip.

Key Symbol
A letter/number combination in standard industry format (e.g., 1AA, AA1, etc.) which indicates exactly how a key or cylinder fits into a keying system.

Keyway
The opening in a cylinder plug through which the key enters.

Master Keying
Preparation of a cylinder to operate with keys or different levels of access.

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How to Specify

CK4400 Series

Suggested Specification

All locksets shall be CK4400 Series Standard Duty Cylindrical Knob Lockets as manufactured by Corbin Russwin Architectural Hardware.

Locks shall have a steel chassis with zinc dichromate plated parts for rust resistance.

All knobs and roses shall be of reinforced construction. All inside and outside knobs shall be of the same profile and projection for aesthetic continuity.

All locksets and latchbolts shall be field reversible for ease of installation.

The latchbolt shall be adjustable to accommodate flat or beveled doors, shall have a 1/2" throw and shall include an auxiliary deadlocking feature to inhibit manipulation when door is closed.

All locksets shall be furnished with 2 nickel silver keys. All cylinder plugs shall be furnished with 6-pin chambers for expanded master keying capabilities.

All locksets shall be listed by Underwriters Laboratories for A label and lesser class single doors, 4' x 8'.

Certification:
Federal Specification FF-H-106C
UL-cUL 3-Hour Fire Rating
ANSI/BHMA A156.2 Series 4000, Grade 2

All locks, trim and cylinders shall be from one manufacturer.

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

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For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

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Corbin Russwin

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DC3000 Series

Door Closers



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in door opening solutions



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Applications

DC3000 Series

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DC3000 Series

Applications

The mid-priced, cost-effective choice for high-traffic situations. The DC3000 Series Door Closers fulfill security and life safety requirements by ensuring reliable latching for access control and fire code compliance, along with ease of operation and precise adjustability for barrier-free code compliance. Ideal for virtually all door openings and draft conditions in both new construction and renovations, including:

- Schools and universities
- Health care
- Government
- Commercial and industrial
- Office and retail
- Transportation and utilities
- Hotels and conference centers
- Religious

Advantages

- Meets or exceeds ANSI/BHMA A156.4 Grade 1 requirements
- Compliance with building and barrier-free codes
- Up to full 180° door opening
- One-piece seamless steel spring tube seals in hydraulic fluid
- Tapered valves allow precise adjustment
- Cast iron body
- Quik-Install™ mounting bracket speeds installation, reducing cost and errors
- 15-year limited warranty
- UL10C, UBC
- Powder painted arms and retrofit plates

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Features

DC3000 Series

Overview of Features

Features	DC3200 Closers
Spring power	Multi-sized; Adjustable 1-6
Latching speed valve	Standard
Closing speed valve	Standard
Backcheck intensity valve	Standard
Delayed action valve	Optional
Parallel arm mounting	Optional
Top jamb mounting	Optional
Hold open	Optional
Sex nuts and bolts (SNBs)	Optional
Corrosion protection	Optional
Full cover	Standard
15-year warranty	Standard
Heavy-duty regular arm	Optional
Heavy-duty parallel arm	Optional
Backstop arm	Optional

Finishes		
Old Designation	**Description**	**Specify**
USP	Primed	600
N/A	Dark Oxidized Satin Bronze - equivalent	613E
SBL	Silver Aluminum	689
LBL	Dark Bronze	690
DBL	Light Bronze	691
FBL	Black	693
GBL	Satin Brass	696
N/A	Black Suede Powder Coat	BSP

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Features

DC3000 Series

Features

Spring Power
Multi-sized; fully adjustable 1 through 6.

Handing
Non-handed.

Body
Cast iron case with seamless cold-headed steel spring tube.

Arm
Standard: forged steel. Optional arms, pages 7 and 8.

Spindle
Cold-headed heat-treated steel.

Piston
1-3/8" diameter; Precision machined, heat-treated steel.

Springs
Chrome silicon wire.

Valves
Latching speed, closing speed and backcheck intensity valves standard. Delayed action valve optional (preset for 20 seconds; between 90° and 70° for all mountings.) To order, specify M71.

Seals
"O"rings.

Fluid
Standard high lubricity extreme temperature hydraulic fluid.

Degree of Opening
Up to full 180° opening standard for regular, top jamb and parallel arm mountings, conditions permitting.

Power Adjustment Arm Bracket
15% adjustment standard.

Cover
Non-metallic full cover.

Mountings
Standard: regular arm and top jamb. Parallel arm or tri-style packaging - specify DC3210
Optional mountings; see page 6.

Mounting Bracket
Quik-Install™ mounting bracket standard.

Fasteners
Standard: self-drilling screws.
Optional: sex nuts and bolts (SNBs); Specify M54.

Corrosion Protection
Painted protective coating on all metal surfaces for use in corrosive environments. Specify M75.

Warranty
15-year limited warranty. Refer to Corbin Russwin price book for details.

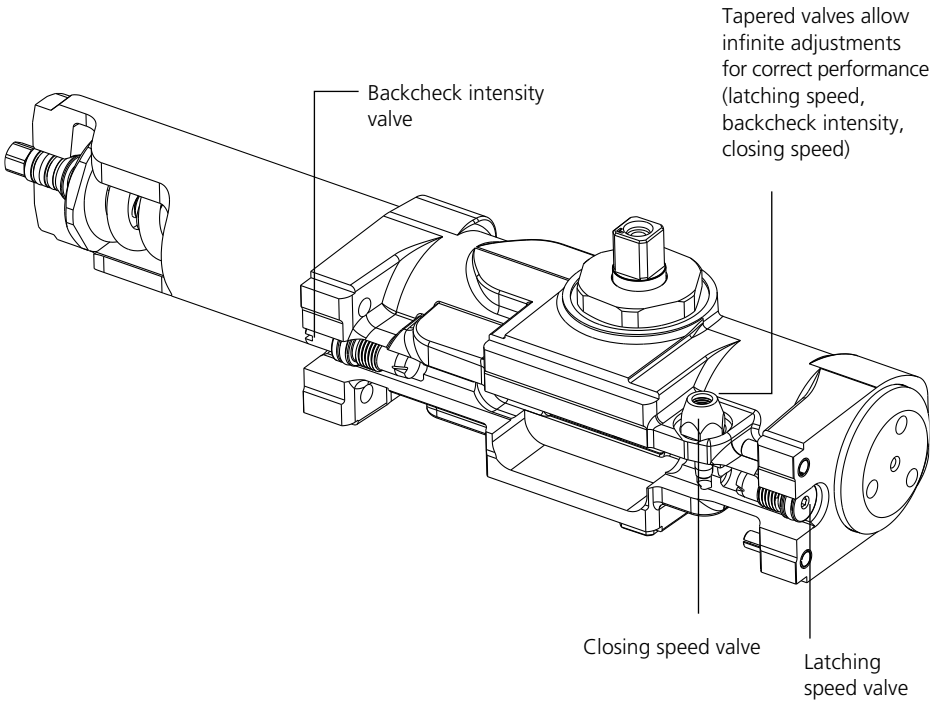
Certification/Compliance

Barrier-Free Code Compliance
The DC3000 Series Door Closers listed below conform to the 5 lbf. maximum door opening force requirement for non-fire-rated interior hinged doors, according to:

Americans with Disabilities Act (ADA)
Complies with the Accessibility Guidelines for Buildings and Facilities, Section 4.13.11.

ANSI/BHMA Certified
A156.4, Grade 1.
A117.1.

UL / ULC / UL10C
Listed for fire and cycle requirements.



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Mountings

DC3000 Series



DC3200 Regular Arm Mounting

- Most common mounting, providing the greatest closing efficiency
- Closer is mounted on the pull side, with the arm perpendicular to the face of the door
- Arm bracket is attached to the door frame



DC3210 Parallel Arm Mounting

- Allows inside application of closer on out-swinging doors
- Closer is mounted on the push side, with the arm parallel to the face of the door
- Arm does not project from the opening



DC3220 Top Jamb Mounting

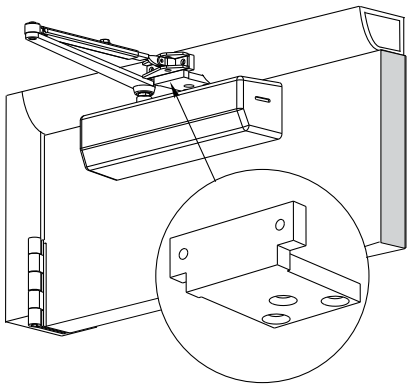
- Accommodates reveals up to 3-1/4" (83mm)
- Closer is mounted on the push side, with the arm perpendicular to the face of the door
- Arm bracket is mounted on the door
- Minimum 1-3/4" (44mm) top jamb required

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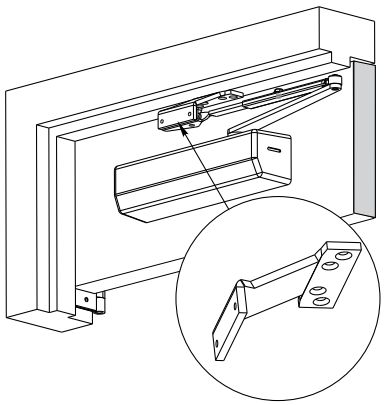
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Mountings

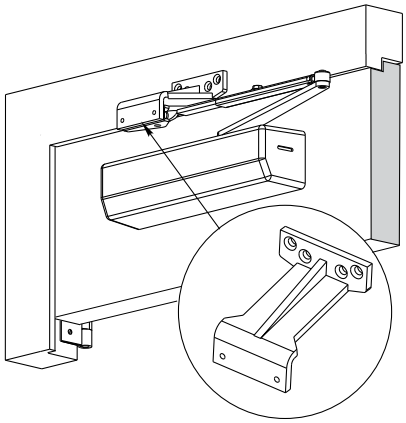
DC3000 Series



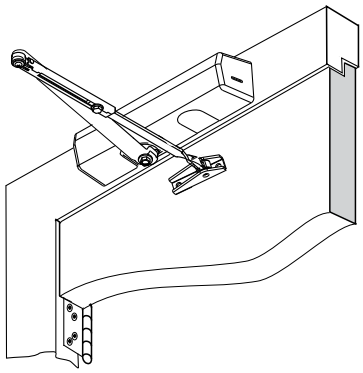
Regular Arm Mounting with Mortise Arm Bracket
Used on inadequately reinforced frames, such as those with bull nose trims.



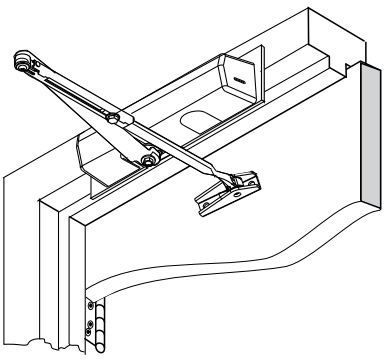
Parallel Arm with Offset Angle Bracket Mounting
Allows parallel arm mounting when used with an overhead door holder.



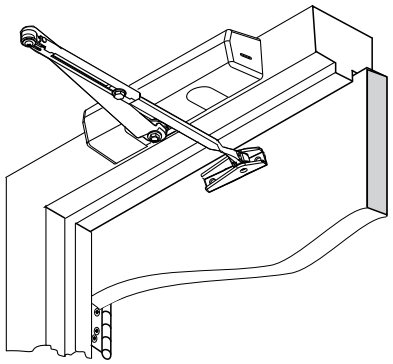
Parallel Arm Mounting with Flush Transom Bracket
Allows parallel arm mounting on flush transom applications.



Top Jamb Flush Transom Mounting
Closer is top jamb mounted on the push side; arm is attached to the door.



Narrow Frame Mounting
For use when the frame is too narrow for a normal top jamb or top jamb track mounting. (Shown with 188F65 drop plate)



Top Jamb Deep Reveal Mounting
For reveals greater than 3-1/4" (83mm), up to 7-1/4" (184mm).

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Door Closer Arms

DC3000 Series

688F95
(Non-Hold Open)

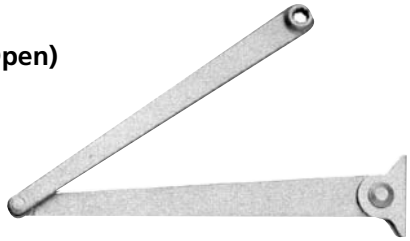


688F77
(Hold-Open)



Regular Arm
- Used with regular arm mounting (pull side) and top jamb mounting (push side)
- Non-Hold Open arm standard on the DC3200
- Hold Open arm optional, specify closer x **A1***

597F52
(Non-Hold Open)



Heavy-Duty Regular Arm
- Recommended for high-use, high-abuse environments
- Tamper-resistant, solid forged steel riveted arm
- Mounted on pull side
- Optional on DC3200 closer, specify closer x **A10**

688F95 x 188F41
(Non-Hold Open)



688F77 x 509F49
(Hold Open)



Parallel Arm
- Mounted on push side
- Non-Hold Open arm combines regular arm with parallel arm mounting bracket
- Hold Open arm combines regular hold open arm with parallel arm mounting bracket
- Non-Hold Open arm standard on the DC3210
- Hold Open arm optional, specify closer x **A1***

***Not allowed by code on fire doors.**

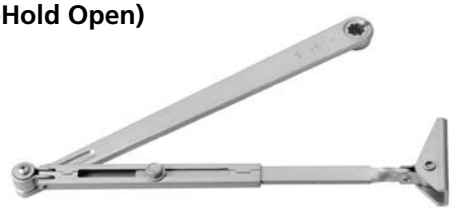
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Door Closer Arms

DC3000 Series

688F95
(Non-Hold Open)



688F77
(Hold Open)



Top Jamb

- Used with top jamb mounting (push side); for reveals up to 3-3/4" (95 mm)
- Non-Hold Open arm standard on the DC3220
- Hold Open arm optional, specify closer x **A1***

689F02
(Non-Hold Open)



689F01
(Hold Open)



Heavy-Duty Parallel Arm

- Recommended for high-use, high-abuse environments
- Tamper-resistant, solid forged steel riveted arm
- Mounted on push side
- Optional on DC3210 closers
- Non-hold open arm, specify closer x **A3**
- Hold open arm, specify closer x **A2***. Hold-open range 85° to 110°

689F03
(Non-Hold Open)



689F04
(Hold Open)



Heavy-Duty Reversible Backstop Parallel Arm

- Recommended for high-use, high-abuse environments
- Tamper-resistant, solid forged steel riveted arm (mounted on push side)
- Field-reversible steel lug restricts degree of opening to protect door, wall and hardware
- Requires both backcheck valves on closer
- Shipped standard as left hand. Handing can be reversed in the field
- Optional on DC3210 closers
- Non-hold open arm, specify closer x **A4**. Door stop range 85° to 110°
- Hold open arm, specify closer x **A5***. Door stop/hold open range 85° to 110°

***Not allowed by code on fire doors.**

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Mounting Brackets

DC3000 Series

188F03



Quik-Install™ Mounting Bracket

- Standard on all closers
- Reduces installation time
- Ensures correct mounting
- Bracket is first mounted to door or frame, then closer is attached
- Bracket size: 1-3/4" (44mm) (vertical) x 6" (152mm) (horizontal)
- Hole spacing: 1" (25mm) (vertical) x 4-5/16" (110mm) (horizontal)

244F17



Mortise Arm Bracket for Regular Arm Mounting

- For regular arm mounting where frame requires reinforcement, i.e., on frames with bull nose trim
- Specify closer x M84

188F41



Parallel Arm Non-Hold Open Bracket

- Converts regular arm to parallel arm closer
- Standard with parallel arm mounting
- Packed with five screws and 691F78 spacer

509F49



Parallel Arm Hold Open Bracket

- Converts regular arm hold open to parallel arm hold open closer
- Standard with parallel arm hold open mounting

188F62



Parallel Arm Offset Bracket

- Required when parallel arm is used in conjunction with an overhead door holder
- Specify closer x M83

188F63



Parallel Arm Flush Transom Bracket

- Required when parallel arm mounting is used on a flush transom application
- Specify closer x M82

Specify finish when ordering parts.

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Brackets and Covers

DC3000 Series

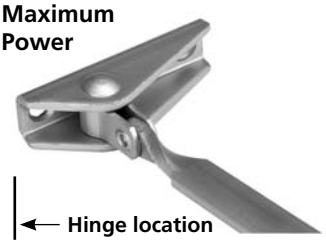


Drop Plate (Option M80)

Permits parallel arm or top jamb mounting on door when top rail is too narrow to install closer in the regular manner. Minimum 2" top rail required. Optional on DC3000 series closers; see Quick Codes, page 13. To order separately, specify drop plate number x Finish

Closer Series	Drop Plates
	Full Cover
DC3210	597F58
DC3220	188F65

Maximum Power



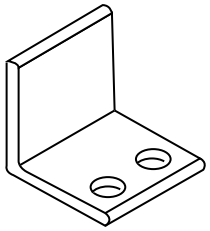
Normal Power



Power Adjustment Arm Bracket

Standard on all closers without hold open. In regular arm or top jamb mounting, bracket may be reversed to increase closing power 15%.

447F14



Angle Support Bracket and Spacer

- Available separately for mounting of A2, A3, A4 and A5 heavy-duty arms on narrow frame or soffit conditions
- Specify closer x M85

597F78



Full Cover

- Standard on all DC3000 series door closers
- Completely covers closer body
- Non-handed
- Dimensions: 11-5/8" (295mm) x 3" (76mm) x 2-3/4" (70mm) deep

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Size and Handing

DC3000 Series

Factors in Determining Closer Size

1 - Weight and Height of Door

Doors vary in weight from light hollow-core wood doors to heavy metal doors. Door sizes listed in the chart are based on doors of standard weight and height. Extra-light or extra-heavy weight or unusual height must be compensated for.

2 - Draft and Wind Conditions

Draft and wind conditions are perhaps the most important factors to consider in determining the closer size required. Sizes listed in the chart apply to normal conditions. Stairwells, air conditioning, building construction, and door location can cause strong draft and wind conditions; these may necessitate adjusting spring power to a larger size or using a closer one size larger.

3 - Code Compliance

A multi-sized, fully adjustable closer such as the DC3200 closer provides the greatest flexibility in balancing barrier-free access, security and life safety codes. However, when a manual closer is installed and adjusted to comply with ADA or any other reduced opening force requirements, it may no longer have sufficient power to close and latch the door reliably.

Recommended Door Closer Sizes

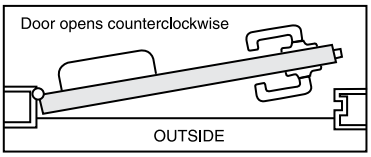
Mounting	Size Of Door			Recommended Closer Size Adjusted
	Interior	Exterior In-swinging	Exterior, Out-swinging	
Regular or Top Jamb	2'4"	–	–	1
	3'0"	–	–	2
	3'6'	2'6"	3'0"	3
	4'0"	3'0"	3'6"	4
	4'6"	3'6"	4'0"	5
	5'0"	4'0"	4'6"	6
Parallel Arm	2'4"	–	–	1
	2'6"	–	–	2
	3'0'	–	2'6"	3
	3'6"	–	3'0"	4
	4'0"	–	3'6"	5
	4'6"	–	4'0"	6

Handing

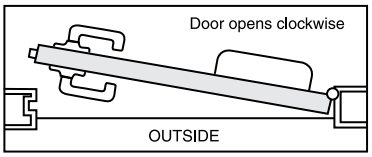
Refers to the direction a door swings; always determined from the outside of the door.

Regular Mounting

Door: left hand
Closer: left hand pull side

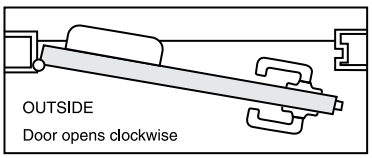


Door: right hand
Closer: right hand pull side

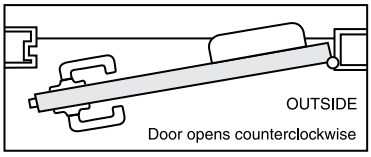


Parallel Arm Mounting

Door: left hand reverse bevel
Closer: right hand push side

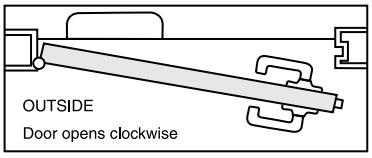


Door: right hand reverse bevel
Closer: left hand push side

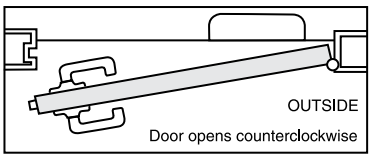


Top Jamb Mounting

Door: left hand reverse bevel
Closer: right hand push side



Door: right hand reverse bevel
Closer: left hand push side



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How to Order

DC3000 Series

ANSI/BHMA A156.4 Certified Closer Cross Reference

ANSI/BHMA Number	Function	Series	PT 4A 15% Power Adjustment	PT 4B 35% Power Adjustment	PT 4C 50% Power Adjustment	PT 4D Adjustable Backcheck	PT 4F Delayed Action PT	4G Dead Stop PT	4H Fully Adjustable
CO2011 (PT1)	Hinge Side Mounting	DC3200	S	S	S	S	O	N/A	S
CO2051 (PT1)	Hinge Side Mounting Holder Arm	DC3200-A1	S	S	S	S	O	N/A	S
CO2021 (PT1)	Parallel Arm Mounting	DC3210	S	S	S	S	O	O	S
CO2061 (PT1)	Parallel Arm Mounting Holder Arm	DC3210-A1	S	S	S	S	O	O	S
CO2041 (PT1)	Top Jamb Mounting	DC3220	S	S	S	S	O	N/A	S
CO2081 (PT1)	Top Jamb Mounting Holder Arm	DC3220-A1	S	S	S	S	O	N/A	S
CO2191 (PT1)	Drop Plate for Frames or Narrow Top Rail Doors	DC3220 w/ 188F65	S	S	S	S	O	N/A	S
CO2201 (PT1)	Drop Plate for Parallel Arm Mounting on Narrow Top Rail Doors	DC3210 w/ 188F65 or 597F58	S	S	S	S	O	O	S

ANSI Performance Requirements: (PT 1)- 2,000,000 cycles
N/A = not available S = standard O = option available

Ordering Examples

Stock Order		
Quantity	Series	Finish
50	DC3200	689

Contract Order						
Quantity	Series	Arm	Finish	Hand	Door Thickness	Misc. Options
150	DC3220	A1	690	RH	D138	M54

Consult factory if door weight exceeds 250lbs.

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Quick Codes

DC3000 Series

Series/Mounting/Size		
Description	**Mounting**	**Specify**
DC3200 Closers Multi-sized; full adjustability from size 1-6	Regular Arm	DC3200
	Parallel Arm	DC3210
	Top Jamb	DC3220

Arm	
Description	**Specify**
Regular non-hold open	(standard)
Hold open	A1*
Heavy-duty parallel with hold open	A2*
Heavy-duty parallel non-hold open	A3
Heavy-duty backstop non-hold open	A4
Heavy-duty backstop with hold open	A5*
Heavy-duty regular non-hold open	A10

*** Hold Open arms cannot be used on fire doors.**

Handing	
Hand	**Specify**
Right Hand/Left Hand Reverse	RH
Left Hand/Right Hand Reverse	LH

Finish		
Description		**Specify**
USP	Primed for Painting	600
N/A	Dark Oxidized Satin Bronze - equivalent	613E
SBL	Silver Aluminum Painted	689
LBL	Dark Bronze Painted	690
DBL	Light Bronze Painted	691
FBL	Black Painted	693
GBL	Satin Brass Painted	696
BSP	Black Suede Powder Coat	BSP

Door Thickness	
Door Thickness	**Specify**
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

Miscellaneous Options	
Description	**Specify**
Sex nuts and bolts (SNBs) (1-3/4" minimum thickness)	M54
Delayed action	M71
Full cover	(standard)
Corrosion protection	M75
Heavy-duty parallel arm flush transom bracket (499F30) used with A2, A3, A4, A5 arms	M79
Parallel arm flush transom bracket (parallel or A1)	M82
Parallel arm offset bracket	M83
Mortise arm bracket (for regular arm mounting)	M84
Angle support bracket	M85
Extreme temperature fluid	(standard)

Drop Plates - order by number (formerly M80)	
Closer Series	**Drop Plate**
DC3210 (parallel)	597F58
DC3220 (top jamb)	188F65

Paint (cans)	
Description	**Specify**
Silver Aluminum	597F94
Dark Bronze	597F95
Light Bronze	597F96
Satin Brass	597F97

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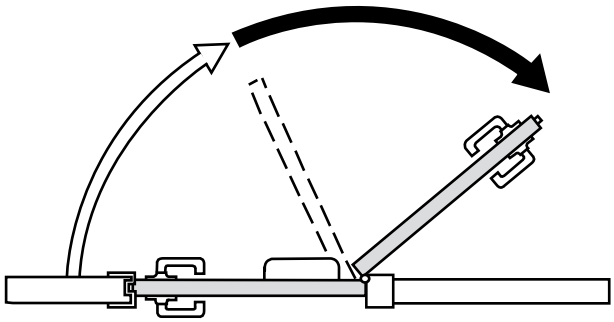
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Helpful Terms

DC3000 Series

Arm
The linkage of a closer that connects the body to the door or frame.

Backcheck
Slows a door during the opening cycle, by providing cushioned resistance to a forceful opening. Designed to protect people and objects behind the door and to prevent damage to the closer, hardware, and wall. Intensity can be increased or decreased. Not intended to act as a stop.



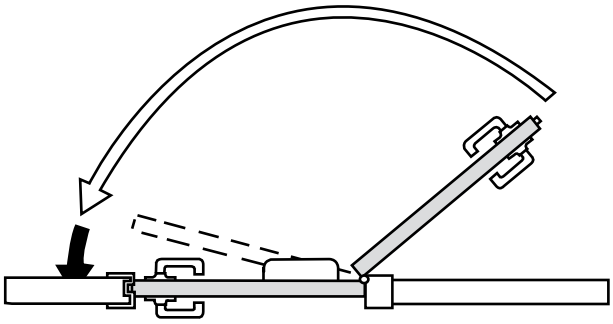
Closing Speed
The speed at which a door swings from the open position to within a few degrees of latching. See Latching Speed.

Corrosion Protection
Additional painted covering on all external parts to deter oxidation and corrosion.

Door Stop
A device to stop the swing of a door.

Hold Open
Maintains door at a particular degree of opening. A mechanical hold open may not be used on labeled fire doors, which must be self-closing.

Latching Speed
The speed of the door during the last few degrees of closing. Allows latching and prevents slamming.



Mounting
The method by which a closer is attached to the door and frame.

Multi-Sized Closer
A closer whose spring tube design allows full adjustment of the spring power size from 1 through 6.

Quik-Install™ Mounting Bracket
Unique bracket that simplifies installation and minimizes installer fatigue.

Sex Nuts and Bolts (SNBs)
Thru-bolts required for all non-steel-reinforced fire doors, and recommended for non-reinforced wood and mineral core doors.

Spring Power
A measurement of closing force, or the ability to overcome draft, air pressure, weight or other resistance to door closing.

Star Punch
An eight-sided socket hole in the closer arm, permitting spindle pre-loading. Provides full functioning of backcheck and delayed action valves, and additional closing force, on parallel arm mountings.

Universal Mounting
The ability of a closer to accommodate either hand of door for regular, top jamb or parallel arm mounting.

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How to Specify

DC3000 Series

Suggested Specifications

All door closers shall be DC3000 Series Door Closers as manufactured by Corbin Russwin Architectural Hardware.

Closers shall be of rack and pinion construction with a triple heat treated cold-formed steel spindle and a steel piston, heat treated and precision machined. Cases shall be of cast iron with a one-piece seamless forged spring tube. A two-piece or seamed spring tube shall not be acceptable. Springs shall be double heat treated and tempered. Closers shall have a heavy-duty, forged steel main arm.

Optional arms shall include parallel, hold open, heavy-duty, heavy-duty hold open, heavy-duty reversible backstop and heavy-duty reversible backstop with hold open.

Closers shall be multi-sized with adjustable spring power to accommodate sizes 1 through 6 in one closer body, such as the Corbin Russwin DC3200 closer. Closing shall be controlled by two valves - one to control closing speed and one to control latching speed. Valves shall be concealed against unauthorized adjustment and shall be non-critical with "O" rings.

Closers shall be available with an adjustable backcheck intensity valve. Delayed action shall be available and accomplished with a separate valve. Valves shall be accessible without removing the closer from the door.

Closers shall be surface applied with rectangular cover, and shall be devoid of manufacturer's trademarks.

Closers shall not project over 2-3/4", and shall be capable of mounting on a 1-3/4" top rail (or top jamb for inverted mounting). Full cover shall be standard. Non-hold open closers shall be regularly furnished with a power adjustment arm bracket capable of providing a 15% power adjustment. A Quik-Install™ mounting bracket to attach the closer shall be regularly furnished. High lubricity hydraulic fluid shall be furnished. Closers mounted top jamb and parallel arm shall allow for full 180° door opening.

Closers shall be listed by Underwriters' Laboratories for closers with non-hold open arms.

Certification:
ANSI/BHMA A156.4, Grade 1

ICC/ANSI A117.1
Closers shall carry a 15-year limited warranty.

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

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For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

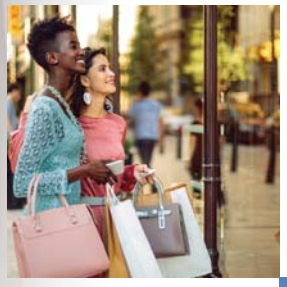
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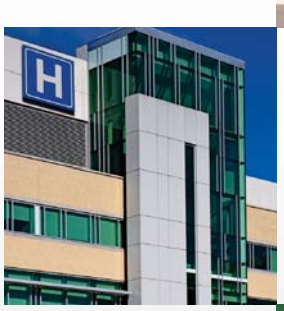
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DC5000 Series

Cam Action Door Closer

Product Catalog

Experience a safer
and more open world

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Introduction

DC5000 Series

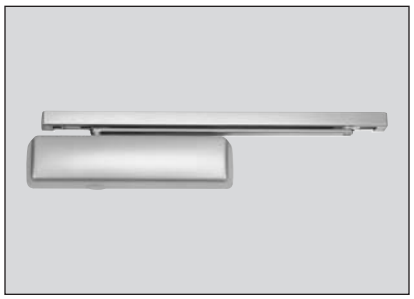


Table of Contents

Introduction.....2
Features..... 3
Mountings..... 4
Accessories 5
How to Order 6
Quick Codes 6
Helpful Terms 7
Specifications..... 8

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Applications

The DC5000 Series is a cam action door closer for slide arm and track applications. The cam action design is ideal, as it provides much greater efficiency than a rack and pinion door closer for slide track applications. The cam action provides much lower opening resistance while delivering optimum closing force and control. The door closer's wide range of adjustable closing power permits use in the most demanding situations. The efficiency and flat power curve comply with the opening force requirements of the Americans with Disabilities Act (ADA).

The DC5000 series cam action door closers come standard with adjustable sweep speed and latch speed, closing control and adjustable backcheck cushioning in the opening cycle. Ideal for door openings in both new construction and renovations, including:

- Hospitals
- Universities
- Office Buildings

Features

- Smooth operation; efficient, powerful, heavy-duty
- Easier to open than rack-and-pinion door closers with track arms
- Slide track application with regular arm operating efficiency
- Slide track standard
- Adjustable spring size 1 through 6
- Adjustable closing force
- Adjustable closing and latching speed
- Backcheck standard
- Non-handed
- Push or pull side installation
- Cast aluminum body

Optional Feature

- Hold open

Advantages

- Compliance with building and barrier-free codes
- Opening range: 140° for Push Side and 110° for Pull Side
- Ten-year limited warranty
- UL10C, UBC
- ANSI/BHMA A156.4 Grade 1 Certified

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45204 6/19

Features

DC5000 Series

Features

Spring Power
Multi-sized; fully adjustable 1 through 6.

Handing
Non-handed.

Body
Cast aluminum body.

Arm
Standard: stamped steel.

Spindle
Machined spline.

Piston
1-1/2" diameter; Precision machined, heat treated steel.

Valves
Latching speed, closing speed and backcheck intensity valves standard.

Seals
"O" rings.

Fluid
Standard: high lubricity extreme temperature hydraulic fluid.

Degree of Opening
140° opening range for Push Side and Pull Side installations. Recommended maximum interior door width is 54" (137cm) and the recommended maximum door weight is 250 lbs.

Note: Door openings greater than 110° can be achieved when an auxiliary door stop (by others) is used. Consult factory for details and templates.

Cover
Standard: non-metallic full cover.

Mountings
Standard: slide track.

Fasteners
Closer Bodies:
Standard: self-drilling screws, 1/4-20 machine screws.
Optional: sex nuts and bolts (SNBs); Specify M54.
Tracks:
Standard: #12 self-drilling screws, #12-24 machine screws.

Warranty
Ten-year limited warranty. Refer to Corbin Russwin price book for details.

Certification/Compliance

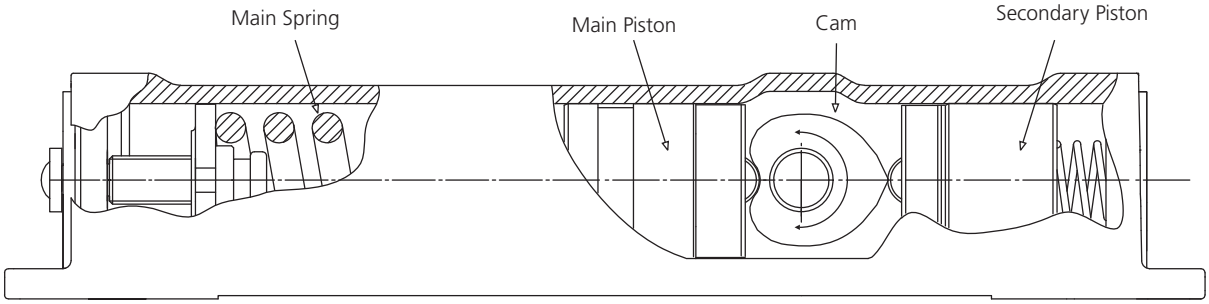
Barrier-Free Code Compliance

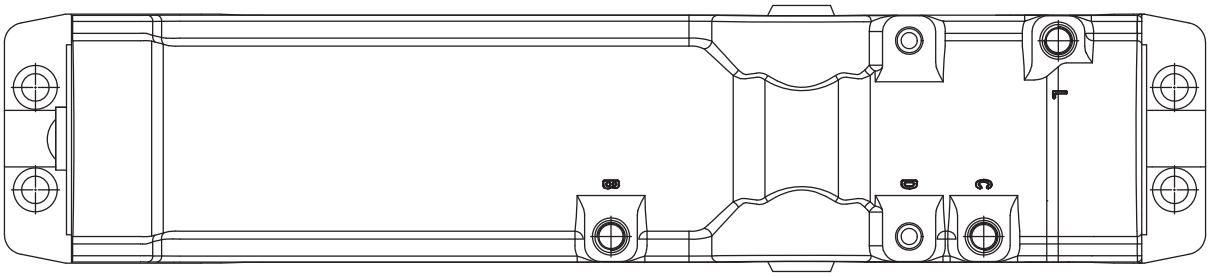
The DC5000 Series Door Closers listed below conform to the 5 lbf. maximum door opening force requirement for non-fire-rated interior hinged doors, according to:

Americans with Disabilities Act (ADA)
Complies with the Accessibility Guidelines for Buildings and Facilities, Section 4.13.11

UL/ULC/UL10c
Listed for fire and cycle requirements.

ANSI/BHMA A156.4 Grade 1





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Mountings

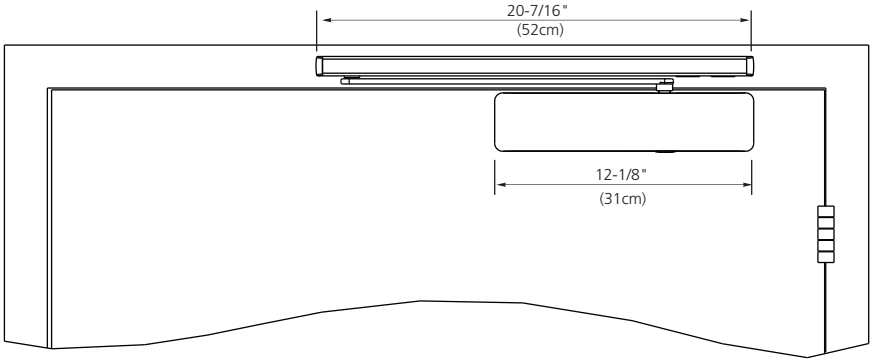
DC5000 Series

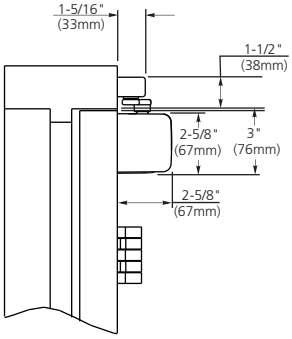


DC5230
HINGE (PULL) SIDE OF DOOR

- Maximum interior door width 54" (137cm).
- An auxiliary stop (by others) is suggested where severe conditions exist.
- 140° swing (trim permitting)

Note: Door openings to 160° can be achieved if an auxiliary door stop (by others) is installed to dead stop the door. Consult factory for details.





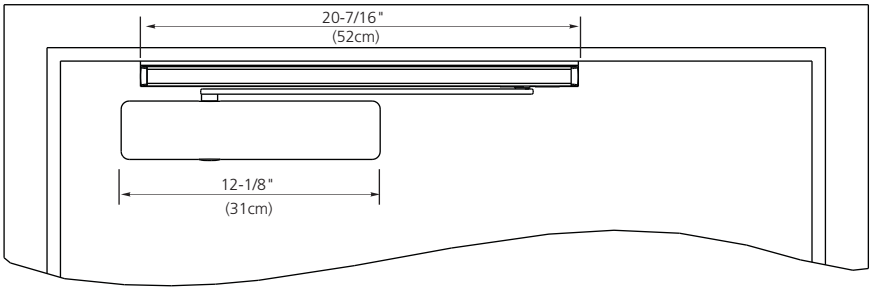
NOTE: Contact factory for use on doors exceeding 250 lbs.

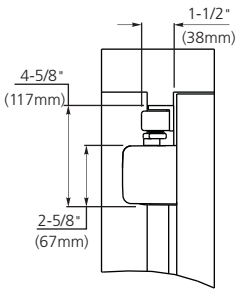


DC5240
STOP (PUSH) SIDE OF DOOR

- Minimum frame reveal is 1-1/2" (13mm).
- An auxiliary door stop is suggested when severe conditions exist.
- 110° swing (trim permitting)

Note: Door openings up to 130° can be achieved if an auxiliary door stop (by others) is installed to dead stop the door. Consult factory for details.





NOTE: Contact factory for use on doors exceeding 250 lbs.

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Accessories

DC5000 Series



Drop Plate

For use where the narrow top rail of the door prevents the closer from being mounted directly to the door surface. This drop plate must be used for closer mounted on a top rail between 1-7/8" and 3-3/8" (48mm and 86mm) in height. To order separately, specify 754F80 x Finish.

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How to Order/Quick Codes

DC5000 Series

Ordering Examples

Stock Order			
Quantity	**Series**	**Arm**	**Finish**
48	DC5230	A1	689

Contract Order				
Quantity	**Series**	**Arm**	**Finish**	**Misc. Options**
100	DC5240	A1	689	M54

Series/Mounting/Size		
Description	**Mounting**	**Specify**
DC5000 Closers Multi-sized; full adjustability from size 1-6	Pull Side Track	DC5230
	Push Side Track	DC5240

Arm	
Description	**Specify**
Regular non-hold open	(standard)
Hold open	A1*

*** Hold Open arms cannot be used on fire doors.**

Handing	
Hand	**Specify**
Right Hand/Left Hand Reverse	RH
Left Hand/Right Hand Reverse	LH

Door Thickness	
Door Thickness	**Specify**
1-3/4" (44mm)	(standard)

Miscellaneous Options	
Description	**Specify**
Sex nuts and bolts (SNBs) (1-3/4" minimum thickness)	M54

Finish		
Description		**Specify**
USP	Primed for Painting	600
SBL	Silver Aluminum Painted	689
LBL	Dark Bronze Painted	690
DBL	Light Bronze Painted	691
FBL	Black Painted	693
GBL	Satin Brass Painted	696

Drop Plate - order by number	
Closer Series	**Drop Plate**
DC5230 (Pull Side Track)	754F80
DC5240 (Push Side Track)	

Retrofit Plate - order by number	
Closer Series	**Retrofit Plate**
DC5230 (Pull Side Track)	754F81
DC5240 (Push Side Track)	

Paint (cans)	
Description	**Specify**
Silver Aluminum	597F94
Dark Bronze	597F95
Light Bronze	597F96
Satin Brass	597F97

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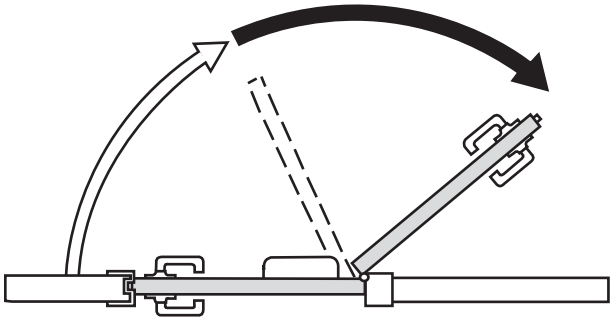
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Helpful Terms

DC5000 Series

Arm
The linkage of a closer that connects the body to the door or frame.

Backcheck
Slows a door during the opening cycle, by providing cushioned resistance to a forceful opening. Designed to protect people and objects behind the door and to prevent damage to the closer, hardware, and wall. Intensity can be increased or decreased. Not intended to act as a stop.

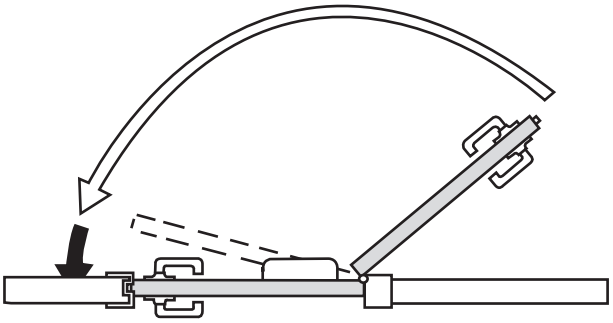


Closing Speed
The speed at which a door swings from the open position to within a few degrees of latching. See Latching Speed.

Door Stop
A device to stop the swing of a door.

Hold Open
Maintains door at a particular degree of opening. A mechanical hold open may not be used on labeled fire doors, which must be self-closing.

Latching Speed
The speed of the door during the last few degrees of closing. Allows latching and prevents slamming.



Mounting
The method by which a closer is attached to the door and frame.

Multi-Sized Closer
A closer whose spring tube design allows full adjustment of the spring power size from 1 through 6.

Sex Nuts and Bolts (SNBs)
Thru-bolts required for all non-steel-reinforced fire doors, and recommended for non-reinforced wood and mineral core doors.

Spring Power
A measurement of closing force, or the ability to overcome draft, air pressure, weight or other resistance to door closing.

Star Punch
An eight-sided socket hole in the closer arm, permitting spindle pre-loading. Provides full functioning of backcheck and delayed action valves, and additional closing force, on parallel arm mountings.

Universal Mounting
The ability of a closer to accommodate either hand of door for regular, top jamb or parallel arm mounting.

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How to Specify

DC5000 Series

Suggested Specifications

1. All door closers shall be DC5000 Series Door Closers as manufactured by Corbin Russwin Architectural Hardware.

2. Door Controls____ (interior) (exterior) swinging door(s) shall be cam and roller design contained within a precision cast aluminum housing.

3. Door closing force shall be adjustable to ensure adequate closing control. Door closing speed shall be controlled by independent hydraulic adjustment valves in the sweep and latch range of the closing cycle. Door closer shall have an adjustable hydraulic backcheck valve to cushion the door speed if door is opened violently.

4. Maximum door open shall be templated to (85°), (90°), (100°), (110°), conditions permitting. Door closer shall have hold open capability with an on/off selector and tension adjustment.

5. Non-hold open units shall be U.L. Listed for self-closing door. Unit shall be in compliance with the requirements of the Americans With Disabilities Act (ADA). ANSI standards A117.1. Units shall meet C-UL US.

6. Closers shall carry a ten-year limited warranty.

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Notes

DC5000 Series

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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For additional information, contact your ASSA ABLOY Door Security Solutions sales consultant or visit **www.corbinrusswin.com.**

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Phone: 800-543-3658
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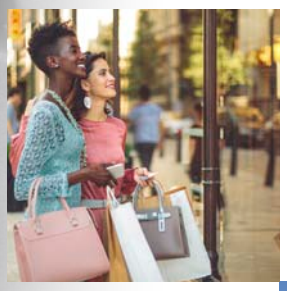
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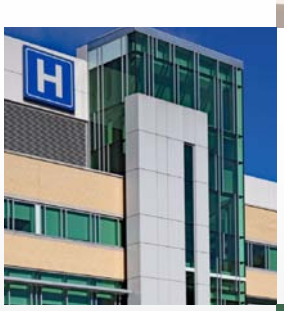


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DC6000 Series

Door Closers

Product Catalog

Experience a safer
and more open world

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ASSA ABLOY

Introduction

DC6000



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www.corbinrusswin.com

Applications

Corbin Russwin's history combines high-quality product and innovative design. That tradition continues with the Grade 1 DC6000 Series door closer, designed and engineered with quality features such as captured valves and a complete range of arms. The DC6000 series is the perfect closer for high-use openings or openings that must meet ADA requirements, such as schools, office buildings, health care facilities, and retail complexes. The series also meets UL and UL10C positive pressure requirements for fire door openings.

Quality

More than meets the eye…The design of the DC6000 Series incorporates internal advantages engineered to provide consistent quality operation. Double O-rings, a robust spring tube design and captured valves ensure longevity.

Security

Engineered to meet high security standards, the DC6000 Series offers a full array of security features. Heavy-duty arms offer increased strength for high-use, high-abuse situations. Captured valves and optional Torx® security screws also assist in security situations by making the closer tamper resistant.

Key Advantages

- Heavy-duty forged arm
- Spring-adjust
- Captured valves
- Self-drilling screws
- Quik-Install™ bracket
- Cast iron body
- Powder painted arms

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Features

DC6000 Series

Versatility

Conditions vary from job to job, but a top-quality product that is dependable, easy to install and versatile is a must. The DC6000 Series door closer is the solution. A variety of features makes this the choice for quick installation and longevity. Corbin Russwin offers a wide variety of arms, tracks and special brackets to meet special header/ frame conditions. The small footprint and unobtrusive cover are additional advantages to a versatile line of closers.

Features	Benefits
Exceeds 25 Million Cycles	Ensures dependability and long life
Closer Arms	Forged steel main arm for strength and durability Full complement to meet most installation demands
Powder Painted Arms	Environmentally safe process
	Greater corrosion resistance
Cover Options	Plastic covers - painted finishes Metal covers - painted or plated finishes
Cast Iron Body	Strong and durable; withstands expected abusive conditions
Captured Valves	Reduces possibility of valve removal
Spring Adjust	Easier to adjust for optimum power setting
Springs	Chrome silicon wire, triple set for longer life
Closer Fluid	Extended temperature oil with friction-reduction additives
Self-Drilling Screws	Easier, quicker installation
Quik-Install™ Bracket	Easier installation of closer body

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Features

DC6000

DC6200 - Multi-Sized
DC6400 - Sizes 1-6, half size adjustable

Features

Spring Power
DC6200 closers: multi-sized; fully adjustable sizes 1 through 6.
DC6400 closers: sizes 1 through 6; half-size adjustability.
For recommended sizes, see page 14.

Handing
Non-handed (with the exception of some arms and accessories).

Body
Cast-iron case with seamless cold headed steel spring tube.

Arm
Standard: forged steel.
Arm options pages 8-10.

Spindle
Heat-treated steel with a crowned gear set for increased efficiency.

Piston
1-3/8" diameter; precision machined, heat-treated steel.

Springs
Chrome silicon wire.

Valves
Latching speed valve standard.

Closing speed valve standard.

Multiple backcheck location valve and backcheck intensity valve standard.

Delayed action valve optional. Delayed action preset for 20 seconds. Between 90° and 70° for all mountings. To order specify M71.

Seals
"O" rings.

Fluid
Standard: high lubricity extreme temperature hydraulic fluid.

Degree of Opening
Up to full 180° opening standard for regular, top jamb and parallel arm mountings, conditions permitting.

Power Adjustment Arm Bracket
15% adjustment standard.

Cover
Standard: plastic V-O flame rated cover.
Optional: full metal cover; specify M73 x hand.

Mountings
Standard: regular or top jamb.
Parallel arm or tri-style packaging: specify DC6210 or DC6410.
Optional mountings available; see Mountings, page 6.

Mounting Bracket
Quik-Install™ mounting bracket standard.

Fasteners
Standard: self-drilling screws.
Optional: sex nuts and bolts (SNBs); specify M54.

Corrosion Protection
Painted protective coating on all metal surfaces for use in corrosive environments.

Security Package
Includes heavy-duty parallel or regular arm, full metal cover and security Torx® machine screws. Specify M87 x arm x hand. See pages 8-12 for arm options.

Warranty
25-year limited warranty. Refer to Corbin Russwin price book for details.

Certification/Compliance

Barrier-Free Code Compliance

The DC6000 Series Door Closers listed below conform to the 5 lbf. maximum door opening force requirement for non-fire-rated interior hinged doors, according to:

Americans with Disabilities Act (ADA)
Complies with the Accessibility Guidelines for Buildings and Facilities, Section 4.13.11

ANSI/BHMA
Meets A156.4, Grade 1.
Meets A117.1.

DC6200
DC6210
DC6220
DC6411
DC6412
DC6421
DC6401

These door closers are certified by Corbin Russwin Architectural Hardware to comply with the above standards when properly installed and (if applicable) adjusted, in regular arm, parallel arm and top jamb mountings.

UL / ULC / UL10c
Listed for fire and cycle requirements.

15 Million Cycles
Witnessed and verified by UL

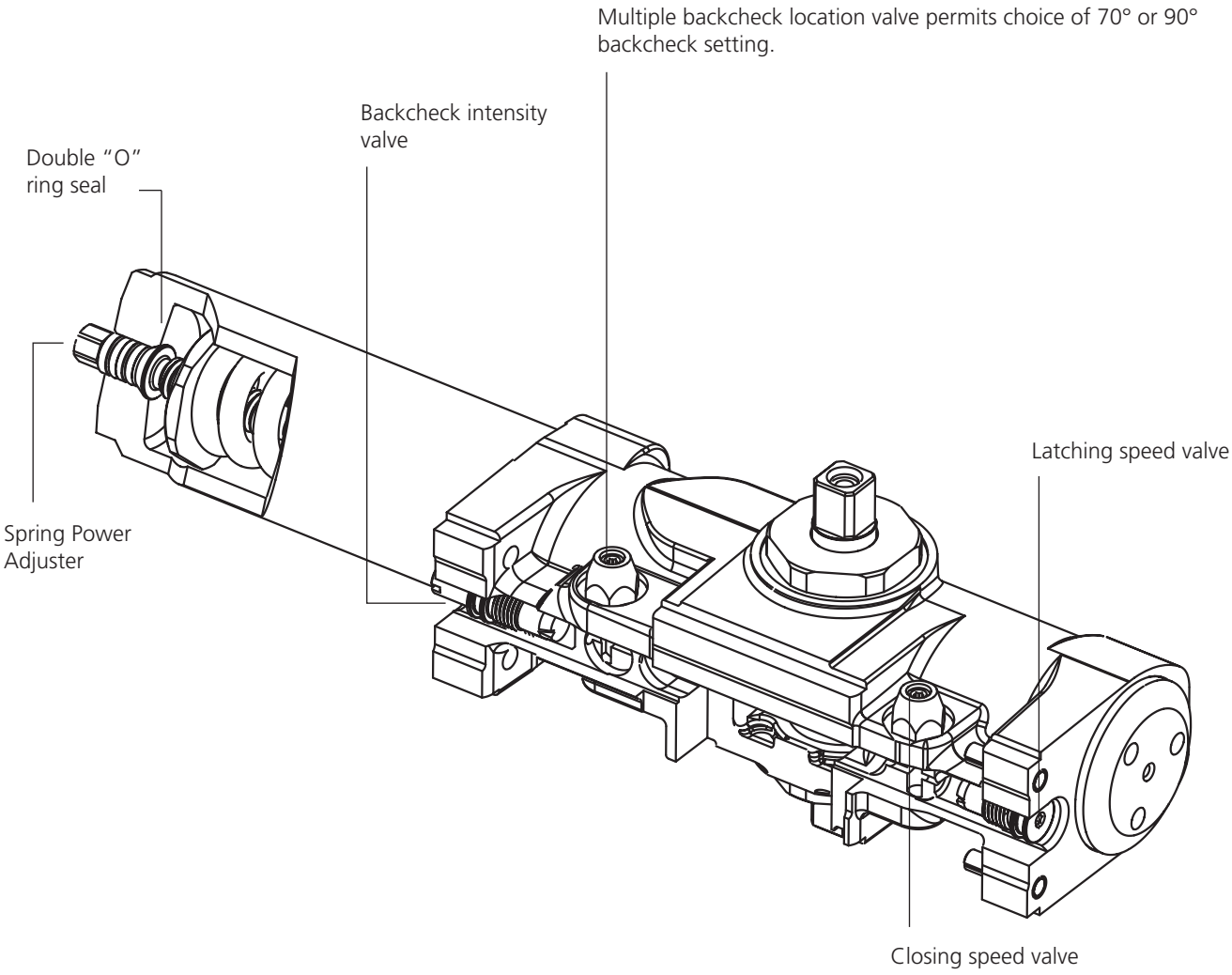
Finishes

Specify	Description
600 (USP)	Primed
BHMA 605 (US3)*	Bright Brass
BHMA 606 (US4)*	Satin Brass
BHMA 611 (US9)*	Bright Bronze
BHMA 612 (US10)*	Satin Bronze
613E	Dark Oxidized Satin Bronze, Equivalent
BHMA 625 (US26)*	Bright Chromium Plated
BHMA 626 (US26D)*	Satin Chromium Plated
689 (SBL)	Silver Aluminum
690 (LBL)	Dark Bronze
691 (DBL)	Light Bronze
693 (FBL)	Black
696 (GBL)	Satin Brass

*Metal cover is required for these finishes.
For split finish on closer cover and arm, specify cover finish first, then arm finish. (e.g., DC6200 x 625 x 689).

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DC6200 - Multi-Sized
DC6400 - Sizes 1-6, half-size adjustable



Quik-Install™ mounting bracket included, see p11

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Mountings and Applications

DC6000 Series



Regular Arm Mounting DC6200, DC6400 Series

Most common mounting, providing the greatest closing efficiency. Closer is mounted on the pull side, with the arm almost perpendicular to the face of the door. Arm bracket is attached to the door frame.



Parallel Arm Mounting DC6210, DC6410 Series

Allows inside application of closer on out-swinging doors. Closer is mounted on the push side, with the arm almost parallel to the face of the door. Arm does not project from the opening.



Top Jamb Mounting DC6220, DC6420 Series

Closer is mounted on the frame on the push side, with the arm perpendicular to the face of the door. Arm bracket is mounted on the door. Minimum 1-3/4" (44mm) top jamb required. Accommodates reveals up to 3-1/4" (83mm).



Track Mounting DC6230, DC6430 Series

Closer is top jamb mounted on the pull side; arm is connected to a door-mounted track. Maximum degree of opening is 110°. Maximum closing power is size 4. Minimum 3" (76mm) frame face required.



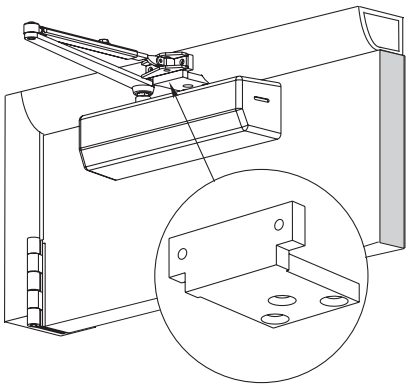
Track Mounting DC6240, DC6440 Series

Closer is mounted on push side of door; arm is connected to a stop-mounted track. Maximum degree of opening is 110°. Maximum closing power - size 4.

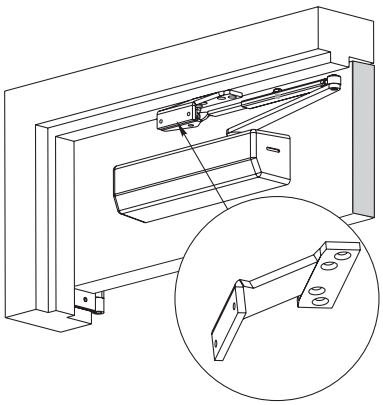
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Mountings

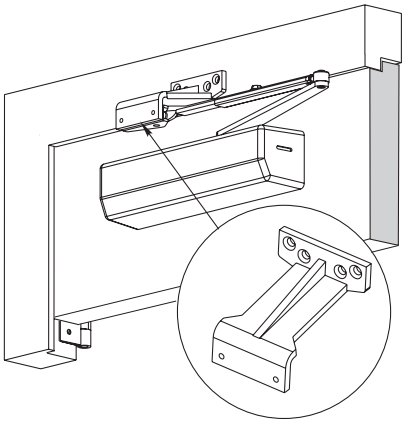
DC6000 Series



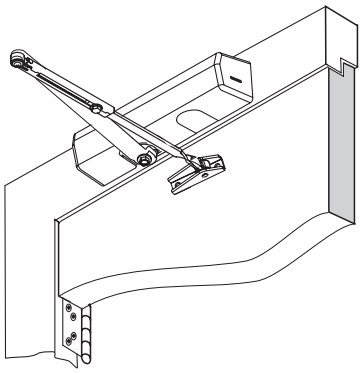
Regular Arm Mounting with Mortise Arm Bracket
Used on inadequately reinforced frames, such as those with bull nose trims.



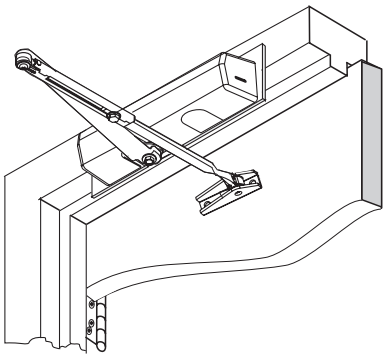
Parallel Arm with Offset Angle Bracket Mounting
Allows parallel arm mounting when used with an overhead door holder.



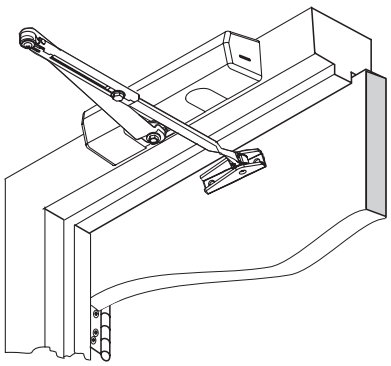
Parallel Arm Mounting with Flush Transom Bracket
Allows parallel arm mounting on flush transom applications.



Top Jamb Flush Transom Mounting
Closer is top jamb mounted on the push side; arm is attached to the door.



Narrow Frame Mounting
For use when the frame is too narrow for a normal top jamb or top jamb track mounting. (Shown with 188F65 drop plate)



Top Jamb Deep Reveal Mounting
For reveals greater than 3-1/4" (83mm), up to 7-1/4" (184mm).

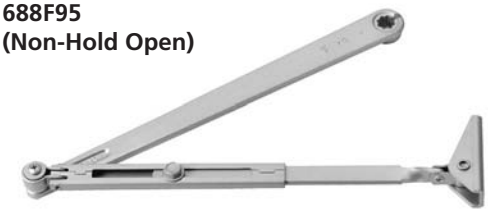
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Arm Options

DC6000

688F95
(Non-Hold Open)



688F77
(Hold Open)



Regular Arm

- Used with regular arm (pull side) and top jamb (push side) mounting
- Available in painted or plated finishes
- Non-hold open arm standard on the DC6200 and DC6400 closers
- Hold open arm optional, specify closer x **A1***

691F72
(Non-Hold Open)



Deep Reveal Arm (3-3/8" (86mm) - 7-1/4" (184mm))

- Accommodates top jamb mounting for reveals up to 7-1/4" (184mm), depending on door and frame conditions
- Mounted on push side
- Available in painted or plated finishes
- Optional on DC6220 and DC6420 closers
- Non-hold open, specify closer x **A6**
- Hold open, specify closer x **A8***

Non-Hold Open	691F72
Hold Open	691F74

597F52
(Non-Hold Open Only)



Heavy-Duty Regular Arm

- Recommended for high-use, high-abuse environments
- Tamper-resistant, solid forged steel riveted arm
- Mounted on pull side
- Not available in plated finishes
- Optional on DC6200 and DC6400 closers, specify closer x **A10**

688F95 x 188F41
(Non-Hold Open)



688F77 x 509F49
(Hold Open)



Parallel Arm

- Mounted on push side
- Non-hold open arm – combines regular arm with parallel arm mounting bracket
- Available in painted or plated finishes
- Hold open arm – combines regular hold-open arm with parallel arm mounting bracket
- Non-hold open arm standard – order DC6210 or DC6410 series
- Hold open arm optional, specify closer x **A1***

Specify finish when ordering arms. *Not allowed by code on fire doors.

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Arm Options

DC6000

689F02
(Non-Hold Open)



689F01
(Hold Open)



Heavy-Duty Parallel Arm

- Recommended for high-use, high-abuse environments
- Tamper-resistant, solid forged steel riveted arm
- Mounted on push side
- Not available in plated finishes
- Optional on DC6210 and DC6410 closers
- Non-hold open arm, specify closer x **A3**
- Hold open arm, specify closer x **A2***. Hold-open range 85° to 110°
- For use with overhead stops, specify closer x **A13** (see page 10)

689F03
(Non-Hold Open)



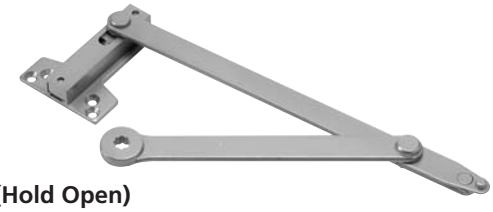
689F04
(Hold Open)



Heavy-Duty Reversible Backstop Parallel Arm

- Recommended for high-use, high-abuse environments
- Tamper-resistant, solid forged steel riveted arm
- Mounted on push side
- Not available in plated finishes
- Optional on DC6210 and DC6410 closers
- Field-reversible steel lug restricts degree of opening to protect door, wall and hardware
- Shipped standard as left hand. Handing can be reversed in the field
- Non-hold open arm, specify closer x **A4**. Door stop range 85° to 110°
- Hold open arm, specify closer x **A5***. Door stop/hold open range 85° to 110°

(Non-Hold Open)



(Hold Open)



Heavy-Duty Spring Stop Parallel Arm

- Recommended for high-use, high-abuse environments
- Integrates a door closer, shock absorber and auxiliary heavy-duty overhead stop
- Not available in plated finishes
- Hold open*
  - Holder mechanism tension adjustable
  - Hold open can be engaged/disengaged with a 1/4 turn of the mechanism with a standard blade type screwdriver
- Optional on DC6210 and DC6410 closers
- Non-hold open arm, specify closer x **A11 x door width.** Door stop range 85° to 110°.
- Hold open arm, specify closer x **A12* x door width.** Door stop/hold open range 85° to 110°.

Door Width	Model Number	
	Non-Hold Open	Hold Open
28" - 32" (71cm - 81cm)	615F52	615F51
33" - 41" (84cm - 104cm)	615F54	615F53
42" - 48" (107cm - 122cm)	615F56	615F55

Refer to page 12 for bracket information

Specify finish when ordering arms.
*Not allowed by code on fire doors.

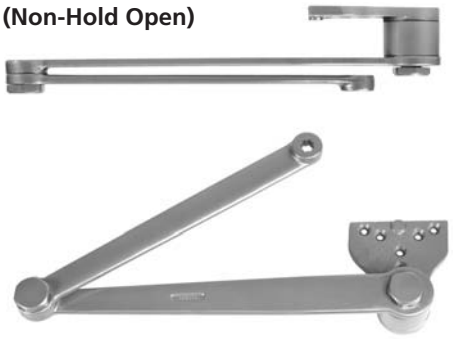
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Arms and Brackets

DC6000

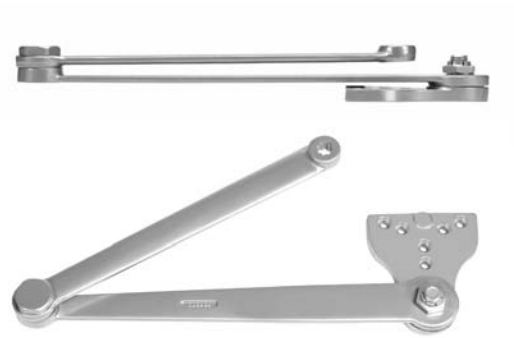
691F96
(Non-Hold Open)



Heavy-Duty Extra Clearance Parallel Arm

- Recommended for high-use, high-abuse environments
- Provides additional vertical clearance
- Mounted on push side
- Not available in plated finishes
- Optional on DC6210 and DC6410 closers
- Non-hold open arm only, specify closer x **A13**

Standard Clearance	Closer	With Spacer	Quick Code	Total Clearance
1-3/4"	DC6210	597F92	M77	2-1/4"
		597F93	M78	2-3/8"



Heavy-Duty Parallel Hold Open Arm

- Recommended for high-use, high-abuse environment
- Requires auxiliary stop (by others)
- Handed
- Mounted on push side
- Not available in plated finishes
- Allows door to swing 180º, conditions permitting
- Optional on DC6210 and DC6410 closers
- Hold open arm, specify closer x **A14***

Part Number	Handing
692F04	Right Hand
692F05	Left Hand

754F44 Shown



Pull Side Track Arm

- Provides a clean aesthetic look with maximum 110° door swing and a minimum door width of 28"(71cm)
- Mounted on pull side
- Not available in plated finishes
- Non-hold open standard on DC6230 or DC6430 closers
- Hold open, specify closer x **A1***
- Hold open function can be turned on or off using a standard blade screw driver
- Stop/Hold open can be set for 85°, 90°, 95°, or 100°

	Track and Arm	Track Only	Arm Only
Non-Hold Open	754F44	754F09	754F16
Hold Open	754F45	754F10	

754F13 Shown



Push Side Track Arm

- Clean aesthetic look for doors opening a maximum of 110º and a minimum door width of 32" (81cm)
- Mounted on push side
- Not available in plated finishes
- Non-hold open standard on DC6240 and DC6440 closers. For hold open, specify closer x **A1***
- Stop/hold open can be set for 85º, 90º, 95º or 100º
- Hold open function can be turned on or off using a standard blade screw driver

	Track and Arm	Track Only	Arm Only
Non-Hold Open	754F12	754F14	754F16
Hold Open	754F13	754F15	

Specify finish when ordering arms or tracks.
*Not allowed by code on fire doors.

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Mounting Brackets

DC6000

188F03



Quik-Install™ Mounting Bracket

- Standard on all closers
- Reduces installation time
- Ensures correct mounting
- Bracket is first mounted to door or frame, then closer is attached
- Bracket size: 1-3/4" (44mm) (vertical) x 6" (152mm) (horizontal)
- Hole spacing: 1" (25mm) (vertical) x 4-5/16" (110mm) (horizontal)

244F17



Mortise Arm Bracket for Regular Arm Mounting

- For regular arm mounting where frame requires reinforcement, i.e., on frames with bull nose trim
- Not available in plated finishes
- Specify closer x M84

188F41



Parallel Arm Non-Hold Open Bracket

- Converts regular arm to parallel arm closer
- Standard with DC6210 and DC6410 closers
- Packed with five screws and 691F78 spacer

509F49



Parallel Arm Hold Open Bracket

- Converts regular arm hold open to parallel arm hold open closer
- Standard with DC6210 x A1 or DC6410 x A1 closer

188F62



Parallel Arm Offset Bracket

- Required when parallel arm is used in conjunction with an overhead door holder
- Specify DC6210 x M83 or DC6410 x M83 closer

188F63



Parallel Arm Flush Transom Bracket

- Required when parallel arm mounting is used on a flush transom application
- Not available in plated finishes
- Specify DC6210 x M82 or DC6410 x M82 closer

Specify finish when ordering parts.

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Brackets

DC6000

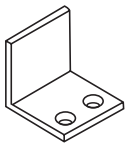
499F30



Flush Transom Bracket

- Available separately for mounting A2, A3, A4, A5, A13 and A14 heavy-duty arms on rabbeted or flush transom conditions
- Not available in plated finishes
- Specify closer x M79

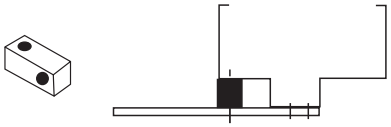
447F14



Angle Support Bracket

- Available separately for mounting A2, A3, A4, A5, A13 & A14 heavy-duty arms on narrow frame or soffit conditions
- Specify DC6210 x M85 or DC6410 x M85 closer

691F78



Spacer Block

- For use where a narrow frame soffit does not provide adequate surface to support the fifth arm bracket mounting hole
- Supplied standard with DC6210 and DC6410 non-hold open closers with A2, A3, A4, A5, A13 and A14 heavy-duty parallel arms

597F92 (1/2")
597F93 (5/8")

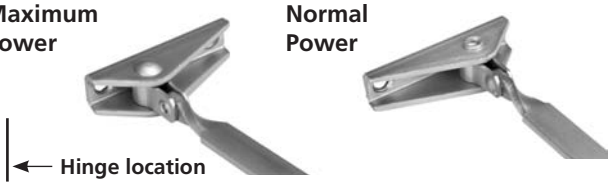


Blade Stop Spacer

- Available for use with A2, A3, A4, A5, A13 & A14 heavy-duty arms.
- Specify closer x M77 (597F92)
- Specify closer x M78 (597F93)

Maximum Power

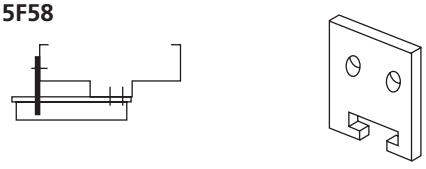
Normal Power



Power Adjustment Arm Bracket

- Standard on all closers without hold open, except heavy-duty and track type
- In regular arm or top jamb mounting, bracket may be reversed to increase closing power 15%

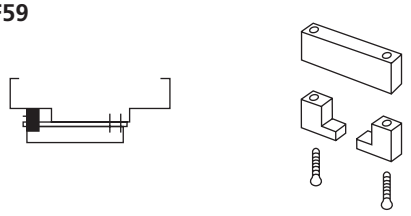
615F58



Reinforcing Bracket

- Supplied as standard for use with A11 and A12 spring stop arms
- Provides additional support to the soffit plate on installations with door frame reveals from 1-7/8" to 4-5/8" (48 to 117mm)
- Not available in plated finishes

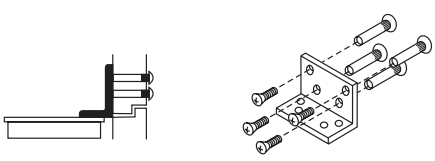
615F59



Deep Reveal Reinforcement Kit

- For use with A11 and A12 spring stop arms
- Used to support the soffit plate on installations with deep frames. Clamps may be used with or without the spacer block, depending on frame conditions
- Not available in plated finishes
- For frames deeper than 4-5/8" (117mm), specify closer x M103

615F60



Flush Partition Bracket

- For use with A11 and A12 spring stop arms where rabbeted or flush transom conditions prevent installation of the soffit plate assembly
- Bracket fastens to the overhead transom to provide a mounting surface for the soffit plate assembly
- Specify DC6210 x M104 or DC6410 x M104 closer

Specify finish when ordering parts.

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Covers and Plates

DC6000

597F78



Full Cover

- Standard on all DC6000 series door closers
- Completely covers closer body
- Non-handed
- Dimensions: 11-5/8" (295mm) x 3" (76mm) x 2-3/4" (70mm) deep
- Available in painted finishes only
- Flame rated V-O material compliant with UL10C



Full Metal Cover

- For use in high-abuse applications or when an architectural plated finish is desired
- Specify hand; not field reversible
- Available in painted and plated finishes
- Dimensions: 11-1/2" (292mm) x 2-7/8" (73mm) x 2-3/4" (70mm) deep

Part Number	Handing
603F55	RH/LHR
603F57	LH/RHR



Drop Plate

Permits parallel arm mounting on door when top rail is too narrow to install closer in the regular manner. Minimum 2-5/8" (67mm) top rail required. Jamb mounted where there is insufficient ceiling clearance for standard mounting or where it is necessary to allow vertical arm clearance for overhead door holders or frame gasketing. To order separately, specify Part No. x Finish.

Closer Series	Drop Plate
	With Full Cover
DC6210, DC6410	597F58
DC6220, DC6420	188F65
DC6240, DC6440	597F58

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Door Closer Sizes

DC6000

Factors in Determining Closer Size

1 – Weight and Height of Door

Doors vary in weight from light hollow-core wood doors to heavy metal doors. Door sizes listed in the chart are based on doors of standard weight and height. Extra-light or extra-heavy weight or unusual height must be compensated for.

2 – Draft and Wind Conditions

Draft and wind conditions are perhaps the most important factors to consider in determining the closer size required. Sizes listed in the chart apply to normal conditions. Stairwells, air conditioning, building construction, and door location can cause strong draft and wind conditions; these may necessitate adjusting spring power to a larger size or using a closer one size larger.

3 – Location of Closer

The degree of door opening required determines the location of the closer on the door. Closer sizes listed in the chart are based on 180° opening.

4 – Special Conditions

Deep reveals require optional extended arms. A top jamb plate is required when the jamb is too narrow for a normal top jamb mounting.

5 – Code Compliance

A multi-sized, fully adjustable closer such as the DC6200 closer provides the greatest flexibility in balancing barrier-free access, security and life safety codes. However, when a manual closer is installed and adjusted to comply with ADA or any other reduced opening force requirements, it may no longer have sufficient power to close and latch the door reliably.

Recommended Door Closer Sizes				
Application	Door Width			
	Interior	Exterior, In-Swinging	Exterior, Out-Swinging	Recommended Closer Size
Regular or Top Jamb	2'4" (71cm)	—	—	1
	3'0" (91cm)	—	—	2
	3'6" (107cm)	2'6" (76cm)	3'0" (91cm)	3
	4'0" (122cm)	3'0" (91cm)	3'6" (107cm)	4
	4'6" (137cm)	3'6" (107cm)	4'0" (122cm)	5
	5'0" (152cm)	4'0" (122cm)*	4'6" (137cm)*	6
Parallel Arm	2'4" (71cm)	—	—	1
	2'6" (76cm)	—	—	2
	3'0" (91cm)	—	2'6" (76cm)	3
	3'6" (107cm)	—	3'0" (91cm)	4
	4'0" (122cm)	—	3'6" (107cm)*	5
	4'6" (137cm)	—	4'0" (122cm)*	6

*** Due to half-size adjustability, the DC6400 Series is recommended.**

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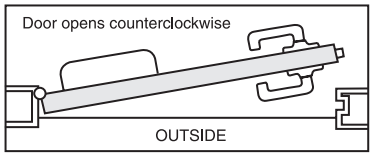
45052 7/19

Handing

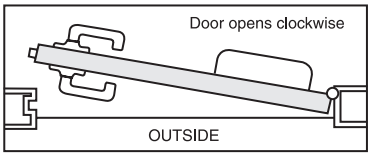
Refers to the direction a door swings; always determined from the outside of the door.

Regular Mounting

Door: left hand
Closer: left hand pull side

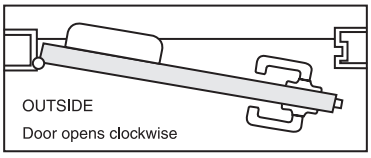


Door: right hand
Closer: right hand pull side

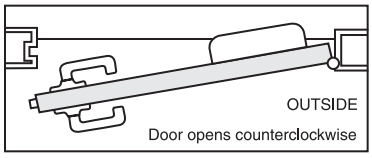


Parallel Arm Mounting

Door: left hand reverse bevel
Closer: right hand push side

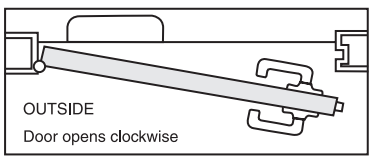


Door: right hand reverse bevel
Closer: left hand push side

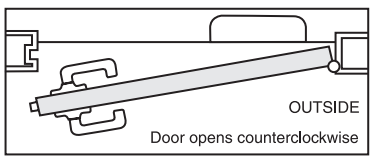


Top Jamb Mounting

Door: left hand reverse bevel
Closer: right hand push side



Door: right hand reverse bevel
Closer: left hand push side



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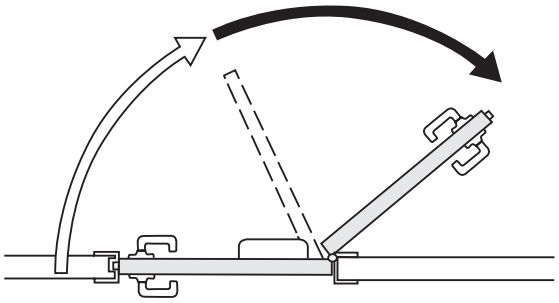
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Helpful Terms

DC6000

Backcheck
Slows a door at approximately 70° of the opening cycle, by providing cushioned resistance to a forceful opening. Designed to protect people and objects behind the door and to prevent damage to the closer, hardware, and wall. Intensity can be increased or decreased. Not intended to act as a stop.

Backcheck Location
The point (approximately 70°) in the opening cycle where backcheck takes effect.



Closing Speed
The speed at which a door swings from the full open position to within a few degrees of latching. See Latching Speed.

Corrosion Protection
Additional painted covering on all external parts to deter oxidation and corrosion.

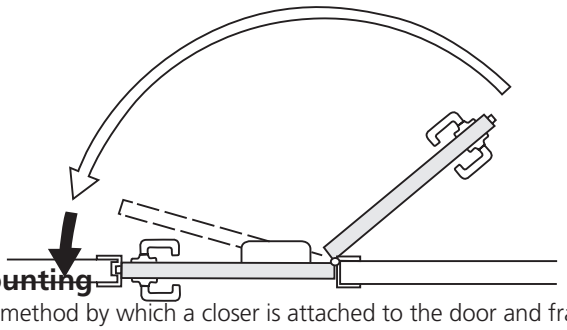
Delayed Action
Slows door closing speed between maximum opening and approximately 70°. Often specified to meet barrier-free codes which require longer closing times. Also used in high traffic situations (auditoriums, classrooms, etc.) or when carts and gurneys are pushed through the doors.

Door Stop
A device to stop the swing of a door.

Hold Open
Maintains door at a particular degree of opening. A mechanical hold open may not be used on labeled fire doors, which must be self-closing.

Multi-Sized Closer
A closer whose spring design allows full adjustment of the spring power size from 1 through 6.

Latching Speed
The speed of the door during the last few degrees of closing. Allows latching and prevents slamming.



Mounting
The method by which a closer is attached to the door and frame.

Multiple Backcheck Location Valve
Valve that changes the degree of door angle where backcheck occurs.

Quik-Install™ Mounting Bracket
Unique bracket which simplifies installation and minimizes installer fatigue.

Sex Nuts and Bolts (SNBs)
Through-bolts required for all non-steel-reinforced fire doors, and recommended for non-reinforced wood and mineral core doors.

Sized Closer
A closer whose spring design allows for a fixed spring power size 1 through 6.

Spring Power
A measurement of closing force, or the ability to overcome draft, air pressure, weight or other resistance to door closing.

Star Punch
An eight-point hole in the closer arm, permitting spindle pre-loading. Provides full functioning of backcheck and delayed action valves.

Universal Mounting
The ability of a closer to accommodate either hand for regular, top jamb or (using a bracket) parallel arm mounting.

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How To Order

DC6000

Ordering Examples

Stock

Quantity	Series/Mounting/Size	Finish	Misc. Options
50	DC6210	689	M54

Job Specific

Quantity	Series/ Mounting/Size	Finish	Hand	Thickness	Options
50	DC6413	626	RH	D138	M71-M73

Split Finish

Quantity	Series/Mounting/Size	Finish		Hand	Misc. Options
		Cover	Arm		
10	DC6210	626	689	RH	M54

Note:
- Door closer warranty becomes void if it is installed on the exterior side of a door in the exterior wall of a building
- It is strongly recommended, and it is required on fire door assemblies, that doors having a door closer be hung on ball-bearing or anti-friction hinges or pivots
- Failure to use the correct type and size fasteners may void factory warranty
- Fasteners for fire/smoke door assemblies must conform to NFPA 80. In some applications additional fasteners may be mandated by NFPA 80 that are not shipped with Corbin Russwin's standard product, such as sleeve-units/sex nuts or through-bolts and grommet nuts
- Consult factory if door weight exceeds 250lbs.

Where to find ordering information and quick codes

Series/Mounting/Size	Page 17
Arm	Page 18
Finish	Page 18
Handing	Page 18
Door Thickness	Page 18
Miscellaneous Options	Page 19

Series/Mounting/Size

Description	Mounting	Non-sized	Size 1 Specify	Size 2 Specify	Size 3 Specify	Size 4 Specify	Size 5 Specify	Size 6 Specify
DC6200 Closers Multi-sized; full adjustability from size 1-6	Regular arm	DC6200	—	—	—	—	—	—
	Parallel arm	DC6210	—	—	—	—	—	—
	Top jamb	DC6220	—	—	—	—	—	—
	Track (Pull Side)	DC6230	—	—	—	—	—	—
	Track (Push Side)	DC6240	—	—	—	—	—	—
DC6400 Closers Sized; 1/2-size adjustability	Regular arm	—	DC6401	DC6402	DC6403	DC6404	DC6405	DC6406
	Parallel arm	—	DC6411	DC6412	DC6413	DC6414	DC6415	DC6416
	Top jamb	—	DC6421	DC6422	DC6423	DC6424	DC6425	DC6426
	Track (Pull Side)	—	—	—	—	DC6433	DC6434	DC6435	DC6436
	Track (Push Side)	—	—	—	—	DC6443	DC6444	DC6445	DC6446

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Quick Codes

DC6000

Arm

Arm	Specify Quick Code
Regular non-hold open	(standard)
Hold open	A1*
Heavy-duty parallel with hold open	A2*
Heavy-duty parallel non-hold open	A3
Heavy-duty backstop non-hold open	A4
Heavy-duty backstop with hold open	A5*
Deep reveal (3-3/8"-7-1/4")	A6
Deep reveal with hold open	A8*
Heavy-duty regular non-hold open	A10
Spring stop non-hold open (specify door width)	A11
Spring stop heavy-duty with hold open (specify door width)	A12*
Heavy-duty parallel arm with extra clearance	A13
Heavy-duty friction hold open arm (specify hand)	A14*
Push side track with hold open	A1*

***Hold open arms cannot be used on fire doors.**

Handing

Hand	Specify
Left Hand/Right Hand Reverse	LH
Right Hand/Left Hand Reverse	RH

Blade Stop

Spacer	Specify Quick Code
1/2"	M77
5/8"	M78

Torx® Tool Kit Package

Description	Specify
Bits and driver	597F24

Finish

Old Designation	Description	Specify Quick Code
USP	Primed	600
US3	Bright Brass	605*
US4	Satin Brass	606*
US9	Bright Bronze	611*
US10	Satin Bronze	612*
N/A	Dark Oxidized Satin Bronze, Equivalent	613E
US26	Bright Chromium Plated	625*
US26D	Satin Chromium Plated	626*
SBL	Silver Aluminum	689
LBL	Dark Bronze	690
DBL	Light Bronze	691
FBL	Black	693
GBL	Satin Brass	696

*Metal cover is required for these finishes.

For split finish on closer cover and arm, specify cover finish first, then arm finish. (e.g., DC6200 x 625 x 689).

Door Thickness

Door Thickness	Specify
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

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Quick Codes

DC6000

Miscellaneous Options

Description	Specify Quick Code
Torx® machine screws	M04
Sex nuts and bolts (SNBs) (1-3/4" minimum thickness)	M54
Backcheck intensity and location valves	(standard)
Delayed action	M71
Full cover	(standard)
Full metal cover (Handed)	M73
Extreme temperature fluid	(standard)
Corrosion protection	M75
1/2" spacer	M77
5/8" spacer	M78
Drop plates - **order by number** (formerly M80, M81 and M102 quick codes)	

Closer Series	Old Quick Ship #	Drop Plate With Full Cover
DC6210, DC6410 (Parallel)	M80	597F58
DC6220, DC6420 (Top Jamb)	M80	188F65
DC6230, DC6430 (Pull Side)	M81	597F59
DC6240, DC6440 (Push Side)	M102	597F59

Heavy-duty parallel arm flush transom bracket (499F30) used with A2, A3, A4, A5, A13 & A14 arms	M79
Parallel arm flush transom bracket (parallel or A1)	M82
Parallel arm offset bracket	M83
Mortise arm bracket (for regular arm mounting)	M84
Angle support bracket	M85
Spacer (691F78) (formerly M86 quick code)	(standard)
Security package (available with A2, A3, A4, A5 and A10 optional arms). Covers are handed.	M87
Deep reveal reinforcement kit (available with A11 & A12 arms)	M103
Flush partition bracket (available with A11 & A12 arms)	M104
Lead-lined metal cover	M108

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Specifications

DC6000

ANSI A156.4 Certified Closer Cross Reference

ANSI Number	Function	Series	PT 4A 15% Power Adjustment	PT 4B 35% Power Adjustment	PT 4C 50% Power Adjustment	PT 4D Adjustable Backcheck	PT 4F Delayed Action	PT 4G Dead Stop	PT 4H Fully Adjustable
CO2011 (PT 1)	Hinge Side Mounting	DC6200 DC6400	S S	S S	S S	S S	O O	N/A N/A	S N/A
CO2051 (PT 1)	Hinge Side Mounting	DC6200-A1 DC6400-A1	S S	S S	S S	S S	O O	N/A N/A	S N/A
CO2021 (PT 1)	Parallel Arm Mounting	DC6210 DC6410	S S	S S	S S	S S	O O	O O	S N/A
CO2061 (PT 1)	Parallel Arm Mounting	DC6210-A1 DC6410-A1	S S	S S	S S	S S	O O	O O	S N/A
CO2041 (PT 1)	Top Jamb Mounting	DC6220 DC6420	S S	S S	S S	S S	O O	N/A N/A	S N/A
CO2081 (PT 1)	Top Jamb Mounting	DC6220-A1 DC6420-A1	S S	S S	S S	S S	O O	N/A N/A	S N/A
CO2231 (PT 1)	Push Side Mounting	DC6240 DC6440	S S	S S	S S	S S	O O	O O	S N/A
CO2241 (PT 1)	Push Side Mounting	DC6240-A1 DC6440-A1	S S	S S	S S	S S	O O	O O	S N/A
CO2251 (PT 1)	Pull Side Mounting	DC6230 DC6430	S S	S S	S S	S S	O O	O O	S N/A
CO2261 (PT 1)	Pull Side Mounting	DC6230-A1 DC6430-A1	S S	S S	S S	S S	O O	O O	S N/A

ANSI Performance Requirements: (PT 1) — 2,000,000 cycles — closer without backcheck feature.
ANSI Performance Requirements: (PT 1) — 1,500,000 cycles — closer with backcheck feature.
N/A = not available S = standard O = option available
ANSI Options:

DC6200 includes PT4-A, B, C, D, H. Optional: PT4-F, G, J.
DC6400 includes PT4-A, B, C, D. Optional: PT4-F, G, J.

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Suggested Specification

Door closers shall be of rack and pinion construction with a cold headed heat-treated steel spindle and a steel piston precision machined and heat treated. The case shall be of cast iron with seamless cold headed steel spring tube. A two-piece or seamed spring tube shall not be acceptable. Springs shall be tempered chrome silicon. Closers shall have a heavy-duty, forged steel main arm.

Optional arms shall include parallel, hold open, heavy-duty, heavy-duty hold open, heavy-duty reversible backstop, heavy-duty reversible backstop with hold open, heavy-duty spring stop, heavy-duty spring stop with hold open, deep reveal, top jamb track and stop mounted track.

The following size options shall be available:

- Fully adjustable spring power to accommodate sizes 1 through 6.
- Spring power shall be adjustable by one half size over minimum for each size.

All sizes shall be accommodated in one closer body. Closing shall be controlled by two valves — one to control closing speed and one to control latching speed. Valves shall be concealed against unauthorized adjustment and be non-critical with "O" ring seals.

(Door closers shall have an adjustable delayed action feature, controlled by a separate valve.)

Closers shall be furnished with an adjustable backcheck intensity valve. Valve shall be accessible without removing the closer from the door.

Closers shall be furnished with a backcheck location valve, providing a choice of locations where backcheck begins in the door opening cycle between 70° and 90° of door opening. This valve shall be functional for all regular, top jamb, parallel arm, and track type mountings.

Closers shall be surface applied with rectangular cover, and shall be devoid of manufacturer's trademarks. Closers shall not project over 2¾", and shall be capable of mounting on 1-3/4" top rail or inverted mounting on 1¾" top jamb. Full cover and full metal cover with security fasteners shall be available. When required, metal covers shall be available in plated finishes. Regular arm and top jamb mounted closers without hold open shall be regularly furnished with power adjustment arm bracket capable of providing a 15% power adjustment. A Quik-Install™ mounting bracket to attach the closer shall be regularly furnished. Closers not having a mounting bracket shall not be acceptable. Hydraulic fluid shall be of a type requiring no seasonal valve readjustment due to extreme temperature variations. Closers mounted top jamb and parallel arm shall allow for full 180° door opening.

Closers with non-hold open arms shall be listed by Underwriters Laboratories for swinging fire doors and for positive pressure listed openings.

All closers shall be available in architectural finishes to match corresponding door hardware.

Certification:
ANSI/BHMA A156.4, Grade 1
ADA/ANSI A117.1
UL10C and UBC

Closers shall carry a 25-year limited warranty.

Closers shall be Corbin Russwin (DC6200) (DC6400) series.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

Corbin Russwin

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For additional information, contact your ASSA ABLOY Door Security Solutions sales consultant or visit **www.corbinrusswin.com.**

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Corbin Russwin

ASSA ABLOY

DC8000 Series

Door Closers



ASSA ABLOY, the global leader
in door opening solutions



Corbin Russwin
ASSA ABLOY

Introduction

DC8000 Series

Applications

High-quality products and innovative designs are the foundation for the long history and reputation of Corbin Russwin Architectural Hardware. That tradition continues with the Grade 1 DC8000 Series door closer, the perfect choice for high-use openings and doors that must meet ADA requirements. A variety of arms, finishes and quality features make the easy-to-install DC8000 Series ideal for schools, office buildings, health care facilities and retail complexes. The series also meets UL10C and UBC7-2c positive pressure requirements for fire-rated openings.

Quality

Corbin Russwin products are engineered for quality, and the DC8000 Series is no exception. With heavy-duty construction, captured valves and a double heat-treated steel pinion, the DC8000 Series ensures quality and long-lasting performance.

Security

With a new heavy-duty arm and a strong, durable cast-iron closer body, the DC8000 Series offers added muscle for high-use and high-abuse situations. Captured valves and optional Torx® security screws offer added security, making the closer highly vandal- and tamper-resistant.

Key Advantages

- Heavy-duty forged arm
- Captured valves
- Self-drilling screws
- Double heat-treated steel pinion
- Universal Quik-Install™ bracket
- Tri-packed assembly
- Cast-iron body
- Retrofit plates
- Powder painted arms

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Corbin Russwin ASSA ABLOY

Features

DC8000 Series

Versatility

The DC8000 Series door closer offers a versatile, dependable and easy-to-install product, making it an ideal choice. The tri-pack assembly of regular arm, top jamb and parallel arm allows one closer to be stocked for multiple applications. A variety of features, including heavy-duty arms, cast-iron closer body and captured valves, ensure dependability and vandal resistance. Special mounting brackets and retrofit plates allow for quick installation in both new and retrofit applications.

Features	Benefits
Exceeds 25 Million Cycles	Ensures dependability and long life
Cast-iron closer body	Strong and durable
Heavy-duty arms	Forged 9/16" steel to withstand heavy use and abuse
Tri-packed assembly (regular arm, top jamb & parallel arm mounting), non-handed. **Specify DC8210.**	Allows one closer to be stocked for a variety of applications
Universal Quik-Install™ mounting bracket and door marker	Easy, foolproof installation
Multi-sized closers	Adjustable 1 through 6
Captured values	Vandal-resistant; reduces the possibility of valve removal
Double heat-treated steel pinion	Hard-wearing
2-1/4" projection	Less noticeable, complements the opening
Regular arm allows door swing to 180° (conditions permitting)	Versatile, adjustable for specific applications or conditions
Retrofit plates	Allows DC8000 to replace LCN 4040 and 4010 series closers without modifying the door prep
Cover options	ABS (standard); metal (optional). Custom colors and plated finishes available
ADA compliant	Ideal for applications such as healthcare, schools, public buildings
ANSI/BHMA A156.4	Grade 1 certified closer
UL10C and UBC 7-2c	Meets Positive Pressure Fire Test requirements
25-year warranty	Ensures long-lasting value

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Features

DC8000 Series

DC8200 Series - Multi-Sized

Features

Spring Power
DC8200 Series closers: multi-sized; fully adjustable sizes 1 through 6.
Factory pre-sized upon request.

Handing
Non-handed.

Body
Cast-iron case with seamless cold headed steel spring tube.

Arm
Standard: heavy-duty forged steel.
Arm options pages 17-20.

Spindle
Cold headed heat-treated steel.

Piston
1-1/2" diameter; Precision machined, heat-treated steel.

Springs
Chrome silicon wire.

Valves
Latching speed valve, closing speed valve and backcheck valve are standard.

Delayed action valve optional. Delayed action preset for 20 seconds. Between 90° and 70° for all mountings. To order specify M71.

Seals
"O" rings.

Fluid
Standard: high lubricity extreme temperature hydraulic fluid.

Degree of Opening
Up to full 180° opening standard for regular, top jamb and parallel arm mountings, conditions permitting.

Power Adjustment Arm Bracket
15% adjustment standard for regular arm and top jamb (non-hold open only).

Tri-packed
DC8210 comes with screws, brackets and soffit plates to allow for regular, top jamb and parallel arm installations.

Cover
Standard: full ABS cover.
Optional: full metal cover; specify M73 x hand.

Mountings
Standard: regular and top jamb.
Optional mountings available; see Mountings, page 6.

Mounting Bracket
Universal Quik-Install™ mounting bracket standard.

Fasteners
Self drilling and machine screws standard. Sleeve nuts and bolts (SNB) optional; specify M54.

Corrosion Protection
Painted protective coating on all metal surfaces for use in corrosive environments. To order specify M75.

Security Package
Includes heavy-duty parallel or regular arm, full metal cover and security Torx® machine screws. Specify M87 x arm x hand. Available arms: A2, A3, A4, A5, A10 and A13.

Warranty
25-year limited warranty. Refer to Corbin Russwin price book for details.

Certification/Compliance

Barrier-Free Code Compliance

The DC8000 Series Door Closers listed below conform to the 5 lbf. maximum door opening force requirement for non-fire-rated interior hinged doors, according to:

Americans with Disabilities Act (ADA)
Complies with the Accessibility Guidelines for Buildings and Facilities, Section 4.13.11

ANSI/BHMA
Meets A156.4, Grade 1.
Meets A117.1.

DC8200
DC8210
DC8220

These door closers are certified by Corbin Russwin Architectural Hardware to comply with the above standards when properly installed and (if applicable) adjusted, in regular arm, parallel arm and top jamb mountings.

UL / ULC / UL10c
Listed for fire and cycle requirements.

25 Million Cycles
Witnessed and verified by UL

Finishes

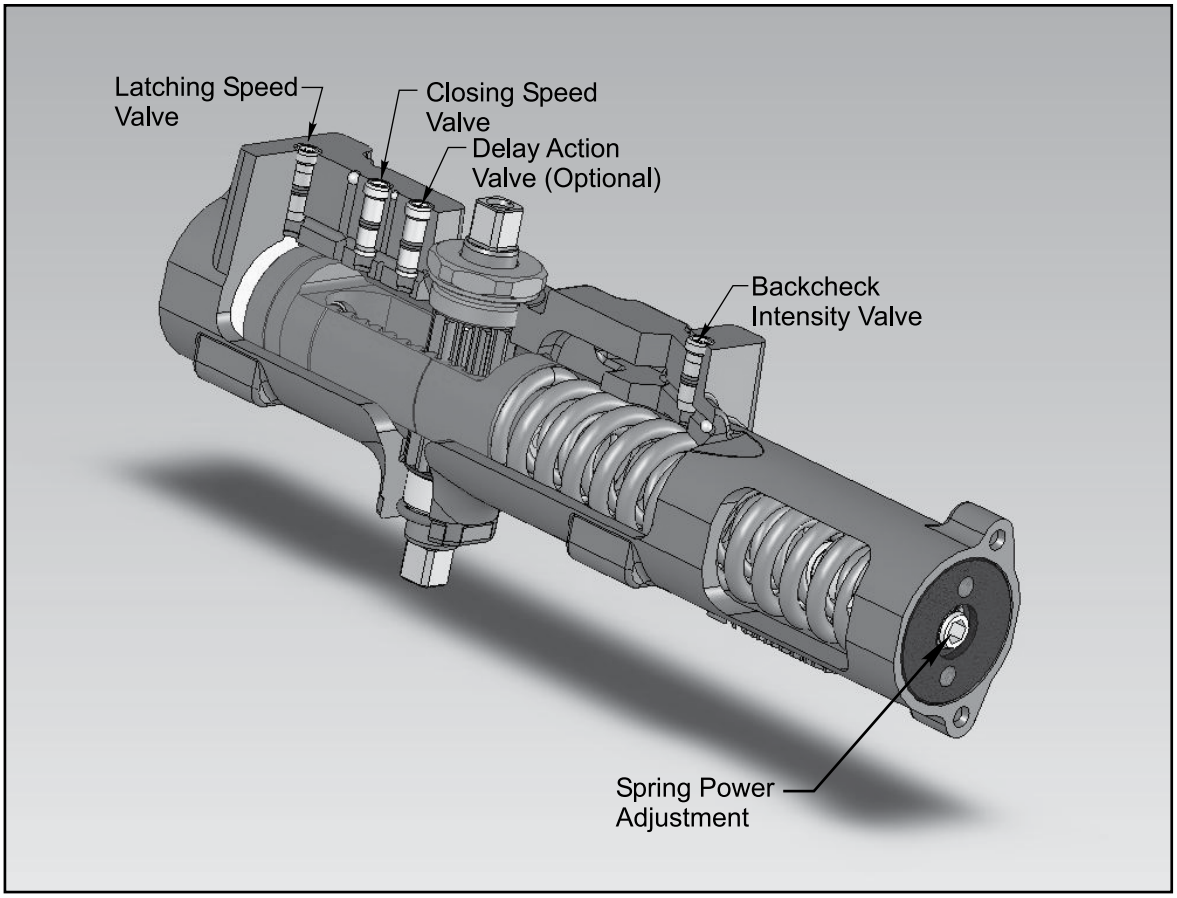
Specify	Description
600 (USP)	Primed
BHMA 605 (US3)*	Bright Brass
BHMA 606 (US4)*	Satin Brass
BHMA 611 (US9)*	Bright Bronze
BHMA 612 (US10)*	Satin Bronze
613E	Dark Oxidized Satin Bronze, Equivalent
BHMA 625 (US26)*	Bright Chromium Plated
BHMA 626 (US26D)*	Satin Chromium Plated
689 (SBL)	Silver Aluminum
690 (LBL)	Dark Bronze
691 (DBL)	Light Bronze
693 (FBL)	Black
696 (GBL)	Satin Brass

*Metal cover is required for these finishes.
For split finish on closer cover and arm, specify cover finish first, then arm finish. (e.g., DC6200 x 625 x 689).

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Features

DC8000 Series



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Mountings and Applications

DC8000 Series



Regular Arm Mounting DC8200 Series

Most common mounting, providing the greatest closing efficiency. Closer is mounted on the pull side, with the arm almost perpendicular to the face of the door. Arm bracket is attached to the door frame.



Parallel Arm Mounting DC8210 Series

Allows inside application of closer on out-swinging doors. Closer is mounted on the push side, with the arm almost parallel to the face of the door. Arm does not project from the opening.



Top Jamb Mounting DC8220 Series

Closer is mounted on the frame on the push side, with the arm perpendicular to the face of the door. Arm bracket is mounted on the door. Minimum 1-3/4" (44mm) top jamb required. Accommodates reveals up to 3-1/4" (83mm).



Track Mounting DC8230 Series

Closer is door mounted on the pull side; arm is connected to a frame-mounted track. Maximum degree of opening is 100°. Maximum closing power is size 4.



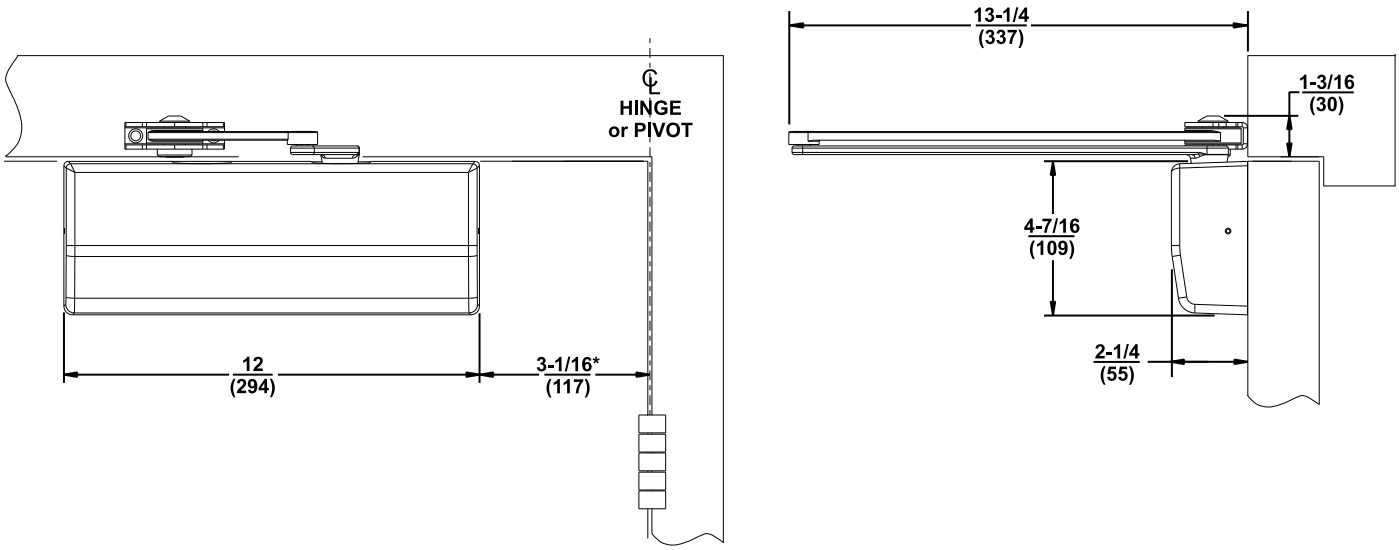
Track Mounting DC8240 Series

Closer is mounted on push side of door; arm is connected to a stop-mounted track. Maximum degree of opening is 100°. Maximum closing power is size 4.

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Regular Arm Mounting

DC8000 Series



To obtain extra closing force add 3" (76 mm) to dimensions marked (*).
NOTE: This will limit degree of door opening to 110°.

Mounting holes for Quik-Install™ bracket are spaced 1" (25mm) x 10" (254mm).

Arm Function	Minimum Header	Minimum Top Rail
Non-Hold Open	1-1/2" (38)	3" (76)
Hold Open	1-11-16" (43)	

Door Width Inches (cm)			Model Numbers	
Interior	Exterior		Multi-Sized Closer	
	In-Swinging	Out-Swinging	Non-Hold Open	Hold Open
28" (71)	—	—	DC8200^	DC8200 x A1^
36" (91)	—	—		
42" (107)	30" (76)	36" (91)		
48" (122)	36" (91)	42" (107)		
54" (137)	42" (107)	48" (122)		
60" (152)	48" (122)	54" (137)		

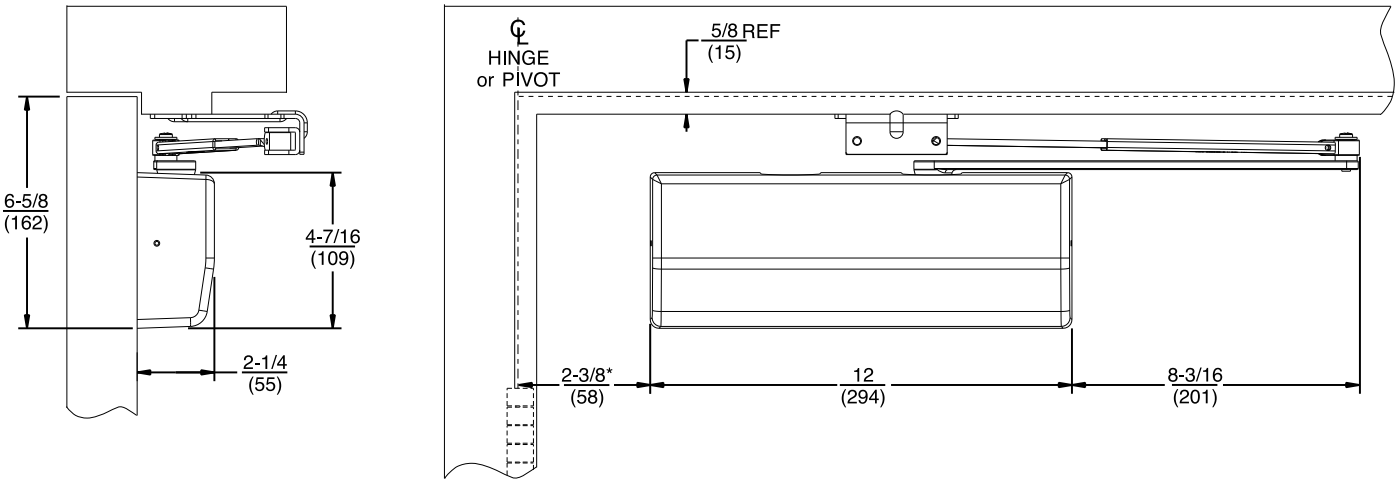
^Closers are bi-packed for regular arm and top jamb mounting.
Consult factory if door weight exceeds 250lbs.

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Parallel Arm Mounting

DC8000 Series



To obtain extra closing force add 3" (76 mm) to dimensions marked (*).
NOTE: This will limit degree of door opening to 110°.

Mounting holes for Quik-Install™ bracket are spaced 1" (25mm) x 10" (254mm).

Arm Function	Minimum Top Rail
Non-Hold Open	5-1/4" (133)
Hold Open	

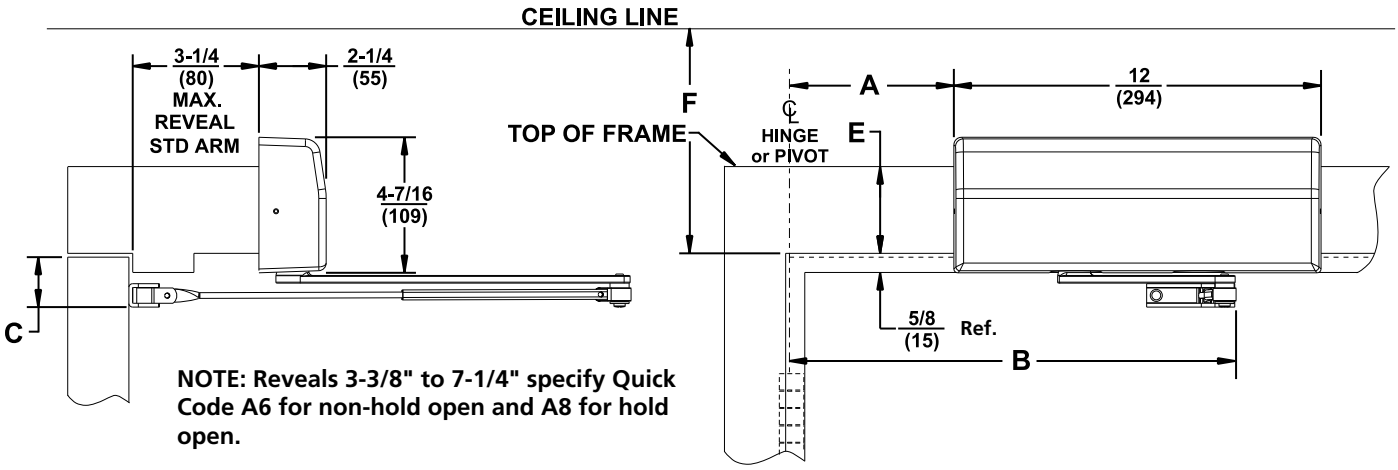
Door Width Inches (cm)		Model Numbers	
		Multi-Sized Closer	
Interior	Exterior	Non-Hold Open	Hold Open
28" (71)	—	DC8210	DC8210 x A1
30" (76)	—		
36" (91)	30" (76)		
42" (107)	36" (91)		
48" (122)	42" (107)		
54" (137)	48" (122)		

Standard arm closers are tri-packed.
Consult factory if door weight exceeds 250lbs.

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Top Jamb Arm Mounting

DC8000 Series



NOTE: Reveals 3-3/8" to 7-1/4" specify Quick Code A6 for non-hold open and A8 for hold open.

Mounting holes for Quik-Install™ bracket are spaced 1" (25mm) x 10" (254mm).

Maximum Opening	A	B	Hinge Condition
110°	7" (172)	16-1/16" (394)	Butts, Offset Pivots, and Swing Clear Hinges
140°	5-1/2" (135)	14-5/16" (351)	
180°	4" (98)	13-1/16" (320)	
140°	5-1/2" (135)	14-7/16" (354)	^Center Hung

Header Width	C Minimum Top Rail	E Header	F Ceiling Clearance
Standard	1-7/8" (48)	2-1/8" (54)	4" (102)
Narrow	2-1/4" (57)	2" (49)	3-5/8" (92)

Dimensions "A" and "B" are taken from centerline of hinge as shown and apply to pivot point of swing clear hinges. Offset and center hung pivots.
^Must be single-acting door.

Door Width Inches (cm)			Model Numbers	
Interior	Exterior		Multi-Sized Closer	
	In-Swinging	Out-Swinging	Non-Hold Open	Hold Open
28" (71)	—	—	DC8220*	DC8220 x A1*
36" (91)	—	—		
42" (107)	30" (76)	36" (91)		
48" (122)	36" (91)	42" (107)		
54" (137)	42" (107)	48" (122)		
60" (152)	48" (122)	54" (137)		

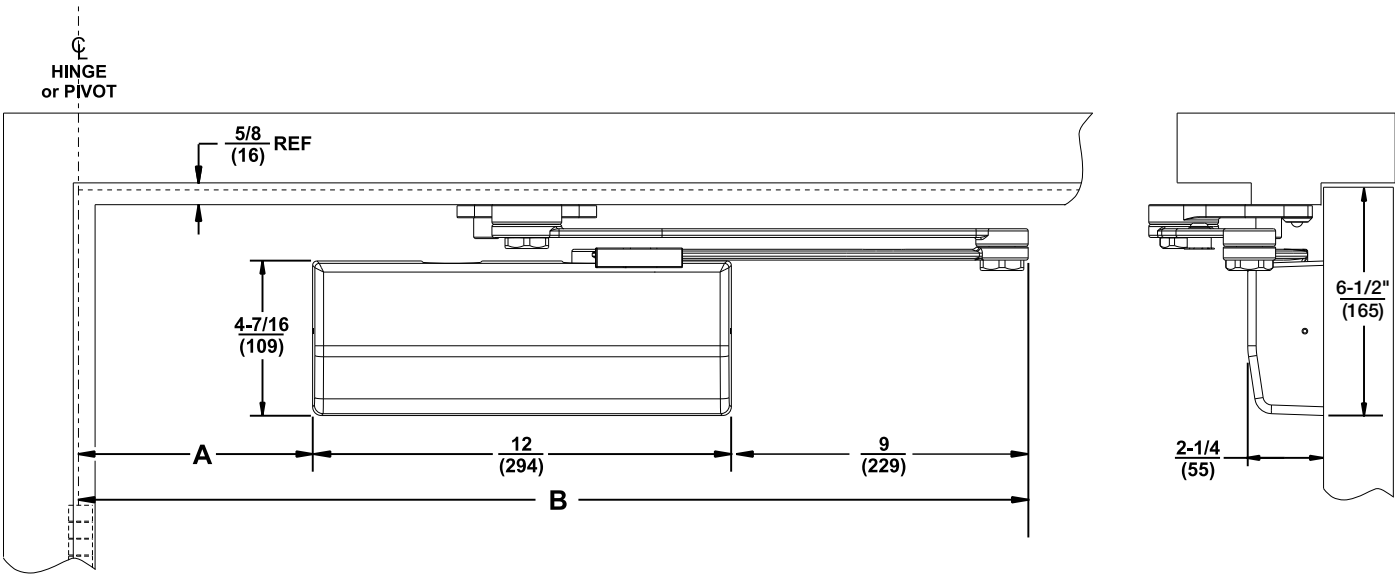
*** Closers are bi-packed for regular arm and top jamb mounting.**
Consult factory if door weight exceeds 250lbs.

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Parallel Arm Mounting Heavy-Duty Hold Open Arm With Stop

DC8000 Series



Mounting holes for Quik-Install™ bracket are spaced 1" (25mm) x 10" (254mm).

Maximum Opening	A	B
85°	8" (203)	29" (737)
90°	7" (178)	28" (711)
100°	5-1/2" (140)	26-1/2" (673)
110°	4-1/8" (105)	25-1/8" (638)

Minimum Top Rail
5" (127)

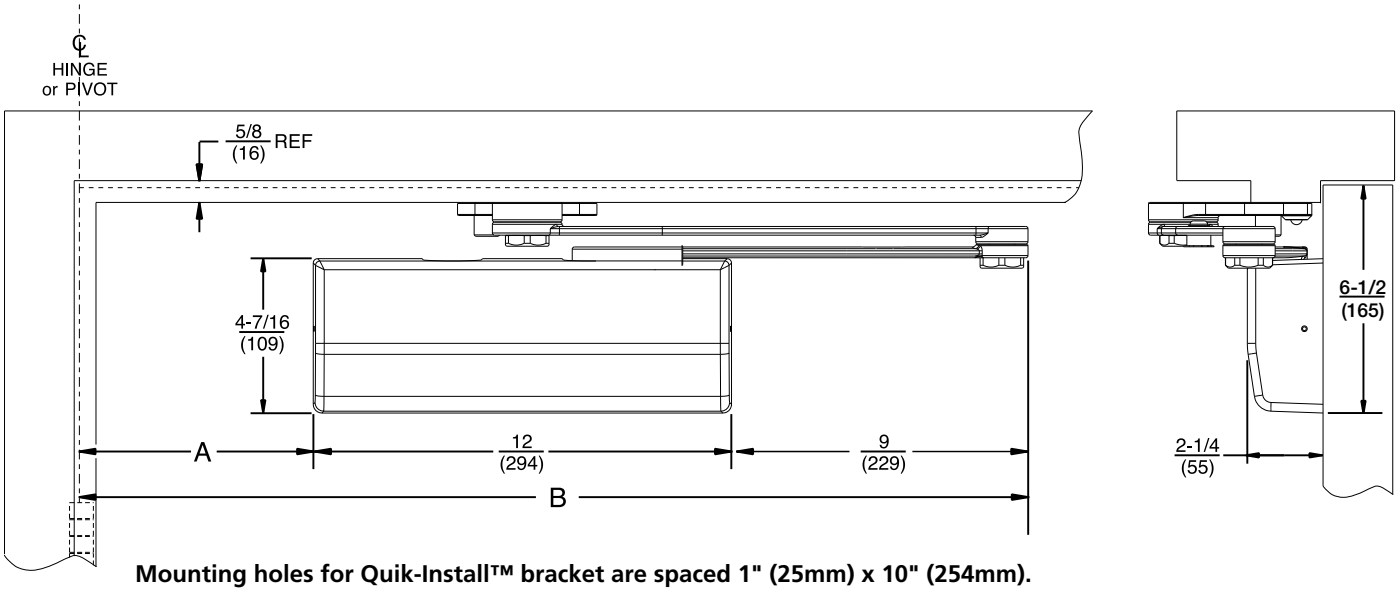
Door Width Inches (cm)		Model Numbers
Interior	Exterior	Multi-Sized Closer Hold Open
28" (71)	—	DC8210 x A2
30" (76)	—	
36" (91)	30" (76)	
42" (107)	36" (91)	
48" (122)	42" (107)	
54" (137)	48" (122)	

Consult factory if door weight exceeds 250lbs.

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Parallel Arm Mounting Heavy-Duty Non-Hold Open Arm With Stop

DC8000 Series



Mounting holes for Quik-Install™ bracket are spaced 1" (25mm) x 10" (254mm).

Maximum Opening	A	B
90°	6-7/8" (175)	27-7/8" (708)
180°	2-7/8" (73)	23-7/8" (606)

Minimum Top Rail
5" (127)

Door Width Inches (cm)		Model Numbers
Interior	Exterior	Multi-Sized Closer Non-Hold Open
28" (71)	—	DC8210 x A3
30" (76)	—	
36" (91)	30" (76)	
42" (107)	36" (91)	
48" (122)	42" (107)	
54" (137)	48" (122)	

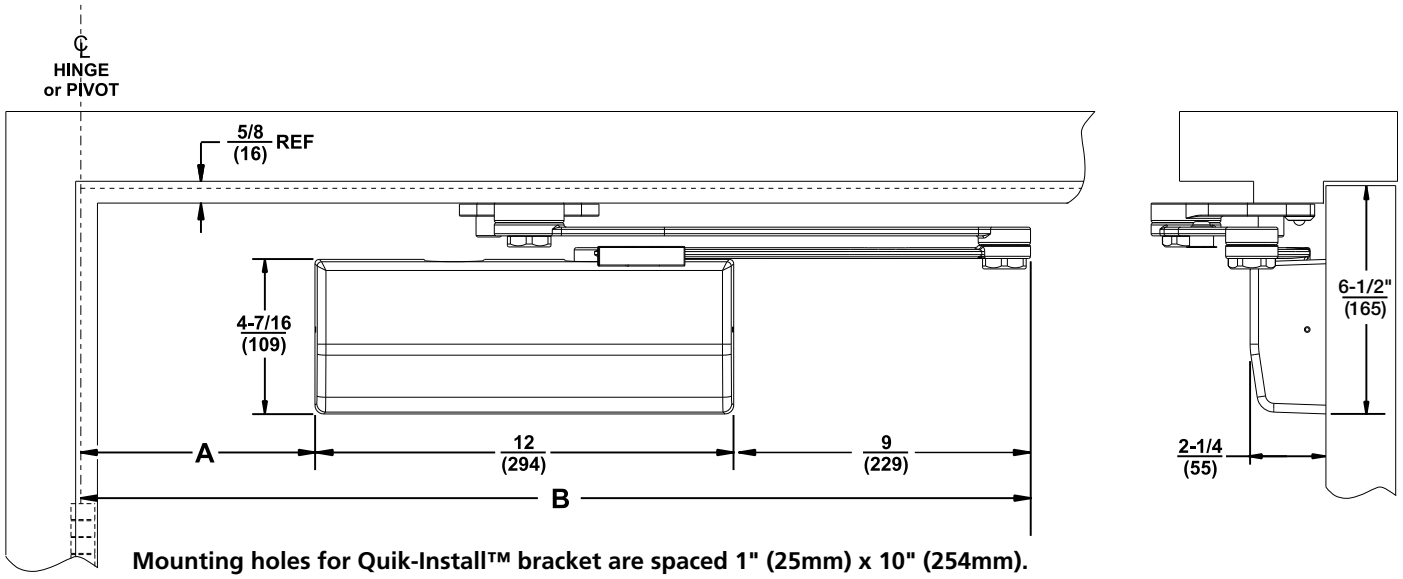
Consult factory if door weight exceeds 250lbs.

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Parallel Arm Mounting Heavy-Duty Backstop Arms

DC8000 Series



Mounting holes for Quik-Install™ bracket are spaced 1" (25mm) x 10" (254mm).

Maximum Opening	A	B
85°	7-3/4" (197)	28-3/4" (730)
90°	6-3/4" (171)	27-7/8" (708)
100°	5-1/4" (133)	26-1/4" (667)
110°	3-7/8" (98)	25" (635)

Minimum Top Rail
5" (127)

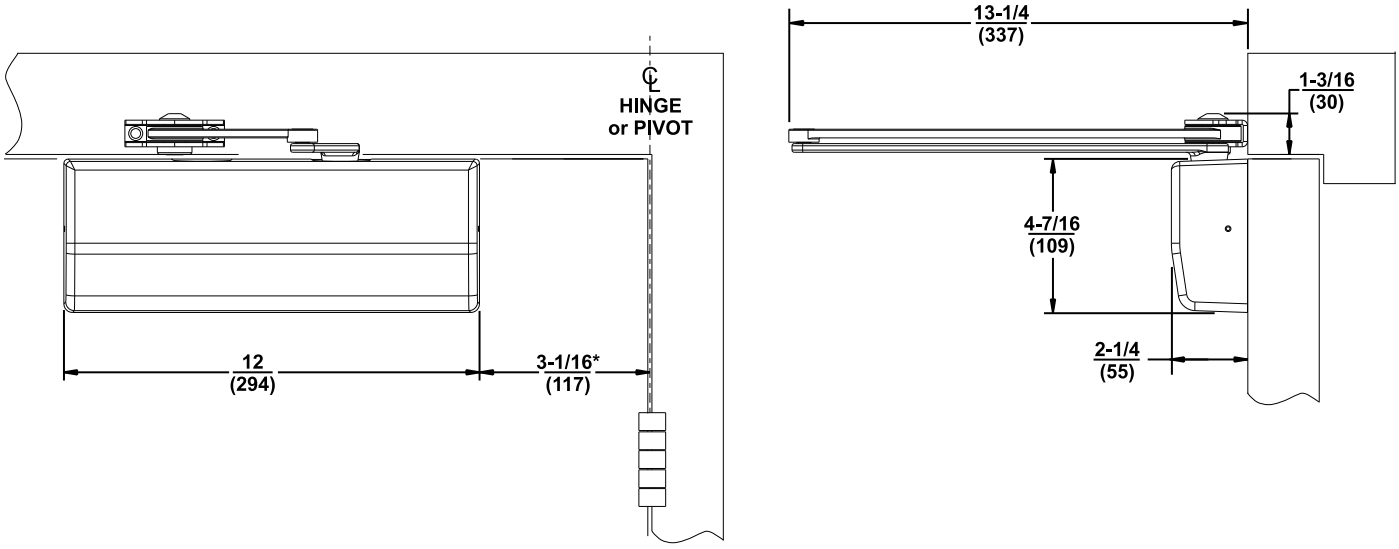
Door Width Inches (cm)		Model Numbers	
		Multi-Sized Closer	
Interior	Exterior	Non-Hold Open	Hold Open
28" (71)	—	DC8210 x A4	DC8210 x A5
30" (76)	—		
36" (91)	30" (76)		
42" (107)	36" (91)		
48" (122)	42" (107)		
54" (137)	48" (122)		

Consult factory if door weight exceeds 250lbs.

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Regular Arm Mounting Heavy-Duty Non-Hold Open Arms

DC8000 Series



To obtain extra closing force add 3" (76 mm) to dimensions marked (*).
NOTE: This will limit degree of door opening to 130°.

Mounting holes for Quik-Install™ bracket are spaced 1" (25mm) x 10" (254mm).

Minimum Header	Minimum Top Rail
1-5/8" (41)	3" (76)

Door Width Inches (cm)			Model Numbers
Interior	Exterior		Multi-Sized Closer
	In-Swinging	Out-Swinging	Non-Hold Open
28" (71)	—	—	DC8200 x A10
36" (91)	—	—	
42" (107)	30" (76)	36" (91)	
48" (122)	36" (91)	42" (107)	
54" (137)	42" (107)	48" (122)	
60" (152)	48" (122)	54" (137)	

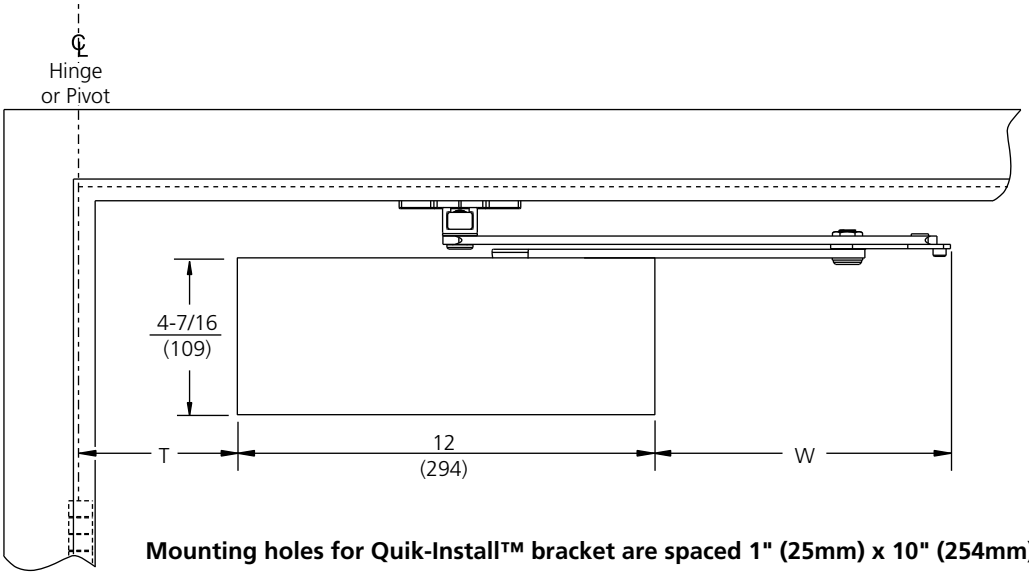
Consult factory if door weight exceeds 250lbs.

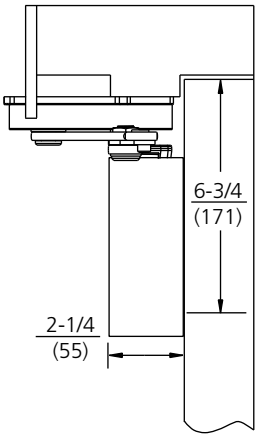
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Unitrol® Parallel Arm Mounting

DC8000 Series





Mounting holes for Quik-Install™ bracket are spaced 1" (25mm) x 10" (254mm).

Minimum Top Rail
5" (127)

Consult factory if door weight exceeds 250lbs.

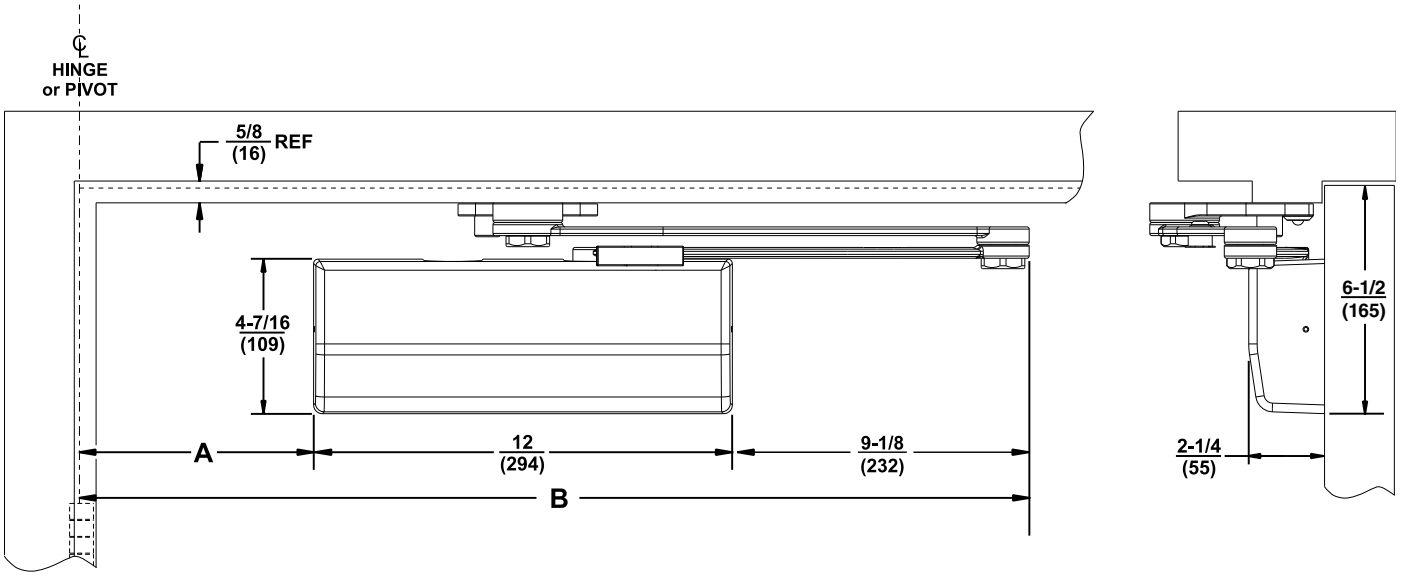
Opening		Doors 28" - 32"		Doors 33" - 41"		Doors 42" - 48"	
Hold Open	Dead Stop	T	W	T	W	T	W
85°	90°	4-3/4" (121)	8-1/2" (216)	5-3/8" (137)	10" (254)	5-7/8" (149)	11-3/8" (289)
90°	95°	4-1/4" (108)		4-7/8" (124)		5-3/8" (137)	
95°	100°	3-3/4" (95)		4-3/8" (111)		4-7/8" (124)	
100°	105°	3-3/8" (86)		3-7/8" (98)		4-3/8" (111)	
105°	110°	3" (76)		3-1/2" (89)		4" (102)	
110°	115°	2-3/4" (70)		3-1/4" (82)		3-5/8" (92)	

Door Width Inches (cm)				
Interior	Exterior	Multi-Sized Closer		
		Non-Hold Open	Hold Open	Specify door width (Quick Code)
28" (71)	—	DC8210 x A11	DC8210 x A12	W28 (28"-32") W33 (33"-41") W42 (42"-48")
30" (76)	—			
36" (91)	30" (76)			
42" (107)	36" (91)			
48" (122)	42" (107)			
54" (137)	48" (122)			

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Parallel Arm Mounting Heavy-Duty Friction Hold Open Arms

DC8000 Series



Mounting holes for Quik-Install™ bracket are spaced 1" (25mm) x 10" (254mm).

Consult factory if door weight exceeds 250lbs.

Maximum Opening	A	B
90°	6-1/2" (165)	27-5/8" (702)
180°	2-1/2" (64)	23-5/8" (600)

Minimum Top Rail
5" (127)

Door Width Inches (cm)		
Interior	Exterior	Multi-Sized Closer Hold Open
28" (71)	—	DC8210 x A14
30" (76)	—	
36" (91)	30" (76)	
42" (107)	36" (91)	
48" (122)	42" (107)	
54" (137)	48" (122)	

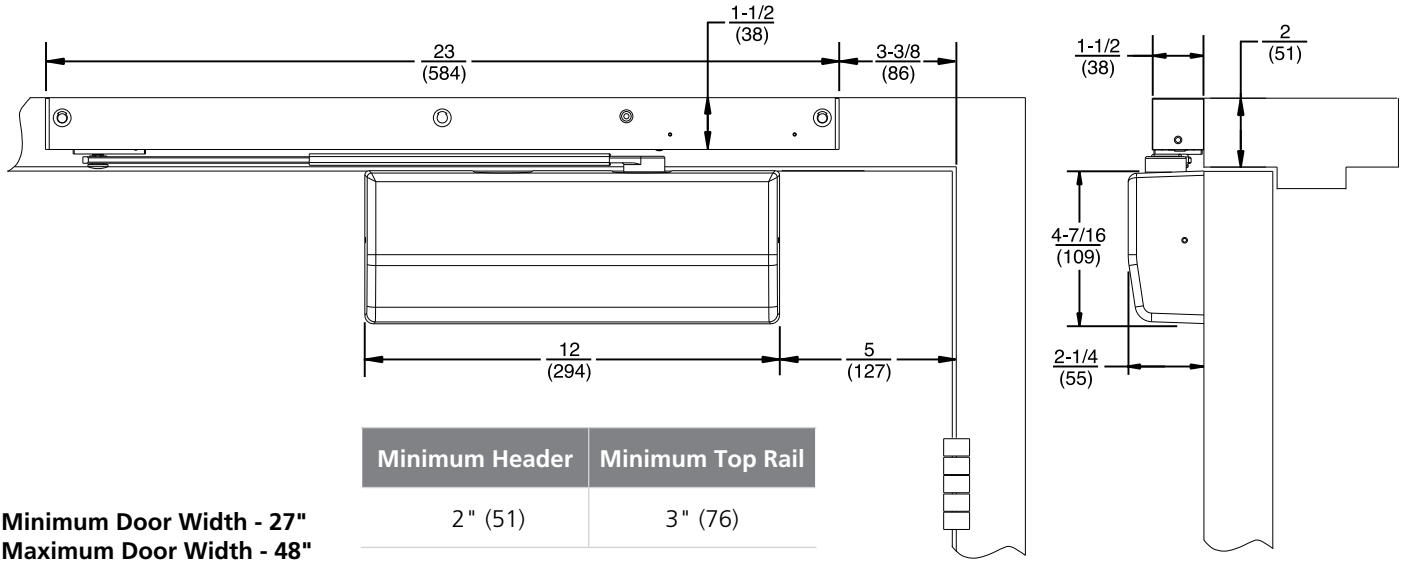
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Track Applications

DC8000 Series

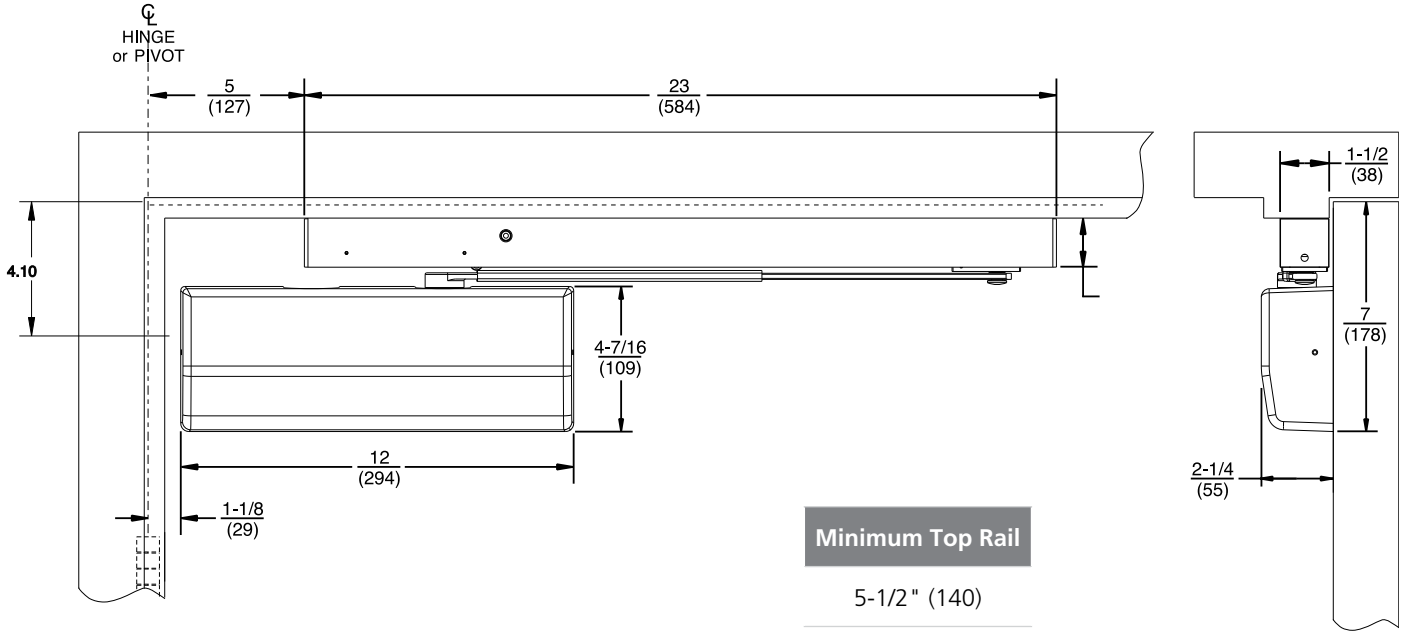
Pull Side Mounting - DC8230



Minimum Header	Minimum Top Rail
2" (51)	3" (76)

Minimum Door Width - 27"
Maximum Door Width - 48"
Consult factory if door weight exceeds 250lbs.

Push Side Mounting - DC8240



Minimum Top Rail
5-1/2" (140)

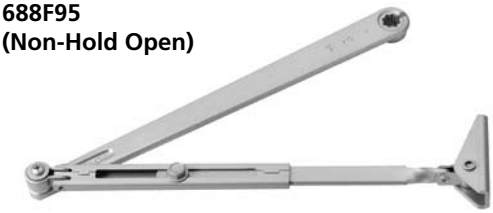
Minimum Door Width = 29"
Mounting holes for Quik-Install™ bracket are spaced 1" (25mm) x 10" (254mm)
Consult factory if door weight exceeds 250lbs.

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Arm Options

DC8000 Series

688F95
(Non-Hold Open)



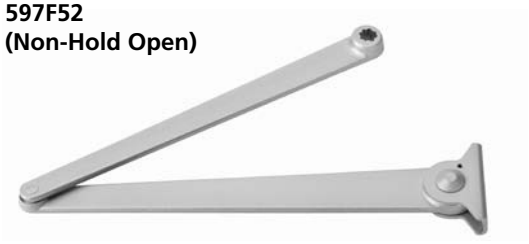
688F77
(Hold Open)



Regular Arm

- Used with Regular Arm mounting (pull side) and Top Jamb mounting (push side)
- Available in painted or plated finishes
- Non-hold open arm standard on the DC8200 closers
- Hold open arm optional, specify closer x **A1***

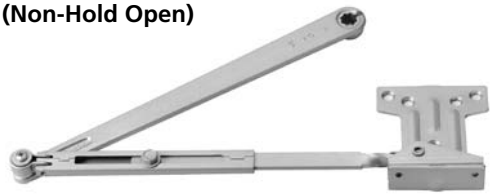
597F52
(Non-Hold Open)



Heavy-Duty Regular Arm

- Recommended for high-use, high-abuse environments
- Tamper-resistant, solid forged steel riveted arm
- Mounted on pull side
- Not available in plated finishes
- Optional on DC8200 closers, specify closer x **A10**

688F95 x 188F41
(Non-Hold Open)



Parallel Arm

- Mounted on push side
- Available in painted or plated finishes
- Non-hold open arm – combines regular arm with parallel arm mounting bracket
- Hold open arm – combines regular hold-open arm with parallel arm mounting bracket
- Non-hold open arm standard – order DC8210 series
- Hold open arm optional, specify closer x **A1***

688F77 x 509F49
(Hold Open)



Specify finish when ordering arms. *Not allowed by code on fire doors.

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Arm Options

DC8000 Series

689F02
(Non-Hold Open)



689F01
(Hold Open)



Heavy-Duty Parallel Arm

- Recommended for high-use, high-abuse environments
- Tamper-resistant, solid forged steel riveted arm
- Mounted on push side
- Not available in plated finishes
- Optional on DC8210 closers
- Non-hold open arm, specify closer x **A3**
- Hold open arm, specify closer x **A2***. Hold open range 85° to 110°
- For use with overhead stops, specify closer x **A13** (non-hold open only)

689F03
(Non-Hold Open)



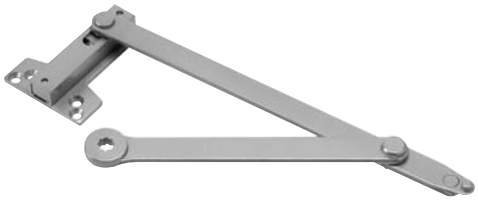
689F04
(Hold Open)



Heavy-Duty Reversible Backstop Parallel Arm

- Recommended for high-use, high-abuse environments
- Tamper-resistant, solid forged steel riveted arm (mounted on push side)
- Field-reversible steel lug restricts degree of opening to protect door, wall and hardware
- Requires both backcheck valves on closer
- Shipped standard as left hand. Handing can be reversed in the field
- Not available in plated finishes
- Optional on DC8210 closers
- Non-hold open arm, specify closer x **A4**. Door stop range 85° to 110°
- Hold open arm, specify closer x **A5***. Door stop/hold open range 85° to 110°

(Non-Hold Open)



(Hold Open)



Heavy-Duty Unitrol® Parallel Arm

- Recommended for high-use, high-abuse environments
- Integrates a door closer, shock absorber and auxiliary heavy-duty overhead stop
- Requires both backcheck valves on the closer
- Not available in plated finishes
- Hold open*
  - Holder mechanism tension adjustable
  - Hold open can be engaged/disengaged with a 1/4 turn of the mechanism with a standard blade type screwdriver
- Optional on DC8210 closers
- Non-hold open arm, specify closer x **A11 x door width**
- Hold open arm, specify closer x **A12 x door width**

Door Width	Part Numbers	
	Non-Hold Open	Hold Open
28" - 32" (71cm - 81cm)	615F52	615F51
33" - 41" (84cm - 104cm)	615F54	615F53
42" - 48" (107cm - 122cm)	615F56	615F55

Refer to page 20 for bracket information

Specify finish when ordering arms. *Not allowed by code on fire doors.

ASSA ABLOY, the global leader in door opening solutions

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45528-3/18

Arm Options

DC8000 Series

691F96
(Non-Hold Open)





Heavy-Duty Extra Clearance Parallel Arm

- Recommended for high-use, high-abuse environments
- Provides additional vertical clearance
- Mounted on push side
- Not available in plated finishes
- Optional on DC8210 closers
- Non-hold open arm only, specify closer x **A13**

Standard Clearance	Closer	691F96 With Spacer	Quick Code	Total Clearance
1-3/4"	DC8210	597F92	M77	2-1/4"
		597F93	M78	2-3/8"





Heavy-Duty Parallel Hold Open* Arm

- Recommended for high-use, high-abuse environment
- Requires auxiliary stop
- Allows door to swing 180°, conditions permitting
- Handed
- Mounted on push side
- Not available in plated finishes
- Optional on DC8210 closers
- Hold open arm, specify closer x **A14**

Part Number	Handing
692F04	Right Hand
692F05	Left Hand

*Not allowed by code on fire doors.

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Arms and Brackets

DC8000 Series



Pull Side Track Arm

- Provides a clean aesthetic look with maximum 100° door swing and a minimum door width of 28"(71cm)
- Mounted on pull side
- Hold open can be set for 85°, 90°, 95°, or 100°
- Not available in plated finishes
- Non-hold open standard on DC8230 closers
- Hold open, specify closer x **A1***

	Track Only	Arm Only
Non-Hold Open	754F09	754F16
Hold Open	754F10	



Push Side Track Arm

- Clean aesthetic look for doors opening a maximum of 100˚ and a minimum door width of 32" (81cm)
- Backcheck option recommended
- Not available in plated finishes
- Hold open*
  - From 85° to 100°
  - Turn knob offers the use the option of turning hold open on or off
- Mounted on push side

	Track and Arm	Track Only	Arm Only
Non-Hold Open	754F12	754F14	754F16
Hold Open	754F13	754F15	



Deep Reveal Arm (3-3/8" (86mm) - 7-1/4" (184mm))

- Accommodates top jamb mounting for reveals up to 7-1/4" (184mm), depending on door and frame conditions
- Mounted on push side
- Available in painted or plated finishes
- Optional on DC8220 closers
- Non-hold open, specify closer x **A6**
- Hold open, specify closer x **A8***

Non-Hold Open	691F72
Hold Open	691F74

Specify finish when ordering arms or tracks. *Not allowed by code on fire doors.

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Mounting Brackets

DC8000 Series

754F18



Universal QUIK-INSTALL Mounting Bracket

- Standard on all closers
- Reduces installation time
- Ensures correct mounting
- Bracket is first mounted to door or frame, then closer is attached
- Bracket size: 3-5/8" (92mm) x 11-1/2" (292mm)
- Hole spacing: 1" (25mm) x 10" (254mm)

244F17



Mortise Arm Bracket for Regular Arm Mounting

- For regular arm mounting where frame requires reinforcement, i.e., on frames with bull nose trim
- Not available in plated finishes
- Specify closer x M84

188F41



Parallel Arm Non-Hold Open Bracket

- Converts regular arm to parallel arm closer
- Standard with parallel arm mounting
- Packed with five screws and 691F78 spacer

509F49



Parallel Arm Hold Open Bracket

- Converts regular arm hold open to parallel arm hold open closer
- Standard with parallel arm hold open mounting

188F62



Parallel Arm Offset Bracket

- Required when parallel arm is used in conjunction with an overhead door holder
- Specify closer x M83

188F63



Parallel Arm Flush Transom Bracket

- Required when parallel arm mounting is used on a flush transom application
- Not available in plated finishes
- Specify closer x M82

Specify finish when ordering parts.

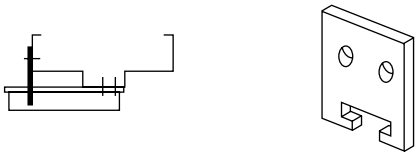
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Brackets

DC8000 Series

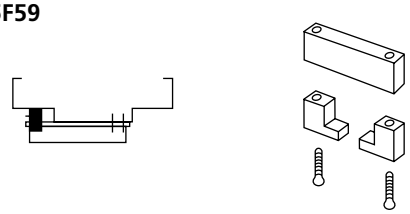
615F58



Reinforcing Bracket

- Supplied as standard for use with A11 and A12 spring stop arms
- Provides additional support to the soffit plate on installations with door frame reveals from 1-7/8" to 4-5/8" (48 to 117mm)
- Not available in plated finishes

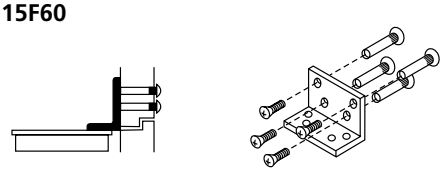
615F59



Deep Reveal Reinforcement Kit

- For use with A11 and A12 spring stop arms
- Used to support the soffit plate on installations with wide frames. Clamps may be used with or without the spacer block, depending on frame conditions
- Not available in plated finishes
- For frames deeper than 4-5/8" (117mm), specify closer x M103

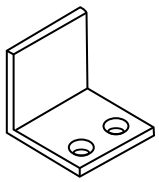
615F60



Flush Partition Bracket

- For use with A11 and A12 Unitrol® arms where rabbeted or flush transom conditions prevent installation of the soffit plate assembly
- Bracket fastens to the overhead transom to provide a mounting surface for the soffit plate assembly
- Specify closer x M104

447F14



Angle Support Bracket

- Available separately for mounting A2, A3, A4 and A5 heavy-duty arms on narrow frame or soffit conditions
- Specify closer x M85

499F30



Flush Transom Bracket

- Available separately for mounting A2, A3, A4 and A5 heavy-duty arms on rabbeted or flush transom conditions
- Not available in plated finishes
- Specify closer x M79

597F92-1/2"
597F93-5/8"



Blade Stop Spacer*

- Specify closer x M77 (597F92)
- Specify closer x M78 (597F93)

***Not for use with A11 or A12 arms**

Maximum Power



Normal Power



Power Adjustment Arm Bracket

- Standard on all closers without hold open, except heavy-duty and track type
- In regular arm or top jamb mounting, bracket may be reversed to increase closing power 15%

Specify finish when ordering parts.

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Covers and Plates

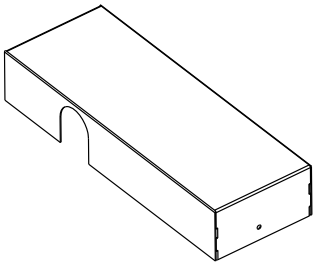
DC8000 Series

754F84



Full ABS Plastic Cover

- Standard on all DC8000 series door closers
- Completely covers closer body
- Non-handed
- Dimensions: 11-7/8" (302mm) x 4-3/16" (106mm) x 2-1/8" (54mm) deep
- Available in painted finishes only



Full Metal Cover

- For use in high-abuse applications
- Specify hand; not field reversible
- Available in painted and plated finishes
- Dimensions: 11-7/8" (302mm) x 4-1/4" (108mm) x 2-1/8" (54mm) deep

Part Numbers	
RH/LHR	LH/RHR
754F22	754F23



Drop Plate

Permits parallel arm or top jamb mounting on door when top rail is too narrow to install closer in the regular manner. Minimum 2" (51mm) top rail required. To order separately, specify Part No. x Finish.

Closer Series	Drop Plate
DC8200	754F20
DC8200 (with concealed holder)	754F24
DC8210	754F25
DC8220	754F24
DC8230	754F20
DC8240	754F25

754F36



Retrofit Plate

For installation of Corbin Russwin DC8200 series closers where doors & frames have been prepared for the DC6200 series closers. To order with closers specify Closer x Quick Code.

To Replace DC6000 Model	Part Number	Quick Code
Regular Arm	754F36	M101G
Parallel Arm or Top Jamb	754F46	M101H

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Door Closer Sizes

DC8000 Series

Factors in Determining Closer Size

1 – Weight and Height of Door

Doors vary in weight from light hollow-core wood doors to heavy metal doors. Door sizes listed in the chart are based on doors of standard weight and height. Extra-light or extra-heavy weight or unusual height must be compensated for.

2 – Draft and Wind Conditions

Draft and wind conditions are perhaps the most important factors to consider in determining the closer size required. Sizes listed in the chart apply to normal conditions. Stairwells, air conditioning, building construction, and door location can cause strong draft and wind conditions; these may necessitate adjusting spring power to a larger size or using a closer one size larger.

3 – Location of Closer

The degree of door opening required determines the location of the closer on the door. Closer sizes listed in the chart are based on 180° opening.

4 – Special Conditions

Deep reveals require optional extended arms. A top jamb plate is required when the jamb is too narrow for a normal top jamb mounting.

5 – Code Compliance

A multi-sized, fully adjustable closer such as the DC8200 closer provides the greatest flexibility in balancing barrier-free access, security and life safety codes. However, when a manual closer is installed and adjusted to comply with ADA or any other reduced opening force requirements, it may no longer have sufficient power to close and latch the door reliably.

Recommended Door Closer Sizes				
Application	Door Width			
	Interior	Exterior, In-Swinging	Exterior, Out-Swinging	Recommended Closer Size
Regular or Top Jamb	28" (71cm)	—	—	1
	36" (91cm)	—	—	2
	42" (107cm)	30" (76cm)	36" (91cm)	3
	48" (122cm)	36" (91cm)	42" (107cm)	4
	54" (137cm)	42" (107cm)	48" (122cm)	5
	60" (152cm)	48" (122cm)	54" (137cm)	6
Parallel Arm	28" (71cm)	—	—	1
	30" (76cm)	—	—	2
	36" (91cm)	—	30" (76cm)	3
	42" (107cm)	—	36" (91cm)	4
	48" (122cm)	—	42" (107cm)	5
	54" (137cm)	—	48" (122cm)	6

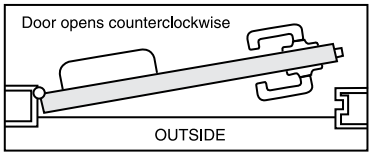
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Handing

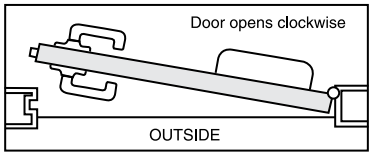
Refers to the direction a door swings; always determined from the outside of the door.

Regular Mounting

Door: left hand
Closer: left hand pull side

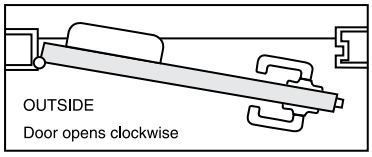


Door: right hand
Closer: right hand pull side

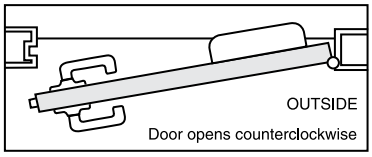


Parallel Arm Mounting

Door: left hand reverse bevel
Closer: right hand push side

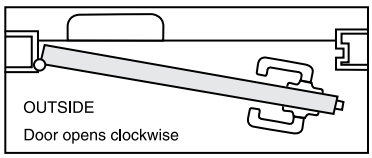


Door: right hand reverse bevel
Closer: left hand push side

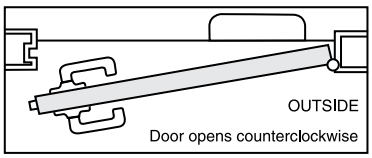


Top Jamb Mounting

Door: left hand reverse bevel
Closer: right hand push side



Door: right hand reverse bevel
Closer: left hand push side



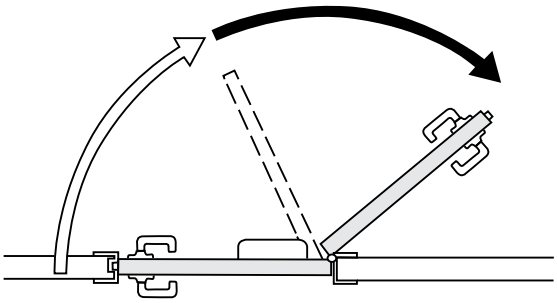
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Helpful Terms

DC8000 Series

Backcheck
Slows a door at approximately 70° of the opening cycle, by providing cushioned resistance to a forceful opening. Designed to protect people and objects behind the door and to prevent damage to the closer, hardware, and wall. Intensity can be increased or decreased. Not intended to act as a stop.



Closing Speed
The speed at which a door swings from the full open position to within a few degrees of latching. See Latching Speed.

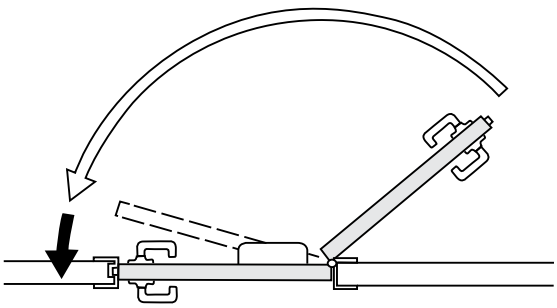
Corrosion Protection
Additional painted covering on all external parts to deter oxidation and corrosion.

Delayed Action
Slows door closing speed between maximum opening and approximately 70°. Often specified to meet barrier-free codes which require longer closing times.

Door Stop
A device to stop the swing of a door.

Hold Open
Maintains door at a particular degree of opening. A mechanical hold-open may not be used on labeled fire doors, which must be self-closing.

Latching Speed
The speed of the door during the last few degrees of closing. Allows latching and prevents slamming.



Mounting
The method by which a closer is attached to the door and frame.

Backcheck Valve
Valve that changes the degree of door angle where backcheck occurs.

Multi-Sized Closer
A closer whose spring design allows full adjustment of the spring power size from 1 through 6.

Universal Quik-Install™ Mounting Bracket
Unique bracket which simplifies installation and minimizes installer fatigue.

Sex Nuts and Bolts (SNBs)
Through-bolts required for all non-steel-reinforced fire doors, and recommended for non-reinforced wood and mineral core doors.

Spring Power
A measurement of closing force, or the ability to overcome draft, air pressure, weight or other resistance to door closing.

Star Punch
An eight-point hole in the closer arm, permitting spindle pre-loading. Provides full functioning of backcheck and delayed action valves.

Universal Mounting
The ability of a closer to accommodate either hand for regular, top jamb or (using a bracket) parallel arm mounting.

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How To Order

DC8000 Series

Ordering Examples

Stock

Quantity	Series/ Mounting/Size	Finish
50	DC8210	689

Job Specific

Quantity	Series/ Mounting/Size	Arm	Finish	Hand	Thickness	Options
50	DC8210	A6	626	RH	D138	M71-M73

Split Finish

Quantity	Series/ Mounting Size	Option	Hand	Finish	
				Cover	Arm
10	DC8210	M73	RH	626	689

Note:
- Door closer warranty becomes void if it is installed on the exterior side of a door in the exterior wall of a building
- It is strongly recommended, and it is required on fire door assemblies, that doors having a door closer be hung on ball-bearing or anti-friction hinges or pivots
- Failure to use the correct type and size fasteners may void factory warranty
- Fasteners for fire/smoke door assemblies must conform to NFPA 80. In some applications additional fasteners may be mandated by NFPA 80 that are not shipped with Corbin Russwin standard product, such as sleeve nuts
- Consult factory if door weight exceeds 250lbs.

Description	Mounting	Specify						
		Non-sized	Size 1	Size 2	Size 3	Size 4	Size 5	Size 6
Multi-sized	Regular arm, top jamb and parallel arm	DC8210	_	_	_	_	_	_
	Track (Pull Side)	DC8230	_	_	_	_	_	_
	Track (Push Side)	DC8240	_	_	_	_	_	_
Factory Pre-Sized	Regular arm, top jamb and parallel arm	_	DC8211	DC8212	DC8213	DC8214	DC8215	DC8216
	Track (Pull Side)	_	_	_	—	DC8234	DC8235	DC8236
	Track (Push Side)	_	_	_	—	DC8244	DC8245	DC8246

Where to find ordering information and quick codes

Series/Mounting/Size	Page 27
Arm	Page 28
Finish	Page 28
Handing	Page 28
Door Thickness	Page 28
Miscellaneous Options	Page 29

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Quick Codes

DC8000 Series

Arm	Specify Quick Code
Regular non-hold open	(standard)
Hold open	A1*
Heavy-duty parallel with hold open	A2*
Heavy-duty parallel non-hold open	A3
Heavy-duty backstop non-hold open	A4
Heavy-duty backstop with hold open	A5*
Deep reveal (3-3/8"-7-1/4")	A6
Deep reveal with hold open	A8*
Heavy-duty regular non-hold open	A10
Unitrol® non-hold open (specify door width)	A11
Unitrol with hold open (specify door width)	A12*
Push side track with hold open	A1*
Heavy-duty parallel with offset	A13
Heavy-duty friction hold open	A14*

***Hold open arms cannot be used on fire doors.**

Finishes

Old Designation	Description	Specify Quick Code
USP	Primed	600
US3	Bright Brass	605*
US4	Satin Brass	606*
US9	Bright Bronze	611*
US10	Satin Bronze	612*
N/A	Dark Oxidized Satin Bronze, Equivalent	613E
US26	Bright Chromium Plated	625*
US26D	Satin Chromium Plated	626*
SBL	Silver Aluminum	689
LBL	Dark Bronze	690
DBL	Light Bronze	691
FBL	Black	693
GBL	Satin Brass	696

*Metal cover is required for these finishes.

For split finish on closer cover and arm, specify cover finish first, then arm finish. (e.g., DC6200 x 625 x 689).

Handing	Specify Quick Code
Left Hand/Right Hand Reverse	LH
Right Hand/Left Hand Reverse	RH

Blade Stop Spacer	Specify Quick Code
1/2"	M77
5/8"	M78

Door Thickness	Specify Quick Code
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

Door Width (A11 or A12 arms)	Specify Quick Code
28" - 32"	W28
33" - 41"	W33
42" - 48"	W42

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Miscellaneous Options

Description	Specify Quick Code
Security Torx® machine screws	M04
Sex nuts and bolts (SNBs) (1-3/4" minimum thickness)	M54
Backcheck intensity valve	(standard)
Delayed action	M71
ABS plastic cover	(standard)
Full metal cover (Handed)	M73
Extreme temperature fluid	(standard)
Corrosion protection	M75
Drop plates - **order by number**	
Closer Series	**Drop Plate Full Cover**
DC8200 (Regular)	754F20
DC8200 (with concealed holder)	754F24
DC8210 (Parallel)	754F25
DC8220 (Top Jamb)	754F24
DC8230 (Pull Side)	754F20
DC8240 (Push Side)	754F25
Heavy-duty parallel arm flush transom bracket (499F30) used with all parallel arms except the Unitrol®	M79
Parallel arm flush transom bracket (parallel or A1)	M82
Parallel arm offset bracket	M83
Mortise arm bracket (for regular arm mounting)	M84
Angle support bracket	M85
Spacer (691F78) (formerly M86 quick code)	(standard)
Security package (available with A2, A3, A4, A5, A10 & A13 optional arms). Covers are handed.	M87
DC6000 retrofit plate (754F36)	M101G
DC6000 retrofit plate (754F46)	M101H
Deep reveal reinforcement kit	M103
Flush partition (used with *Unitrol* arm)	M104
Lead-lined cover	M108

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Specifications

DC8000 Series

ANSI/BHMA A156.4 Certified Closer Cross Reference

ANSI/ BHMA Number	Function	Series	PT 4A 15% Power Adjustment	PT 4B 35% Power Adjustment	PT 4C 50% Power Adjustment	PT 4D Adjustable Backcheck	PT 4F Delayed Action	PT 4G Dead Stop	PT 4H Fully Adjustable
CO2011 (PT 1)	Hinge Side Mounting	DC8200	S	S	S	S	O	N/A	S
CO2051 (PT1)	Hinge Side Mounting	DC8200-A1	S	S	S	S	O	N/A	S
CO2021 (PT 1)	Parallel Arm Mounting	DC8210	S	S	S	S	O	O	S
CO2061 (PT 1)	Parallel Arm Mounting	DC8210-A1	S	S	S	S	O	O	S
CO2041 (PT 1)	Top Jamb Mounting	DC8220	S	S	S	S	O	N/A	S
CO2081 (PT 1)	Top Jamb Mounting	DC8220-A1	S	S	S	S	O	N/A	S
CO2231 (PT 1)	Push Side Track Mounting	DC8240	S	S	S	S	O	O	S
CO2241 (PT 1)	Push Side Track Mounting	DC8240-A1	S	S	S	S	O	O	S
CO2211 (PT 1)	Pull Side Track Mounting	DC8230	S	S	S	S	O	O	S
CO2221 (PT 1)	Pull Side Track Mounting	DC8230-A1	S	S	S	S	O	O	S

ANSI Performance Requirements: (PT 1) — 1,500,000 cycles — closer with backcheck feature.
N/A = not available
S = standard
O = option available
ANSI Options: DC8200 includes PT4-A, B, C, D, H. Optional: PT4-F, G, J.

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Specifications

DC8000 Series

Suggested Specification

Door closers shall be of rack and pinion construction with a cold headed heat-treated steel spindle and a sintered steel piston precision machined and heat treated. The case shall be of cast iron. Closers shall have a heavy-duty, forged steel main arm.

Optional arms shall include parallel, hold open, heavy-duty, heavy-duty hold open, heavy-duty reversible backstop, heavy-duty reversible backstop with hold open, heavy-duty Unitrol®, heavy-duty *Unitrol* with hold open, deep reveal, top jamb track and stop mounted track.

The following size options shall be available:

Fully adjustable spring power to accommodate sizes 1 through 6.

Spring power shall be adjustable by one half size over minimum for each size.

All sizes shall be accommodated in one closer body. Closing shall be controlled by two valves — one to control closing speed and one to control latching speed. Valves shall be concealed against unauthorized adjustment and be non-critical with "O" ring seals.

Delayed action shall be available and shall be accomplished with a separate valve.

Closers shall be available with an adjustable backcheck intensity valve with a safety feature that automatically relieves internal pressure when backcheck has reached the desired adjustment level. Valves shall be accessible without removing the closer from the door.

Closers shall be available with a backcheck intensity valve. Backcheck begins at approximately 70 degrees of door opening for all applications. This valve shall be operative on regular, top jamb, parallel arm, and track type mountings.

Closers shall be surface applied with rectangular cover, and shall be devoid of manufacturer's trademarks. Closers shall not project over 2-3/16", and shall be capable of mounting on 1-3/4" top rail or inverted mounting on 1-3/4" top jamb. Full cover and full metal cover with security fasteners shall be available. When required, metal covers shall be available in plated finishes. Closers without hold open shall be regularly furnished with power adjustment arm bracket capable of providing a 15% power adjustment. A Quik-Install™ mounting bracket to attach the closer shall be regularly furnished. Closers not having a mounting bracket shall not be acceptable. Hydraulic fluid shall be of a type requiring no seasonal valve readjustment due to extreme temperature variations.

Closers mounted regular arm, top jamb and parallel arm shall allow for full 180° door opening.

Closers with non-hold open arms shall be listed by Underwriters Laboratories.

All closers with metal covers shall be available in architectural finishes to match corresponding door hardware.

Certification:
ANSI/BHMA A156.4, Grade 1
ADA/ANSI A117.1
UL10C and UBC

Closers shall carry a 25-year limited warranty.

Closers shall be Corbin Russwin (DC8200) series.

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For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

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45528-3/18

Corbin Russwin

ASSA ABLOY

DC46900 Series

Safeguard™ Door Closers



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in door opening solutions



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Overview

DC46900 Series

Applications

The DC46900 Series combines the strength of a heavy duty surface closer and electro-mechanical holder and is ideal for single or double door applications, linked to a smoke, fire, heat or security system. Best for new construction or renovation on:

- Corridor doors
- Stair tower doors
- Office doors
- Fire doors
- Exit doors

Advantages

- Available for multiple doors
- Push or pull arm mountings
- Low voltage AC or DC systems available
- Adjustable degree of hold open from 85° to 180°
- Concealed on/off switch for hold open
- Eliminates need for separate electromagnetic holder
- Indicator lights – green pilot, red alarm

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Features

Spring Power
Adjustable sizes 2-6.

Handing
Universal, non-handed.

Body
Cast aluminum.

Arm
Adjustable stamped steel.

Spindle
Precision machined steel.

Piston
Precision machined steel.

Springs
Tempered steel.

Valve
Adjustable sweep speed, latch speed and backcheck cushioning valves.

Seals
"O" rings.

Fluid
High lubricity hydraulic fluid.

Degree of Opening
Up to full 180° opening, with adjustable hold open from 85° to 180°.

Covers
Closer (steel material)
2-13/16" wide x 13" long x 2-1/8" deep
Holder (extruded aluminum) 1-7/8" wide x 11-3/4" long x 4-1/16" deep

Mountings
Push or pull arm mounting.
(2" standard frame)

Fasteners
Standard: combination screws for wood and metal doors.

Voltage
24VAC, 24VDC and 120VAC available.

Holder Component
UL listed low voltage magnet with built-in rectifier. Hold open adjustable from 85° to 180°. Concealed on/off switch manually disconnects hold open. Holding force variable from 0-25 lbs.

Warranty
Two-year limited warranty on entire unit.

Certification/Compliance

UL/ULC
UL listed for use on fire doors.

NFPA
Conforms to NFPA 101 Life Safety Code.

Suggested Specification

All door closer/holders shall be DC46900 Series Door Closer/Holders as manufactured by Corbin Russwin Architectural Hardware.

Closers shall be of steel rack and pinion construction to ensure durability and effective control of the door throughout the opening and closing cycles. Cases shall be cast aluminum, vacuum and pressure impregnated with resin to reduce the possibility of microporosity.

Closers shall be available in non-sized spring to accommodate various door conditions. Closing, latching and backcheck shall be controlled by three separate non-critical valves sealed with an "O" ring. High lubricity hydraulic fluid shall be furnished.

Closers shall not project over 2-1/8" and shall require a metal cover. Closers shall be capable of mounting on a 2-9/16" top rail.

Closers shall be universal type, non-handed, and shall accommodate a 180° opening in regular and parallel arm applications. Closers which cannot be mounted for up to 180° opening shall not be acceptable.

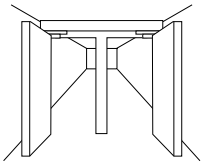
Closers shall be listed by Underwriters Laboratories.

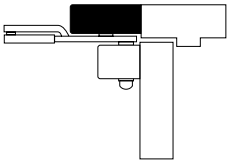
Product shall carry a two-year limited warranty.

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Mountings

DC46900 Series



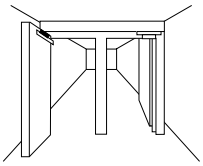


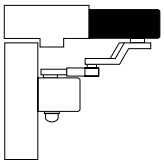
Cross corridor – doors swing in same direction.

Mounting

DC46920 Unit

Pull side mounted unit for right hand and left hand single doors or pairs of doors. For doors flush with frame, or with 1/8" maximum reveal on pull side. Minimum top rail 2-3/16".



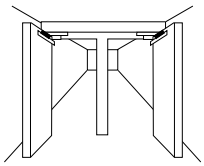


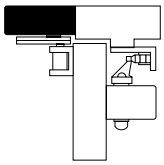
Cross corridor – double egress doors swing in opposite directions.

Mounting

DC46925 Unit

Push side mounted unit for right or left hand doors. Also suitable for double egress doors. For double egress doors and doors set within a reveal. Maximum reveal: 3-1/2". Minimum top rail 3-1/8".





Cross corridor – doors swing in same direction.

Mounting

DC46928 Unit

Pull side mounted holder body with push side mounted closer. For reverse bevel doors and to allow 180° opening of doors. Accommodates minimum door-to-wall clearance on push (closer) side, and 1/8" maximum reveal on pull (holder) side. Minimum top rail: 4".

Note: Shaded area indicates holder body.

Ordering Example

Contract/Detailed Order

Quantity	Series/Mounting	Finish	Voltage
34	DC46920	689	24D

How to Order

Series/Mounting

Description	Specify
Regular Arm	
Pull side mounted	DC46920
Parallel Arm	
Push side mounted	DC46925
Parallel Arm Closer, Pull Side Holder	
Pull side mounted holder body with push side mounted closer	DC46928

Finish

Description	Specify
SBL Silver Aluminum Painted	689
LBL Dark Bronze Painted	690
GBL Satin Brass Painted	696

Door Thickness

Description	Specify
1-3/4"	(standard)

Voltage

Description	Specify
24VAC	24A
24VDC	24D
120VAC	120A

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45051-3/18

Corbin Russwin

ASSA ABLOY

DC62900 Series

Electromechanical Closer-Holder





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Introduction

DC62900 Series

Applications

Corbin Russwin Electric Track Closer-Holders combine the functions of a single-point electromechanical door holder with the DC6200 Series door closer. The track assembly contains an arm slide and solenoid-operated hold open mechanism and is available with or without an integral smoke detector.

The closer is mounted on the door. The track is mounted to the frame face for pull side installations or the frame soffit for push side installations.

The track is an aluminum extrusion which incorporates a solenoid-actuated cam that locks the arm slide in the track at a selected point. The degree of door hold open is selected by adjustment of the telescoping arm. When there is power to the unit, the door will hold open at the selected hold open point. Any power interruption will release the arm slide and the door will close. The door can be released manually at any time.

Corbin Russwin Electric Track Closer-Holders are available in two basic functions for controlling fire/smoke doors.

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45523-3/18

Functions and Features

DC62900 Series

Functions:

Master Unit – This unit is comprised of an integral smoke detector, a solenoid hold open mechanism in the slide track and a door closer. The Master Unit can be used to control a single door or a pair of doors in conjunction with a Support Unit.
Quick Code: ETD

Support Unit – This unit is comprised of a solenoid hold open mechanism in the slide track and a door closer. These units can be installed on a single door or a pair of doors when controlled by compatible U.L. listed detection equipment such as area ceiling detectors, pull stations, and remote alarm panels. They can also be used in conjunction with a Master Unit on a pair of doors when the Master Unit smoke detector signals conditions (standby, trouble/alarm) to an alarm system's panel. The alarm panel controls the hold open function of both the Support Unit and the Master Unit.
Quick Code: ET

Note:
Application of any Corbin Russwin Electric Track Single-Point Hold Open Closer-Holder Releasing Device should be checked for compliance with both state and local codes.

Features:

Selective Single-Point Hold Open:
The DC62900 Series has one template position. The single-point hold open position is selected by adjusting the telescoping arm with a hex drive set-screw. Hold open range is 85° thru 110° in approximately 3° increments.

Spring Cushioned Dead Stop:
A spring loaded buffer block at the point of hold open prevents overtravel of the arm slide and provides a cushioned dead stop. Use of an additional wall or floor stop is always recommended.

Non-Handed:
Non-handed except when ordered with "DE" (Double Egress) arms.

Pull/Push Installations:
The track can be ordered for installation on either side of the door. List number DC62940 can be installed on the push side only. List number DC62930 can be installed on the pull side only.

Choice of Supply Voltage:
Corbin Russwin Electric Tracks are available in the most commonly used operating voltages of 24 Volts AC/DC or 120VAC, 60Hz. Power to these devices must be within a range of (+) 10% (-) 15% of the stated voltage.

Fail Safe:
In the event of a power outage, solenoid will be de-energized and the Closer-Holder will then operate as a normal door closer.

Wiring Option:
Both pull side and push side application will accommodate either concealed or surface wiring. The hook-up box will accept a 3/4" (19mm) conduit. Each DC62900 is supplied with a thin-walled conduit nut to attach the conduit clamp. State and local building codes will dictate the type of wiring permitted.

Door Closer:
The DC62900 Series is a non-handed, narrow projection closer with a full plastic cover. It has an adjustable spring for sizes 1-6. It also has four independent valves to control latch speed, closing speed, backcheck positioning and intensity. QUIK-INSTALL mounting bracket speeds installation.

Warranty:
2-year limited

U.L. Listing:
All Master Units with integral smoke detectors have been tested and evaluated for public safety by Underwriter's Laboratories and are listed for application on smoke barrier and labeled fire doors. All Support Units are U.L. listed for application with any compatible U.L. listed fire/smoke detection equipment.

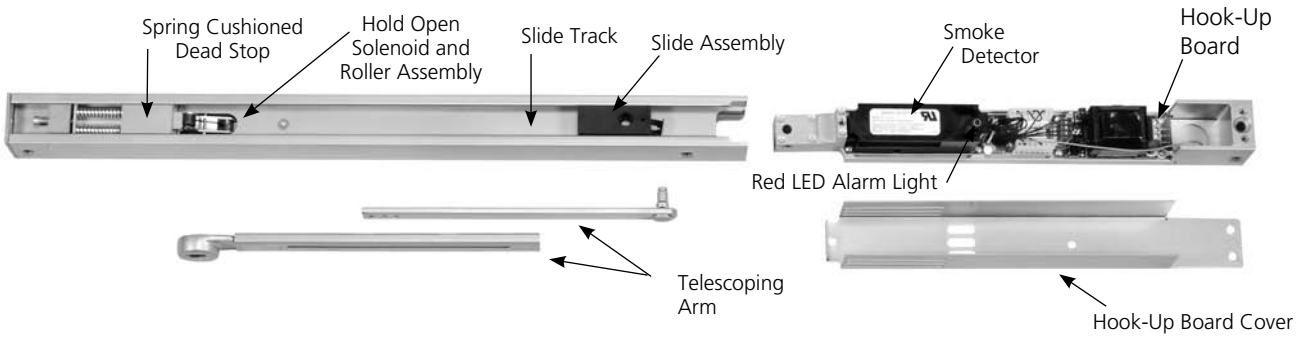
ANSI / BHMA:
The DC62900 Series is ANSI/BHMA certified for A156.15.

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Features

DC62900 Series



Features – Smoke Detector:

Photoelectric Sensing
Detector employs a photoelectric chamber to substantially reduce the probability of false alarms.

Fire/Smoke Control Circuit
Interprets the alarm signal from the detector and provides switching contacts to interrupt power to the hold open solenoid and divert it to activate optional audio/visual alarms.

Alarm (Relay) Contacts
Normally open in standby condition (energized, non-alarm state). These contacts close during an alarm condition (smoke detected) and switch power from the solenoid to an optional local alarm.

Trouble (Relay) Contacts
Normally closed in standby condition, these supervisory contacts monitor the continuity of power within the detector circuit. Any power interruption within the detector circuit will open these contacts. They can then be used to simultaneously indicate a trouble condition to the alarm panel on a separate trouble circuit.

Quick Disconnect Modules
Each component, solenoid coil, detector and control feature quick disconnect wiring for easy servicing and replacement.

Locked-In Alarm
When a unit alarms, it must be manually reset. This can be accomplished by remote control from the alarm console or by the reset button in the smoke detector. Reset button is accessible through the center louver in the underside of the track. Reset by rotating LED chamber using small flat blade screwdriver.

Indicator Lights
Normal Mode: A red LED flashes once every eight (8) seconds.
Clean Mode: A red LED flashes once every second.
Alarm Mode: A red LED illuminates continuously.

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Electrical Information

DC62900 Series

Ordering Voltages:

Type of Unit	Model	# of Power Input Lines	Choices of Voltage Input	Can be used with
Master	ETD-24	1	24 VAC/DC	Support Model ET
	ETD-120		120 VAC, 60 Hz	
Support	ET-24	1	24 VAC/DC	Area Smoke Detection System or Master Model ETD24-120
	ET-120		120 VAC, 60Hz	Area Smoke Detection System

Operating voltage or voltages for the control of fire/smoke doors are specified by the architect, electrical engineer and alarm system engineer and/or contractor. Consulting with these sources will verify which operating voltage(s) should be ordered.

"ETD" Master Units

- Two components require electrical power:
  - Integral smoke detector requires 24VDC input power.
  - Hold open solenoid requires 24VDC input.
- Hook-up box receives primary voltage input and distributes it to the smoke detector and hold open solenoid(s).
- **Available with two voltage options:**
  - **ETD-24 suffix –**
    - Accepts 24VAC or 24VDC power input.
    - A rectifier in the hook-up box will rectify alternating current to direct current for operation of both the smoke detector and hold open solenoid(s).
  - **ETD-120 suffix –**
    - Accepts 120VAC power input.
    - A 120VAC to 24VAC transformer in the hook-up box steps the input voltage down to 24VAC. It is then rectified to 24VDC for operation of both the smoke detector and the 24VDC hold open solenoid(s).

"ET" Support Units

- Hold open solenoid requires electrical power.
- Solenoid controlled by smoke detection equipment (ceiling detectors) or remote alarm panels.
- Available for operation on 24VAC/DC or 120VAC, 60Hz.
- Hold open solenoid operates on direct current.
- Contains built-in rectifier that converts alternating current to direct current.

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Mountings

DC62900 Series

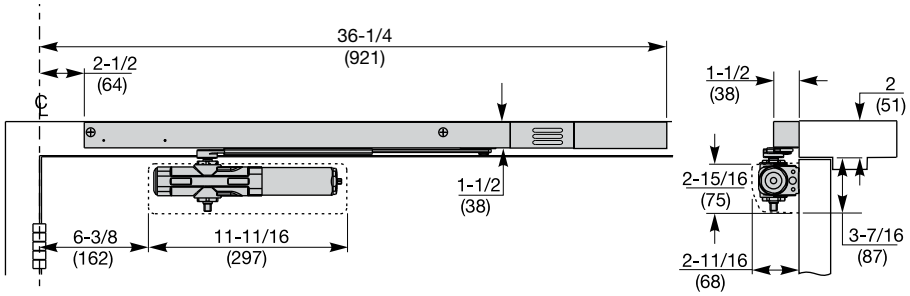
DC62930
Pull (Hinge) Side Mounting

Model #	Description
DC62930 x ETD	Master Unit Controlled by Integral Smoke Detector
DC62930 x ET	Support Unit Controlled by Remote Detection Equipment

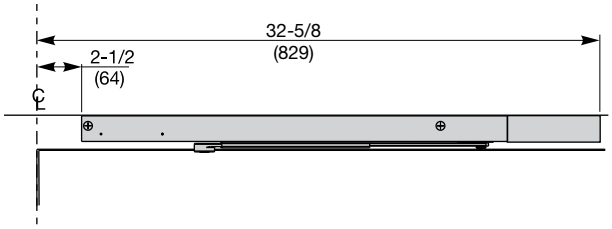


DC62930 x ETD

Master Unit



Support Unit Track



Minimum ceiling clearance 2-1/8" (54mm)

	Door(s) Opening Inches (cm)		Model Number & Type
	Max.	Min*	
Single Door	48" (122)	36" (91)	(1) DC62930 x ETD Master Unit
Single Door	48" (122)	32" (81)	(1) DC62930 x ET Support Unit
Pair of Doors	96" (244)	68" (173)	(1) DC62930 x ETD Master Unit and (1) DC62930 x ET Support Unit
Pair of Doors	96" (244)	64" (163)	(2) DC62930 x ET Support Units

* Minimum door opening for standard installation. Consult factory for door openings narrower than those shown.

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DC62940
Push (Stop) Side Mounting

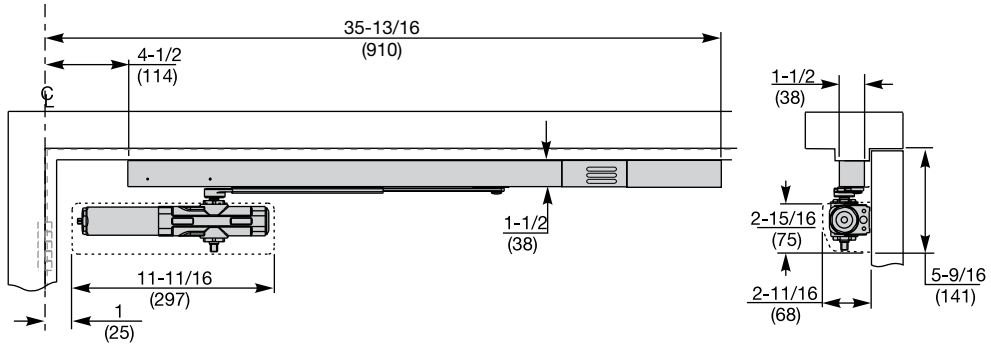
Model #	Description
DC62940 x ETD	Master Unit Controlled by Integral Smoke Detector
DC62940 x ET	Support Unit Controlled by Remote Detection Equipment

Interference with other hardware (vertical rod exit devices, magnetic locks, etc.) must be considered when selecting this product.

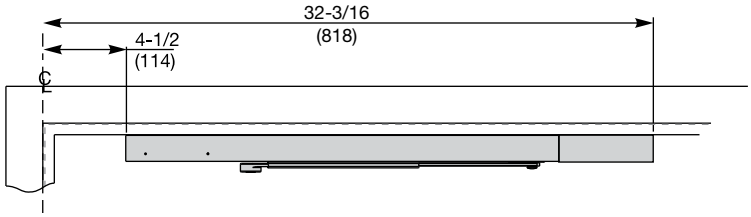


DC62940 x ET

Master Unit



Support Unit Track



Minimum 1-1/2" (38mm) frame soffit required.

	Door(s) Opening Inches (cm)		Model Number & Type
	Max.	Min*	
Single Door	48" (122)	38" (97)	(1) DC62940 x ETD Master Unit
	48" (122)	36" (91)	(1) DC62940 x ET Support Unit
Pair of Doors	96" (244)	74" (188)	(1) DC62940 x ETD Master Unit and (1) DC62940 x ET Support Unit
	96" (244)	71" (180)	(2) DC62940 x ET Support Units

* Minimum door opening for standard installation. Consult factory for door openings narrower than those shown.

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Brackets and Covers

DC62900 Series

188F03



Quik-Install™ Mounting Bracket

- Standard on all closers
- Reduces installation time
- Ensures correct mounting
- Bracket is first mounted to door or frame, then closer is attached
- Bracket size: 1-3/4" (44mm) (vertical) x 6" (152mm) (horizontal)
- Hole spacing: 1" (25mm) (vertical) x 4-5/16" (110mm) (horizontal)

597F78



Full Cover

- Standard on all DC6000 series door closers
- Completely covers closer body
- Non-handed
- Dimensions: 11-5/8" (295mm) x 3" (76mm) x 2-3/4" (70mm) deep
- Available in painted finishes only



Full Metal Cover

- For use in high-abuse applications
- Specify hand; not field reversible
- Available in painted and plated finishes
- Dimensions: 11-1/2" (292mm) x 2-7/8" (73mm) x 2-3/4" (70mm) deep
- To order specify closer x M73

Cover	Model #
RH/LHR	603F55
LH/RHR	603F57

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Parts

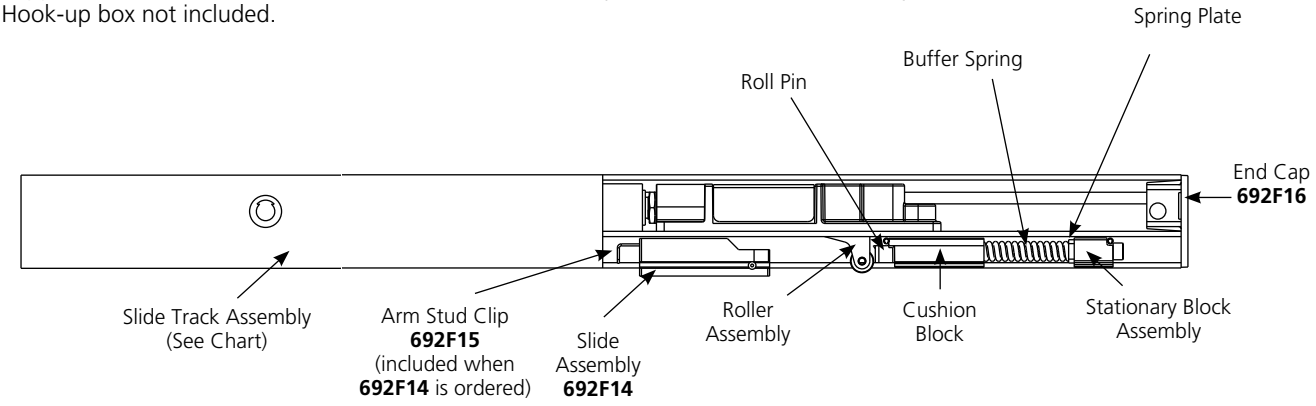
DC62900 Series

Metal covers and arm assemblies are available in painted or plated finishes. Plastic covers and track assemblies are available in painted finishes only.

Description	Voltage	Part Number	
		Hinge Side	Stop Side
Master or Support Unit	24V	754F52	754F53

Master Unit Track Assemblies include track, slider assembly, solenoid block assembly and detector. Hook-up box not included.

Support Unit Track Assemblies include track, slider assembly and solenoid block assembly. Hook-up box not included.



Miscellaneous Parts	
Description	Part Number
Fuse	754F66
Smoke Detector Board	754F73
Solenoid Block Assembly	692F17
Hook-Up Box Cover Kit (Master)	754F71
Hook-Up Box Cover Kit (Support)	754F72

Hook-Up Boxes			
Description	Voltage	Hinge Side	Push Side
Master	24V	754F56	754F61
	120V	754F57	754F62
Support	24V	754F58	754F63
	120V	754F59	754F64

Description	Voltage	Part Number
		Hook-Up Board
Master or Support	24V	754F54
	120V	754F55

NOTE: Mounting hardware included with all parts orders.

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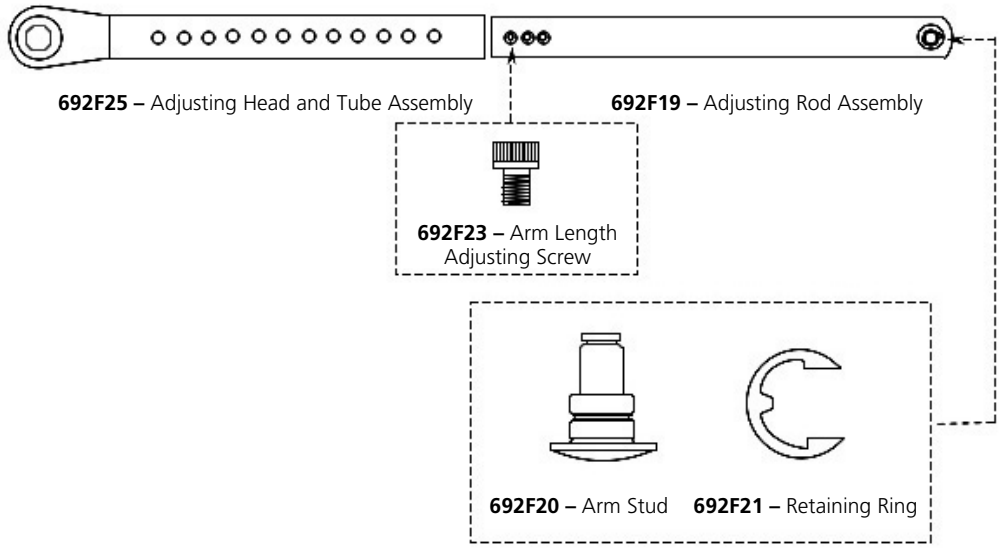
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Parts

DC62900 Series

Standard Arm Assembly

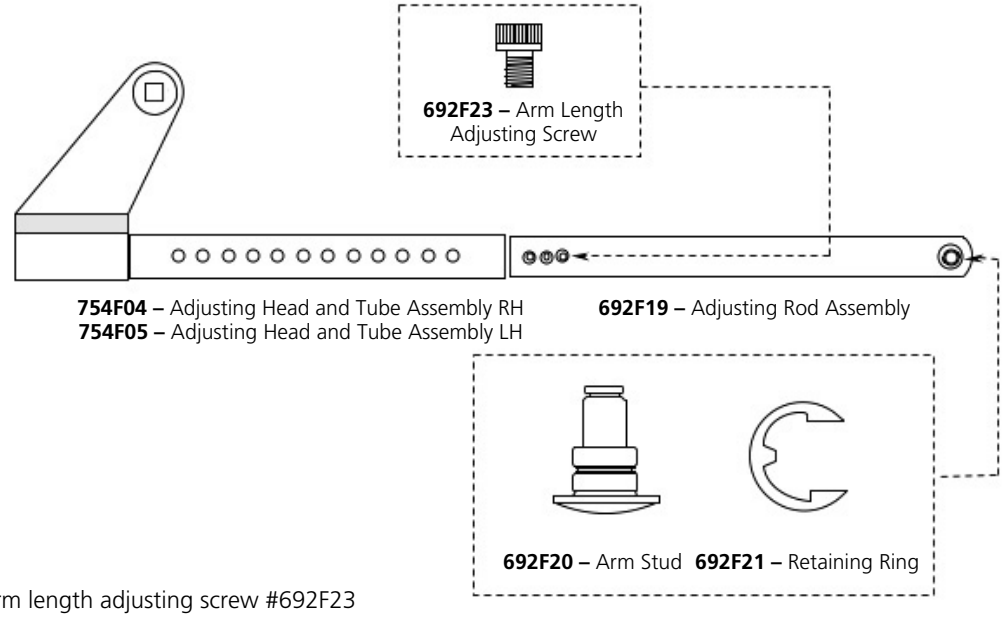
692F24[1, 2]



Double Egress Arm Assembly

(Specify model x Quick Code A6)

754F02 – (Right Hand)[1,2]
754F03 – (Left Hand)[1,2]



1 Includes arm length adjusting screw #692F23
2 Includes arm tube & adjusting rod assembly

NOTE: Mounting hardware included with all parts orders.

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How To Order

DC62900 Series

Ordering Examples

Application	Model #
Pull Side Mounting	
Master (detectored)	DC62930 x ETD
Support	DC62930 x ET
Push Side Mounting	
Master (detectored)	DC62940 x ETD
Support	DC62940 x ET

Finish

Standard painted finishes

Description		Specify
USP	Primed for Painting	600
SBL	Silver Aluminum Painted	689
LBL	Dark Bronze painted	690
DBL	Light Bronze Painted	691
FBL	Black Painted	693
GBL	Satin Brass Painted	696

Example

Quantity	Model Number	Voltage	Finish	Door Thickness	Misc. Options
3	DC62930 x ETD	120A	689	D134	M73

Requirements

Single Door	Pair of Doors
(1) ETD or (1) ET	(1) ETD and (1) ET or (2) ET

Miscellaneous Options

Description	Specify
Torx screws	M04
Sex nuts and bolts (SNBs)	(Standard)
Backcheck intensity and location valves	(Standard)
Full cover	(Standard)
Full metal cover	M73

Door Thickness

Door Thickness	Specify
1-3/4" (44mm)	(Standard)

Voltage

Description	Specify
24VAC	(Standard)
24VDC	24D
120VAC	120A

Arm

Door Thickness	Specify
Double Egress Arm - 1/8" to 3" deep reveal	A6

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Specification

DC62900 Series

Suggested Specification

Closer for _____ doors shall be electromechanical closer-holder. Hold open to be achieved by electric solenoid locking of the closer arm slide in its track. Track, arm, slide (and) solenoid (and integral smoke detector) to be contained in a single aluminum extrusion 1-1/2" (38mm) high, 1-1/2" (38mm) deep. Closer shall be door mounted. Track and hold open mechanism shall be surface mounted to the frame face for application on the pull side of the door and frame soffit mounted for application on the push side of the door.

Single point hold open shall be selective through a range of 85° to 110°. Hold open point to be achieved by adjustment of a telescoping closer arm.

Closer shall be hydraulic with full rack and pinion enclosed in a cast iron shell. Hydraulic fluid shall be non-gumming and non-freezing. Closer shall have two non-critical values to independently regulate sweep speed and latch speed. It shall have an adjustable backcheck cushioning valve.

(Master units to have an integral smoke detector with photoelectric chamber. Master units integral smoke detector shall have latching alarm and reset switch.) (Support units to be controlled by U.L. Listed Smoke Detection Equipment.) Units to be fail safe and close the door during any interruption to the electrical power. The hold open solenoid coil shall have a maximum amperage draw of (.090 Amps at 24 volts) (.035 Amps at 120 volts). Unit shall have a switch to permit testing of the releasing device function without alarming the system.

All wiring connections shall be made without the need of wire nuts or soldering.

(Master unit(s) shall require a (24VAC/DC) (12OVAC, 60Hz) power input.) (Support unit(s) shall require a (24VAC/DC) (I2OVAC, 60Hz.) power input.) Supplier to coordinate electrical requirements with electrical and alarm system engineers. Wiring (and conduit) by others.

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Notes

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For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

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Access 600®

RNE1

Sleek Networked Access Control



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Access 600® RNE1

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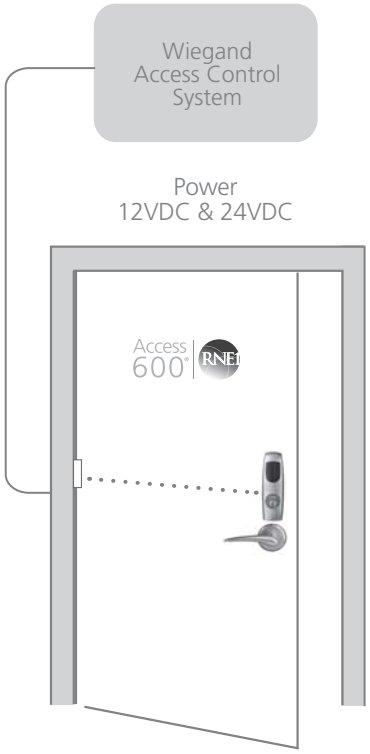
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Designed with architects and designers in mind, the Access 600® RNE1 proximity reader is housed in a smaller size trim, but there is nothing small about the security features inside.

The *Access 600* RNE1 seamlessly integrates a full range of Grade 1 Corbin Russwin mechanical hardware into your Wiegand access control system. The *Access 600* RNE1 proximity reader works with HID® 125 kHz prox, 13.56 MHz iCLASS SE® or Personal Identity Verification (PIV) credentials. Customized monitoring options, wide range of quality hardware and easy system expansion define the *Access 600* RNE1 advantages. For continuity of design, the *Access 600* RNE1 series is available with lever designs and finishes for all four types of locks.



The Genuine HID Technology logo is a trademark owned and licensed by HID Global.

Electrical Specifications

Specific voltage and current draw specification are located in each lock category; Mortise, Cylindrical, Multi-Point and Exit Device.

Features & Benefits

Consolidates all components into the lock

- Incorporates card reader and DPS, REX and Latchbolt monitoring sensors with ANSI Grade 1 electromechanical lock hardware
- Requires only one cable run from lock to access control panel
- Maintains architectural integrity around the door
- 50% faster installation for lower installed cost and reduced disruption
- Open architecture platform is compatible with all popular access control systems. Elegant design with numerous architectural elements to match or enhance your decor
- Complete hardware portfolio, including mortise, cylindrical, exit device and multi-point locking hardware
- Available with commercial and decorative lever styles
- 13 architectural finishes
- Supports HID 125 kHz proximity credentials (M802), including Corporate 1000, to match your card format or HID 13.56 MHz iCLASS SE® credentials (M812) (iCLASS, iCLASS SE® (SIO-enabled), iCLASS® Seos®, MIFARE® Classic (SIO-enabled), MIFARE DESFire® EV1 (SIO-enabled)) and PIV credentials

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Overview

Access 600 | RNE1

Applications

Access 600 RNE1 is ideal for

› Corporate campuses

› Educational facilities

› Healthcare facilities

Wiegand Open Architecture:

› Cost effective, easy system expansion

› Integrates mechanical door hardware with existing access control system

› The reader is housed within the exterior escutcheon* and works with 125 kHz prox, 13.56 MHz iCLASS SE or PIV credentials.



MORTISE LOCK - ML20600 x RNE1



CYLINDRICAL LOCK - CL33600 x RNE1



EXIT DEVICE - ED5000N x 9600 x RNE1



MULTI-POINT LOCK - FE6600 X RNE1

M802

The M802 125 kHz (proximity) version of Open Architecture Wiegand Access Control Platform offers a high level of security and convenience. The M802 requires a proximity card/fob/tag presentation to gain entry. The 125 kHz reader operates on 12VDC.

M812

The M812 13.56 MHz iCLASS SE (contactless) (iCLASS, iCLASS SE (SIO-enabled), iCLASS Seos, MIFARE Classic (SIO-enabled), MIFARE DESFire EV1 (SIO-enabled)) version of Open Architecture Wiegand Access Control Platform offers a high level of security and convenience. The M812 requires an iCLASS or iCLASS SE card/fob/tag presentation to gain entry. The 13.56 MHz iCLASS SE reader operates on 12VDC or 24VDC.

PIV: Personal Identity Verification

The IV variants support personal identity verification (PIV) credentials, providing strong authentication to verify the identity of individuals seeking physical access to federally-controlled government facilities.

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Features

Access 600 RNE1

ML20600 RNE1 Mortise Locks

The *Access 600* RNE1 mortise lock integrates into an existing Wiegand-compatible access control system and can monitor Latchbolt position, Request to Exit, and Door Position status, all within the lockbody. Secure door position monitoring feature ensures latchbolt is extended when door is closed.

The Grade 1 *Access 600* RNE1 mortise lock is designed to meet the rigors of high-traffic commercial, institutional, industrial and government applications. Constructed of heavy-gage steel, the lockbody features our patented Quick Reversible latchbolt, and a 1" stainless steel deadbolt.

Featuring EcoFlex® Technology*

- Reduces energy consumption up to 96%, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

Monitoring Features

- Request to exit
- Secure door position monitors latchbolt and door position in series

Handing

- Handed; quick reversibility
- The lockset can be re-handed without disassembling the lock body

Door Thickness

- 1-3/4" (44mm) standard
  Optional door thicknesses in 1/8" increments available; see Quick Code section

Backset

- 2-3/4" (70mm)

Lockcase

- Heavy-gage chrome plated steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm)

Front

- Heavy-gage steel, 8" (203mm) x 1-1/4"(32mm) x 3/32" (2mm)
  Accommodates non-beveled and beveled doors

Armored Front

- Wrought brass, bronze or stainless steel attached by machine screws to lockcase front

Latch

- Patented, quick, reversible 2-piece mechanical with anti-friction insert 5/8" (16mm) x 1" (25mm) x 3/4" (19mm)
  U.S. Patent #6,349,982

Auxiliary Latchbolt

- 9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking

Deadbolt

- One-piece stainless steel, 19/32" (15mm) x 1-1/4"(32mm) x 1" (25mm) throw
- Standard trim is through bolted, not free floating
- Muséo® trim is not through bolted, free floating

Hub

- Steel, 5/16" (8mm)

Strike

- Wrought brass, bronze or stainless steel ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center
- Optional strikes, lip lengths and ANSI wrought strike box available

Cylinder

- 1000-138-A01, 6-pin, L4, keyed random, furnished standard for 1-3/4" (44mm) door
- Optional cylinders available

Warranty

- 10-year limited mechanical
- 2-year limited electrical

ANSI

- Meets A156.13, Grade 1 requirements
- Meets A117.1 Accessibility Code
- Meets A156.25 requirements

EAC Regulatory Compliance*

- UL294 6th Edition
- CAN/ULC S319
- BHMA A156.25

*All product lines except Latch Retraction Variants: ELR MP9800, ELR 7000

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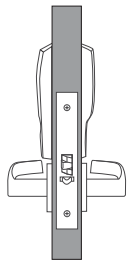
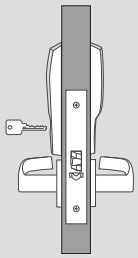
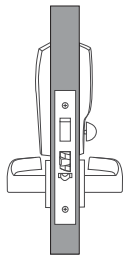
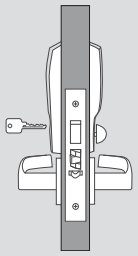
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Functions

ML20600 RNE1 Mortise Locks

Access 600 RNE1

Outside Inside	Series/Function	Type	Function Description
	ML20607 x TCRNE1 x SAF Fail Safe No Key Override No Deadbolt	Entry	• Fail Safe - Power off unlocks outside trim • Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when valid user credential presented • Request to exit and secure door position monitor are standard
	ML20606 x TCRNE1 x SAF Fail Safe With Key Override No Deadbolt	Entry	• Fail Safe - Power off unlocks outside trim • Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when valid user credential presented • Key outside retracts latch • Request to exit and secure door position monitor are standard
	ML20609 x TCRNE1 x SAF Fail Safe No Key Override With Deadbolt	Entry With Deadbolt	• Fail Safe - Power off unlocks outside trim • Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when valid user credential presented • Turnpiece inside extends and retracts deadbolt • Request to exit and secure door position monitor are standard
	ML20608 x TCRNE1 x SAF Fail Safe With Key Override With Deadbolt	Entry With Deadbolt	• Fail Safe - Power off unlocks outside trim • Deadlocking latch • Latch and deadbolt retracted by inside lever and Deadbolt at all times • Outside lever rigid except when valid user credential presented • Key outside projects or retracts deadbolt and retracts latch • Turnpiece inside extends and retracts deadbolt • Request to exit and secure door position monitor are standard

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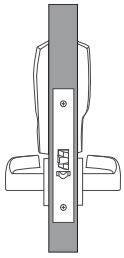
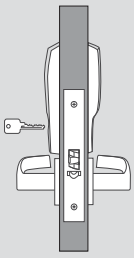
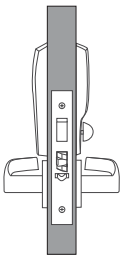
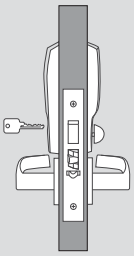
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Functions

Access 600 RNE1

ML20600 RNE1 Mortise Locks

Outside Inside	Series/Function	Type	Function Description
	ML20607 x TCRNE1 x SEC Fail Secure No Key Override No Deadbolt	Entry	• Fail Secure - Power off, trim outside is locked • Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when valid user credential presented • Request to exit and secure door position monitor are standard
	ML20606 x TCRNE1 x SEC Fail Secure With Key Override No Deadbolt	Entry	• Fail Secure - Power off, trim outside is locked • Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when valid user credential presented • Key outside retracts latch • Request to exit and secure door position monitor are standard
	ML20609 x TCRNE1 x SEC Fail Secure No Key Override With Deadbolt	Entry With Deadbolt	• Fail Secure - Power off, trim outside is locked • Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when valid user credential presented • Turnpiece inside extends and retracts deadbolt • Request to exit and secure door position monitor are standard
	ML20608 x TCRNE1 x SEC Fail Secure With Key Override With Deadbolt	Entry With Deadbolt	• Fail Secure - Power off, trim outside is locked • Deadlocking latch • Latch and deadbolt retracted by inside lever and Deadbolt at all times • Outside lever rigid except when valid user credential presented • Key outside projects or retracts deadbolt and retracts latch • Turnpiece inside extends and retracts deadbolt • Request to exit and secure door position monitor are standard

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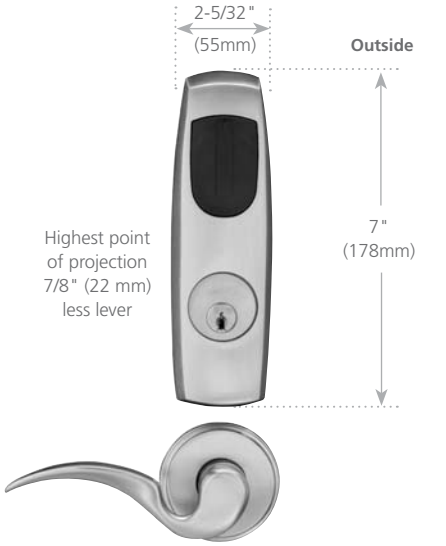
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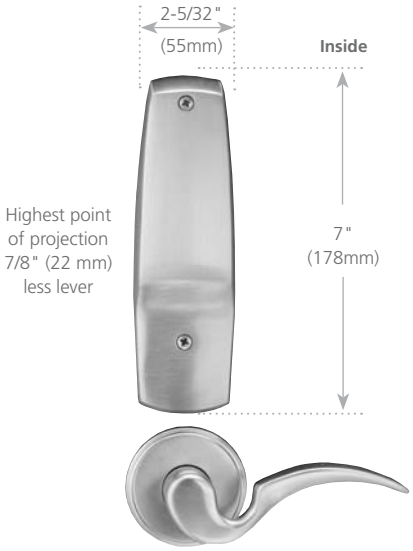
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Escutcheons & Electrical Specifications

ML20600 RNE1 Mortise Locks

Access 600 RNE1





Escutcheons*

- Solid casting
- Highest point of projection 7/8" (22 mm) less lever
- Operating temperature -40°F (-40°C) to 151°F (66°C)
- LEDs indicate valid/invalid credentials
- Lever x sectional trim only

Reader - M802 (125 kHz proximity credentials)

- Reader requires 12VDC

ML20600 x M802 Electrical Specifications:

- Reader draw = 150 mA
- Actuator draw = 15 mA continuous
- Maximum (2) locks per 1 Amp power supply (500 mA peak current draw)

Note: The M802 reader requires 12VDC for power. As the lock accepts either 12 or 24V, we recommend a 12V power supply to support both the lock and reader with a single power supply.

Reader - M812 or IV- (13.56 MHz iCLASS SE or PIV) credentials

- Reader requires 12 or 24VDC

ML20600 x M812 or IV- Electrical Specifications:

- Reader draw = 150 mA
- Actuator draw = 15 mA continuous
- Maximum (2) locks per 1 Amp power supply (500 mA peak current draw)

Note: M812 and IV- reader uses 12 or 24VDC

*** U.S. Patent D601,001S; D601,002S; D601,003S; D602,762S**

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High Security Monitoring

ML20600 RNE1 Mortise Locksets

Access 600 RNE1

ML20600 Series Electrified Mortise Lock with High Security Monitoring

The EcoFlex® electrified mortise lock platform, including Access 600 RNE1, is available with internal end-of-line resistors for comprehensive monitoring of the circuit between the access control panel and lock, as well as deadbolt privacy function.

High Security Monitoring Options

- **Internal End-of-Line Monitoring**
  Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

  Select a compatible resistor configuration and add the appropriate quick code to the beginning of your order string:
  – **R01**: Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision
  – **R03**: Software House compatible 1KΩ/2KΩ resistance supervision
  – **R04**: AMAG compatible 4-state supervision

- **Deadbolt Privacy Function (PHR-)**
  – Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.
  – Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower areas
  – To order, add the PHR- quick code to Options order string (available with deadbolt functions only)

Ordering Examples

Quantity	Series/ Function	Technology Code	Trim	Finish	Hand	Credential Quick Code	Fail-Safe/ Fail-Secure	High Security Monitoring Options
2	ML20608	TCRNE1	111X	626	RHR	M802	SEC	PHRR01

› ML2000 Mortise Lock x *Access 600* RNE1 x No Cylinder x Deadbolt x Fail-Secure
› Muséo® lever 111 with X rose
› Satin chrome finish
› Right hand reverse
› 125 kHz Proximity reader
› Deadbolt privacy function, Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision

Quantity	Series/ Function	Technology Code	Trim	Finish	Hand	Credential Quick Code	Fail-Safe/ Fail-Secure	High Security Monitoring Options
2	ML20609	TCRNE1	111X	626	RHR	M812	SEC	R03

› ML2000 Mortise Lock x *Access 600* RNE1 x No Cylinder x Deadbolt x Fail-Secure
› Muséo® lever 111 with X rose
› Satin chrome finish
› Right hand reverse
› 13.56 MHz iCLASS SE smart card reader
› Software House compatible 1KΩ/2KΩ resistance supervision

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Available Trim Options

ML20600 RNE1 Mortise Locks

Access 600 RNE1

Standard Levers


Armstrong


Citation


Dirke


Essex[1]


Lustra[1]


Newport[1]


Princeton[1]


Regis

Standard Roses


2-1/4" (57mm)
A Rose


2-1/4" (57mm)
B Rose


2-7/8" (73mm)
F Rose

Vineyard™ Levers


Frascati


Merlot


Zinfandel

Vineyard™ Rose


2-9/16" (65mm)
G Rose

1. Lever returns within 1/2" (13mm) of door face

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Available Trim Options

Access 600 RNE1

ML20600 RNE1 Mortise Locks

Muséo trim is available in a broad array of designs. It allows for uniformity throughout a facility using ML2000 Series Mortise Locks, Access Control Products, ED4000 and 5000 Series Exit Devices, and TL37000 Series Tubular Locks.

All levers meet ADA compliance for national codes. Visit the online decorative hardware product selector at selector.corbinrusswin.com to mix and match styles and finishes.

Muséo Collection Levers

Georgia


102


103


104[2,3]


124[1]


125[1]

Jackson
(Handed Levers)


105[3]


119[3]


121[2,3]


127[1,3]

Pablo
(Handed Levers)


117[3]


126[1,3]

Salvador


106


107


108


109[1]


110


123[1]


128[1]

1. Lever returns within 1/2" (13mm) of door face
2. Levers are not available with Inspire™ Roseless Trim
3. Not available in 32D or 32 finish

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Available Trim Options

ML20600 RNE1 Mortise Locks

Access 600 RNE1

Muséo Collection Levers

Marc
(Handed Levers)


111[2,5]


115[5]


112[5]


114[5]


130[1,5]


131[1,5]


132[1,5]

Piet[2/3]


23M


21L


25M


21M


21S


21G


27M

Josef[2/4]


133


134[1]


135


136


137[1]


138[1]

Georges[2]


139


140


141


142


143

1. Lever returns within 1/2" (13mm) of door face
2. Levers are not available with Inspire™ Roseless Trim
3. Piet levers are customized. See page 13 for ordering information
4. 135-138 – Contain white or black polycarbonate inserts. Not available with MicroShield® antimicrobial coating.
5. Not available in 32D or 32 finish

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Available Trim Options

Access 600 RNE1

ML20600 RNE1 Mortise Locks

Muséo Collection Roses[1]



V Rose Wrought



U Rose Wrought



T Rose Wrought



Y Rose Wrought



W Rose Wrought



X Rose Wrought



E2 Rose Wrought



E3 Rose Wrought



E4 Rose Wrought

1. Roses and Inspire trim are only available with Muséo levers.

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Available Trim Options

ML20600 RNE1 Mortise Locks

Access 600 RNE1

Inspire™ Roseless Trim



Inspire roseless trim blends the lever and the door creating an artful approach to every opening. Offered with most Muséo® decorative levers, this exquisite trim will inspire the creation of beautiful openings.

Features:

- Certified to and exceeds ANSI A156.13, Series 1000, Operational Grade 1 and Security Grade 1
- Attachment method similar to standard trim
- Available with most mortise lock functions
- Compatible with most Muséo Line levers (except 104, 111, 113, 121, Josef, Georges and Piet levers)
- Selected levers return within 1/2" of the door face
- All standard cylinder options are available
- Available for 1-3/8", 1-3/4", and 2-1/4" thick doors only (contact factory for other door thicknesses)

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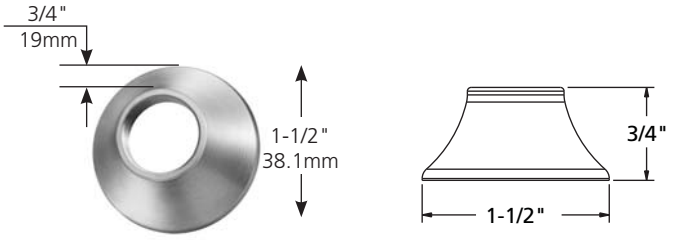
Ordering Example

Stock Order

Quantity	Series/ Function	Technology Code	Trim	Finish	Hand	Credential Quick Code	Fail-Safe/ Fail-Secure
2	ML20607	TCRNE1	114J	626	RHR	M802	SEC

› ML2000 Mortise Lock x Access 600 RNE1 x Fail Safe x No Cylinder x No Deadbolt x Fail-Secure
› *Muséo* lever 114 with *Inspire* roseless trim. Specify J for the rose when ordering *Inspire* roseless trim.
› Satin chrome finish
› Right hand reverse
› 125 kHz Proximity reader

Inspire Roseless Trim



Brass or Stainless Steel

*Roses and Inspire trim are only available with Muséo levers.

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Available Trim Options

Access 600 RNE1

ML20600 RNE1 Mortise Locksets



Grooved Insert 21G



Leather Insert 21L



Polished with Satin Insert 21M



Santoprene™ Insert 21S



With Raised Band 23M



Plain 25M



Plain with Two Grooves 27M

Piet Finish Codes

Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
613E	3E	Dark Oxidized Satin Bronze, Equivalent
BSP	BS	Black Suede Powder Coat
WSP	WS	White Suede Powder Coat
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	303030, 292929, 293029, 302930, 3E003E, BS00BS OR WS00WS
21L	Leather Insert	30BK30, 30BN30, 29BK29, 29BN29, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS OR WSBNWS
21M	Metallic Insert	293029** or 303030
21S	Santoprene Insert	30BK30, 29BK29, 3E003E, BS00BS or WS00WS
23M	Raised Band	290030, 290029, 300030, 300029, 3E003E, BS00BS OR WS00WS
25M	Plain	290029, 300030, 3E003E, BS00BS or WS00WS
27M	Two Grooves	290029, 300030, 3E003E, BS00BS or WS00WS

**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

Ordering Examples

Rose Options: E2, E3, E4, T, U, V, W, X, Y
Escutcheon Options: L, R

Quantity	Series/ Function	Trim	Lever Finish	Lock Finish	Hand	Thumbturn Options
2	ML2055	21LU	29BK29	629	RH	MT3
1	ML2051	23ML	290030	629	RH	MT3

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How To Order

ML20600 RNE1 Mortise Locks

Access 600 RNE1

Ordering Examples

Stock Order

Quantity	Series/Function	Technology Code	Trim	Finish	Hand	Credential Quick Code	Fail-Safe/ Fail-Secure
24	ML20607	TCRNE1	111X	626	RHR	M802	SEC

› ML2000 Mortise Lock x *Access 600* RNE1 Fail-Secure x No Cylinder x No Deadbolt x Fail-Secure
› Muséo lever 111 with X rose
› Satin chrome finish
› Right hand reverse
› 125 kHz Proximity reader

Split Trim/Finish Order

Quantity	Series/Function	Technology Code	Trim		Finish		Hand	Credential Quick Code	Fail-Safe/ Fail-Secure
			Outside	Inside	Outside	Inside			
24	ML20606	TCRNE1	CSA	CSA	626	606	RHR	M802	SEC

ML2000 Mortise Lock x *Access 600* NE1 x Key Override x No Deadbolt x Fail-Secure

Outside:
› Citation lever x wrought rose
› Satin chrome finish
› Right hand reverse
› 125 kHz Proximity reader
› Conventional 6-Pin cylinder

Inside:
› Citation lever x wrought rose
› Satin brass finish

Contract/Detailed Order

Quantity	Keyset	Series/ Function	Technology Code	Trim	Finish	Hand	Door Thickness	Optional Strike	Optional Cylinder	Keying	Credential Quick Code	Fail-Safe/ Fail-Secure
24	AA1	ML20609	TCRNE1	LWA	626	RHR	D214	SA138	C7	VKC3	M812	SAF

› ML2000 Mortise Lock x *Access 600* RNE1 x No Cylinder x Deadbolt x Fail-Safe
› Lustra lever x wrought A rose
› Satin chrome finish
› Right hand reverse
› 2-1/4" thick door
› 2" curved lip strike box
› 13.56 MHz iCLASS SE smart card reader
› Interchangeable core x 7 pin
› Cylinders Only Visual Key Control

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How To Order

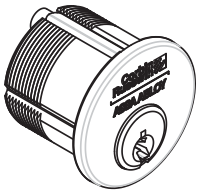
Access 600 RNE1

ML20600 RNE1 Mortise Locks

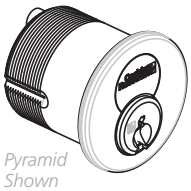
Cylinders

- Conventional (standard for ML2000)
- Security (standard for ML2000HS)
- Pyramid (optional)
- Interchangeable Core (IC)
- 2 nickel silver keys
- Finishes: See Key Systems and Pyramid

Conventional (Fixed Core)



Interchangeable Core (IC)



Pyramid Shown

Cylinder Quick Codes

Mortise Cylinder Type	Keyed Functions for 1-3/4" Door
Pyramid High Security (PHS)	1020-114-A01
Pyramid High Security Interchangeable Core (PCHS)	1030-138-A01
Pyramid Security (PS)	1027-114-A01
Pyramid Security IC (PCS)	1037-138-A01
Conventional 6-pin	1000-138-A01
7-pin (7P)	1000-138-A01-7
6-pin IC (C6)	1080-138-A01
7-pin IC (C7)	1080-112-A01-7
Security IC (CHS)	1090-138-A01
Security (HS)	1010-138-A01

For complete Pyramid information and options refer to Pyramid catalog.

To order optional cylinder with lockset, see Quick Codes, page 64.

To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 1000-138-A01 x L4 x 626).

Function

ML20607 x TCRNE1
ML20606 x TCRNE1
ML20609 x TCRNE1
ML20608 x TCRNE1

Fail-Safe/Fail-Secure Quick Code

Description	Specify
Fail-Safe	SAF
Fail-Secure	SEC

End-of-Line Resistors and Deadbolt Privacy Quick Code

Description	Specify
No End-of-Line Resistors	Blank
Mercury / Lenel 1KΩ/2KΩ	R01
Software House 1KΩ/2KΩ	R03
AMAG 4-State Supervision	R04
Deadbolt Privacy	PHR
Deadbolt Privacy and Mercury / Lenel 1KΩ/2KΩ	PHRR01
Deadbolt Privacy and Software House 1KΩ/2KΩ	PHRR03
Deadbolt Privacy and AMAG 4-State	PHRR04

Finish*

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613[1]
Dark Oxidized Satin Bronze - Equivalent	613E
Dark Oxidized Satin Bronze, Clear Coated	613L
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Bright Stainless Steel	629[3]
Satin Stainless Steel	630[3]
Satin Stainless Steel with MicroShield®	630C
Black Oxidized Bronze, Oil Rubbed	722[2]
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

[1] New, March 2007

[2] Formerly 613 prior to March 2007

[3] Escutcheon finished to match 629, 630 finish

*See page 13 for finish options available for the Muséo Piet Lever Collection.

Hand

RH
RHR
LH
LHR

Credential

Description	Specify
125 kHz reader	M802
13.56 MHz iCLASS SE reader	M812
PIV Credential, 200 bit binary output (PAM compliant)	IV*
PIV Credential, 64 bit BCD output (PAM compliant)	IV-0C*
PIV Credential, 128 bit BCD output (PAM compliant)	IV-0D*

*All IV configurations support CIV and PIV-I fallback (128 Bit GUID)

Door Thickness

Description	Specify
1-3/4" (44mm)	std
1-7/8" (48mm)	D178
2" (51mm)	D200
2-1/8" (54mm)	D218
2-1/4" (57mm)	D214

Consult factory for door thicknesses greater than 2-1/4

For all quick codes see pages 63-66

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Features

CL33600 RNE1 Cylindrical Locks

Access 600 RNE1

The Grade 1 *Access 600* RNE1 Cylindrical Locksets seamlessly integrate into an existing Wiegand-compatible access control system. Door monitoring capabilities include Request to Exit, which monitors movement of the inside lever, and external Door Position Switch.

The *Access 600* RNE1 Cylindrical Locksets offer a clean, crisp design and a choice of a wide range of hardware finishes. Using a family of lever designs across the three product offerings provides visual uniformity when used throughout a facility.

Features

- Solenoid operated 12VDC & 24VDC cylindrical lock, fail safe or fail secure

Monitoring Features

- Request to Exit monitoring standard (non-handed)
- External door position switch included to allow for full monitoring

Door Thickness

- 1-3/4" (44mm) to 2" (50mm) standard, 2" (50mm) to 2-1/4" (57mm) optional. Specify D214

Lock Chassis

- Steel, zinc dichromated for corrosion resistance

Backset

- 2-3/4" (70mm) standard, 3-3/4" (95mm) and 5" (127mm) Optional

Latchbolt

- Stainless steel, 1/2" (13mm) throw
  Optional: 3/4" (19mm) throw
  deadlocking fire latch for pair of doors

Auxiliary Latchbolt

- Deadlocking latchbolt prevents manipulation when door is closed

Front

- Wrought brass or stainless steel, 2-1/4" (57mm) x 1-1/8" (29mm). Accommodates non-beveled and beveled doors
  Optional: rounded corners

Strike

- Wrought brass or stainless steel ANSI curved lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center
  Optional strikes, lip lengths and ANSI wrought strike box available

Cylinder

- Brass, 6-pin, L4 keyway, 0-bitted standard

Keying Features Available

- Master Keying
- Construction master keying
- Visual key control
- Concealed key control
- Interchangeable core (IC)
- Security
- Security IC
- Pyramid
- Pyramid IC
- Pyramid Security
- Pyramid Security IC

Keys

- Two nickel silver standard

Warranty

- 7-year limited mechanical, 2-year limited electrical

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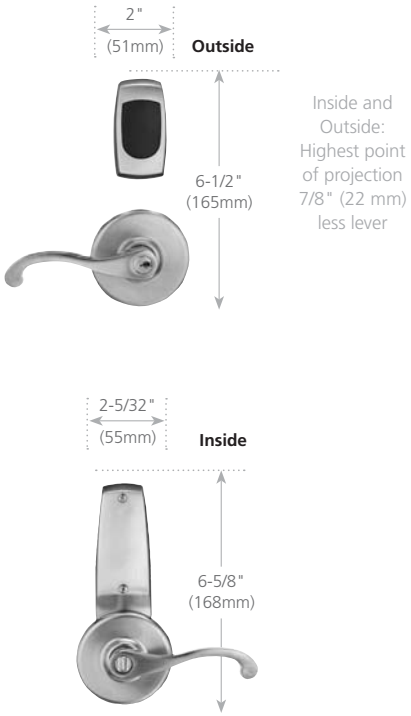
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Corbin Russwin ASSA ABLOY

Features

Access 600 RNE1

CL33600 RNE1 Cylindrical Locks



*** U.S. Patent D601,001S; D601,002S; D601,003S; D602,762S**

Escutcheons*

· Solid casting
· Operating temperature -40°F (-40°C) to 151°F (66°C)
· Highest point of projection 7/8" (22 mm) less lever
· LEDs indicate valid/invalid credential
· Freewheeling outside lever when locked

Reader - M802 (125 kHz proximity credentials)

· Reader requires 12VDC

CL33600 x M802 Electrical Specifications:

12VDC System with 12VDC Solenoid

- Reader Draw = 150mA (maximum)
- 12VDC Solenoid Draw = 250mA

Total System Draw = 400mA

12VDC System with 24VDC Solenoid

- Reader Draw = 150mA (maximum)
- 24VDC Solenoid Draw = 150mA

Total System Draw = 300mA

Reader - M812 or IV- (13.56 MHz iCLASS SE or PIV) credentials

- Reader requires 12 to 24VDC

CL33600 x M812 or IV- Electrical Specifications:

12VDC System

- Reader Draw = 150mA (maximum)
- 12VDC Solenoid Draw = 250mA

Total System Draw = 400mA

24VDC System

- Reader Draw = 125mA (maximum)
- 24VDC Solenoid Draw = 150mA

Total System Draw = 150mA

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Functions

CL33600 RNE1 Cylindrical Locks

Access 600 RNE1

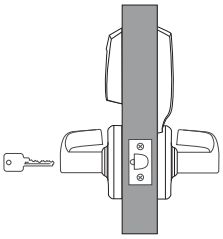
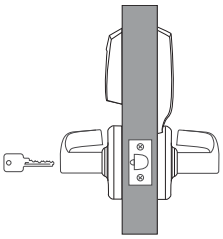
Certification/Compliance

ANSI/BHMA
Meets A156.2 Grade 1 requirements.
*EAC Regulatory Compliance**
UL294 6th Edition
CAN/ULC S319
BHMA A156.25
*All product lines except Latch Retraction Variants: ELR MP9800, ELR 7000

Federal
Meets FF-H-106C.

California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face.

C-UL US
All locks with 1/2" (13mm) throw latchbolt listed for A label and lesser class 4' x 10' single doors. All locks with 3/4" (19mm) throw latchbolt listed for A label and lesser class 8' x 10' pairs of doors. Letter F and UL symbol on latch front indicate listing.

Outside / Inside	Series/Function	Type	Function Description
	CL33603 Fail Safe With Key Override	Entry	• Latch retracted by inside lever at all times • Key outside retracts latch • Outside lever locked (freewheeling) except when valid user credential presented
	CL33605 Fail Secure With Key Override	Entry	• Latch retracted by inside lever at all times • Key outside retracts latch • Outside lever locked (freewheeling) except when valid user credential presented

ASSA ABLOY, the global leader in door opening solutions

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Ordering Examples

Stock Order

Quantity	Series/Function	Technology Code	Trim	Finish	Hand	Credential Quick Code	Lock Solenoid Voltage
24	CL33603	TCRNE1	NZD	626	RHR	M802	12AD

› CL3300 Cylindrical Lock x *Access 600* RNE1 x Fail Safe x Key Override x 12 volts
› Newport Lever x D rose
› Satin chrome finish
› Right hand reverse
› 125 kHz Proximity reader
› Conventional 6-Pin cylinder

Split Trim/Finish Order

Quantity	Series/Function	Technology Code	Trim		Finish		Hand	Credential Quick Code	Lock Solenoid Voltage
			Outside	Inside	Outside	Inside			
24	CL33605	TCRNE1	NZD	AZD	626	625	LH	M812	12AD

CL3300 Cylindrical Lock x *Access 600* RNE1 x Fail Secure x Key Override x 12 volts

Outside:
› Newport lever x D rose
› Satin chrome finish
› Left hand
› 13.56 MHz iClass SE smart card reader
› Conventional 6-Pin cylinder

Inside:
› Armstrong lever x D rose
› Bright chrome finish

Contract/Detailed Order

Quantity	Keyset	Series/ Function	Technology Code	Trim	Finish	Hand	Door Thickness	Optional Strike	Optional Cylinder	Keying	Credential Quick Code	Lock Solenoid Voltage
24	AA1	CL33605	TCRNE1	FZD	626	RHR	D214	SA138	C7	VKC3	M812	12AD

› CL33600 Cylindrical Lock Series x *Access 600* RNE1 x Fail Secure x Key Override x 12 volts
› Frascati lever x D rose
› Satin chrome finish
› Right hand reverse
› 2-1/4" thick door
› 13.56 MHz iCLASS SE smart card reader
› Interchangeable core x 7 pin
› Cylinders Only Visual Key Control

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How to Order

CL33600 RNE1 Cylindrical Locks

Access 600 RNE1

Function

CL33603 x TCRNE1
CL33605 x TCRNE1

Trim

AZD Armstrong
NZD Newport
PZD Princeton
FZD Frascati

Hand

RH
RHR
LH
LHR

Backset

(std)	2-3/4"
B334	3-3/4"
B500	5"

Door Thickness

(std)	1-3/4" - 2"
D214	2 - 2-1/4"

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613[1]
Dark Oxidized Satin Bronze - Equivalent	613E
Dark Oxidized Satin Bronze, Clear Coated	613L
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Black Oxidized Bronze, Oil Rubbed	722[2]
Satin Chrome with MicroShield®	626C
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

[1] New, March 2007
[2] Formerly 613 prior to March 2007

Credential Quick Codes

Description	Specify
125 kHz reader	M802
13.56 MHz iCLASS SE reader	M812
PIV Credential, 200 bit binary output (PAM compliant)	IV*
PIV Credential, 64 bit BCD output (PAM compliant)	IV-0C*
PIV Credential, 128 bit BCD output (PAM compliant)	IV-0D*

*All IV configurations support CIV and PIV-I fallback (128 Bit GUID)

Lock Solenoid Voltage Quick Code

Description	Specify
12 Volts DC	12AD
24 Volts DC	24AD

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Features

Access 600 RNE1

ED5000N x 9600 RNE1 Series Exit Device

The Grade 1 Corbin Russwin ED5000N Series exit devices seamlessly integrate into an existing Wiegand compatible access control system. A wide range of monitoring capabilities, which include Request to Exit (rail monitoring) as standard, achieve a high level of security. An external door position switch further augments door monitoring.

The *Access 600* RNE1 Series exit device product selection is Corbin Russwin's most extensive exit device access control offering. Rim devices, mortise lock exits, concealed vertical rod devices, as well as surface mounted vertical rods exit devices, are all available. The Motorised Electric Latch Retraction (MELR) variant provides remote-controlled latch retraction that delivers quiet, smooth operation for convenient, hassle-free egress.

Featuring clean, crisp design, the *Access 600* RNE1 exit devices are available with a variety of lever designs, and hardware finishes.



	Inside Push Pad	Outside Reader Trim
R/S	ED5200(S)(A)N	9600
Mortise	ED5600(A)N	9M600
CVR	ED5800(A)N	9600
SVR	ED5400(A)N	9S600

Note: N suffix denotes exit device equipped with external door position switch and internal request to exit monitoring for use with Access 600 RNE1 *exit trim.*



ED5000 Mechanical or MELR Exit Device Retrofit Kit
For use with *Access 600* RNE1 Exit Trim

Kit allows you to retrofit an existing ED5000 Series mechanical exit device with M92 (Touch Bar Monitor/REX) that will integrate with *Access 600* RNE1 trim

Kit Includes:
- Touch Bar Monitor/ REX assembly
- Harness from REX switch to *Access 600* RNE1 Controller
- Trim Slide Retainer/ Screw
- Trim Slide Wire Bracket
- Wire Grommet
- Installation Instructions

To order, specify 743F939

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Features

ED5000N x 9600 RNE1 Series Exit Device

Access 600 RNE1

Featuring EcoFlex® Technology*

- Reduces energy consumption up to 95%, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

Monitoring Features

- Request to exit
- Door position monitoring

Handing

- Rim Device is non-handed.
- Mortise, surface vertical rod and concealed vertical rod devices are handed.
- Lever trim is handed.

Bar Length

- Easily field cut to size
- Standard: 36" (914mm) bar fits 30" (762mm) to 36" (914mm) door
- Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024
- Optional: 48" (1219mm) bar fits 36" (914mm) to 48" (1219mm) door; specify W048

Door Thickness

- 1-3/4" (44mm) standard
- Optional: 2" (51mm); specify D200
- Optional: 2-1/4" (57mm); specify D214

Stile

- Minimum width 4-1/2" (114mm)

Lever Trim

- Free floating, to fit doors 1-3/4" (44mm) to 2-1/4"(7mm)

Projection

- 3-1/4" (83mm) active, 2-3/4" (70mm) depressed

Fasteners

- Standard on panic devices: machine screws and wood door fasteners
- Standard on fire-rated devices: sex nuts and bolts
- Optional on panic devices: sex nuts and bolts for use on wood, composite or unreinforced metal doors; specify M54
- Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64

Strike

Mortise Device

- Wrought brass, bronze or stainless steel ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center
- Optional strikes, lip lengths and ANSI wrought strike box available

Rim and Surface Vertical Rod Devices

- Surface-mounted 3/8" (10mm) diameter roller strike, complete with positive locking plate and shims, assuring low friction relocking for a long, trouble-free life

Functions and Trims

- Through-bolted lever trim available with wide range of functions; see Trim, page 25

Key Override

- Outside cylinder override allows lever to retract latch

Warranty

- 5-year limited mechanical
- 2-year limited electrical

Certification/Compliance

ANSI/BHMA

Meets A156.3, Type 1, Grade 1.
Meets A117.1 Accessibility Code.

EAC Regulatory Compliance*

- UL294 6th Edition
- CAN/ULC S319
- BHMA A156.25

*All product lines except Latch Retraction Variants: ELR MP9800, ELR 7000

C-UL US

All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 4' x 8' single or 8' x 8' double doors; UL symbol on active case cover indicates listing.

California State Reference Code

This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA

All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows.*

ADA

Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

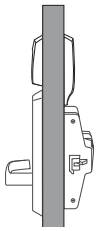
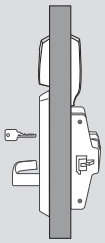
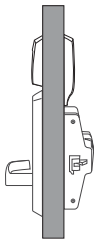
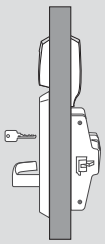
*Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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45023-12/18

Access 600 | RNE1

ED5000N x 9600 RNE1 Series Exit Device

Outside	Inside	Series/Function	Type	Function Description
		ED5200(A)N x 9610 x TCRNE1 ED5200S(A)N x 9610 x TCRNE1 Fail Safe No Key Override	Rim SecureBolt® Entry	• Fail Safe - Power off, unlocks outside trim • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented
		ED5200(A)N x 9603 x TCRNE1 ED5200S(A)N x 9603 x TCRNE1 Fail Safe With Key Override	Rim *SecureBolt* Entry	• Fail Safe - Power off, unlocks outside trim • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented • Outside cylinder override allows lever to retract latch
		ED5200(A)N x 9630 x TCRNE1 ED5200S(A)N x 9630 x TCRNE1 Fail Secure No Key Override	Rim *SecureBolt* Entry	• Fail Secure - Power off, trim outside is locked • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented
		ED5200(A)N x 9605 x TCRNE1 ED5200S(A)N x 9605 x TCRNE1 Fail Secure With Key Override	Rim *SecureBolt* Entry	• Fail Secure - Power off, trim outside is locked • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented • Outside cylinder override allows lever to retract latch

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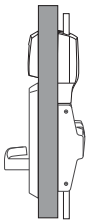
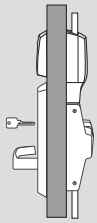
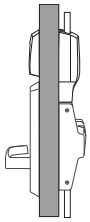
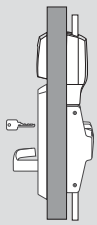
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Functions

ED5000N x 9600 RNE1 Series Exit Device

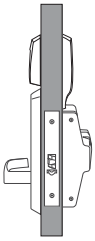
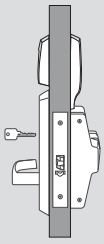
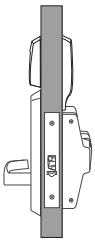
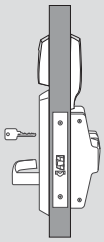
Access 600 RNE1

Outside	Inside	Series/Function	Type	Function Description
		ED5400N x 9S610 x TCRNE1 ED5470N x 9S610 x TCRNE1 Fail Safe No Key Override	SVR Entry	• Fail Safe - Power off, unlocks outside trim • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented
		ED5400N x 9S603 x TCRNE1 ED5470N x 9S603 x TCRNE1 Fail Safe With Key Override	SVR Entry	• Fail Safe - Power off, unlocks outside trim • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented • Outside cylinder override allows lever to retract latch
		ED5400N x 9S630 x TCRNE1 ED5470N x 9S630 x TCRNE1 Fail Secure No Key Override	SVR Entry	• Fail Secure - Power off, trim outside is locked • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented
		ED5400N x 9S605 x TCRNE1 ED5470N x 9S605 x TCRNE1 Fail Secure With Key Override	SVR Entry	• Fail Secure - Power off, trim outside is locked • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented • Outside cylinder override allows lever to retract latch

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Access 600 | RNE1

ED5000N x 9600 RNE1 Series Exit Device

Outside	Inside	Series/Function	Type	Function Description
		ED5600(A)LN x 9M610 x TCRNE1 Fail Safe No Key Override	Mortise Exit Entry	• Fail Safe - Power off, unlocks outside trim • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (rigid) except when valid user credential presented
		ED5600(A)LN x 9M603 x TCRNE1 Fail Safe With Key Override	Mortise Exit Entry	• Fail Safe - Power off, unlocks outside trim • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (rigid) except when valid user credential presented • Outside cylinder override retracts latch
		ED5600(A)LN x 9M630 x TCRNE1 Fail Secure No Key Override	Mortise Exit Entry	• Fail Secure - Power off, trim outside is locked • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (rigid) except when valid user credential presented
		ED5600(A)LN x 9M605 x TCRNE1 Fail Secure With Key Override	Mortise Exit Entry	• Fail Secure - Power off, trim outside is locked • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (rigid) except when valid user credential presented • Outside cylinder override retracts latch

L = Outside trim x Lever

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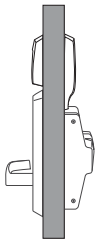
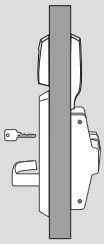
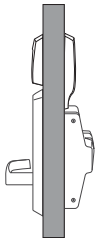
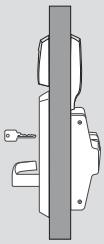
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Functions

ED5000N x 9600 RNE1 Series Exit Device

Access 600 RNE1

Outside	Inside	Series/Function	Type	Function Description
		ED5800(A)N x 9610 x TCRNE1 ED5860(B)N x 9610 x TCRNE1 Fail Safe No Key Override	CVR Entry	• Fail Safe - Power off, unlocks outside trim • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented
		ED5800(A)N x 9603 x TCRNE1 ED5860(B)N x 9603 x TCRNE1 Fail Safe With Key Override	CVR Entry	• Fail Safe - Power off, unlocks outside trim • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented • Outside cylinder override allows lever to retract latch
		ED5800(A)N x 9630 x TCRNE1 ED5860(B)N x 9630 x TCRNE1 Fail Secure No Key Override	CVR Entry	• Fail Secure - Power off, trim outside is locked • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented
		ED5800(A)N x 9605 x TCRNE1 ED5860(B)N x 9605 x TCRNE1 Fail Secure With Key Override	CVR Entry	• Fail Secure - Power off, trim outside is locked • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented • Outside cylinder override allows lever to retract latch

L = Outside trim x Lever

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Features

Access 600 RNE1

ED5000N x Trim x MELR RNE1 Series Exit Device

Electric Latch Retraction - MELR

The Motorized Electric Latch Retraction (MELR) exit device provides remote-controlled latch retraction that delivers quiet, smooth operation for convenient, hassle-free egress. Easily installed in new applications and available as retrofit rail kit assemblies for field updates, the MELR features maintenance-free design with few moving parts using 86% less power consumption during retraction than solenoid devices. Plus, MELR is powered by a standard power supply, simplifying installation and increasing system design flexibility.

Application

- SecureBolt® Exit Devices
- Rim Exit Devices
- Surface Vertical Rod Exit Devices
- Concealed Vertical Rod Exit Devices
- Mortise Exit Devices

Listings

UL listed for both Panic and Fire Exit Hardware. Windstorm rated with M107 option.

Bar Length/Door Width

- Easily field cut to size.
- Standard: 36" (914mm) bar fits 34"- 36" (762mm-914mm) door.
- Optional: 48" (1219mm) bar fits 36"-48" (914mm-1219mm) door; specify W048.

Electrical Specifications

24VDC (BPS-24-1) regulated/filtered power supply. Requires 1A per device

Motor Driven Latch Retraction

- .65A amp max during retraction .2 amp holding-continuous duty
- Device bolts remain retracted for as long as the device is energized. Removal of power returns the device to the life safety, self-latching mechanical mode.
- Interface with central or local fire alarm system, automatic door operators, access control systems, security alarm systems, and blow open door systems.
- Amount of rail retraction is automatically controlled by controller PC board; system actively monitors position and speed and adjusts itself.

Timer

Digital retraction timer (0-20 seconds) or set to power mode for access control systems.

Hinges

Standard electric hinge. No special power transfer required.
Note: This feature is not available with Electric Dogging (M97) or delayed egress (D) on the same device

Warranty

5 years

How to Order

Specify Quick Code MELR.



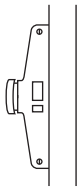
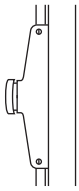
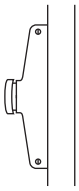
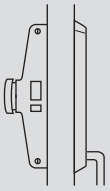
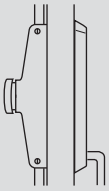
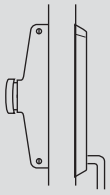
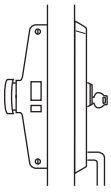
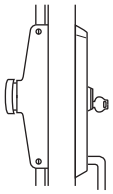
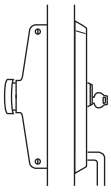
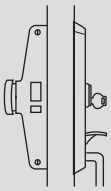
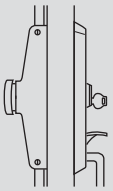
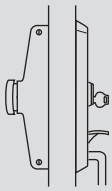
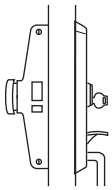
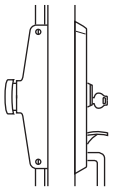
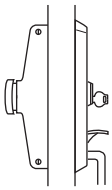
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Functions

ED5000N x Trim x MELR RNE1 Series Exit Device

Access 600 RNE1

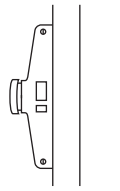
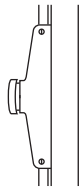
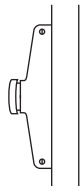
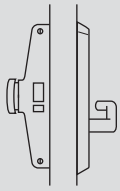
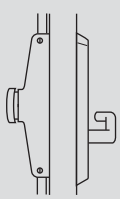
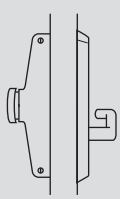
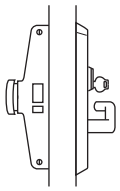
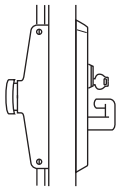
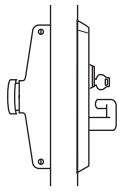
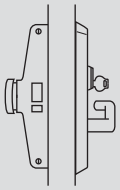
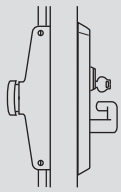
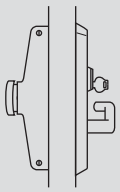
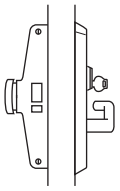
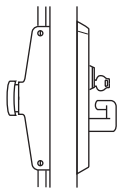
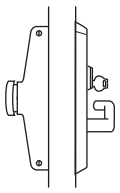
Pull and Thumbpiece Trim

Rim/ SecureBolt® ED5200(A)N ED5200S(A)N		Surface Vertical Rod ED5400(A)N ED5470(B)N		Concealed Vertical Rod ED5800(A)N ED5860(B)N		Type	ANSI No.	Function Description
Inside	Outside	Inside	Outside	Inside	Outside			
						**Exit Only**	01	Exit only; no trim.
						**Dummy**	02	Entrance by trim when actuating bar is dogged down.
						**Nightlatch**	03	Entrance by trim when latchbolt is retracted by key.
						**Classroom***	08	Entrance by thumbpiece. Key locks or unlocks thumbpiece.
						**Storeroom (Thumbpiece Active)**	06	Entrance by thumbpiece only when released by key. Key removable only when locked.

**Classroom function trims can be converted to Storeroom function by a simple field adjustment.*

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Lever and Knob Trim

Rim/ SecureBolt® ED5200(A)N ED5200S(A)N		Surface Vertical Rod ED5400(A)N ED5470(B)N		Concealed Vertical Rod ED5800(A)N ED5860(B)N		Type	ANSI No.	Function Description
Inside	Outside	Inside	Outside	Inside	Outside			
						**Exit Only**	01	Exit only; no trim.
						**Dummy**	02	Entrance by trim when actuating bar is dogged down.
						**Nightlatch**	03	Entrance by trim when latchbolt is retracted by key.
						**Classroom***	08	Entrance by knob or lever. Key locks or unlocks knob or lever.
						**Storeroom (Grip Active)**	09	Entrance by knob or lever only when released by key. Key removable only when locked.

**Classroom function trims can be converted to Storeroom function by a simple field adjustment.*

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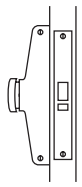
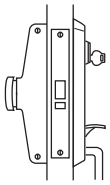
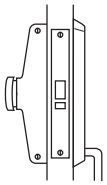
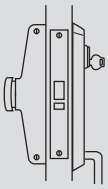
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Mortise Functions

ED5000N x Trim x MELR RNE1 Series Exit Device

Access 600 RNE1

Exit Only, Pull and Thumbpiece Trim

Mortise ED5600L ED5600AL Inside Outside	Type	ANSI No.	Function Description
	**Exit Only**	01	Exit only; no trim.
Mortise ED5600T ED5600AT Inside Outside	**Type**	**ANSI No.**	**Function Description**
	**Classroom**	05	Entrance by thumbpiece. Key locks or unlocks thumbpiece. Specify Thumbpiece - ED5600T or ED5600AT.
Mortise ED5657T ED5657AT Inside Outside	**Type**	**ANSI No.**	**Function Description**
	**Dummy**	02	Entrance by trim when actuating bar is dogged down. Specify ED5657T or ED5657AT.
	**Nightlatch**	03	Entrance by trim when latchbolt is retracted by key. Key removable only when locked. Specify ED5657T or ED5657AT.

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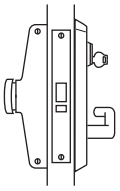
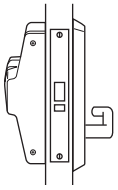
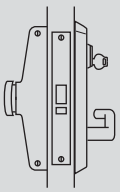
45023-2/19

Mortise Functions

Access 600 RNE1

ED5000N x Trim x MELR RNE1 Series Exit Device

Lever and Knob Trim

Mortise ED5600L ED5600AL ED5600K ED5600AK Inside Outside	Type	ANSI No.	Function Description
	**Classroom****	08	Entrance by knob or lever. Key locks or unlocks knob or lever.
Mortise ED5657L ED5657AL ED5657K ED5657AK Inside Outside	**Type**	**ANSI No.**	**Function Description**
	**Dummy***	02	Entrance by trim when actuating bar is dogged down.
	**Nightlatch****	03	Entrance by trim when latchbolt is retracted by key. Key removable only when locked. Specify ED5657L, ED5657AL, ED5657K, ED5657AK.

**Dummy and passage function trims are the same.*
***Classroom and Nightlatch function trims are the same. Trim function must be specified when ordered with an exit to ensure that the correct lock body is supplied with the device.*

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Electrified Exit Devices

ED5000N x Trim x MELR RNE1 Series Exit Device

Access 600 RNE1

Electrically Controlled Heavy-Duty Trim

Electrically controlled trim provides electric locking and unlocking of the 900 Series heavy-duty lever trim. It easily retrofits into existing applications and is ideal for door control.

Advantages

- Available in Fail Safe or Fail Secure operation
- 24VAC/VDC
- Internal rectifier accepts AC or DC voltage
- Free Wheeling lever when locked
- Key override (specify cylinder)
- Plug connector with 4' wire lead (Exit device can be used as the wire raceway)

Applications

- ED5200(A)N Rim
- ED5200S(A)N SecureBolt®
- ED5400(A)N Surface Vertical Rod
- ED5470(B)N Surface Vertical Rod
- ED5800(A)N CVR
- ED5860(B)N CVR

Trim

Utilizes all 900 series trim lever designs including the Muséo® and Vineyard™ Collections

Electrical Specifications

- Solenoid: 330 mA @ 24 volts continuous duty
- Security Monitor Switch (M98): 4 AMP @ 250VAC

Door Thickness

1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Options

- M98 – Security Monitor. A SPDT switch that monitors the position of the solenoid (lock and unlock status).
- M99 – Trim gasket for exterior applications.

Cylinder

Cylinder not included unless specified. See Quick Codes, page 64.



Electrically Controlled Heavy-Duty Trim

Functions

Fail Safe

The x9903 trim is locked when power is on and unlocked when power is off.

	Function Description
x9903 (Fail Safe)	• Lever is locked when power is on (Free Wheeling)
	• Power off allows entry from trim
	• Inside device is always active for egress
	• Mechanical key override (09 Function – Key allows lever to retract latch bolt. Key can only be removed in locked position.)

Fail Secure

The x9905 trim is locked when power is off and unlocked when power is on.

	Function Description
x9905 (Fail Secure)	• Lever is locked when power is off (Free Wheeling)
	• Power on allows lever activation for entry
	• Inside device is always active for egress
	• Mechanical key override (09 Function – Key allows lever to retract latch bolt. Key can only be removed in locked position.)

x = Lever trim design - Standard, Vineyard™ and Muséo®

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Escutcheons & Electrical Specifications

ED5000N x 9600 RNE1 Series Exit Device

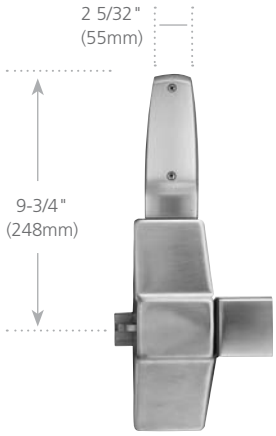
Access 600 | RNE1



Escutcheons*

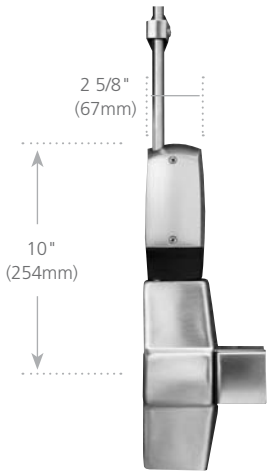
Outside trim for all exit functions

- Solid casting
- Operating temperature -40°F (-40°C) to 151°F (66°C)
- LEDs indicate valid/ invalid credential



Inside of Door

Rim/SecureBolt®, mortise and concealed vertical rod



Inside of Door

Surface vertical rod

*** U.S. Patent D601,001S; D601,002S; D601,003S; D602,762S**

Reader - M802 (125 kHz proximity credentials)

- Reader requires 12VDC

ED5000N x 9600 x M802 Electrical Specifications:

- Reader Draw = 150mA @12VDC / 24VDC
- Actuator Draw = 400mA inrush / 15mA continuous @12VDC / 24VDC

Total System Draw = 550mA @12VDC / 24VDC

Reader - M812 or IV- (13.56 MHz iCLASS SE or PIV) credentials

- Reader requires 12 or 24VDC

ED5000N x 9600 x M812 or IV- Electrical Specifications:

- Reader Draw = 150mA @12VDC / 24VDC
- Actuator Draw = 400mA inrush / 15mA continuous @12VDC / 24VDC

Total System Draw = 550mA @12VDC / 24VDC

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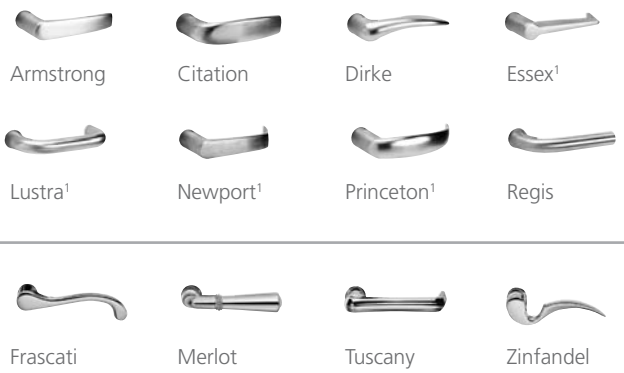
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Lever Trim Design

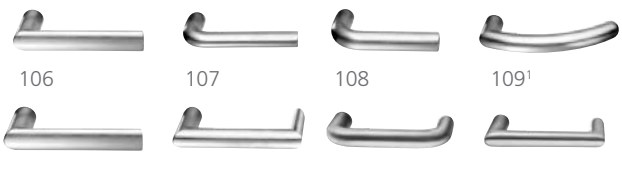
ED5000N x 9600 RNE1 Series Exit Device

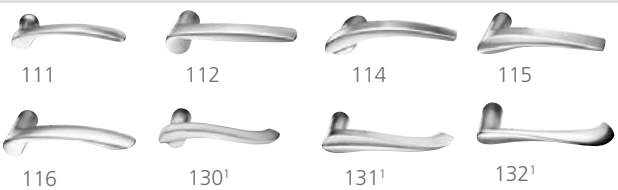
Access 600 RNE1

		ED5400 x 9S600	ED5800 x 9600	ED5200 x 9600	ED5600 x 9M600
Standard					
	Armstrong	A9S600	A9600	A9600	A9M600
	Newport	N9S600	N9600	N9600	N9M600
	Princeton	PR9S600	PR9600	PR9600	PR9M600
	Citation	C9S600	C9600	C9600	C9M600
	Dirke	D9S600	D9600	D9600	D9M600
	Essex	E9S600	E9600	E9600	E9M600
	Lustra	L9S600	L9600	L9600	L9M600
	Regis	R9S600	R9600	R9600	R9M600
Vineyard™	Frascati	FR9S600	FR9600	FR9600	FR9M600
	Merlot	M9S600	M9600	M9600	M9M600
	Tuscany	TS9S600	TS9600	TS9600	TS9M600
	Zinfandel	Z9S600	Z9600	Z9600	Z9M600
Muséo®					
Georgia	102	1029S600	1029600	1029600	1029M600
	103	1039S600	1039600	1039600	1039M600
	104	1049S600	1049600	1049600	1049M600
	124	1249S600	1249600	1249600	1249M600
	125	1259S600	1259600	1259600	1259M600
Salvador	106	1069S600	1069600	1069600	1069M600
	107	1079S600	1079600	1079600	1079M600
	108	1089S600	1089600	1089600	1089M600
	109	1099S600	1099600	1099600	1099M600
	110	1109S600	1109600	1109600	1109M600
	123	1239S600	1239600	1239600	1239M600
	128	1289S600	1289600	1289600	1289M600
	129	1299S600	1299600	1299600	1299M600
Marc	111	1119S600	1119600	1119600	1119M600
	112	1129S600	1129600	1129600	1129M600
	114	1149S600	1149600	1149600	1149M600
	115	1159S600	1159600	1159600	1159M600
	116	1169S600	1169600	1169600	1169M600
	130	1309S600	1309600	1309600	1309M600
	131	1319S600	1319600	1319600	1319M600
	132	1329S600	1329600	1329600	1329M600
Pablo	117	1179S600	1179600	1179600	1179M600
	126	1269S600	1269600	1269600	1269M600
Jackson	119	1199S600	1199600	1199600	1199M600
	121	1219S600	1219600	1219600	1219M600
	127	1279S600	1279600	1279600	1279M600
Piet	21G	21G9S600	21G9600	21G9600	21G9M600
	21L	21L9S600	21L9600	21L9600	21L9M600
	21M	21M9S600	21M9600	21M9600	21M9M600
	21S	21S9S600	21S9600	21S9600	21S9M600
	23M	23M9S600	23M9600	23M9600	23M9M600
	25M	25M9S600	25M9600	25M9600	25M9M600
	27M	27M9S600	27M9600	27M9600	27M9M600



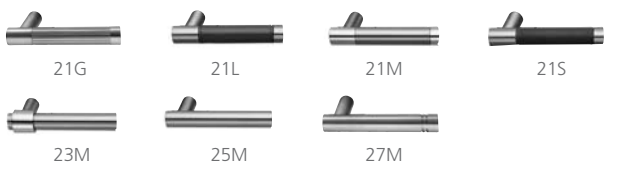












1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

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Available Trim Options

Access 600 RNE1

ED5000N x 9600 RNE1 Series Exit Device



Grooved Insert 21G



Leather Insert 21L



Polished with Satin Insert 21M



Santoprene™ Insert 21S



With Raised Band 23M



Plain 25M



Plain with Two Grooves 27M

Piet Finish Codes

Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
613E	3E	Dark Oxidized Satin Bronze, Equivalent
BSP	BS	Black Suede Powder Coat
WSP	WS	White Suede Powder Coat
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	303030, 292929, 293029, 302930, 3E003E, BS00BS OR WS00WS
21L	Leather Insert	30BK30, 30BN30, 29BK29, 29BN29, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS OR WSBNWS
21M	Metallic Insert	293029** or 303030
21S	Santoprene Insert	30BK30, 29BK29, 3E003E, BS00BS or WS00WS
23M	Raised Band	290030, 290029, 300030, 300029, 3E003E, BS00BS OR WS00WS
25M	Plain	290029, 300030, 3E003E, BS00BS or WS00WS
27M	Two Grooves	290029, 300030, 3E003E, BS00BS or WS00WS

**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

Ordering Examples

Rose Options: E2, E3, E4, T, U, V, W, X, Y

Quantity	Series/ Function	Trim	Lever Finish	Lock Finish	Hand	Thumbturn Options
2	ML20134	21LU	29BK29	629	RH	MT3
1	ML20136	23ME3	290030	629	RH	MT3

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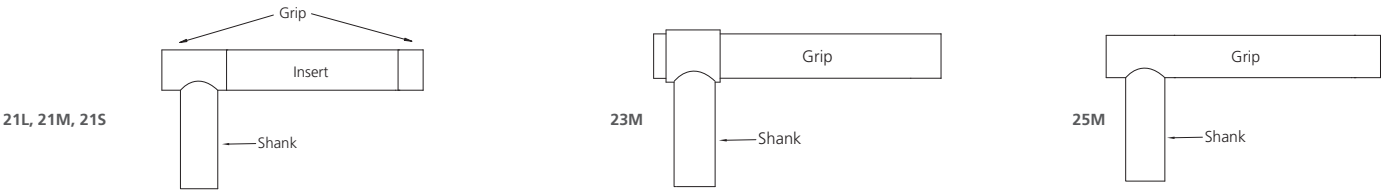
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How to Order

ED5000N x 9600 RNE1 Series Exit Device

Access 600 | RNE1

How to Order the Muséo Piet Lever Collection



Trim Only

Quantity	Trim/ Function	Technology Code	Lever Finish	Lock Finish*	Hand	Credential Quick Code	Lock Solenoid Voltage
2	21M9610	TCRNE1	293029	629	RHR	M802	24AD

› Muséo Piet Lever 21M - Polished with Satin Insert x Fail Safe x No Cylinder x 24 volts
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 629 Lock Finish
› Right hand reverse
› 125 kHz Proximity reader

Exit Device with Trim

Quantity	Exit Device	Trim/ Function	Technology Code	Lever Finish	Lock Finish*	Hand	Credential Quick Code	Cylinder Option	Door Thickness	Optional Strike	Door Width	Lock Solenoid Voltage
2	ED5600LN	21G9M603	TCRNE1	292929	629	LHR	M812	6P	D200	SB214	W048	24AD

Inside:
› Polished stainless steel finish
› 48" wide door

Outside:
› Key Override
› 629 Lock Finish
› Left hand reverse
› 13.56 MHz iCLASS SE smart card reader
› 6 pin cylinder
› 2-1/4" thick door

** Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.*

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How to Order

Access 600 RNE1

ED5000N x 9600 RNE1 Series Exit Device

Ordering Examples

Exit Device Only

Quantity	Trim/Function	Technology Code	Finish	Hand
12	ED5200N	TCRNE1	626	RHR

› Rim exit device for use with *Access 600* RNE1 trim
› Satin chrome finish
› Right hand reverse
› Standard length: 36"

Trim Only

Quantity	Trim/Function	Technology Code	Finish	Hand	Credential Quick Code	Voltage
24	N9610	TCRNE1	625	RHR	M802	24AD

› Newport Lever x Fail Safe x No Cylinder x 24 volts
› Bright chrome finish
› Right hand reverse
› 125 kHz Proximity reader

Exit Device with Trim

Quantity	Exit Device	Trim/Function	Technology Code	Finish	Hand	Credential Quick Code	Cylinder Option	Door Thickness	Optional Strike	Door Width	Voltage
65	ED5600ALN	FR9M603	TCRNE1	605	LHR	M812	6P	D214	SB214	W048	24AD

MELR Exit Device

Quantity	Exit Device	Trim/Function	Technology Code	Finish	Hand	Credential Quick Code	Cylinder Option	Door Thickness	Optional Strike	Door Width	Voltage	Function
65	ED5600ALN	FR9M603	TCRNE1	605	LHR	M812	6P	D214	SB214	W048	24AD	MELR

Inside:
› Exit Device for use with Mortise x Lever
› 3-Hr Fire
› Polished brass finish
› 48" wide door

Outside:
› Vineyard™ (Frascati) Lever x Fail Safe x 24 volt trim
› Key Override
› Polished brass hardware finish
› Left hand reverse
› 13.56 MHz iCLASS SE smart card reader
› 6 pin cylinder
› 2-1/4" thick door

Contract/Detailed Order - Rim Exit Device with Trim

Quantity	Keyset	Exit Device	Trim/Function	Technology Code	Finish	Hand	Credential Quick Code	Door Width	Cylinder Option	Voltage
36	AA1	ED5200N	1149605	TCRNE1	626	LHR	M802	W048	7P	24AD

Inside:
› Rim Exit Device
› Satin chrome
› 48" wide door

Outside:
› Muséo - 114 Lever x Fail Secure x 24 VDC trim
› Key Override
› Satin chrome hardware finish
› Left hand reverse
› 125 kHz Proximity reader
› 7 pin cylinder

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Quick Codes & How To Order

ED5000N x 9600 RNE1 Series Exit Device

Access 600 RNE1

Exit Devices

Exit Device	Function	Trim				Finish	Hand
		Standard	Muséo®:		Vineyard™		
ED5200(A)N	9610 x TCRNE1					605	RHR
ED5200S(A)N	9603 x TCRNE1	A	102	123	FR	606	LHR
	9630 xTCRNE1	N	103	124	M	611	
	6905 x TCRNE1	PR	104	125	TS	612	
		C	106	126	Z	613	
ED5400(A)N	9S610 x TCRNE1	D	107	127		618	
ED5470N	9S603 x TCRNE1	E	108	128		619	
	9S630 x TCRNE1	L	109	129		625	
	9S605 x TCRNE1	R	110	130		626	
			111	131		626C	
ED5600(A)LN	9M610 x TCRNE1		112	132		629	
	9M603 x TCRNE1		114	21L*		630	
	9M630 x TCRNE1		115	21M*		630C	
	9M605 x TCRNE1		116	21S*		722	
			117	23M*		BSP	
ED5800N	9610 x TCRNE1		119	25M*		WSP	
ED5860N	9603 x TCRNE1		121				
	9630 x TCRNE1						
	9605 x TCRNE1						

*See page 34 for trim and finish options for the Muséo Piet Lever Collection.

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613[1]
Dark Oxidized Satin Bronze - Equivalent	613E
Dark Oxidized Satin Bronze, Clear Coated	613L
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Bright Stainless Steel	629[3]
Satin Stainless Steel	630[3]
Satin Stainless Steel with MicroShield®	630C
Black Oxidized Bronze, Oil Rubbed	722[2]
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

[1] New, March 2007
[2] Formerly 613 prior to March 2007
[3] Escutcheon finished to match 629, 630 finish

ED5000N x TCRNE1

	Inside Push Pad	Outside Reader Trim
R/S	ED5200N	9600
Mortise	ED5600N	9M600
CVR	ED5800N	9600
SVR	ED5400N	9S600

Reader Type

Description	Specify
125 kHz reader	M802
13.56 MHz iCLASS SE reader	M812

Credential

Description	Specify
PIV Credential, 200 bit binary output (PAM compliant)	IV*
PIV Credential, 64 bit BCD output (PAM compliant)	IV-0C*
PIV Credential, 128 bit BCD output (PAM compliant)	IV-0D*

*All IV configurations support CIV and PIV-I fallback (128 Bit GUID)

For lever trim designs see page 23
For all quick codes see pages 63-66

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Features

Access 600 RNE1

FE6600 Access 600 RNE1 Multi-Point Locks

FE6600 Series lock is a multi-point, deadlocking system developed to help protect lives while securing a community shelter and/or safe room entry. Sturdy heavy-duty steel components firmly secure the door within the frame – at top, bottom, and center latch points – fortifying the opening during a windstorm event. The FE6600 Series is UL-listed for FEMA P361 (2015), FEMA P320 (2014) and ICC 500 2014 capable of withstanding severe wind speeds and flying debris. This device consists of concealed vertical rods with top and bottom latching complemented by a mortise lock with a latchbolt and deadbolt at the center of the door and an optional indicator to show the status of the top and bottom latches.

The lever rotation retracts the top bolt, the bottom bolt, and center bolts simultaneously. When retracted, the bolts are held in position as the door swings. As the door closes, the hold-back feature engages the frame and the top, center, and bottom bolts project simultaneously. With the deadbolt thrown, this system protects room occupants from threatening conditions. The FE6600 Series device can be used on fire-rated doors.

Featuring EcoFlex® Technology*

- Reduces energy consumption up to 96%, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

Monitoring Features

- Secure door position monitors latchbolt and door position in series

Handing

- Handed; quick reversibility
- The lockset can be re-handed without disassembling the lock body

Installation

- Concealed vertical assembly (rods, latches and cassette) pre-installed in door

Door Thickness

- 1-3/4" (44mm) standard

Backset

- 2-3/4" (70mm)

Lockcase

- Heavy-gage chrome plated steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm)

Front

- Heavy-gage steel, 8" (203mm) x 1-1/4"(32mm) x 3/32" (2mm) Accommodates non-beveled and beveled doors

Armored Front

- Wrought brass, bronze or stainless steel attached by machine screws to lockcase front

Latch

- Patented, quick, reversible 2-piece mechanical with anti-friction insert 5/8" (16mm) x 1" (25mm) x 3/4" (19mm)

Auxiliary Latchbolt

- 9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking

Deadbolt

- One-piece stainless steel, 19/32" (15mm) x 1-1/4"(32mm) x 1" (25mm) throw
- Standard trim is through bolted, not free floating
- Muséo® trim is not through bolted, free floating

Hub

- Steel, 5/16" (8mm)

Strike

- Wrought brass, bronze or stainless steel ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center

Cylinder

- 1000-138-A01, 6-pin, L4, keyed random, furnished standard for 1-3/4" (44mm) door
- Optional cylinders available

Warranty

- 7-year limited mechanical
- 2-year limited electrical

ANSI

- Meets A156.37, Grade 1 requirements
- Meets A117.1 Accessibility Code
- Meets A156.25 requirements

EAC Regulatory Compliance*

- UL294 6th Edition
- CAN/ULC S319
- BHMA A156.25

*All product lines except Latch Retraction Variants: ELR MP9800, ELR 7000

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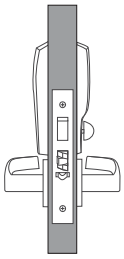
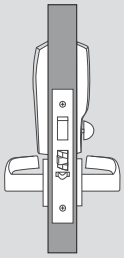
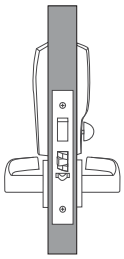
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Functions

FE6600 Access 600 RNE1 Multi-Point Locks

Access 600 | RNE1

Outside Inside	Series/Function	Type	Function Description
	FE66609 x TCRNE1 x SAF Fail Safe No Key Override With Deadbolt	Entry With Deadbolt	• Fail Safe - Power off unlocks outside trim • Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when valid user credential presented • Turnpiece inside extends and retracts deadbolt • Request to exit and secure door position monitor are standard
	FE66609 x TCRNE1 x SEC Fail Secure No Key Override With Deadbolt	Entry With Deadbolt	• Fail Secure - Power off, trim outside is locked • Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when valid user credential presented • Turnpiece inside extends and retracts deadbolt • Request to exit and secure door position monitor are standard
	FE66608 x TCRNE1 x SEC Fail Secure Key Override With Deadbolt	Entry With Deadbolt	• Fail Secure - Power off, trim outside is locked • Key outside retracts deadbolt. Key outside also retracts latch and unlocks outside when trim is locked electronically • Top and bottom rods retracted by lever • Deadbolt projected and retracted by thumbturn or key

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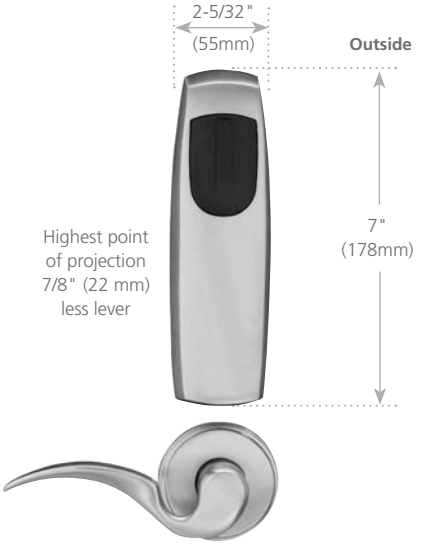
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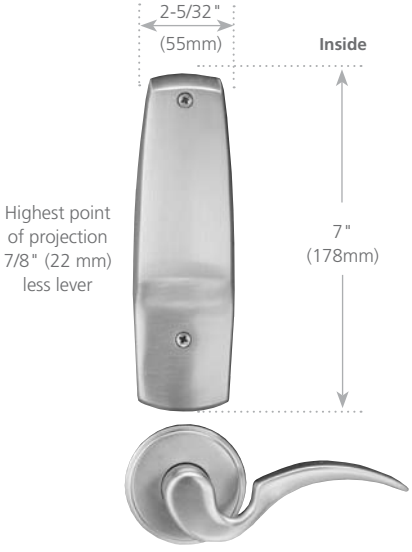
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Escutcheons & Electrical Specifications

FE6600 Access 600 RNE1 Multi-Point Locks





Escutcheons*

- Solid casting
- Highest point of projection 7/8" (22 mm) less lever
- Operating temperature -40°F (-40°C) to 151°F (66°C)
- LEDs indicate valid/invalid credentials
- Lever x sectional trim only

Reader - M802 (125 kHz proximity credentials)

- Reader requires 12VDC

FE66600 x M802 Electrical Specifications:

- Reader draw = 140 mA
- Actuator draw = 15 mA continuous
- Maximum (2) locks per 1 Amp power supply (500 mA peak current draw)

Note: The M802 reader requires 12VDC for power. As the lock accepts either 12 or 24V, we recommend a 12V power supply to support both the lock and reader with a single power supply.

Reader - M812 or IV- (13.56 MHz iCLASS SE or PIV) credentials

- Reader requires 12 or 24VDC

FE66600 x M812 or IV- Electrical Specifications:

- Reader draw = 150 mA
- Actuator draw = 15 mA continuous
- Maximum (2) locks per 1 Amp power supply (500 mA peak current draw)

Note: M812 or IV- reader uses 12 or 24VDC

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High Security Monitoring

FE6600 Access 600 RNE1 Multi-Point Locks

Access 600® RNE1

FE6600 Series Electrified Multi-Point Lock with High Security Monitoring

The EcoFlex® electrified mortise lock platform, including Access 600® RNE1, is available with internal end-of-line resistors for comprehensive monitoring of the circuit between the access control panel and lock, as well as deadbolt privacy function.

High Security Monitoring Options

- **Internal End-of-Line Monitoring**
  Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

  Select a compatible resistor configuration and add the appropriate quick code to the beginning of your order string:
  – **R01**: Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision
  – **R03**: Software House compatible 1KΩ/2KΩ resistance supervision
  – **R04**: AMAG compatible 4-state supervision

- **Deadbolt Privacy Function (PHR-)**
  – Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.
  – Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower areas
  – To order, add the PHR- quick code to Options order string (available with deadbolt functions only)

Ordering Examples

Quantity	Series/ Function	Technology Code	Trim	Finish	Hand	Credential Quick Code	Fail-Safe/ Fail-Secure	High Security Monitoring Options
2	FE66609	TCRNE1	111X	626	RHR	M802	SEC	PHRR01

› FE6600 Multi-Point Lock x Access 600 RNE1 x Deadbolt x Fail-Securee
› Muséo lever 111 with X rose
› Satin chrome finish
› Right hand reverse
› 125 kHz Proximity reader
› Deadbolt privacy function, Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision

Quantity	Series/ Function	Technology Code	Trim	Finish	Hand	Credential Quick Code	Fail-Safe/ Fail-Secure	High Security Monitoring Options
2	FE66609	TCRNE1	111X	626	RHR	M812	SEC	R03

› FE6600 Multi-Point Lock x Access 600 RNE1 x Deadbolt x Fail-Secure
› Muséo lever 111 with X rose
› Satin chrome finish
› Right hand reverse
› 13.56 MHz iCLASS SE smart card reader
› Software House compatible 1KΩ/2KΩ resistance supervision

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Available Trim Options

Access 600 RNE1

FE6600 Access 600 RNE1 Multi-Point Locks

Standard Levers


Armstrong


Citation


Dirke


Essex[1]


Lustra[1]


Newport[1]


Princeton[1]


Regis

Standard Roses


2-1/4" (57mm)

A Rose


2-1/4" (57mm)

B Rose


2-7/8" (73mm)

F Rose

Vineyard™ Levers


Frascati


Merlot


Zinfandel

Vineyard™ Rose


2-9/16" (65mm)

G Rose

1. Lever returns within 1/2" (13mm) of door face

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Available Trim Options

FE6600 Access 600 RNE1 Multi-Point Locks

Access 600 RNE1

Muséo trim is available in a broad array of designs. It allows for uniformity throughout a facility using ML2000 Series Mortise Locks, Access Control Products, ED4000 and 5000 Series Exit Devices, and TL37000 Series Tubular Locks.

All levers meet ADA compliance for national codes. Visit the online decorative hardware product selector at selector.corbinrusswin.com to mix and match styles and finishes.

Muséo Collection Levers

Georgia


102


103


104[2]


124[1]


125[1]

Jackson
(Handed Levers)


105


119


121[2]


127[1]

Pablo
(Handed Levers)


117


126[1]

Salvador


106


107


108


109[1]


110


123[1]


128[1]

1. Lever returns within 1/2" (13mm) of door face
2. Levers are not available with Inspire™ Roseless Trim

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Available Trim Options

Access 600 RNE

FE6600 Access 600 RNE1 Multi-Point Locks

Muséo Collection Levers

Marc
(Handed Levers)


111[2]


115


112


114


130[1]


131[1]


132[1]

Piet[2/3]


23M


21L


25M


21M


21S


21G


27M

Josef[2/4]


133


134[1]


135


136


137[1]


138[1]

Georges[2]


139


140


141


142


143

1. Lever returns within 1/2" (13mm) of door face
2. Levers are not available with Inspire™ Roseless Trim
3. Piet levers are customized. See page 34 for ordering information
4. 135-138 – Contain white or black polycarbonate inserts. Not available with MicroShield® antimicrobial coating.

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Available Trim Options

FE6600 Access 600 RNE1 Multi-Point Locks

Access 600 RNE1

Muséo Collection Roses[1]



V Rose Wrought



U Rose Wrought



T Rose Wrought



Y Rose Wrought



W Rose Wrought



X Rose Wrought



E2 Rose Wrought



E3 Rose Wrought



E4 Rose Wrought

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Available Trim Options

Access 600 RNE1

FE6600 Access 600 RNE1 Multi-Point Locks



Grooved Insert 21G



Leather Insert 21L



Polished with Satin Insert 21M



Santoprene™ Insert 21S



With Raised Band 23M



Plain 25M



Plain with Two Grooves 27M

Piet Finish Codes

Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
613E	3E	Dark Oxidized Satin Bronze, Equivalent
BSP	BS	Black Suede Powder Coat
WSP	WS	White Suede Powder Coat
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	303030, 292929, 293029, 302930, 3E003E, BS00BS OR WS00WS
21L	Leather Insert	30BK30, 30BN30, 29BK29, 29BN29, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS OR WSBNWS
21M	Metallic Insert	293029** or 303030
21S	Santoprene Insert	30BK30, 29BK29, 3E003E, BS00BS or WS00WS
23M	Raised Band	290030, 290029, 300030, 300029, 3E003E, BS00BS OR WS00WS
25M	Plain	290029, 300030, 3E003E, BS00BS or WS00WS
27M	Two Grooves	290029, 300030, 3E003E, BS00BS or WS00WS

**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

Ordering Examples

Rose Options: E2, E3, E4, T, U, V, W, X, Y

Quantity	Series/ Function	Trim	Lever Finish	Lock Finish	Hand	Thumbturn Options
2	ML20134	21LU	29BK29	629	RH	MT3
1	ML20136	23ME3	290030	629	RH	MT3

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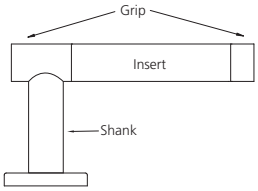
How To Order

FE6600 Access 600 RNE1 Multi-Point Locks

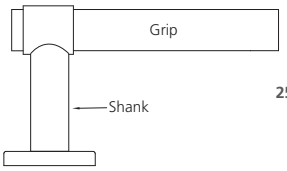
Access 600 RNE1

How to Order the Muséo Piet Lever Collection

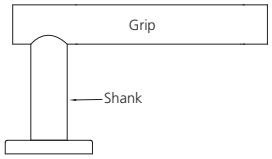
21G, 21L, 21M, 21S



23M



25M, 27M



Stock Order

Quantity	Series/ Function	Technology Code	Trim	Lever Finish	Lock Finish*	Hand	Credential Quick Code	Fail-Safe/ Fail-Secure
2	FE66609	TCRNE1	21MV	293029	629	RHR	M802	SEC

› FE6600 Multi-Point Lock x Access 600 RNE1 x Deadbolt x Fail-Secure
› Muséo Piet Lever 21M - Polished with Satin Insert – with V rose
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 629 Lock Finish
› Right hand reverse
› 125 kHz Proximity reader

Stock Order

Quantity	Series/ Function	Technology Code	Trim	Lever Finish	Lock Finish*	Hand	Credential Quick Code	Fail-Safe/ Fail-Secure
2	FE66609	TCRNE1	21GU	292929	629	RHR	M812	SEC

› FE6600 Multi-Point Lock x Access 600 RNE1 x Deadbolt x Fail-Secure
› 629 Lock Finish
› Right hand reverse
› 13.56 MHz iCLASS SE smart card reader

** Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.*

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How To Order

Access 600 RNE1

FE6600 Access 600 RNE1 Multi-Point Locks

Ordering Examples

Stock Order

Quantity	Series/Function	Technology Code	Trim	Finish	Hand	Credential Quick Code	Fail-Safe/ Fail-Secure
24	FE66607	TCRNE1	111X	626	RHR	M802	SEC

› FE6600 Multi-Point Lock x Access 600 RNE1 x Deadbolt x Fail-Secure
› Muséo lever 111 with X rose
› Satin chrome finish
› Right hand reverse
› 125 kHz Proximity reader

Split Trim/Finish Order

Quantity	Series/ Function	Technology Code	Trim		Finish		Hand	Credential Quick Code	Fail-Safe/ Fail-Secure
			Outside	Inside	Outside	Inside			
24	FE66606	TCRNE1	CSA	CSA	626	606	RHR	M802	SEC

FE6600 Multi-Point Lock x Access 600 RNE1 x Deadbolt x Fail-Secure

Outside:
› Citation lever x wrought rose
› Satin chrome finish
› Right hand reverse
› 125 kHz Proximity reader

Inside:
› Citation lever x wrought rose
› Satin brass finish

Contract/Detailed Order

Quantity	Keyset	Series/Function	Technology Code	Trim	Finish	Hand	Credential Quick Code	Fail-Safe/ Fail-Secure
24	AA1	ML20609	TCRNE1	LWA	626	RHR	M812	SAF

› FE6600 Multi-Point Lock x Access 600 RNE1 x Deadbolt x Fail-Safe
› Lustra lever x wrought A rose
› Satin chrome finish
› Right hand reverse
› 13.56 MHz iCLASS SE smart card reader

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How To Order

FE6600 Access 600 RNE1 Multi-Point Locks

Access 600® RNE1

Function

Description	Specify
No key override, with deadbolt	FE66609 x TCRNE1

Fail-Safe/Fail-Secure Quick Code

Description	Specify
Fail-Safe	SAF
Fail-Secure	SEC

End-of-Line Resistors and Deadbolt Privacy Quick Code

Description	Specify
No End-of-Line Resistors	Blank
Mercury / Lenel 1KΩ/2KΩ	R01
Software House 1KΩ/2KΩ	R03
AMAG 4-State Supervision	R04
Deadbolt Privacy	PHR
Deadbolt Privacy and Mercury / Lenel 1KΩ/2KΩ	PHRR01
Deadbolt Privacy and Software House 1KΩ/2KΩ	PHRR03
Deadbolt Privacy and AMAG 4-State	PHRR04

Finish*

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613[1]
Dark Oxidized Satin Bronze - Equivalent	613E
Dark Oxidized Satin Bronze, Clear Coated	613L
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Bright Stainless Steel	629[3]
Satin Stainless Steel	630[3]
Satin Stainless Steel with MicroShield®	630C
Black Oxidized Bronze, Oil Rubbed	722[2]
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

[1] New, March 2007
[2] Formerly 613 prior to March 2007
[3] Escutcheon finished to match 629, 630 finish
*See page 13 for finish options available for the Muséo Piet Lever Collection.

Hand

Description	Specify
Right Hand	RH
Right Hand Reverse	RHR
Left Hand	LH
Left Hand Reverse	LHR

Credential

Description	Specify
125 kHz reader	M802
13.56 MHz iCLASS SE reader	M812
PIV Credential, 200 bit binary output (PAM compliant)	IV*
PIV Credential, 64 bit BCD output (PAM compliant)	IV-0C*
PIV Credential, 128 bit BCD output (PAM compliant)	IV-0D*

*All IV configurations support CIV and PIV-I fallback (128 Bit GUID)

For all quick codes see pages 63-66

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Features

Access 600 RNE1

MP9800 Access 600 RNE1 Multi-Point Vertical Rod Locks

Eliminating the need for automatic flushbolts and coordinators, the Access 600 RNE1 Series provides flexibility, simplicity, strength, durability, aesthetics and innovation. These locks are perfect for a wide variety of applications that do not require panic/exit devices, such as conference rooms, commercial office buildings, convention centers, upscale condominiums and residential applications, medical and educational institutions.

Access 600 RNE1 Series multi-point locks are offered in a variety of functions for aluminum, wood and metal doors. Single point top latching can also be specified (M55 option), eliminating the bottom strike and the additional installation work required with a bottom bolt. Rods are retracted by dual mounted controls offering wide a variety of functions.

The MP9800 Series is available for fire rated wood or metal doors.

Featuring EcoFlex™ Technology*

EFFICIENT • FLEXIBLE • DEPENDABLE
EcoFlex™ inside

- Reduces energy consumption up to 95%, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Lock operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

*Patent pending

Features

Handing
Handed

Doors
Metal doors, 1-3/4" (44mm) door thickness standard (STD), 4-1/2" minimum stile, 2-1/4" backset (STD).

Aluminum doors, 1-3/4" (44mm) door thickness (STD), 1-7/8" minimum stile, 7/8" backset (STD) for double doors, 1-1/8" backset for single doors.

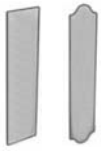
Wood doors, 1-3/4" (44mm) door thickness standard, 4-1/2" minimum stile, 2-1/4" backset standard.

Mounting
Supplied fasteners are for all doors with through-bolts for trim.

Latching
Top and Bottom or Top only (M55).

Trim
Features EcoFlex™ technology. Available with all lever designs. Auxiliary Control offers cylinder override for 01, 40, 50, 903 & 905 functions.

MPER and MPES controls are standard controls with back plates
- Mounted between the trim and the door
- Required for wood doors
- Optional for metal doors
- May be used to cover existing door preps


MPER MPES

Top and Bottom Bolts
Stainless steel top and bottom bolt travels 7/16" (11mm). Projection adjustable up to 1" (25mm).

Strikes
See page 66.

Cylinder
See cylinder options page 64.

Applications
Pairs of doors that do not require panic devices

When flush bolts are not permitted in:
- Assembly
- Education
- Healthcare
- Hazard Occupancy

Single doors that do not require a panic device with power operators

Thermal Pins
MP9800A x M55: supplied with ONE thermal pin per fire-rated lock, for installation on pairs of fire-rated doors.

Key Override/Auxillary Control
AUX15 Series Auxillary Control offers key override for Access 600 MP9800 Series.

Available functions are 55 & 59

Supplied with a Corbin Russwin mortise cylinder.

To order, add AUX155 or AUX159 to the order string after hand description.

Warranty
5 year.

Certification/Compliance

ANSI
Meets A117.1 Accessibility Code.

UL /cUL
Three-hour fire-rated locks listed as fire hardware for A label and lesser class 8' x 8' double doors; UL symbol on cover indicates listing. Any retrofit or other field modification to a fire-rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA
All fire-rated locks comply with NFPA 80 Fire Doors and Windows.

ADA
Lever trims comply with Americans with Disabilities Act.

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Functions

MP9800 Access 600 RNE1 Multi-Point Vertical Rod Locks

Access 600 | RNE1

Available Function Combinations:			Outside Function (E)	
			903	905
Passage only (no cylinder)	Inside Function (N)	10	X	X
Classroom (key unlocks/locks trim)		45	X	X
Storeroom (key unlocks trim, trim relocks when key is removed)		49	X	X
Electrified Trim - Fail Safe (no cylinder)		*(903)*		
Electrified Trim - Fail Secure (no cylinder)		*(905)*		

Note: 903 and 905 are not available as inside functions, except in special requests. The italicized lines are for reference only.

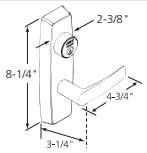
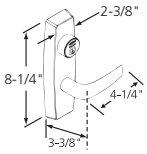
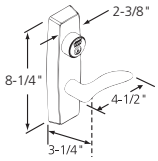
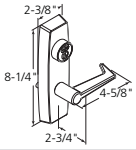
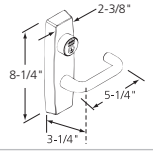
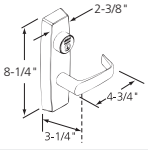
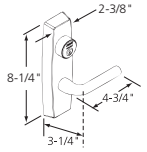
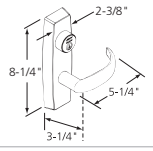
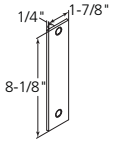
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MP9800 Access 600 RNE1 Multi-Point Vertical Rod Locks

Features:

- Beveled edges
- 5-year limited warranty

Note: Must designate E for exterior function or N for interior function when specifying order.

Pull Trim Design			Trim Designation
	**Armstrong** Lever: Cast Escutcheon: Forged		A
	**Citation** Lever: Cast Escutcheon: Forged		C
	**Dirke** Lever: Cast Escutcheon: Forged Handed: Specify RHR or LHR		D
	**Essex** Lever: Cast Escutcheon: Forged		E
	**Lustra** Lever: Cast Escutcheon: Forged		L
	**Newport** Lever: Cast Escutcheon: Forged		N
	**Regis** Lever: Cast Escutcheon: Forged		R
	**Princeton** Lever: Cast Escutcheon: Forged		PR
	**Blank Escutcheon Plate** **01**		01

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Trim

MP9800 Access 600 RNE1 Multi-Point Vertical Rod Locks

Access 600® RNE1

Muséo Collection trim is available in a broad array of designs and finishes.
All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.CorbinRusswin.com to mix and match styles and finishes.

Note: Must designate E for exterior function or N for interior function when specifying order.

Muséo®

Georgia								
	102	103	104[3]	124[1]	125[1]			
Salvador								
	106	107	108	109	110	123[1]	128[1]	
Marc								
	111[3]	112[3]	114[3]	115[3]	116[3]	130[1,3]	131[1,3]	132[1,3]
Pablo								
	117[3]	126[1,3]						
Jackson								
	105[3]	119[3]	121[3]	127[1,3]				
Piet*								
	21G	21L	21M	21S	23M	25M	27M	
Joseph[2]								
	133	134[2]	135	136[1]	137	138[1]		
Georges								
	139	140	141	142	143			

1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. 135-138 contain white or black polycarbonate inserts
3. Not available in 32D or 32 finish

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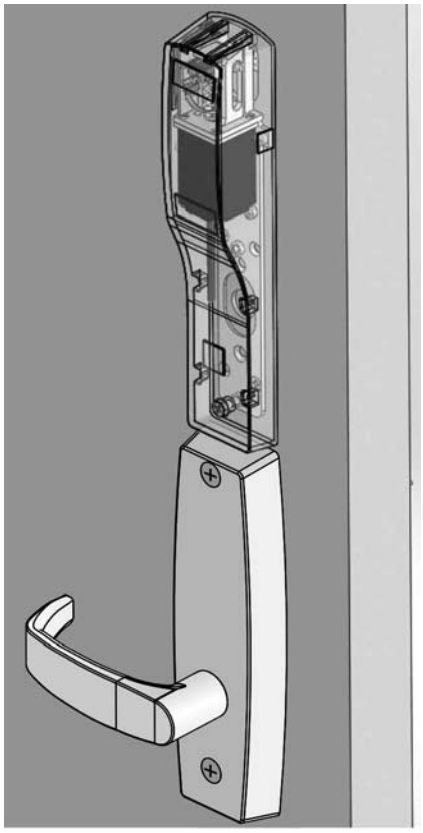
Motorized Electric Latch Retraction Option (MELR)

Access 600 RNE1

MP9800 Access 600 RNE1 Multi-Point Vertical Rod Locks

Corbin Russwin's Motorized Electric Latch Retraction (MELR) is the perfect choice for high traffic doors that require access control. This non-handed module is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner.

The MELR can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The lock can be dogged continuously on fire-rated locks that are tied into the building's fire detection system.



Motorized Electric Latch Retraction Features

- 5 year warranty
- Patent pending
- Field serviceable - modular design
- Motor-driven latch retraction for smooth, precise operation
- Amount of latch retraction is automatically controlled by the MELR circuitry; System actively monitors its position and adjusts itself
- Digital retraction timer (0-20 seconds; factory setting is 0)
- Standard electric hinge - no special power transfer required
- Can be used for continuous and intermittent use
- UL Listed for Class II Circuitry
- Power Requirements: 12VDC regulated/filtered power supply (3500 Series)
- Current draw:
  - Access 600 RNE1 Reader: (12VDC) 150mA
  - MELR Module (12VDC): 850mA during retraction & 250mA maintained in dogged position
- Available for MP9800 series only
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements

Optional Accessories

- Power Supply (BPS)
- Keyswitch (MKA)
- Keypad (DK-12)
- Door Status Switch (708F989)
- Push Button Switch (PB2)

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MELR Function Combinations & Electrical Options

MP9800 Access 600 RNE1 Multi-Point Vertical Rod Locks

Access 600 | RNE1

Available Function Combinations When Used With an MELR option			Inside Function (N)					
			10	45*	49*	52	55*	59*
Blank Escutcheon Plate	Outside Function (E)	01	X	X	X		X	X
No outside Operation (No Cylinder); Pull Only		40+	X	X	X		X	X
Class Room Key Outside Unlocks/locks Trim		45	X	X	X		X	X
Key unlocks Trim; Trim retracts latch; Trim relocks when key is removed		49	X	X	X		X	X
Freewheeling Trim; No Outside Operation		50	X	X	X		X	X
Key outside unlocks/locks O/S trim; Key inside unlocks/locks O/S trim		52				X		
Freewheeling Trim; Key Outside Unlocks/locks Trim		55	X	X	X		X	X
Freewheeling Trim; Key unlocks Trim; Trim retracts latch/Trim relocks when key is removed		59	X	X	X		X	X

*Not recommended for use on any door used for Life Safety egress
+ Rigid lever

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How to Order

Access 600 RNE1

MP9800 Access 600 RNE1 Multi-Point Vertical Rod Locks

Function

Description	Specify
No key override, with deadbolt	MP9800 x TCRNE1

Fail-Safe/Fail-Secure Quick Code

Description	Specify
Fail-Safe	SAF
Fail-Secure	SEC

Hand

Description	Specify
Right Hand	RH
Right Hand Reverse	RHR
Left Hand	LH
Left Hand Reverse	LHR

Door Thickness

Description	Specify
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

Door Height

Description	Specify
7'0"	(standard)
7'2"	H0702
7'6"	H0706
8'0"	H0800
9'0"	H0900
10'0"	H1000

Finish*

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613[1]
Dark Oxidized Satin Bronze - Equivalent	613E
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Bright Stainless Steel	629[3]
Satin Stainless Steel	630[3]
Satin Stainless Steel with MicroShield®	630C
Black Oxidized Bronze, Oil Rubbed	722[2]
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

[1] New, March 2007

[2] Formerly 613 prior to March 2007

[3] Escutcheon finished to match 629, 630 finish

Credential

Description	Specify
125 kHz reader	M802
13.56 MHz iCLASS SE reader	M812
PIV Credential, 200 bit binary output (PAM compliant)	IV*
PIV Credential, 64 bit BCD output (PAM compliant)	IV-0C*
PIV Credential, 128 bit BCD output (PAM compliant)	IV-0D*

*All IV configurations support CIV and PIV-I fallback (128 Bit GUID)

Miscellaneous Options

Description	Specify
Torx® head screws	M04
Knurling outside and inside	M20
Knurling outside only	M21
Knurling inside only	M22
Abrasive coat outside and inside	M23
Abrasive coat inside only	M24
Abrasive coat outside only	M25
Less bottom vertical rod	M55
Windstorm	M107
Aluminum Door	MPAD*
Rectangular Back Plate *(Required for Wood Door - MPWD)*	MPER
Back Plate *(Required for Wood Door - MPWD)*	MPES
Lever Hold Back	MPHB
Wood Door	MPWD*
Aux Control (Classroom)	AUX155
Aux Control (Storeroom)	AUX159

For all quick codes see pages 63-66

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How to Order

MP9800 Access 600 RNE1 Multi-Point Vertical Rod Locks

Access 600 | RNE1

Ordering Examples

Contract/Detailed Order - Standard MP9800

Quantity	Series/ Function	Trim/Exterior Function	Trim/Interior Function	Finish	Hand	Door Thick-ness	Door Height	Misc. Options	Voltage	Required Options	
										Technology Code	Credential Code
2	MP9800	DE905	DN10	626	LHR	D214	H0800	M55	12AD	TCRNE1	M802

› MP9800 Multi-Point Vertical Rod Lock x *TCRNE1* x Deadbolt
› Interior Function: Passage only (no cylinder)
› Exterior Function: Electrified Trim, Fail Secure
› Satin chrome finish
› Left hand reverse
› 125 kHz Reader

Contract/Detailed Order - MP9800 with MELR

Quantity	Series/ Function	Trim/Exterior Function	Trim/Interior Function	Finish	Hand	Door Thick-ness	Door Height	Misc. Options	Voltage	Required Options	
										Technology Code	Credential Code
2	MP9800	DE49	DN10	626	LHR	D214	H0800	MELR	12AD	TCRNE1	M802

› MP9800 Multi-Point Vertical Rod Lock with MELR x TCRNE1 x Deadbolt
› Exterior function: Key unlocks trim; Trim retracts latch; Trim relocks when key is removed
› Interior function: Passage only (no cylinder)
› Satin chrome finish
› Left hand reverse
› 125 kHz Reader

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Access Credentials

The access credentials below are only compatible with the M802 (125 kHz proximity reader) and M812 (13.56 MHz iCLASS reader) options. Other credentials (125 kHz proximity and 13.56 MHz iCLASS, 26-39 bit formats) can be purchased from HID®.

Credential Features

- Allows integration into existing facilities with HID-based technology
- Standard credentials available with 26 bit Wiegand format and Corbin Russwin assigned site code
- *HID* credentials available. For a higher level of security, custom cards, fobs or tags with unique site codes are available; consult factory.

Corbin Russwin *HID* iCLASS 210

- 26 bit format
- Blank (white) card
- Blank card can be printed with customer's text and graphics – by others
- 25/pkg.
- Custom Cards available - consult factory
- Dimensions: 2-1/8" x 3-3/8" (54mm x 85.7mm)
- Thickness: .031" nom. (1.8mm)

767F479	C/R 26 bit iCLASS 210 blank
767F489	HID 26 bit iCLASS 210 blank *Special Application Required

ISOProx® II Card

- 26 bit format
- Blank (white) card
- Blank card can be printed with customer's text and graphics – by others
- 25/pkg.
- Dimensions: 2-1/8" x 3-3/8" (54mm x 85.7mm)
- Thickness: .033" nom. (.84mm)

794F329	C/R 26 bit *ISOProx* II Card blank
794F369	HID 26 bit *ISOProx* II Card *Special Application Required



MicroProx® Tag

- 26 bit format with Corbin Russwin site code or customer site code
- Sequence numbers marked on each tag
- Gray color with HID Logo
- 10/pkg. (100 minimum order quantity)
- Dimensions: 1.285" x 0.070" (32.6mm x 1.78mm)
- For *MicroProx* Tag with customer site code, consult factory for minimum quantities



ProxKey III

PF Corbin Russwin ProxKey III

- Site Code and Proximity ID#'s determined and controlled by Corbin Russwin
- 26 Bit Format, HID Coded Wiegand Output 125kHz
- 1.555" x 1.25" x 0.235" inches max (3.95 cm x 3.18 cm x 0.60 cm)
- Key ring sold separately (part no. 57-0001-02)
- Corbin Russwin ProxKey III ordered individually*** (Minimum order is 25 ProxKey III)

PF-C Custom ProxKey III

- Site Code - requested by customer
- Proximity ID#'s requested by customer
- 26 Bit Format, HID Coded Wiegand Output 125kHz
- 1.555" x 1.25" x 0.235" inches max (3.95 cm x 3.18 cm x 0.60 cm)
- Key ring sold separately (part no. 57-0001-02)
- PF-C Custom ProxKey III ordered individually*** (Minimum order is 100 Custom ProxKey III)

794F439	C/R 26 bit ProxKey III
794F459	*HID* 26 bit ProxKey III

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HID multiCLASS Smart Card Readers

Access 600 RNE1

All Readers configured as follows:

- Wiegand output
- multiCLASS security - HID Mobile Access Mobiles IDs via NFC and Bluetooth Smart - reader equipped with Bluetooth Smart module. Also supports iCLASS Seos, iCLASS SE, iCLASS SR, iCLASS, MIFARE Classic (SIO-enabled), MIFARE DESFire EV1 (SIO-enabled), ISO 14443 UID, HID Prox
- Keypad: Buffer one key, no parity, 4 bit message (RK40 Only)

iCLASS® SE Smart Card Readers

Product Number	Function Description	
767F399 (Pigtail) 767F409 (Terminal Block)	*HID* R10 Reader • Mini-Mullion Size multiCLASS Reader • Measures 4" long, 1.9" wide and .90" deep • Mounts in single gang electrical box; 12VDC power supply required	
767F459 (Pigtail) 767F469 (Terminal Block)	*HID* R15 Reader • Mullion Size multiCLASS Reader • Measures 6" long, 1.9" wide, .9" deep • Mounts in single gang electrical box; 12VDC power supply required	
767F419 (Pigtail) 767F429 (Terminal Block)	*HID* R40 Reader 6120 • Wall Switch multiCLASS Reader • Measures 4.8" long, 3.3" wide and 1.0" deep • Mounts in single gang electrical box; 12VDC power supply required	
767F439 (Pigtail) 767F449 (Terminal Block)	*HID* RK40 Keypad Reader 6130 • Wall Switch Keypad multiCLASS Reader • Measures 4.8" long, 3.3" wide and 1.1" deep • Mounts in single gang electrical box; 12VDC power supply required	

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Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With ElectroLynx, doorway components come pre-wired for easy hookup to the power source. Key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx:

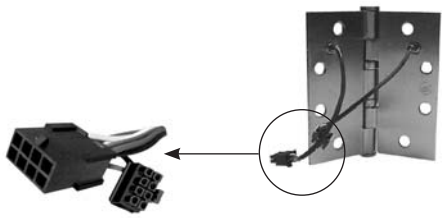
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect Access 600 RNE1 Series hardware to the electronic access control system, the following items are required:

- *Access 600* RNE1 mortise or cylindrical lock, or exit device
- ASSA ABLOY Door Group pre-wired door, or ElectroLynx retrofit cable (order from McKinney)
- Electronic transfer device (ElectroLynx electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKinney)
- ElectroLynx cable from the hinge to above the ceiling (order from McKinney)

Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

McKinney QC12 ElectroLynx Hinges (or McKinney EL-EPT) are recommended for *Access 600* RNE1 Applications



Weatherseal Gasketing

- Gaskets provide sealing between escutcheons and door for exterior applications
- Gasketing and conduit recommended for use on non-fire rated exterior applications only
- To order separately, specify gasket part number(s) on page 63.

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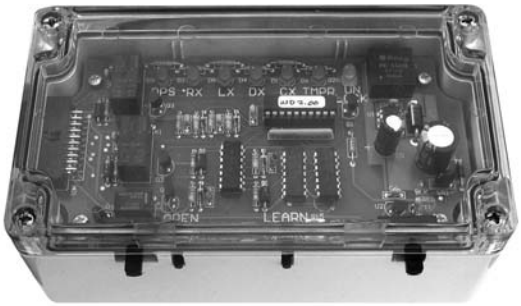
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Accessories

Access 600 RNE1

Wiegand Test Unit

Designed for use with the Corbin Russwin Access 600 RNE1 Wiegand lock, the ASSA ABLOY Wiegand Test Unit is a user-friendly tool providing product demonstration to highlight important features and access control capabilities.



WT1 Wiegand Tester

Ideal for troubleshooting, the Wiegand Test Unit checks for:

- Proper wiring
- Card reader data integrity
- Lock functionality including lock/unlock, door position and REX

Feature	WT1	WT2
12 or 24VDC lock voltage adjustable	X	X
Operates as Fail Safe or Fail Secure	X	X
"Learn" mode allows testing of specific cards without programming at the panel level	X	X
Card reader data integrity is validated at test unit	X	X
Works with Access 600 RNE1 products	X	X
Displays detailed Wiegand data, including the hexadecimal string and total bits received		X
Displays measured end-of-line resistor values (if applicable)		X

To order, specify WT1 or WT2

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Accessories, Parts and Quick Code Index

Access 600 RNE1

Credentials - M802 (125 kHz reader) credential only

794F319	C/R 26 bit ISO Prox II with logo
794F329	C/R 26 bit ISO Prox II blank
794F359	HID 26 bit ISO Prox II with logo
794F369	HID 26 bit ISO Prox II without logo
794F339	C/R 26 bit ProxCard II with logo
794F349	C/R 26 bit ProxCard II blank
794F379	HID 26 bit ProxCard II with logo
794F389	HID 26 bit ProxCard II without logo
794F399	C/R DuoProx II - Prox and magstripe with logo
794F409	C/R DuoProx II - Prox and magstripe without logo
794F419	HID 26 bit DuoProx II - Prox and magstripe
794F429	C/R MicroProx tag
794F449	HID MicroProx tag with customer site code
794F439	C/R 26 bit ProxKey III
794F459	HID 26 bit ProxKey III

Hardware

708F989	Door Position Switch

Technology Options

Part No./ Quick Code	Description
M802	125 kHz reader operates on 12VDC
M812	13.56 MHz iCLASS SE reader operates on 12VDC or 24VDC
IV*	PIV Credential Support, 200 bit binary output (PAM compliant) reader operates on 12VDC or 24 VDC
IV-0C*	PIV Credential Support, 64 bit BCD output (PAM compliant) reader operates on 12VDC or 24 VDC
IV-0D*	PIV Credential Support, 128 bit BCD output (PAM compliant) reader operates on 12VDC or 24 VDC

* All IV configurations support CIV and PIV-I fallback (128 Bit GUID)

125 kHz Proximity Readers

752F909	125 kHz Mullion - mount Prox Reader
752F919	125 kHz Low Profile Prox Reader
752F929	125 kHz New Generation Prox Reader
752F939	125 kHz Keypad Prox Reader (keypad is configured for 8-bit data bursts)
752F949	125 kHz Long Range Prox Reader
752F959	125 kHz Prox Reader
752F979	Glass-mount kit for use with 4304 and 4305

iCLASS Smart Card Readers

744F709	Mullion-mount Smart Card Reader
744F719	Wall Switch Smart Card Reader
744F729	Wall Switch Keypad Smart Card Reader
744F739	Contactless Smart Card Reader – Read Only

EcoFlex® Mortise Lock Fail-Safe/Fail-Secure Quick Code

Specify	Description
SAF	Fail-Safe
SEC	Wall Switch Smart Card Reader

EcoFlex® Mortise Lock End-of-Line Resistors and Deadbolt Privacy Quick Code

Specify	Description
Blank	No End-of-Line Resistors
R01	Mercury / Lenel 1KΩ/2KΩ
R03	Software House 1KΩ/2KΩ
R04	AMAG 4-State Supervision
PHR	Deadbolt Privacy
PHRR01	Deadbolt Privacy and Mercury / Lenel 1KΩ/2KΩ
PHRR03	Deadbolt Privacy and Software House 1KΩ/2KΩ
PHRR04	Deadbolt Privacy and AMAG 4-State

Gaskets

Part No	Application	Description	Cylindrical	Mortise	Exit Device
752F809	Interior	Gasket between escutcheon and door surface for cylindrical lock series	•		
752F819	Exterior	Gasket between secure side escutcheon and door surface for both cylindrical lock and exit trim	•		•
752F829	Interior	Gasket between escutcheon and door surface for exit device trim			•
752F839	Exterior	Gasket between secure side escutcheon and door surface for mortise series		•	
752F849	Interior	Gasket between escutcheon and door surface for mortise series		•	
794F519	Exterior	Gasket between heavy duty exit trim and door surface			•

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Accessories, Parts and Quick Code Index

Access 600 RNE1

Cylinder Options

Part No./ Quick Code	Description	Cylindrical	Mortise	Exit Device
6P	Conventional 6-pin	std	std	•
7P	Conventional 7-pin	•	•	•
LC	Less Cylinder(s)	•	•	std
HS	Security	•	•	•
CHS	Security IC	•	•	•
PS	Pyramid Security	•	•	•
PCS	Pyramid Security IC	•	•	•
PHS	Pyramid High Security Fixed Core	•	•	•
PCHS	Pyramid High Security IC	•	•	•
CTP	Pyramid IC with Temporary Construction Core	•	•	•
CLP	Pyramid IC Less Core	•	•	•
C6	IC 6-pin	•	•	•
CT6R	IC 6-pin with Temporary Construction Core (Red)	•	•	•
CT6B	IC 6-pin with Temporary Construction Core (Blue)	•	•	•
CT6G	IC 6-pin with Temporary Construction Core (Green)	•	•	•
CL6	IC 6-pin Less Core	•	•	•
CLS6	SFIC 6-pin with Less Core		•	•
CT6SD	SFIC 6-pin with SFIC disposable temporary core		•	•
CTSD	SFIC 6- or 7-pin Small Format Disposable Core[1]	•		
C7	IC 7-pin	•	•	•
CT7R	IC 7-pin with Temporary Construction Core (Red)	•	•	•
CT7B	IC 7-pin with Temporary Construction Core (Blue)	•	•	•
CT7G	IC 7-pin with Temporary Construction Core (Green)	•	•	•
CL7	IC 7-pin Less Core	•	•	•
CLS7	SFIC 7-pin with Less Core		•	•
CT7SD	SFIC 7-pin with SFIC disposable temporary core		•	•
CTPD	Pyramid Disposable Core	•	•	•
CT6D	6-pin with Disposable Core	•	•	•
CT7D	7-pin with Disposable Core	•	•	•
	0-bitted with 2 Blank Keys	std	std	std
KR	Keyed random	•	•	•
CMK	Construction master keyed	•	•	•
VKC0	Visual Key Control (VKC) - No bitting or keyset stamping on keys	•	•	•
VKC1	Visual Key Control (VKC) - Keys only	•	•	•
VKC2	Visual Key Control (VKC) - Cylinders and Keys (not for HS, CHS, PHS, or PCHS)	•	•	•
VKC3	Visual Key Control (VKC) - Cylinders only (not for HS, CHS, PHS, or PCHS)		•	•
CKC2	Concealed Key Control (CKC) - Cylinders with VKC keys	•	•	•
CKC3	Concealed Key Control (CKC) - Cylinders Only (not for PHS, PCHS)	•	•	•
	2 keys per Lock	std	std	std
KY# (e.g. KY6)	More than 2 keys	•	•	•

Note: 1. Specify M08 for levers to accept SFIC cores; which ship standard with temporary disposable core

• = *available*

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Accessories, Parts and Quick Code Index

Miscellaneous Options

Part No./ Quick Code	Description	Cylindrical	Mortise	Exit Device
M04	Torx® head screws	•	•	•
M06	Less cylinder, with tailpiece for Schlage® cylinder	•		
M08	Lever to accept Best® type core (NZD & PZD designs only)	•		
M09	Lever to accept Sargent® cylinder (NZD & PZD designs only)	•		
M13	Rounded Corners on latch front	•		
M16	3/4" (19mm) throw fire latch	•		
M17	ANSI wrought strike box	•	•	•
M20	Knurling outside and inside	•	•	•
M21	Knurling outside only	•	•	•
M22	Knurling inside only	•	•	•
M23	Abrasive coat outside and inside	•	•	•
M24	Abrasive coat outside only	•	•	•
M25	Abrasive coat inside only	•	•	•
M69	Lever to accept Schlage® Interchangeable core (NZD & PZD design only)	•		
M54	Sex nuts and bolts (SNBs)			•
M64	Wood screws for use on fire-rated solid wood or wood core doors			•
M109	High Impact End Clamp			•
M110	Flush End Cap			•

Electrified Accessories

BPS-24-1	Power supply 1.0 amp @ 24 VDC output
BPS-24-2	Power supply 2 amp @ 24 VDC output
BPS-24-4	Power supply 4 amp @ 24 VDC output
BPS-12-1	Power supply 1 amp @ 12 VDC output
BPS-12-3	Power supply 3 amp @ 12 VDC output
EPTL	Concealed transfer for over 120° swing doors

Electrified Options for Exit Device

Description	Specify
Motorized Electric Latch Retraction	MELR
Exit Alarm Device (cylinder not included)	M61
Bolt Position Monitoring	M91
Request to Exit/Touchbar Monitoring or Signaling	M92
Outside Trim Monitoring or Signaling	M93
Electric Dogging	M97
Mortise Device Lock with Outside Trim Control (Fail Safe)	SAF*
Mortise Device Lock with Outside Trim Control (Fail Secure)	SEC*
Delayed Egress (15 second delay standard)	D
30 second delay(may be accepted by local jurisdiction) (with "0" option only)	M88
BOCA 15-second delay (with "0" option only)	M89
BOCA 3D-second delay (with "0" option only)	M90
Security Monitor	M98^
Trim Gasket	M99

*Only available with E05600L and 5600(A)L.
^9903/9905 trims only.

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Accessories, Parts and Quick Code Index

Access 600 RNE1

Strikes - ANSI Curved Lip

Specify	Lip to Center	Cylindrical	Mortise	Exit Device
SA100	1" (25mm)	•		
SA118	1-1/8" (29mm)	•		
SA114	1-1/4" (32mm)	•	•	
SA138	1-3/8" (35mm)	•	•	
SA112	1-1/2" (38mm)	•	•	
SA134	1-3/4" (44mm)	•	•	
SA200	2" (51mm)	•	•	
SA214	2-1/4" (57mm)	•	•	
SA212	2-1/2" (64mm)	•	•	
SA234	2-3/4" (70mm)	•	•	
SA300	3" (76mm)	•	•	

Strikes - ANSI Straight Lip

Specify	Lip to Center	Cylindrical	Mortise	Exit Device
SS078	7/8" (22mm)		•	
(standard)	1-1/8" (29mm)		std	
SS114	1-1/4" (32mm)		•	
SS138	1-3/8" (35mm)		•	
SS112	1-1/2" (38mm)		•	
SS134	1-3/4" (44mm)		•	
SS200	2" (51mm)		•	
SS214	2-1/4" (57mm)		•	
SS212	2-1/2" (64mm)		•	
SS234	2-3/4" (70mm)		•	
SS300	3" (76mm)		•	

Open Back Strike

Specify	Door Thickness	Cylindrical	Mortise	Exit Device
SB134	1-3/4" (44mm)		•	•
SB200	2" (51mm)		•	
SB214	2-1/4" (57mm)		•	•
SR118	Rabbeted front and strike		•	

Backset

Specify	Description	Cylindrical	Mortise	Exit Device
standard	2-3/4" (70mm)	•		
B334	3-3/4" (95mm)	•		
B500	5" (127mm)	•		

Door Width

Specify	Description	Cylindrical	Mortise	Exit Device
W024	24" (610mm)			•
standard	36" (914mm)			std
W048	48" (1219mm)			•

Door Thickness - Mortise

Specify	Door Thickness
D138	1-3/8" (35mm)
D134	1-3/4" (44mm)
D178	1-7/8" (48mm)
D200	2" (51mm)
D218	2-1/8" (54mm)
D214	2-1/4" (57mm)

Door Thickness - Cylindrical

Specify	Door Thickness
std	1-3/4" (44mm) to 2" (51mm)
D214	2-1/8" (54mm) to 2-1/4" (57mm)

Door Thickness - Exit

Specify	Door Thickness
std	1-3/4" (44mm)
D200	2" (51mm)
D214	2-1/4" (57mm)

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Notes

Access 600 RNE1

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

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For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

MicroShield™

MicroShield®
As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria. MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

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Access 700® PAC1

Campus Access Control



POWERED BY PERSONA™

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Access 700® PAC1

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The One Card solution for securing campuses

The Corbin Russwin Access 700® PAC1 lockset with PERSONA Campus™ software is an intelligent, One Card solution for economical and effective campus access control. The Grade 1 quality lockset – available with keypad and magnetic stripe, or magnetic stripe only versions – is a battery-operated lockset with on-board memory.

PERSONA Campus™ software technology provides seamless database integration and software interfacing with enterprise, transaction and housing systems.

Access 700 offline locks with PERSONA provide centralized security at a fraction of the cost of a hardwired system, as well as the top quality and high security you expect from Corbin Russwin.

Access 700® PAC1 Applications

- Residence Halls
- Restrooms
- Dining Halls
- Libraries
- Book Stores
- Leisure Centers
- Sports Halls
- Classrooms
- Laboratories

Access 700® PAC1 Lock Features

- High security offline battery-operated lock
- Complete lockset with on-board memory:
  - 1,200 users supported per lock
  - Audit trail for last 700 events
- Available with:
  - keypad and magnetic stripe
  - magnetic stripe only
  - high coercivity
- 3-hour UL fire rating for maximum security and safety
- ADA-compliant

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Overview



Cylindrical Lock -
CL33700 x PAC1

Mortise Lock -
ML20700 x PAC1

Exit Device -
ED5000N x 9700 x PAC1

Multi-Point Lock -
FE6600 x PAC1

M807

Magstripe Only – Most existing magstripe ID cards work with the system including high coercivity magnetic stripe.

- Card track: Track 1 or 3
- Card Coercivity: HiCo (4000 Oersted)
- Time resolution on card: 1 minute

M808

Keypad & Magstripe

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Access 700 PAC1

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PERSONA Campus™ Software



The Case For a More Intelligent Locking System.

Hard-wired locking systems may solve the problem, but at what expense? The cost to install in an existing facility makes hard-wired solutions largely prohibitive. And in a new construction, change orders or modifications can be difficult and expensive. PERSONA represents a more reasonable choice.

PERSONA is an intelligent locking system, battery-powered, simply installed, easy-to manage, and fully upgradable. Each stand-alone lock reads programmable keycards, customized to fit the unique needs of your user population. No expensive networking or wiring is required. And the system's user-friendly software runs on any desktop PC, simplifying management of your security locking system.

How the PERSONA System Works

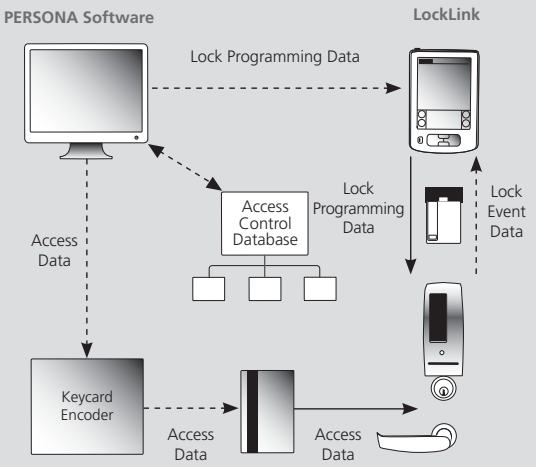
The PERSONA system combines the following state-of-the-art elements to provide unparalleled flexibility and security in your campus locking solution.

High Security Lockset

The PERSONA lockset is a battery-operated, stand-alone unit, requiring no wiring from locks to CPU. All electronics and batteries are mounted inside the durable, metal casing. The lock is opened using a standard high coercivity magnetic stripe card, with tracks one or three open for encoding. This configuration provides maximum programming flexibility, allowing user information to be stored on one track while security access information is stored on another. A manual key override is also provided for failsafe backup in emergency situations. The lock's three-tiered operating mode of passage, card only, or cardplus-PIN code offers the flexibility to tailor security from building to building, room to room, even door to door. The lockset features an on-board memory, allowing you to control access privileges for cardholders down to exact location and time of day. It remembers who entered when and where. The mortise lock version also records if the door was propped open and how long it remained that way.

System Software

Easy-to-learn, easy-to-use PERSONA system software is designed to run on any single PC or network, using Windows based operating system. Using database information from most student administration systems, the software allows you to name locks, buildings, special days, and timetables for easy system management. The software makes custom programming of keycards for individual access quick and easy. Users may be given access to common areas during certain hours, while having unlimited access to individual rooms dependent on security clearance. Because the access information is stored on the keycard, not in the lock, you won't have to reprogram a lock when room assignments change.



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Access 700 PAC1

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PERSONA Campus™ Software

Your Changing Environment Deserves The High Security of a PERSONA Locking System

You already know that responsible management of a heavily populated facility or campus environment demands a high-security locking solution. The potential liabilities associated with your choice make that solution all the more critical. Still, someone at your campus must manage and maintain the system day-to-day. So the system you install today must also be easy to live with tomorrow. If not, the temptation to short cut necessary security measures could undo your lock system investment.

PERSONA protects your people and property, while providing the fluid operating environment you need to efficiently manage your campus. Because PERSONA offers you:

- **Friendly Fit** – a non-disruptive, easy to-live-with security lock system that fits the needs of your facility, today and tomorrow.
- **Easy Integration** – minimal impact on your facility and organization, both throughout the installation and bringing the system online.
- **Minimal Expense** – cost-effective to own and operate, simple to care for, manage, and maintain.

PERSONA adapts naturally to your diverse security needs. Choose a more personable, reliable, customizable security solution. Inspect the benefits of PERSONA.

Get a Lock That Fits the Persona of Your Facility…PERSONA

PERSONA is the one intelligent locking system that secures your entire physical environment, without forcing you to change the way you go about your business. With PERSONA, you can:

- **Issue cards at multiple locations** – Place terminals across campus, allowing administrators to issue new or replacement keycards in seconds.
- **Customize access** – Lets you define unlimited access, extended-hours access or no access, by user, by facility, down to the individual lock.
- **Program full access for privileged staff** – Privileged staff can respond quickly, without delay, using a master keycard personalized for security with a unique PIN code.
- **Assure security for every user** – A single keycard can provide user identification, building access, and parking privileges allowing for personalized security at its best.
- **Time-control user access** – Limit entry to specific areas and hours, controlling who goes where and when.
- **Audit event histories** – Allows you to interrogate locks, review event history, and prevent false accusations of entry and theft.
- **Simplify special events** – Special conferences and other programs are easy-to-manage, using limited-access cards programmed in TrueTime™.
- **Simplify overall administration** – Interrogate individual locks and perform system upgrades and changes quickly and easily using unique LockLink technology by PERSONA.

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Offline Locking Solutions



Remote Reader

For doors where a lockset cannot be used, the PERSONA remote reader offers independent, stand-alone security compatible with your overall keycard system. A relay output allows you to control access to revolving doors, electric strikes and magnets, door openers, vehicle entrances, and other units.



Encoder

The PERSONA encoder allows you to place customized user information onto the magnetic stripe of most any keycard. The information on the card is checked by each lock into which the card is inserted, determining whether or not access will be granted. Information stored includes issue time, start time, end time, facility code, user ID, PIN code, access privileges, and more.

The encoder also runs in an unattended mode which allows the PERSONA server to encode any keycard with the latest information. This might include a room change driven by an interface to a host system, or a privilege extension granted by a system operator in their PERSONA Campus software. Unattended encoders are perfect for bulk move-in periods as well as day-to-day upkeep of the PERSONA card data.



LockLink

Interrogating access history and updating locks in your facility is made easy with the PERSONA portable LockLink Transfer Device. The device makes it simple to reprogram a lock or download an audit trail of the last 700 events stored inside the lockset. Events include successful and failed access attempts, use of the deadbolt (mortise version only), use of the metal key override (mortise version only), and door position status (mortise version only). All transactions are password protected.

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Corbin Russwin ASSA ABLOY

Access 700 PAC1

Sold through:

Authorized Channel Partner
ASSA ABLOY

Features

ML20700 x PAC1 Mortise Lock



Mortise Lock
ML20700 x PAC1

Integration of Corbin Russwin mechanical locking security with PERSONA offline intelligence, provides an intelligent, One Card solution for economical and effective campus access control. The ML20700 x PAC1 offline locking solution features three operating modes: passage, card only and card plus PIN code, providing scalable security credentials for any door, room or building.

The integrated lockset uses a standard, high coercivity magnetic stripe card, formatted so that card tracks 1 or 3 are open for encoding. Manual key override, a standard feature, provided for fail-safe backup in emergency situations.

Customize access, facilitated by on-board memory, lets you define unlimited access, extended-hours access or no access, by user, by facility, down to the individual lock. Audit trail capable, it also remembers who entered where and when.

Features

- ANSI/BHMA A156.13 Grade 1 mortise lock
- Complete, integrated lockset
- Stand-alone, battery operated lock; no need for expensive wiring
- Optional patented security cylinder — for emergency key override
- EcoFlex technology reduces power consumption by up to 96%
- Patented, quick reversible latchbolt, 2-piece mechanical with anti-friction insert 5/8" (16mm) x 1" (25mm) x 3/4" (19mm). U.S. Patent #6,349,982

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking

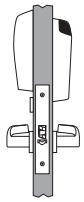
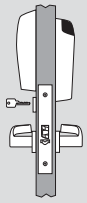
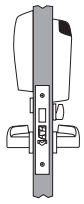
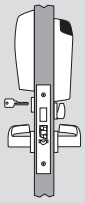
Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw

- 3-hour UL fire rating for maximum security and safety
- All electronics and batteries mounted in inner escutcheon on secure side of door
- Keycard read upon removal ensuring that keycards are not left in the lock
- Available without keypad
- ADA compliant
- 10 year mechanical warranty; 2 year electrical component warranty

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Functions

ML20700 x PAC1 Mortise Lock

Outside / Inside	Series/Function	Type	Function Description
	ML20733 No Key Override No Deadbolt	Entry	• Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user credential entered • No deadbolt function
	ML20734 With Key Override No Deadbolt	Entry	• Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user credential entered • Key outside retracts latch
	ML20735 No Key Override With Deadbolt	Entry	• Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user credential entered • When deadbolt thrown, outside lever operable only with certain authorized credentials
	ML20736 With Key Override and Deadbolt	Entry	• Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user credential entered • Key outside projects or retracts deadbolt and retracts latch • When deadbolt projected, outside lever operable only with certain authorized credentials, or key (key retracts deadbolt and latch)

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Corbin Russwin ASSA ABLOY

Access 700 PAC1

Sold through:

Authorized Channel Partner
ASSA ABLOY

Technical Features

ML20700 x PAC1 Mortise Lock

Technical Data

Power Supply:	6 AA alkaline batteries
Voltage (max/min):	9 VDC / 6.0 VDC
Expected Battery Life:	1-3 years based on usage
Card Track:	Standard track 3, optional track 1
Card Coercivity	HiCo

Monitoring

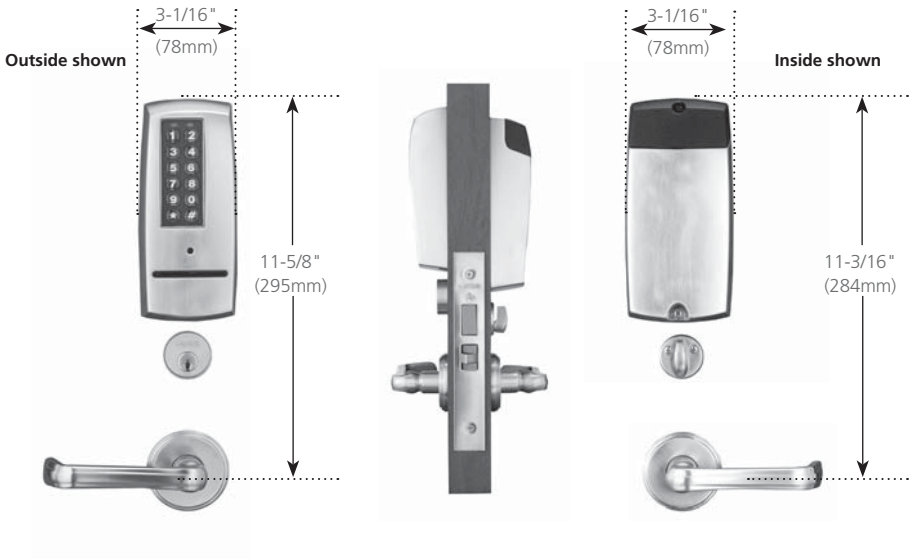
ML20700 x PAC1	Request to Exit (REX); Latchbolt (LX); Dead Bolt (DX); Auxiliary Latchbolt (AX)

Features

Operating Modes	**PIN required:** Specify M808; In addition to card, a 4 digit PIN is required **No PIN required:** Specify M807; Only card is required
Passage Modes	**Automatic:** The door automatically becomes unlocked during any passage mode **Manual:** The door only becomes unlocked after the first card of the day is presented (within a schedule) or might optionally be configured to require two consecutive swipes to toggle the passage state

Inside/Outside Escutcheons

- Keys/buttons overmolded to prevent wear
- Zinc die cast
- Operating temperature -40°F (-40°C) to 135°F (57°C)
- LED's indicate valid/invalid entries
- Escutcheon projection 1-11/16" (43mm)



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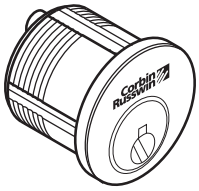
Cylinders

ML20700 x PAC1 Mortise Lock

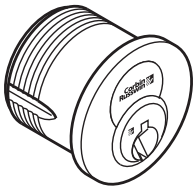
Cylinders

- Conventional (standard)
- Pyramid (optional)
- Interchangeable Core (IC)
- 2 nickel silver keys
- Finishes: See Key Systems and Pyramid

Conventional
(Fixed Core)



Interchangeable Core
(IC)



Pyramid Shown

Cylinder Quick Codes

Mortise Cylinder Type	Keyed Functions for 1-3/4" Door
Pyramid High Security (PHS)	1020-114-A01
Pyramid High Security Interchangeable Core (PCHS)	1030-114-A01
Pyramid Security (PS)	1027-114-A01
Pyramid Security IC (PCS)	1037-114-A01
Conventional 6-pin	1000-118-A01
7-pin (7P)	1000-114-A01
6-pin IC (C6)	1080-114-A01
7-pin IC (C7)	1080-112-A01-7
Security IC (CHS)	1090-114-A01
Security (HS)	1010-118-A01

For complete Pyramid information and options refer to Key Systems catalog.

To order optional cylinder with lockset, see Quick Codes, page 29.

To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 1000-138-A01 x L4 x 626).

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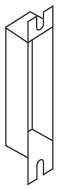
Options & Accessories

ML20700 x PAC1 Mortise Lock

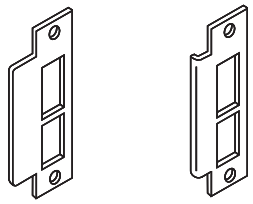
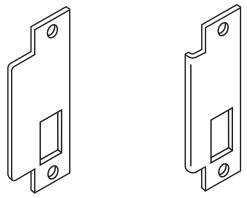
Strikes

ANSI Straight Lip (standard)
Brass, Bronze or Stainless Steel
Non-handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center
Optional lip lengths: 7/8" (22mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-1/2" (38mm),
1-3/4" (44mm), 2" (51mm),
2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

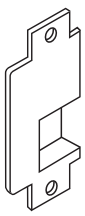
ANSI Curved Lip
Brass, Bronze or Stainless Steel
Handed 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center
Optional lip lengths: 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm),
3" (76mm)



ANSI Wrought Strike Box
To order with lockset; see Quick Codes, pg. 11.
To order separately, specify 120F768.

		Part No.	Description
Latchbolt X Deadbolt		236L72	Straight Lip
		340L60	Curved Lip for RH, LHR
		340L61	Curved Lip for LH, RHR
Latchbolt Only		236L73	Straight Lip
		340L62	Curved Lip for RH, LHR
		340L63	Curved Lip for LH, RHR

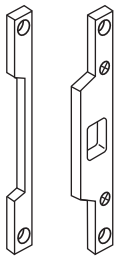
To order strike with lockset, see Quick Codes, page 11. To order strike separately, specify Part No. x Lip Length x Finish (e.g., 340L60 x 1-1/2" x 626).



Open Back
Size: 5-1/4" (133mm) x 1-1/4" (32mm)

Hand	Door Thickness	Part
LHR	1-3/4" (44mm)	411L63016
	2" (51mm)	411L63018
	2-1/4" (57mm)	411L63020
RHR	1-3/4" (44mm)	411L62016
	2" (51mm)	411L62018
	2-1/4" (57mm)	411L62020

To order with lockset; see Quick Codes, pg. 11.
To order separately, specify Part No. x Door Thickness x Finish (e.g., 411L62 x 2" x 626).



Rabbeted Front and Strike
Brass or bronze. For 1/2" (13mm) rabbet.
No optional lip lengths.

	Part No.	Hand
Latchbolt x deadbolt	318F66 318F69	RH/LHR LH/RHR
Latchbolt only	318F64 318F67	RH/LHR LH/RHR

To order with lockset; see Quick Codes, page 11.
To order separately, specify Part No. x Finish (e.g., 318F66 x 626).

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Sold through:

Authorized Channel Partner
ASSA ABLOY

Access 700 PAC1

Corbin Russwin ASSA ABLOY

Quick Codes

ML20700 x PAC1 Mortise Lock

Cylinders and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less Cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with Temporary Construction Core	
Red	CT6R
Blue	CT6B
Green	CT6G
CI 6-pin Less Core	CL6
SFIC 6-pin with Less Core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin	C7
IC 7-pin with Temporary Construction Core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin Less Core	CL7
SFIC 7-pin with Less Core	CLS7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
Security	HS
Security IC	CHS
Pyramid Fixed Core	PHS
Pyramid IC	PCHS
Pyramid IC Less Core	CLP
Pyramid with Temporary Construction Core	CTP
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
Keyed Random (Standard)	KR
Construction Master Keyed (not available for Pyramid)	CMK
Visual Key Control	
- No Keying Data Stamped on Key or Cylinder	VKC0
- Keys Only	VKC1
- Cylinders and Keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders Only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed Key Control (CKC)	
- CKC Cylinders with VKC Keys	CKC2
- CKC Cylinders Only (not for PHS, PCHS)	CKC3
2 Keys per Lock	(standard)
More than 2 Keys	KY# (e.g., KY6)

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613[1]
Dark Oxidized Satin Bronze - Equivalent	613E
Dark Oxidized Satin Bronze, Clear Coated	613L
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with *MicroShield*®	626C
Bright Stainless Steel	629[3]
Satin Stainless Steel	630[3]
Satin Stainless Steel with *MicroShield*	630C
Black Oxidized Bronze, Oil Rubbed	722[2]
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

[1] New, March 2007
[2] Formerly 613 prior to March 2007
[3] Escutcheon finished to match 629, 630 finish

Miscellaneous Options

Description	Specify
Torx® head screws	M04
ANSI wrought strike box	M17
Knurling outside and inside*	M20
Knurling outside only*	M21
Knurling inside only	M22
Abrasive coat outside and inside*	M23
Abrasive coat inside only*	M24
Abrasive coat outside only	M25

*not available with Vineyard™ or Muséo® levers.

Door Thickness

Description	Specify
1-3/4" (44mm)	std
1-7/8" (48mm)	D178
2" (51mm)	D200
2-1/8" (54mm)	D218
2-1/4" (57mm)	D214

Consult factory for door thicknesses greater than 2-1/4

Credential Quick Codes

Description	Specify
Magstripe Only	M807
Keypad & Magstripe	M808

Strikes

ANSI Lip to Center	ANSI Straight Lip Specify	Curved Lip Specify
7/8" (22mm)	SS078	N/A
1-1/8" (29mm)	(standard)	N/A
1-1/4" (32mm)	SS114	SA114
1-3/8" (35mm)	SS138	SA138
1-1/2" (38mm)	SS112	SA112
1-3/4" (44mm)	SS134	SA134
2" (51mm)	SS200	SA200
2-1/4" (57mm)	SS214	SA214
2-1/2" (64mm)	SS212	SA212
2-3/4" (70mm)	SS234	SA234
3" (76mm)	SS300	SA300
Open Back Strike	Door Thickness	Specify
	1-3/4" (44mm)	SB134
	2" (51mm)	SB200
	2-1/4" (57mm)	SB214
Rabbeted front and strike - Specify		SR118

Handing

Hand	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR

45116-2/19

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Corbin Russwin ASSA ABLOY

Access 700 PAC1

Sold through:

Authorized Channel Partner
ASSA ABLOY

How to Order

ML20700 x PAC1 Mortise Lock

Ordering Examples

Stock Order

Quantity	Series/Function	Technology Code	Trim	Finish	Hand	Credential Quick Code
24	ML20736	TCPAC1	LWA	626	RHR	M808

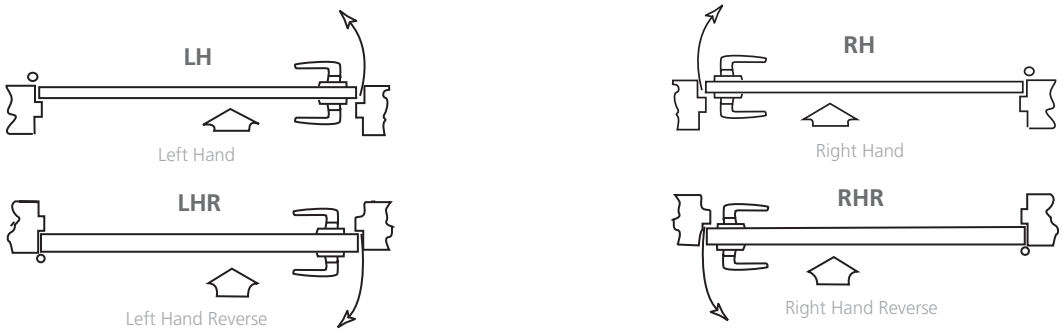
Split Trim/Finish Order

Quantity	Series/ Function	Technology Code	Trim		Finish		Hand	Credential Quick Code
			Outside	Inside	Outside	Inside		
24	ML20735	TCPAC1	CSA	CSA	626	606	RHR	M808

Contract/Detailed Order

Quantity	Keyset	Series/ Function	Technology Code	Trim	Finish	Hand	Door Thickness	Optional Strike	Optional Cylinder	Key-ing	Credential Quick Code
24	AA1	ML20734	TCPAC1	111X	626	RHR	D214	SA200	PS	VKC3	M808

Handing



Note: Arrow indicates security side of door.

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How to Order

ML20700 x PAC1 Mortise Lock

Mortise Locksets

Function	Trim										Finish	Hand
	Standard			Muséo®						Vineyard™		
ML20733											605	RH
ML20734	ASA	ASB	ASF	102V	102U	102T	102Y	102X	102W	FSG	606	RHR
ML20735	NSA	NSB	NSF	103V	103U	103T	103Y	103X	103W	MSG	611	LH
ML20736	PSA	PSB	PSF	104V	104U	104T	104Y	104X	104W	TSG	612	LHR
	CSA	CSB	CSF	124V	124U	124T	124Y	124X	124W	ZSG	613	
	DSA	DSB	DSF	125V	125U	125T	125Y	125X	125W		618	
	ESA	ESB	ESF	106V	106U	106T	106Y	106X	106W		619	
	LSA	LSB	LSF	107V	107U	107T	107Y	107X	107W		625	
	RSA	RSB	RSF	108V	108U	108T	108Y	108X	108W		626	
				109V	109U	109T	109Y	109X	109W		722	
				110V	110U	110T	110Y	110X	110W		626C	
				123V	123U	123T	123Y	123X	123W			
				128V	128U	128T	128Y	128X	128W			
				129V	129U	129T	129Y	129X	129W			
				111V	111U	111T	111Y	111X	111W			
				112V	112U	112T	112Y	112X	112W			
				114V	114U	114T	114Y	114X	114W			
				115V	115U	115T	115Y	115X	115W			
				116V	116U	116T	116Y	116X	116W			
				130V	130U	130T	130Y	130X	130W			
				131V	131U	131T	131Y	131X	131W			
				132V	132U	132T	132Y	132X	132W			
				117V	117U	117T	117Y	117X	117W			
				126V	126U	126T	126Y	126X	126W			
				119V	119U	119T	119Y	119X	119W			
				121V	121U	121T	121Y	121X	121W			
				127V	127U	127T	127Y	127X	127W			
				21LV	21LU	21LT	21LY	21LX	21LW			
				21MV	21MU	21MT	21MY	21MX	21MW			
				21SV	21SU	21ST	21SY	21SX	21SW			
				23MV	23MU	23MT	23MY	23MX	23MW			
				25MV	25MU	25MT	25MY	25MX	25MW			

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Corbin Russwin ASSA ABLOY

Access 700 PAC1

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Available Trim Options

ML20700 x PAC1 Mortise Lock

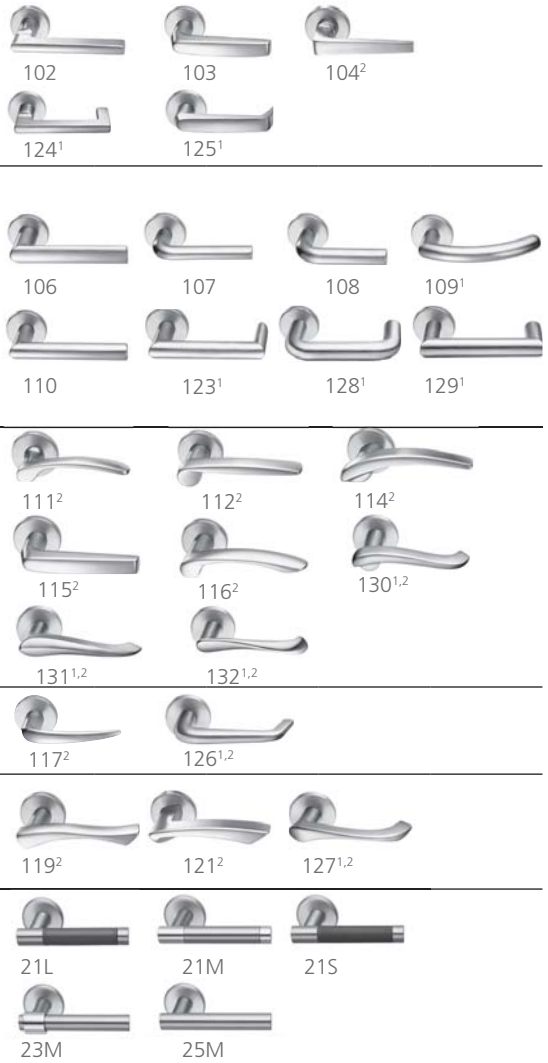
Standard Lever	A Rose	B Rose	F Rose
Armstrong	ASA	ASB	ASF
Newport	NSA	NSB	NSF
Princeton	PSA	PSB	PSF
Citation	CSA	CSB	CSF
Dirke	DSA	DSB	DSF
Essex	ESA	ESB	ESF
Lustra	LSA	LSB	LSF
Regis	RSA	RSB	RSF



Vineyard™	G Rose
Frascati	FSG
Merlot	MSG
Tuscany	TSG
Zinfandel	ZSG



Muséo®		V Rose	U Rose	T Rose	Y Rose	X Rose	W Rose
Georgia	102	102V	102U	102T	102Y	102X	102W
	103	103V	103U	103T	103Y	103X	103W
	104	104V	104U	104T	104Y	104X	104W
	124	124V	124U	124T	124Y	124X	124W
	125	125V	125U	125T	125Y	125X	125W
Salvador	106	106V	106U	106T	106Y	106X	106W
	107	107V	107U	107T	107Y	107X	107W
	108	108V	108U	108T	108Y	108X	108W
	109	109V	109U	109T	109Y	109X	109W
	110	110V	110U	110T	110Y	110X	110W
	123	123V	123U	123T	123Y	123X	123W
	128	128V	128U	128T	128Y	128X	128W
	129	129V	129U	129T	129Y	129X	129W
Marc	111	111V	111U	111T	111Y	111X	111W
	112	112V	112U	112T	112Y	112X	112W
	114	114V	114U	114T	114Y	114X	114W
	115	115V	115U	115T	115Y	115X	115W
	116	116V	116U	116T	116Y	116X	116W
	130	130V	130U	130T	130Y	130X	130W
	131	131V	131U	131T	131Y	131X	131W
	132	132V	132U	132T	132Y	132X	132W
Pablo	117	117V	117U	117T	117Y	117X	117W
	126	126V	126U	126T	126Y	126X	126W
Jackson	119	119V	119U	119T	119Y	119X	119W
	121	121V	121U	121T	121Y	121X	121W
	127	127V	127U	127T	127Y	127X	127W
Piet	21L	21LV	21LU	21LT	21LY	21LX	21LW
	21M	21MV	21MU	21MT	21MY	21MX	21MW
	21S	21SV	21SU	21ST	21SY	21SX	21SW
	23M	23MV	23MU	23MT	23MY	23MX	23MW
	25M	25MV	25MU	25MT	25MY	25MX	25MW



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available in 32D or 32 finish.

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Sold through:

Authorized Channel Partner
ASSA ABLOY

Access 700 PAC1

Corbin Russwin ASSA ABLOY

Available Trim Options

ML20700 x PAC1 Mortise Lock



Grooved Insert
21G



Leather Insert
21L



Polished with Satin Insert
21M



Santoprene™ Insert
21S



With Raised Band
23M



Plain
25M



Plain with Two Grooves
27M

Piet Finish Codes

Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
613E	3E	Dark Oxidized Satin Bronze, Equivalent
BSP	BS	Black Suede Powder Coat
WSP	WS	White Suede Powder Coat
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	303030, 292929, 293029, 302930, 3E003E, BS00BS OR WS00WS
21L	Leather Insert	30BK30, 30BN30, 29BK29, 29BN29, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS OR WSBNWS
21M	Metallic Insert	293029** or 303030
21S	Santoprene Insert	30BK30, 29BK29, 3E003E, BS00BS or WS00WS
23M	Raised Band	290030, 290029, 300030, 300029, 3E003E, BS00BS OR WS00WS
25M	Plain	290029, 300030, 3E003E, BS00BS or WS00WS
27M	Two Grooves	290029, 300030, 3E003E, BS00BS or WS00WS

**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

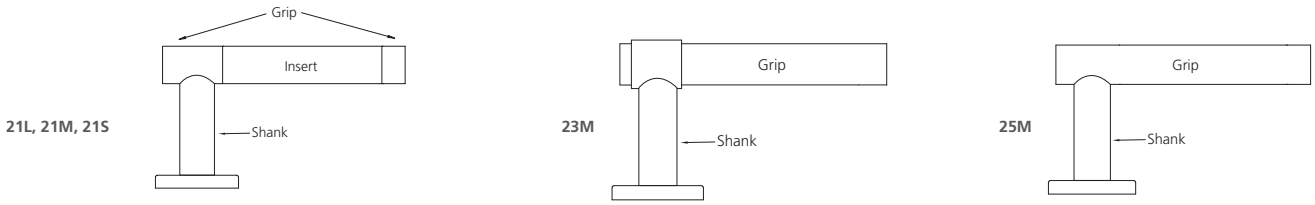
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Sold through:
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ASSA ABLOY

How To Order

ML20700 x PAC1 Mortise Lock

How to Order the Muséo® Piet Lever Collection



Stock Order

Quantity	Series/ Function	Technology Code	Trim	Lever Finish	Lock Finish*	Hand	Credential Quick Code
2	ML20736	TCPAC1	21MV	293029	625	RHR	M808

› Muséo® Piet Lever 21M - Polished with Satin Insert – with V rose
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 625 Lock Finish
› Right hand reverse
› Keypad & Magstripe

Stock Order

Quantity	Series/ Function	Technology Code	Trim	Lever Finish	Lock Finish*	Hand	Credential Quick Code
2	ML20735	TCPAC1	21GU	292929	625	RHR	M808

› 625 Lock Finish
› Right hand reverse
› Keypad & Magstripe

** Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.*

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Sold through:

Authorized Channel Partner
ASSA ABLOY

Access 700 PAC1

Corbin Russwin ASSA ABLOY

Features & Functions

CL33700 x PAC1 Cylindrical Lock





Cylindrical Lock
CL33700 x PAC1

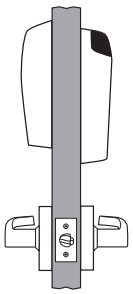
Integration of Corbin Russwin mechanical locking security with PERSONA offline intelligence, provides an intelligent, One Card solution for economical and effective campus access control. The CL33700 x PAC1 offline locking solution features three operating modes: passage, card only and card plus PIN code, providing scalable security credentials for any door, room or building.

The integrated lockset uses a standard, high coercivity magnetic stripe card, formatted so that card tracks 1 or 3 are open for encoding. Manual key override, a standard feature, is provided for fail-safe backup in emergency situations.

Customized access, facilitated by on-board memory lets you define unlimited access, extended-hours access or no access, by user, by facility, down to the individual lock. Audit trail capable, it also remembers who entered where and when.

Features

- ANSI/BHMA A156.2 Grade 1 lock
- Complete, integrated lockset
- Stand-alone, battery operated lock; no need for expensive wiring.
- Optional patented security cylinder – for emergency key override
- Stainless steel deadlocking latchbolt x 1/2" throw
- 3-hour UL fire rating for maximum security and safety
- All electronics and batteries mounted in inner escutcheon on secure side of door
- Keycard read upon removal ensuring that keycards are not left in the lock
- Available without keypad
- ADA compliant
- 7 year mechanical warranty; 2 year electrical component warranties

Outside / Inside	Series/Function	Type	Function Description
	CL33734 With Cylinder	Entry	• Latch retracted by inside lever at all times • Key outside retracts latch • Outside lever locked (free-wheeling) except when in "passage" mode or valid user code entered

45116-2/19

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Corbin Russwin ASSA ABLOY

Access 700 PAC1

Sold through:

Authorized Channel Partner
ASSA ABLOY

Technical Features

CL33700 x PAC1 Cylindrical Lock

Technical Data

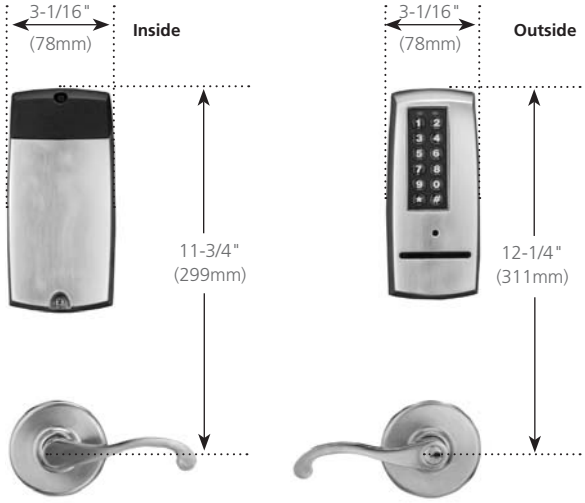
Power Supply:	6 AA alkaline batteries
Voltage (max/min):	9 VDC / 6.0 VDC
Expected Battery Life:	1-3 years based on usage
Card Track:	Standard track 3, optional track 1
Card Coercivity	HiCo

Features

Operating Modes	**PIN required:** Specify M808; In addition to card, a 4 digit PIN is required **No PIN required:** Specify M807; Only card is required
Passage Modes	**Automatic:** The door automatically becomes unlocked during any passage mode **Manual:** The door only becomes unlocked after the first card of the day is presented (within a schedule) or might optionally be configured to require two consecutive swipes to toggle the passage state

Escutcheons

- Zinc die cast
- Tactile keypad
- Operating temperature -40°F (-40°C) to 135°F (57°C)
- LED's indicate valid/invalid entries
- Keys/buttons overmolded to prevent wear
- Escutcheon projection 1-11/16" (43mm)

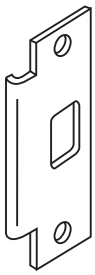


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Options & Accessories

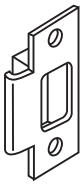
CL33700 x PAC1 Cylindrical Lock

Strikes



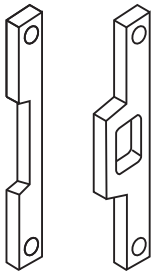
ANSI Curved Lip (standard)
Brass or stainless steel,
4-7/8" (124mm) x 1-1/4" (32mm) x
1-1/4" (32mm) lip to center.
Optional lip lengths: 1" (25mm),
1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm),
1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm),
2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm).

- To order with lockset, see Quick Codes on next page.
- To order separately, specify 217L13 x Lip Length x Finish.



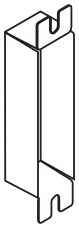
Curved Lip Box
Brass, 2-3/4" (70mm) x 1-1/8" (29mm)
x 1-1/4" (32mm) lip to center.
Optional lip lengths: 1" (25mm), 1-1/8" (29mm),
1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm),
2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm),
2-3/4" (70mm), 3" (76mm).

- To order with lockset, see Quick Codes on next page.
- To order separately, specify 586L19 x Lip Length x Finish.



Rabbeted Front and Strike
Brass, 4" (102mm) x 5/8"
(16mm) for 1/2" (13mm) rabbet.
No optional lip lengths.

- To order with lockset, see Quick Codes on next page.
- To order separately, specify 601F28 x Finish.



ANSI Wrought Strike Box

- To order with lockset, see Quick Codes on next page.
- To order separately, specify 120F768.

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Corbin Russwin ASSA ABLOY

Access 700 PAC1

Sold through:

Authorized Channel Partner
ASSA ABLOY

Quick Codes

CL33700 x PAC1 Cylindrical Lock

Cylinders and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less Cylinder(s)	LC
Security	HS
Security IC	CHS
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid with Temporary Construction Core	CTP
Pyramid Less Core	CLP
IC 6-pin	C6
IC 6-pin with Temporary Construction Core	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 6-pin Less Core	CL6
IC 7-pin	C7
IC 7-pin with Temporary Construction Core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin Less Core	CL7
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
SFIC 6- or 7-pin Small Format Disposable Core	CTSD
0-Bitted with 2 Blank Keys	(standard)
Keyed Random	KR
Construction Master Keyed	CMK
Visual Key Control (VKC)	
- No Bitting or Keyset Stamping on Keys	VKC0
- Keys Only	VKC1
- Cylinders and Keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders Only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed Key Control (CKC)	
- CKC Cylinders with VKC Keys	CKC2
- CKC Cylinders Only (not for PHS, PCHS)	CKC3
2 Keys per Lock	(standard)
More than 2 Keys	KY# (e.g., KY6)
Schlage® C Keyway cylinder[1]	C
Schlage® LA Keyway cylinder[2]	LA

1 Available 0-bitted & keyed random (KR) only
2 Available 0-bitted only

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E
Dark Oxidized Satin Bronze, Clear Coated	613L
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Black Oxidized Bronze, Oil Rubbed	722
Satin Chrome with MicroShield®	626C
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

Miscellaneous Options

Description	Specify
Torx® head screws	M04
Less cylinder, with tailpiece for Schlage® cylinder	M06
Lever to accept Best® type core (NZD & PZD designs only)	M08
Lever to accept SARGENT® cylinder (NZD & PZD design only)	M09
Rounded corners on latch front	M13
3/4" (19mm) throw fire latch	M16
ANSI wrought strike box	M17
Knurling outside and inside	M20
Knurling outside only	M21
Knurling inside only	M22
Abrasive coat outside and inside	M23
Abrasive coat inside only	M24
Abrasive coat outside only	M25
Lever to accept Schlage® interchangeable core (NZD & PZD design only)	M69

Door Thickness

Door Thickness	Specify
1-3/4" (44mm) - 2" (51mm)	(standard)
2" (51mm) - 2-1/4" (57mm)	D214

Credential Quick Codes

Description	Specify
Magstripe Only	M807
Keypad & Magstripe	M808

Strikes

Lip to Center	ANSI Curved Lip Specify	Curved Lip Box Specify
1" (25mm)	SA100	SC100
1-1/8" (29mm)	SA118	SC118
1-1/4" (32mm)	(standard)	SC114
1-3/8" (35mm)	SA138	SC138
1-1/2" (38mm)	SA112	SC112
1-3/4" (44mm)	SA134	SC134
2" (51mm)	SA200	SC200
2-1/4" (57mm)	SA214	SC214
2-1/2" (64mm)	SA212	SC212
2-3/4" (70mm)	SA234	SC234
3" (76mm)	SA300	SC300
Rabbeted front and strike		Specify SR118

Handing

Hand	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Backset

Description	Specify
2-3/4" (70mm)	(standard)
3-3/4" (95mm)	B334
5" (127mm)	B500

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How to Order

CL33700 x PAC1 Cylindrical Lock

Ordering Examples

Stock Order

Quantity	Series/Function	Technology Code	Trim	Finish	Hand	Credential Quick Code
24	CL33734	TCPAC1	NZD	626	RHR	M808

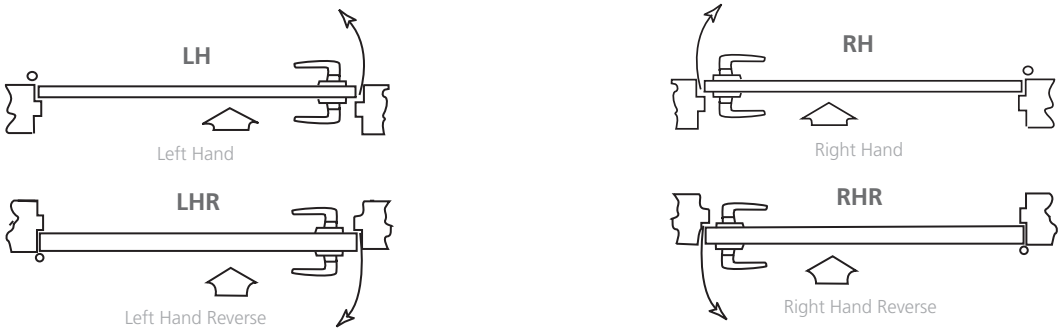
Split Trim/Finish Order

Quantity	Series/ Function	Technology Code	Trim		Finish		Hand	Credential Quick Code
			Outside	Inside	Outside	Inside		
24	CL33734	TCPAC1	NZD	AZD	626	625	LH	M808

Contract/Detailed Order

Quantity	Keyset	Series/ Function	Technology Code	Trim	Finish	Hand	Door Thickness	Optional Strike	Optional Cylinder	Keying	Credential Quick Code
24	AA1	CL33734	TCPAC1	FZD	626	RHR	D214	SA200	PS	VKC3	M808

Handing



Note: Arrow indicates security side of door.

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Corbin Russwin ASSA ABLOY

Access 700 PAC1

Sold through:

Authorized Channel Partner
ASSA ABLOY

How to Order & Lever Trim Designs

CL33700 x PAC1 Cylindrical Lock

Cylindrical Locksets

Function	Trim	Finish	Hand	Backset
CL33734	Standard	605	RH	(standard)
	AZD	606	RHR	B334
	NZD	611	LH	B500
	PZD	612	LHR	
	FZD	613		
		618		
		619		
		625		
		626		
		722		
		626C		
		BSP		
		WSP		

Standard

Lever	D Rose
Armstrong	AZD
Newport	NZD
Princeton	PZD



Armstrong



Newport*



Princeton*

Vineyard™

	D Rose
Frascati	FZD



Frascati

*Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

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Sold through:

Authorized Channel Partner
ASSA ABLOY

Access 700 PAC1

Corbin Russwin
ASSA ABLOY

Features

ED5000N 9700 x PAC1 Exit Device



Integration of Corbin Russwin life safety mechanical exit devices with PERSONA offline intelligence, provides an intelligent, One Card solution for economical and effective campus access control. The ED5000N x 9700 x PAC1 offline locking solution features three operating modes: passage, card only and card plus PIN code, providing scalable security credentials for any door, room or building.

The integrated lockset uses a standard, high coercivity magnetic stripe card, formatted so that card tracks 1 or 3 are open for encoding. Manual key override, a standard feature is provided for fail-safe backup in emergency situations.

Customized access, facilitated by on-board memory lets you define unlimited access, extended-hours access or no access, by user, by facility, down to the individual lock. Audit trail capable, it also remembers who entered where and when.



Exit Device
ED5000N x 9700 x PAC1

Features

- ANSI/BHMA A156.3 Grade 1 Exit Device
- Complete, integrated lockset
- Stand-alone, battery operated lock; no need for expensive wiring
- Optional patented security cylinder — for emergency key override
- 3-hour UL fire rating for maximum security and safety
- All electronics and batteries mounted in inner escutcheon on secure side of door
- Keycard read upon removal ensuring that keycards are not left in the lock
- Available without keypad
- EcoFlex technology reduces power consumption by up to 95%
- ADA compliant
- 5 year mechanical warranty; 2 year electrical component warranty



SECUREBOLT®

Featuring SecureBolt®
locking security



Exit Device
ED5600N x PAC1

45116-2/19

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Corbin Russwin ASSA ABLOY

Access 700 PAC1

Sold through:

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ASSA ABLOY

Technical Features

ED5000N 9700 x PAC1 Exit Device

Technical Data

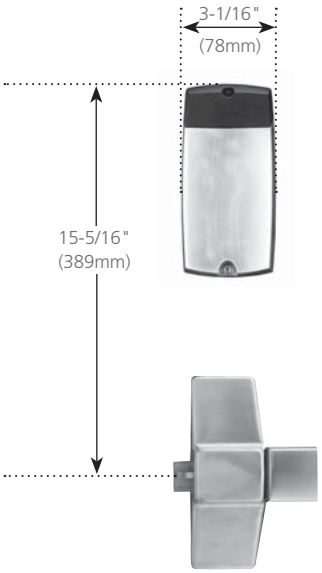
Power Supply:	6 AA alkaline batteries
Voltage (max/min):	9 VDC / 6.0 VDC
Expected Battery Life:	1-3 years based on usage
Card Track:	Standard track 3, optional track 1
Card Coercivity	HiCo

Features

Operating Modes	**PIN required:** Specify M808; In addition to card, a 4 digit PIN is required **No PIN required:** Specify M807; Only card is required
Passage Modes	**Automatic:** The door automatically becomes unlocked during any passage mode **Manual:** The door only becomes unlocked after the first card of the day is presented (within a schedule) or might optionally be configured to require two consecutive swipes to toggle the passage state

Secure Side of Door

Rim/SecureBolt®, Mortise

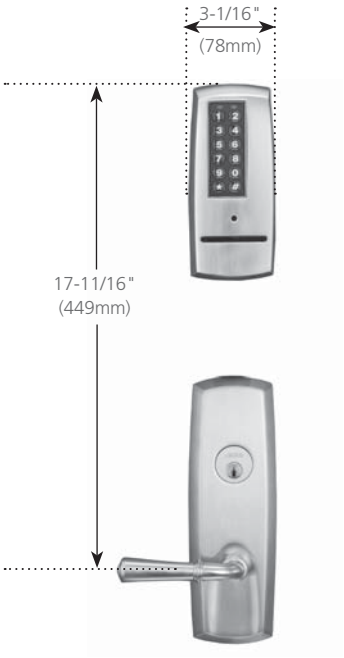


Reader Escutcheon

- Zinc die cast
- Projection at top 1-5/8" (41mm)

Lever Escutcheon

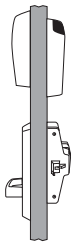
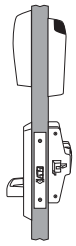
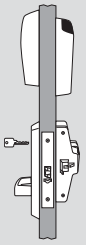
- Brass cast
- Operating temperature -40°F (-40°C) to 135°F (57°C)
- LEDs indicate valid/ invalid credential



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Functions

ED5000N 9700 x PAC1 Exit Device

Inside	Outside	Series/Function	Type	Function Description
		ED5200(A)N & ED5200S(A)N x 9733 x PAC1 No Key Override	Entry	• Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when in passage mode or valid user code entered
		ED5200(A)N & ED5200S(A)N x 9734 x PAC1 With Key Override	Entry	• Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when in passage mode or valid user code entered • Outside cylinder override allows lever to retract latch
		ED5633(A)LN x 9M733 x PAC1 No Key Override	Entry	• Latch retracted by inside push pad at all times • Outside lever rigid except when in passage mode or valid user code entered
		ED5634(A)LN x 9M734 x PAC1 With Key Override	Entry	• Latch retracted by inside push pad at all times • Outside lever rigid except when in passage mode or valid user code entered • Outside cylinder override retracts latch

45116-2/19

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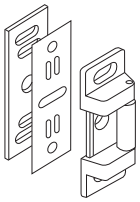
Sold through:
Authorized Channel Partner
ASSA ABLOY

Option & Accessories

ED5000N 9700 x PAC1 Exit Device

Rim Strike

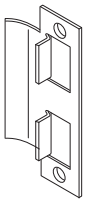
(Screws Included)



SecureBolt®, Fire-Rated Rim and Rim Strike

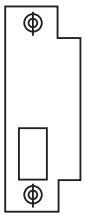
Standard on ED5200SN, ED5200S(A)N, ED5200(A)N and ED5200N devices. Supplied with locking plate and two 1/16" (1.6mm) shims.
For doors with 1/2" (13mm) or 5/8" (16mm) stop. Adjustable to compensate for shrinkage and swelling of door.
3-1/2" x 1-1/4" (99mm x 32mm).
Black finish only. To order separately specify 650F30-8.

Mortise Strikes



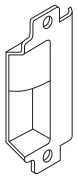
Mortise Strike

Standard on ED5600(A)N Series.
Non-handed, ANSI curved lip, 4-7/8" x 1-1/4" x 1-1/4" (124mm x 32mm x 32mm) lip to center. To order separately, specify 650L657020.



Mortise Strike for Pairs of Doors with Astragal

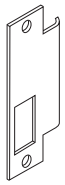
Optional for use with ED5600(A)N Series devices where an astragal is to be installed. Non-handed, ANSI straight lip, 4-7/8" x 1-1/4" x 7/8" (124mm x 32mm x 22mm) lip to center. To order with exit device, specify SS078. To order separately, specify 653L157014.



Open Back Strike

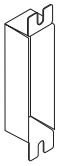
Optional for use with ED5600N x vertical rod devices on a pair of doors. Non-handed, 4-7/8" x 1-1/4" (124mm x 32mm). To order with exit device, specify SB134 for 1-3/4" doors, SB214 for 2-1/4" doors. To order separately, specify Part No. listed below.

Door Thickness	Type	Part No.
1-3/4" (44mm)	Curved lip	653L183016
	Straight lip	653L163016
2-1/4" (57mm)	Curved lip	653L183020
	Straight lip	653L163020



Mortise Strike

Standard on ED5600N and ED5600(A)N devices on 2" (51mm) (D200) and 2-1/4" (57mm) (D214) thick doors. Handed ANSI curved lip, 4-7/8" x 1-1/4" x 1-1/2" (124mm x 32mm x 38mm) lip to center. To order separately, specify 656L677024 for RH, 656L687024 for LH.



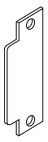
ANSI Wrought Strike Box

Optional for use with ED5600N and ED5600AN devices. To order with exit device, specify M17. To order separately, specify 120F76-8.

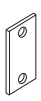
Filler Plates



Optional for use on stock metal doors when required. To order, specify 334F99-8 600.



Optional for use on stock metal doors when required. To order, specify 236L708018 x Fin.



Optional for use on stock metal doors when required. To order, specify 077F19-8 600.

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Sold through:

Authorized Channel Partner
ASSA ABLOY

Access 700 PAC1

Corbin Russwin ASSA ABLOY

Quick Codes

ED5000N 9700 x PAC1 Exit Device

Cylinders and Keying

Description	Specify
Conventional 6-pin	6P
Conventional 7-pin	7P
Less Cylinder(s)	standard
IC 6-pin	C6
IC 6-pin with Temporary Construction Core Red Blue Green	 CT6R CT6B CT6G
IC 6-pin Less Core	CL6
SFIC 6-pin with Less Core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin	C7
IC 7-pin with Temporary Construction Core Red Blue Green	 CT7R CT7B CT7G
IC 7-pin Less Core	CL7
SFIC 7-pin with Less Core	CLS7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
Security	HS
Security IC	CHS
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid with Temporary Construction Core	CTP
Pyramid IC Less Core	CLP
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
0-bitted with 2 Blank Keys	Standard with Cylinder
Keyed random	KR
Construction Master Keyed (not available for Pyramid)	CMK
Visual Key Control (VKC)	
- No Keying Data Stamped on Key or Cylinder	VKC0
- Keys Only	VKC1
- Cylinders and Keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders Only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed Key Control (CKC) - CKC Cylinders with VKC Keys	 CKC2
- CKC Cylinders Only (not for PHS, PCHS)	CKC3
2 Keys per Cylinder	standard
Other than 2 Keys	KY# (e.g., KY6)

Finishes

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E
Dark Oxidized Satin Bronze, Clear Coated	613L
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Polished Stainless Steel*	629
Satin Stainless Steel*	630
Satin Stainless Steel with *MicroShield**	630C
Black Oxidized Bronze, Oil Rubbed	722
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

*Lever only. Escutcheons plated to match.

Miscellaneous Options

Description	Specify
Torx® Head Screws	M04
ANSI wrought strike box (mortise)	M17
Knurling outside & inside (embossed touchbar - device side)*	M20
Knurling outside only (trim side)*	M21
Knurling inside only (embossed touchbar - device side)	M22
Abrasive coat outside and inside (trim and device)*	M23
Abrasive coat inside only (device side)	M24
Abrasive coat outside only (trim side)*	M25
Less dogging	M51
Cylinder dogging	M52
Sex nuts and bolts (SNBs)	M54
Shim kit (for vision light)	M58
Wood screws for use on fire-rated solid wood or wood core doors	M64

*not available with Vineyard™ or Museo® levers.

Door Thickness

Door Thickness	Specify
1-3/4" (44mm)	standard
2" (51mm)	D200
2-1/4" (57mm)	D214

Door Width

Door Width	Specify
24" (610mm)	W024
36" (914mm)	standard
48" (1219mm)	W048

Credential Quick Codes

Description	Specify
Magstripe Only	M807
Keypad & Magstripe	M808

Strikes

Description	Specify
Mortise ANSI strike for pairs of doors with astragal	SS078
Open back strike for 1-3/4" doors	SB134
Open back strike for 2-1/4" doors	SB214

Handing

Hand	Specify
Right Hand Reverse	RHR
Left Hand Reverse	LHR

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Corbin Russwin ASSA ABLOY

Access 700 PAC1

Sold through:

Authorized Channel Partner
ASSA ABLOY

How to Order

ED5000N 9700 x PAC1 Exit Device

Ordering Examples

Exit Device Only

Quantity	Function	Technology Code	Finish	Hand
12	ED5200N	TCPAC1	626	LH

Trim Only

Quantity	Trim/Function	Technology Code	Finish	Hand	Credential Quick Code
24	N9733	TCPAC1	625	RHR	M808

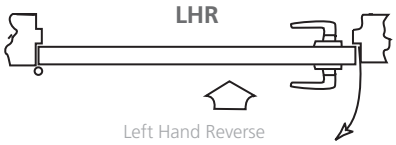
Exit Device with Trim

Quantity	Exit Device	Trim/ Function	Technology Code	Finish	Hand	Cylinder Option	Door Thickness	Optional Strike	Door Width	Misc. Options	Credential Quick Code
65	ED5633ALN	F9M734	TCPAC1	605	LHR	6P	D200	SB134	W048	M51-M54	M808

Contract/Detailed Order - Rim Exit Device with Trim

Quantity	Keyset	Exit Device	Trim/Function	Technology Code	Finish	Hand	Door Width	Credential Quick Code	Cylinder Option
36	AA1	ED5200N	1149734	TCPAC1	605	LHR	W048	M808	PS

Handing



Left Hand Reverse



Right Hand Reverse

Note: Arrow indicates security side of door.

Exit Devices

Exit Device	Function	Trim						Finish	Hand
		Standard	Muséo®				Vineyard™		
ED5200(A)	9733	A	102	112	125	21L	FR	605	RHR
ED5202(A)	9734	N	103	114	126	21M	M	606	LHR
ED5633(A)	9M733	PR	104	115	127	21S	TS	611	
ED5634(A)	9M734	C	106	116	128	23M	Z	612	
		D	107	117	129	25M		613	
		E	108	119	130			618	
		L	109	121	131			619	
		R	110	123	132			625	
			111	124				626	
								626C	
								722	
								BSP	
								WSP	

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Sold through:

Authorized Channel Partner
ASSA ABLOY

Access 700 PAC1

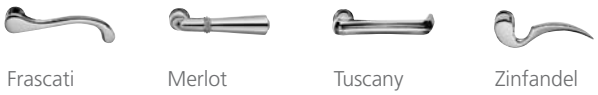
Corbin Russwin ASSA ABLOY

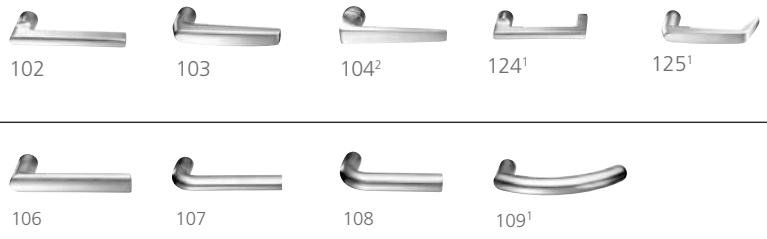
Lever Trim Designs

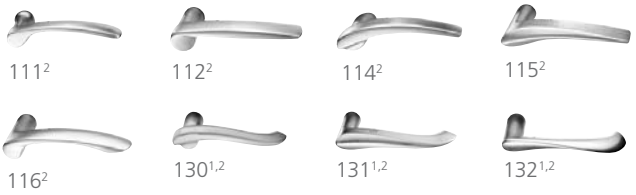
ED5000N 9700 x PAC1 Exit Device

		ED5200 x 9700	ED5600 x 9M700
Standard			
Armstrong		A9700	A9M700
Newport		N9700	N9M700
Princeton		PR9700	PR9M700
Citation		C9700	C9M700
Dirke		D9700	D9M700
Essex		E9700	E9M700
Lustra		L9700	L9M700
Regis		R9700	R9M700
Vineyard			
Frascati		FR9700	FR9M700
Merlot		M9700	M9M700
Tuscany		TS9700	TS9M700
Zinfandel		Z9700	Z9M700
Muséo®			
Georgia	102	1029700	1029M700
	103	1039700	1039M700
	104	1049700	1049M700
	124	1249700	1249M700
	125	1259700	1259M700
Salvador	106	1069700	1069M700
	107	1079700	1079M700
	108	1089700	1089M700
	109	1099700	1099M700
	110	1109700	1109M700
	123	1239700	1239M700
	128	1289700	1289M700
	129	1299700	1299M700
Marc	111	1119700	1119M700
	112	1129700	1129M700
	114	1149700	1149M700
	115	1159700	1159M700
	116	1169700	1169M700
	130	1309700	1309M700
	131	1319700	1319M700
	132	1329700	1329M700
Pablo	117	1179700	1179M700
	126	1269700	1269M700
Jackson	119	1199700	1199M700
	121	1219700	1219M700
	127	1279700	1279M700
Piet	21L	21L9700	21L9M700
	21M	21M9700	21M9M700
	21S	21S9700	21S9M700
	23M	23M9700	23M9M700
	25M	25M9700	25M9M700



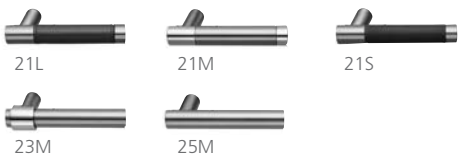












1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available in 32D or 32 finish.

45116-2/19

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Corbin Russwin ASSA ABLOY

Access 700 PAC1

Sold through:

Authorized Channel Partner
ASSA ABLOY

Available Trim Options

ED5000N 9700 x PAC1 Exit Device



Grooved Insert
21G



Leather Insert
21L



Polished with Satin Insert
21M



Santoprene™ Insert
21S



With Raised Band
23M



Plain
25M



Plain with Two Grooves
27M

Piet Finish Codes

Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
613E	3E	Dark Oxidized Satin Bronze, Equivalent
BSP	BS	Black Suede Powder Coat
WSP	WS	White Suede Powder Coat
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	303030, 292929, 293029, 302930, 3E003E, BS00BS OR WS00WS
21L	Leather Insert	30BK30, 30BN30, 29BK29, 29BN29, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS OR WSBNWS
21M	Metallic Insert	293029** or 303030
21S	Santoprene Insert	30BK30, 29BK29, 3E003E, BS00BS or WS00WS
23M	Raised Band	290030, 290029, 300030, 300029, 3E003E, BS00BS OR WS00WS
25M	Plain	290029, 300030, 3E003E, BS00BS or WS00WS
27M	Two Grooves	290029, 300030, 3E003E, BS00BS or WS00WS

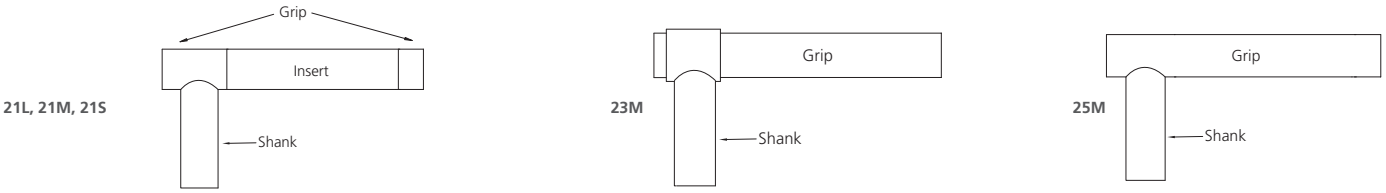
**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

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How to Order

ED5000N 9700 x PAC1 Exit Device

How to Order the Muséo® Piet Lever Collection



Trim Only

Quantity	Trim/ Function	Technology Code	Lever Finish	Lock Finish*	Hand	Credential Quick Code
2	21M9733	TCPAC1	293029	625	RHR	M802

› Muséo® Piet Lever 21M - Polished with Satin Insert
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 625 Lock Finish
› Right hand reverse
› Keypad & Magstripe

Exit Device with Trim

Quantity	Exit Device	Trim/ Function	Technology Code	Lever Finish	Lock Finish*	Hand	Credential Quick Code	Cylinder Option	Door Thickness	Optional Strike	Door Width
2	ED5200N	21G9734	TCPAC1	292929	625	LHR	M808	6P	D200	SB214	W048

Inside:
› 292929 Lever Finish
› 48" wide door

Outside:
› Key Override
› 625 Lock Finish
› Left hand reverse
› 13.56 MHz iCLASS® Proximity reader
› 6 pin cylinder
› 2-1/4" thick door
› Keypad & Magstripe

** Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.*

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Corbin Russwin ASSA ABLOY

Access 700 PAC1

Sold through:

Authorized Channel Partner
ASSA ABLOY

Features

FE66735 x PAC1 Multi-Point Lock



Multi-Point Lock - FE6600 x PAC1

FE6600 Series lock is a multi-point, deadlocking system developed to help protect lives while securing a community shelter and/or safe room entry. Sturdy heavy-duty steel components firmly secure the door within the frame – at top, bottom, and center latch points – fortifying the opening during a windstorm event. The FE6600 Series is UL-listed for FEMA P3-61 (2015), FEMA P3-20 (2014) and ICC 500 (2014) capable of withstanding severe wind speeds and flying debris. This device consists of concealed vertical rods with top and bottom latching complemented by a mortise lock with a latchbolt and deadbolt at the center of the door and an optional indicator to show the status of the top and bottom latches.

The lever rotation retracts the top bolt, the bottom bolt, and center bolts simultaneously. When retracted, the bolts are held in position as the door swings. As the door closes, the hold-back feature engages the frame and the top, center, and bottom bolts project simultaneously. With the deadbolt thrown, this system protects room occupants from threatening conditions. The FE6600 Series device can be used on fire-rated doors.

Mechanical Features

- Certified to ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1
- Motor driven FE6600 Series Mortise Lock
- 1-3/4" thick door only; fully integrated – FE6600 is part of a complete ASSA ABLOY windstorm solution utilizing Ceco StormPro® 361 and Curries StormPro® 361 doors and frames and McKinney® StormPro® hinges
- Stainless steel non-handed deadlocking latch n Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability
- Concealed vertical assembly (rods, latches and cassette) pre-installed in door
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm certification information is listed in the Corbin Russwin FE6600 Series catalog

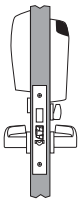
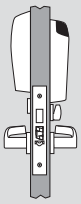
*Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

- All electronics and batteries mounted in inner escutcheon on secure side of door
- Keycard read upon removal ensuring that keycards are not left in the lock
- Available without keypad
- ADA compliant
- 7 year mechanical warranty; 2 year electrical component warranty

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Functions

FE66735 x PAC1 Multi-Point Lock

Outside	Inside	Series/Function	Type	Function Description
		FE66735 No Key Override With Deadbolt	Entry	• Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user credential entered • When deadbolt thrown, outside lever operable only with certain authorized credentials
		FE66736 Key Override With Deadbolt	Entry With Deadbolt	• Key outside retracts deadbolt. Key outside also retracts latch and unlocks outside when trim is locked electronically • Top and bottom rods retracted by lever • Deadbolt projected and retracted by thumbturn or key

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Corbin Russwin ASSA ABLOY

Access 700 PAC1

Sold through:

Authorized Channel Partner
ASSA ABLOY

Technical Features

FE66735 x PAC1 Multi-Point Lock

Technical Data

Power Supply:	6 AA alkaline batteries
Voltage (max/min):	9 VDC / 6.0 VDC
Expected Battery Life:	1-3 years based on usage
Card Track:	Standard track 3, optional track 1
Card Coercivity	HiCo

Monitoring

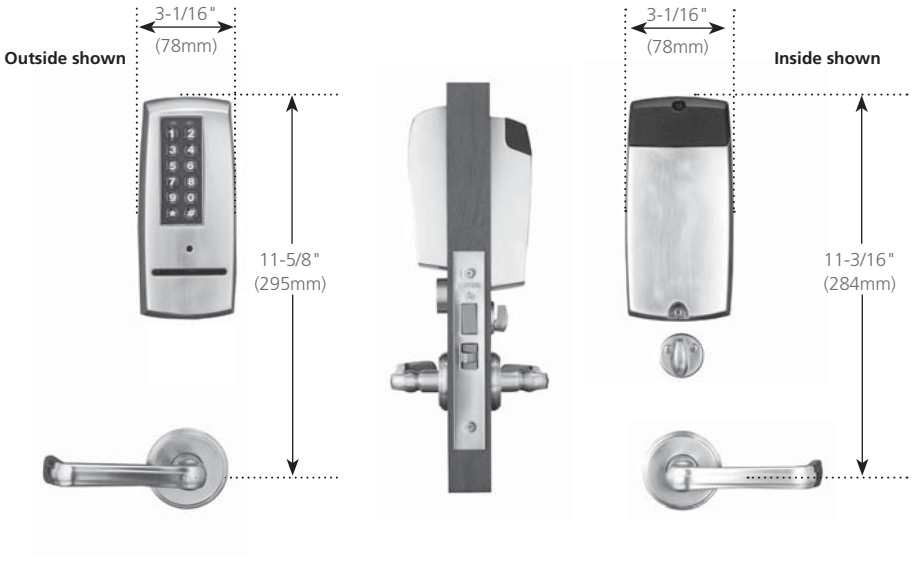
ML20700 x PAC1	Latchbolt (LX); Dead Bolt (DX)

Features

Operating Modes	**PIN required:** Specify M808; In addition to card, a 4 digit PIN is required **No PIN required:** Specify M807; Only card is required
Passage Modes	**Automatic:** The door automatically becomes unlocked during any passage mode **Manual:** The door only becomes unlocked after the first card of the day is presented (within a schedule) or might optionally be configured to require two consecutive swipes to toggle the passage state

Inside/Outside Escutcheons

- Keys/buttons overmolded to prevent wear
- Zinc die cast
- Operating temperature -40°F (-40°C) to 135°F (57°C)
- LED's indicate valid/invalid entries
- Escutcheon projection 1-11/16" (43mm)



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Access 700 PAC1

Corbin Russwin ASSA ABLOY

Quick Codes

FE66735 x PAC1 Multi-Point Lock

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613[1]
Dark Oxidized Satin Bronze - Equivalent	613E
Dark Oxidized Satin Bronze, Clear Coated	613L
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with *MicroShield®*	626C
Bright Stainless Steel	629[3]
Satin Stainless Steel	630[3]
Satin Stainless Steel with *MicroShield*	630C
Black Oxidized Bronze, Oil Rubbed	722[2]
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

[1] New, March 2007
[2] Formerly 613 prior to March 2007
[3] Escutcheon finished to match 629, 630 finish

Credential Quick Codes

Description	Specify
Magstripe Only	M807
Keypad & Magstripe	M808

Handing

Hand	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Miscellaneous Options

Description	Specify
Torx® head screws	M04
ANSI wrought strike box	M17
Knurling outside and inside*	M20
Knurling outside only*	M21
Knurling inside only	M22
Abrasive coat outside and inside*	M23
Abrasive coat inside only*	M24
Abrasive coat outside only	M25

*not available with Vineyard™ or Muséo® levers.

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Lever Trim Designs

FE66735 x PAC1 Multi-Point Lock

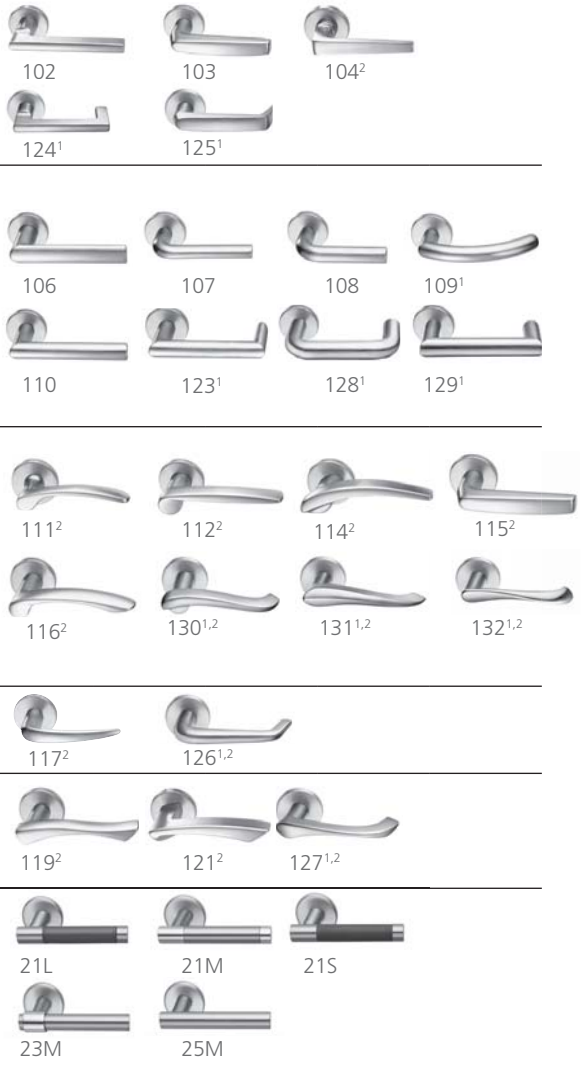
Standard Lever	A Rose	B Rose	F Rose
Armstrong	ASA	ASB	ASF
Newport	NSA	NSB	NSF
Princeton	PSA	PSB	PSF
Citation	CSA	CSB	CSF
Dirke	DSA	DSB	DSF
Essex	ESA	ESB	ESF
Lustra	LSA	LSB	LSF
Regis	RSA	RSB	RSF



Vineyard™	G Rose
Frascati	FSG
Merlot	MSG
Tuscany	TSG
Zinfandel	ZSG



Muséo®		V Rose	U Rose	T Rose	Y Rose	X Rose	W Rose
Georgia	102	102V	102U	102T	102Y	102X	102W
	103	103V	103U	103T	103Y	103X	103W
	104	104V	104U	104T	104Y	104X	104W
	124	124V	124U	124T	124Y	124X	124W
	125	125V	125U	125T	125Y	125X	125W
Salvador	106	106V	106U	106T	106Y	106X	106W
	107	107V	107U	107T	107Y	107X	107W
	108	108V	108U	108T	108Y	108X	108W
	109	109V	109U	109T	109Y	109X	109W
	110	110V	110U	110T	110Y	110X	110W
	123	123V	123U	123T	123Y	123X	123W
	128	128V	128U	128T	128Y	128X	128W
	129	129V	129U	129T	129Y	129X	129W
Marc	111	111V	111U	111T	111Y	111X	111W
	112	112V	112U	112T	112Y	112X	112W
	114	114V	114U	114T	114Y	114X	114W
	115	115V	115U	115T	115Y	115X	115W
	116	116V	116U	116T	116Y	116X	116W
	130	130V	130U	130T	130Y	130X	130W
	131	131V	131U	131T	131Y	131X	131W
	132	132V	132U	132T	132Y	132X	132W
Pablo	117	117V	117U	117T	117Y	117X	117W
	126	126V	126U	126T	126Y	126X	126W
Jackson	119	119V	119U	119T	119Y	119X	119W
	121	121V	121U	121T	121Y	121X	121W
	127	127V	127U	127T	127Y	127X	127W
Piet	21L	21LV	21LU	21LT	21LY	21LX	21LW
	21M	21MV	21MU	21MT	21MY	21MX	21MW
	21S	21SV	21SU	21ST	21SY	21SX	21SW
	23M	23MV	23MU	23MT	23MY	23MX	23MW
	25M	25MV	25MU	25MT	25MY	25MX	25MW



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available in 32D or 32 finish.

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Access 700 PAC1

Corbin Russwin
ASSA ABLOY

Available Trim Options

FE66735 x PAC1 Multi-Point Lock



Grooved Insert
21G



Leather Insert
21L



Polished with Satin Insert
21M



Santoprene™ Insert
21S



With Raised Band
23M



Plain
25M



Plain with Two Grooves
27M

Piet Finish Codes

Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
613E	3E	Dark Oxidized Satin Bronze, Equivalent
BSP	BS	Black Suede Powder Coat
WSP	WS	White Suede Powder Coat
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	303030, 292929, 293029, 302930, 3E003E, BS00BS OR WS00WS
21L	Leather Insert	30BK30, 30BN30, 29BK29, 29BN29, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS OR WSBNWS
21M	Metallic Insert	293029** or 303030
21S	Santoprene Insert	30BK30, 29BK29, 3E003E, BS00BS or WS00WS
23M	Raised Band	290030, 290029, 300030, 300029, 3E003E, BS00BS OR WS00WS
25M	Plain	290029, 300030, 3E003E, BS00BS or WS00WS
27M	Two Grooves	290029, 300030, 3E003E, BS00BS or WS00WS

**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

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Corbin Russwin ASSA ABLOY

Access 700 PAC1

Sold through:

Authorized Channel Partner
ASSA ABLOY

How to Order

FE66735 x PAC1 Multi-Point Lock

Ordering Examples

Stock Order

Quantity	Series/Function	Technology Code	Trim	Finish	Hand	Credential Quick Code
24	FE66735	TCPAC1	LWA	626	RHR	M808

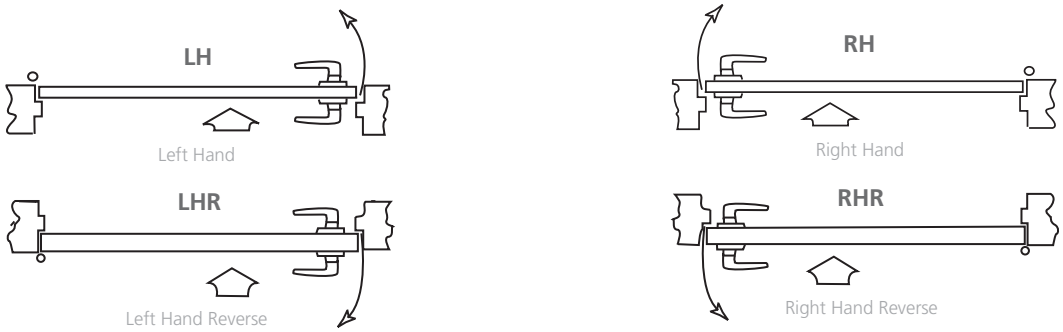
Split Trim/Finish Order

Quantity	Series/ Function	Technology Code	Trim		Finish		Hand	Credential Quick Code
			Outside	Inside	Outside	Inside		
24	FE66735	TCPAC1	CSA	CSA	626	606	RHR	M808

Contract/Detailed Order

Quantity	Series/Function	Technology Code	Trim	Finish	Hand	Credential Quick Code
24	FE66735	TCPAC1	111X	626	RHR	M808

Handing



Note: Arrow indicates security side of door.

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How to Order

FE66735 x PAC1 Multi-Point Lock

Multi-Point Locks

Function	Trim										Finish	Hand
	Standard			Muséo®						Vineyard™		
FE66735	ASA	ASB	ASF	102V	102U	102T	102Y	102X	102W	FSG	605	RH
	NSA	NSB	NSF	103V	103U	103T	103Y	103X	103W	MSG	606	RHR
	PSA	PSB	PSF	104V	104U	104T	104Y	104X	104W	TSG	611	LH
	CSA	CSB	CSF	124V	124U	124T	124Y	124X	124W	ZSG	612	LHR
	DSA	DSB	DSF	125V	125U	125T	125Y	125X	125W		613	
	ESA	ESB	ESF	106V	106U	106T	106Y	106X	106W		618	
	LSA	LSB	LSF	107V	107U	107T	107Y	107X	107W		619	
	RSA	RSB	RSF	108V	108U	108T	108Y	108X	108W		625	
				109V	109U	109T	109Y	109X	109W		626	
				110V	110U	110T	110Y	110X	110W		722	
				123V	123U	123T	123Y	123X	123W		626C	
				128V	128U	128T	128Y	128X	128W		BSP	
				129V	129U	129T	129Y	129X	129W		WSP	
				111V	111U	111T	111Y	111X	111W			
				112V	112U	112T	112Y	112X	112W			
				114V	114U	114T	114Y	114X	114W			
				115V	115U	115T	115Y	115X	115W			
				116V	116U	116T	116Y	116X	116W			
				130V	130U	130T	130Y	130X	130W			
				131V	131U	131T	131Y	131X	131W			
				132V	132U	132T	132Y	132X	132W			
				117V	117U	117T	117Y	117X	117W			
				126V	126U	126T	126Y	126X	126W			
				119V	119U	119T	119Y	119X	119W			
				121V	121U	121T	121Y	121X	121W			
				127V	127U	127T	127Y	127X	127W			
				21LV	21LU	21LT	21LY	21LX	21LW			
				21MV	21MU	21MT	21MY	21MX	21MW			
				21SV	21SU	21ST	21SY	21SX	21SW			
				23MV	23MU	23MT	23MY	23MX	23MW			
				25MV	25MU	25MT	25MY	25MX	25MW			

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Access 700 PAC1

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Available Trim Options

FE66735 x PAC1 Multi-Point Lock



Grooved Insert
21G



Leather Insert
21L



Polished with Satin Insert
21M



Santoprene™ Insert
21S



With Raised Band
23M



Plain
25M



Plain with Two Grooves
27M

Piet Finish Codes

Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
613E	3E	Dark Oxidized Satin Bronze, Equivalent
BSP	BS	Black Suede Powder Coat
WSP	WS	White Suede Powder Coat
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	303030, 292929, 293029, 302930, 3E003E, BS00BS OR WS00WS
21L	Leather Insert	30BK30, 30BN30, 29BK29, 29BN29, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS OR WSBNWS
21M	Metallic Insert	293029** or 303030
21S	Santoprene Insert	30BK30, 29BK29, 3E003E, BS00BS or WS00WS
23M	Raised Band	290030, 290029, 300030, 300029, 3E003E, BS00BS OR WS00WS
25M	Plain	290029, 300030, 3E003E, BS00BS or WS00WS
27M	Two Grooves	290029, 300030, 3E003E, BS00BS or WS00WS

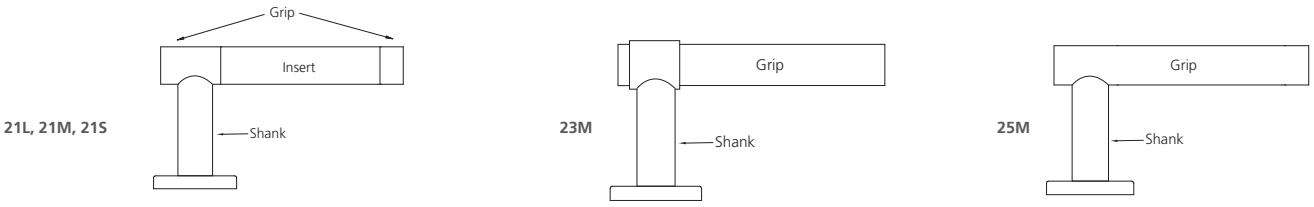
**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

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How to Order

FE66735 x PAC1 Multi-Point Lock

How to Order the Muséo® Piet Lever Collection



Stock Order

Quantity	Series/ Function	Technology Code	Trim	Lever Finish	Lock Finish*	Hand	Credential Quick Code
2	FE66735	TCPAC1	21MV	293029	625	RHR	M808

› Muséo® Piet Lever 21M - Polished with Satin Insert – with V rose
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 625 Lock Finish
› Right hand reverse
› Keypad & Magstripe

Stock Order

Quantity	Series/ Function	Technology Code	Trim	Lever Finish	Lock Finish*	Hand	Credential Quick Code
2	FE66735	TCPAC1	21GU	292929	625	RHR	M808

› 625 Lock Finish
› Right hand reverse
› Keypad & Magstripe

** Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.*

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Quick Code Index

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Cylinder and Keying Options

Part No./ Quick Code	Description	Cylindrical	Mortise	Exit Device
6P	Conventional 6-pin	std	std	•
7P	Conventional 7-pin	•	•	•
LC	Less Cylinder(s)	•	•	std
HS	Security	•	•	•
CHS	Security IC	•	•	•
PS	Pyramid Security	•	•	•
PCS	Pyramid Security IC	•	•	•
PHS	Pyramid High Security Fixed Core	•	•	•
PCHS	Pyramid High Security IC	•	•	•
CTP	Pyramid IC with Temporary Construction Core	•	•	•
CLP	Pyramid IC Less Core	•	•	•
C6	IC 6-pin	•	•	•
CT6R	IC 6-pin with Temporary Construction Core (Red)	•	•	•
CT6B	IC 6-pin with Temporary Construction Core (Blue)	•	•	•
CT6G	IC 6-pin with Temporary Construction Core (Green)	•	•	•
CL6	IC 6-pin Less Core	•	•	•
CLS6	SFIC 6-pin with Less Core		•	•
CT6SD	SFIC 6-pin with SFIC disposable temporary core		•	•
CTSD	SFIC 6- or 7-pin Small Format Disposable Core[1]	•		
C7	IC 7-pin	•	•	•
CT7R	IC 7-pin with Temporary Construction Core (Red)	•	•	•
CT7B	IC 7-pin with Temporary Construction Core (Blue)	•	•	•
CT7G	IC 7-pin with Temporary Construction Core (Green)	•	•	•
CL7	IC 7-pin Less Core	•	•	•
CLS7	SFIC 7-pin with Less Core		•	•
CT7SD	SFIC 7-pin with SFIC disposable temporary core		•	•
CTPD	Pyramid Disposable Core	•	•	•
CT6D	6-pin IC with Disposable Core	•	•	•
CT7D	7-pin IC with Disposable Core	•	•	•
	0-bitted with 2 Blank Keys	std	std	• (with cylinder)
KR	Keyed random	•	•	•
CMK	Construction master keyed	•	•	•
VKC0	Visual Key Control (VKC) - No bitting or keyset stamping on keys	•	•	•
VKC1	Visual Key Control (VKC) - Keys only	•	•	•
VKC2	Visual Key Control (VKC) - Cylinders and Keys (not for HS, CHS, PHS, or PCHS)	•	•	•
VKC3	Visual Key Control (VKC) - Cylinders only (not for HS, CHS, PHS, or PCHS)		•	•
CKC2	Concealed Key Control (CKC) - Cylinders with VKC keys	•	•	•
CKC3	Concealed Key Control (CKC) - Cylinders Only (not for PHS, PCHS)	•	•	•
	2 keys per Lock	std	std	std
KY# (e.g. KY6)	More than 2 keys	•	•	•
C	Lockset furnished in Schlage® C Keyway	•		
LA	Lockset furnished in SARGENT® LA Keyway	•		

Note: 1. Specify M08 for levers to accept SFIC cores; which ship standard with temporary disposable core

• = *available*

Gaskets

795F439	Outside Escutcheon

Credential Quick Codes

Description	Specify
Magstripe Only	M807
Keypad & Magstripe	M808

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Corbin Russwin

ASSA ABLOY

For more information or a personal demonstration, contact PERSONA at 1-800-481-8464 or visit www.personacampus.com

MicroShield™

MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria. MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

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45116-2/19

Corbin Russwin

ASSA ABLOY

Access 700®

PWI1

WiFi Campus Access Control



ASSA ABLOY, the global leader in door opening solutions

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ASSA ABLOY

Access 700 PWI1

Corbin Russwin ASSA ABLOY

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The One Card solution for securing campuses

The Corbin Russwin Access 700® PWI1 lockset is an intelligent WiFi lockset offering comprehensive access control for campus housing and facilities. This offers an ideal solution for forward-thinking campuses looking for a migration path to higher security credentials and mobile access.

Ideal for adding access control to areas of a building that would be too difficult or costly to wire, the Access 700 PWI1 uses 802.11b/g/n WiFi infrastructure to significantly reduce hardware and labor costs. Combined with ASSA ABLOY's PERSONA Campus™ software or with approved third party software, the Access 700 PWI1 Series of locks integrate seamlessly into transactional and housing systems, providing comprehensive, reliable access control for the campus environment.

Features	Benefits
Utilizes IEEE 802.11 WiFi infrastructure	• Significantly reduces installation costs • Eliminates the need for any proprietary equipment • Ideal for hard-to-wire locations
HID® multiCLASS SE® Technology with magnetic stripe reader	• Provides heightened security • Supports multiple credential technologies, offering easy migration from magnetic stripe or other contactless standards to higher security credentials or consolidation of mixed credentials • Supports HID Mobile Access® powered by Seos®
Keypad option available	• Two-factor authentication offers enhanced security
Field-upgradable 802.11b/g/n radio	• Interoperability with other WiFi equipment • Future proof for constantly evolving WiFi standards
Intelligence built into lock for local decision making	• Lock operates regardless of network status • Supports up to 2,400/10,000 users* • Provides a 10,000 event transaction history/audit trail
Privacy button	• Allows shelter in place / local lockdown • Enables privacy capabilities for applications such as restrooms
Field selectable communication frequency	• Allows you to balance security requirements with battery life
Integrated ANSI/BHMA Grade 1 hardware, available in cylindrical lock, mortise lock, exit device and multi-point lock configurations	• Flexibility to support various openings • Assurance of high quality hardware
Available with a wide range of finishes and decorative levers	• Blends into any environment seamlessly • Designed to meet the requirements of designers and architects

*Contact your access control system manufacturer for more information

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Corbin Russwin ASSA ABLOY

Access 700 PWI1

Sold through:

Authorized Channel Partner
ASSA ABLOY

Overview and PERSONA Campus™ Software Features

Access Credentials
Magnetic Stripe:
- Read speed: 4 to 40 in/s
- Card track: Track 2
- Card Coercivity: HiCo (4000 Oersted) or LoCo (300 Oersted)
- Time resolution on card: 1 minute
- Magnetic head lifetime: 300,000 operations

Keypad:
- PIN code: 4-digits with card, or 6-digits PIN only

Credential Reader:
- 2.4 GHz credentials:
  - Secure Identity Object™ (SIO) on Mobile IDs (Bluetooth Smart)
- 13.56 MHz credentials:
  - iCLASS®
  - iCLASS SE® (SIO-enabled)
  - iCLASS® Seos®
  - SIO on MIFARE® Classic
  - SIO on MIFARE DESfire® EV1
  - MIFARE Classic
  - DESfire EV1
  - NFC-enabled mobile phones
- 125 kHz credentials:
  - HID Prox®

Security:
- AES 128-bit encryption
- Supports current WiFi network security standards, including::
  - WEP, WPA and WPA2
  - 802.1x
- For specific security information, please contact your local ASSA ABLOY Door Security Solutions sales representative or call 800-810-Wire.

EAC Regulatory Compliance:
- UL294 6th Edition (not applicable to FE6600)
- CAN/ULC S319 (not applicable to FE6600)
- BHMA A156.25 (not applicable to FE6600)



Cylindrical Lock - CL33700 x PWI1



Mortise Lock - ML20700 x PWI1



Exit Device - ED5000N x 9700 x PWI1



Multi-Point Lock - FE6600 x PWI1

MA **Magstripe Only** – Most existing magstripe ID cards work with the system including high coercivity magnetic stripe.
- Read speed: 4 to 40 in/s
- Magnetic head lifetime: 300,000 operations
- Card track: Track 2

KM **Keypad & Magstripe**
- PIN code: 4-digits with card, or 6-digits PIN only
- Read speed: 4 to 40 in/s
- Magnetic head lifetime: 300,000 operations
- Card track: Track 2

IKMPS* **HID® multiCLASS SE® reader, Keypad & Magstripe**
- PIN code: 4-digits with card, or 6-digits PIN only
- Read speed: 4 to 40 in/s
- Magnetic head lifetime: 300,000 operations
- Card track: Track 2
- iCLASS, keypad, mag stripe, Prox, smart card (MIFARE, DESFIRE)

IMPS* **HID® multiCLASS SE® reader & Magstripe**
- Read speed: 4 to 40 in/s
- Magnetic head lifetime: 300,000 operations
- Card track: Track 2
- iCLASS, mag stripe, Prox, smart card (MIFARE, DESFIRE)

CKMP* **HID® multiCLASS SE® reader, keypad & magstripe**
- PIN code: 4-digits with card, or 6-digits PIN only
- Read speed: 4 to 40 in/s
- Magnetic head lifetime: 300,000 operations
- Card track: Track 2
- FeliCa, keypad, mag stripe, Prox

CMP* **HID® multiCLASS SE® reader & magstripe**
- Read speed: 4 to 40 in/s
- Magnetic head lifetime: 300,000 operations
- Card track: Track 2
- FeliCa, mag stripe, Prox

* For Bluetooth Smart support, add "B" to the beginning of the credential quick code.

PERSONA Campus™ Software Features

- PERSONA's Campus™ Software runs on a single PC as a stand alone or networked system
- Most existing magstripe ID cards work with the system including high coercivity magnetic stripe.
- Importing student or personnel information is easy (without duplicating existing databases)
- The System Events Log is password protected; level of security is user-configurable
- Time scheduling allows different access to various users at designated times throughout the day
- Can perform individual user or group searches and generate reports

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ASSA ABLOY

Access 700 PWI1

Corbin Russwin
ASSA ABLOY

Features

ML20700 x PWI1 Mortise Lock





Mortise Lock
ML20700 x PWI1

Integration of Corbin Russwin mechanical locking security with WiFi intelligence, provides an intelligent, One Card solution for economical and effective campus access control. The ML20700 x PWI1 WiFi locking solution features four operating modes: passage, card only, card plus PIN code, and PIN code only, providing scalable security credentials for any door, room or building.

The integrated lockset uses a standard, high coercivity magnetic stripe card. Manual key override, a standard feature, provides for fail-safe backup in emergency situations.

Customize access, facilitated by on-board memory, lets you define unlimited access, extended-hours access or no access, by user, by facility, down to the individual lock. Audit trail capability provides a history of up to 10,000 events.

Features

- ANSI/BHMA A156.13 Grade 1 mortise lock
- EcoFlex™ technology offers improved battery life
- Complete, integrated lockset
- Optional patented security cylinder — for emergency key override
- Patented, quick reversible latchbolt, 2-piece mechanical with anti-friction insert 5/8" (16mm) x 1" (25mm) x 3/4" (19mm). U.S. Patent #6,349,982

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw

- 3-hour UL fire rating for maximum security and safety
  Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.
- All electronics and batteries mounted in inner escutcheon on secure side of door
- Keycard read upon removal ensuring that keycards are not left in the lock
- Available without keypad
- ADA compliant
- 10 year mechanical warranty; 2 year electrical component warranty

The Access 700® PWI1 ML20700 mortise lock with deadbolt is required for escape return functionality (a residential requirement in Canada). No other Access 700® PWI1 locks will support this requirement.

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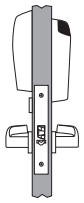
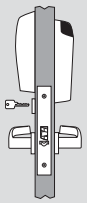
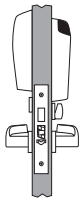
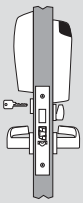
Access 700 PWI1

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ASSA ABLOY

Functions

ML20700 x PWI1 Mortise Lock

Outside	Inside	Series/Function	Type	Function Description
		ML20733 No Key Override No Deadbolt	Entry	• Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user credential entered • No deadbolt function
		ML20734 With Key Override No Deadbolt	Entry	• Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user credential entered • Key outside retracts latch
		ML20735 No Key Override With Deadbolt*	Entry	• Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user credential entered • When deadbolt thrown, outside lever operable only with certain authorized credentials
		ML20736 With Key Override and Deadbolt*	Entry	• Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user credential entered • Key outside projects or retracts deadbolt and retracts latch • When deadbolt projected, outside lever operable only with certain authorized credentials, or key (key retracts deadbolt and latch)

* Deadbolt required for escape return functionality (a residential requirement in Canada)

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Access 700 | PWI1

Corbin Russwin
ASSA ABLOY

Technical Features

ML20700 x PWI1 Mortise Lock

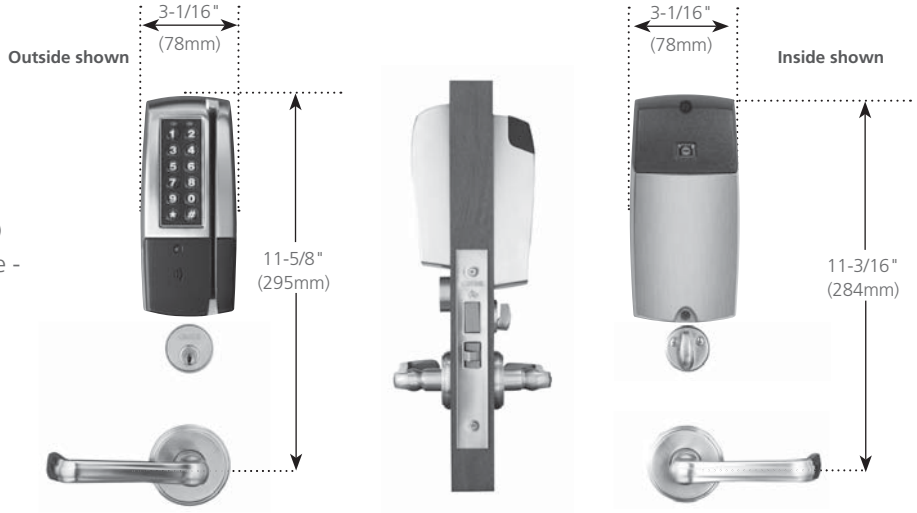
Technical Data	
Power Supply:	6 AA alkaline batteries
Voltage (max/min):	12-24 VDC / 5.5 VDC
Expected Battery Life:	1-3 years based on usage
Card Track:	Track 2
Card Coercivity	HiCo (4000 Oersted)

Monitoring	
ML20700 x PWI1	Request to Exit (REX); Latchbolt (LX); Dead Bolt (DX); Auxiliary Latchbolt (AX)

Features	
Operating Modes	**PIN required:** Specify KM, IKMPS, or CKMP; In addition to card, a 4 digit PIN might be required **No PIN required:** Specify MA, IMPS, CMP; Only card is required
Passage Modes	**Automatic:** The door automatically becomes unlocked during any passage mode **Manual:** The door only becomes unlocked after the first card of the day is presented (within a schedule) or might optionally be configured to require two consecutive swipes to toggle the passage state

Inside/Outside Escutcheons

- Keys/buttons overmolded to prevent wear
- Zinc die cast
- Tactile keypad
- LED's indicate valid/invalid entries
- Escutcheon projection 1-11/16" (43mm)
- Operating temperature: 32°F to 104°F (inside)
- Operating temperature: -4°F to 104°F (outside - heating element optional for card reader)
- Humidity: <95% non-condensing
- Storage temperature: -22°F (-30°C) to 176°F (80°C)



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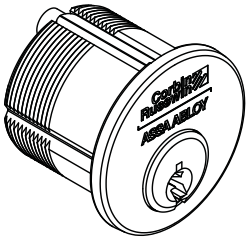
Cylinders

ML20700 x PWI1 Mortise Lock

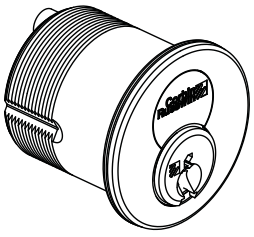
Cylinders

- Conventional (standard)
- Pyramid (optional)
- Interchangeable Core (IC)
- 2 nickel silver keys
- Finishes: See Key Systems and Pyramid

Conventional (Fixed Core)



Interchangeable Core (IC)



Pyramid Shown

Cylinder Quick Codes

Mortise Cylinder Type	Keyed Functions for 1-3/4" Door
Pyramid High Security (PHS)	1020-114-A01
Pyramid High Security Interchangeable Core (PCHS)	1030-114-A01
Pyramid Security (PS)	1027-114-A01
Pyramid Security IC (PCS)	1037-114-A01
Conventional 6-pin	1000-118-A01
7-pin (7P)	1000-114-A01
6-pin IC (C6)	1080-114-A01
7-pin IC (C7)	1080-112-A01-7
Security IC (CHS)	1090-114-A01
Security (HS)	1010-118-A01

For complete Pyramid information and options refer to Key Systems catalog.

To order optional cylinder with lockset, see Quick Codes, page 8.

To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 1000-138-A01 x L4 x 626).

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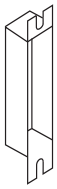
Options & Accessories

ML20700 x PWI1 Mortise Lock

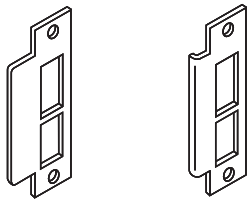
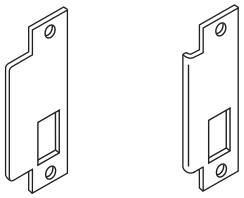
Strikes

ANSI Straight Lip (standard)
Brass, Bronze or Stainless Steel
Non-handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center
Optional lip lengths: 7/8" (22mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-1/2" (38mm),
1-3/4" (44mm), 2" (51mm),
2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

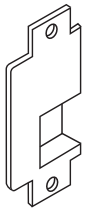
ANSI Curved Lip
Brass, Bronze or Stainless Steel
Handed 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center
Optional lip lengths: 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm),
3" (76mm)



ANSI Wrought Strike Box
To order with lockset; see Quick Codes, pg. 11.
To order separately, specify 120F768.

		Part No.	Description
Latchbolt X Deadbolt		236L72	Straight Lip
		340L60	Curved Lip for RH, LHR
		340L61	Curved Lip for LH, RHR
Latchbolt Only		236L73	Straight Lip
		340L62	Curved Lip for RH, LHR
		340L63	Curved Lip for LH, RHR

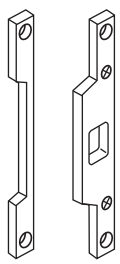
To order strike with lockset, see Quick Codes, page 8. To order strike separately, specify Part No. x Lip Length x Finish (e.g., 340L60 x 1-1/2" x 626).



Open Back
Size: 5-1/4" (133mm) x 1-1/4" (32mm)

Hand	Door Thickness	Part
LHR	1-3/4" (44mm)	411L63016
	2" (51mm)	411L63018
	2-1/4" (57mm)	411L63020
RHR	1-3/4" (44mm)	411L62016
	2" (51mm)	411L62018
	2-1/4" (57mm)	411L62020

To order with lockset; see Quick Codes, pg. 11.
To order separately, specify Part No. x Door Thickness x Finish (e.g., 411L62 x 2" x 626).



Rabbeted Front and Strike
Brass or bronze. For 1/2" (13mm) rabbet.
No optional lip lengths.

	Part No.	Hand
Latchbolt x deadbolt	318F66 318F69	RH/LHR LH/RHR
Latchbolt only	318F64 318F67	RH/LHR LH/RHR

To order with lockset; see Quick Codes, page 8.
To order separately, specify Part No. x Finish (e.g., 318F66 x 626).

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Quick Codes

ML20700 x PWI1 Mortise Lock

Cylinders and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less Cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with Temporary Construction Core Red Blue Green	 CT6R CT6B CT6G
CI 6-pin Less Core	CL6
SFIC 6-pin with Less Core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin	C7
IC 7-pin with Temporary Construction Core Red Blue Green	 CT7R CT7B CT7G
IC 7-pin Less Core	CL7
SFIC 7-pin with Less Core	CLS7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
Security	HS
Security IC	CHS
Pyramid Fixed Core	PHS
Pyramid IC	PCHS
Pyramid IC Less Core	CLP
Pyramid with Temporary Construction Core	CTP
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
Keyed Random (Standard)	KR
Construction Master Keyed (not available for Pyramid)	CMK
Visual Key Control - No Keying Data Stamped on Key or Cylinder - Keys Only - Cylinders and Keys (not for HS, CHS, PHS or PCHS) - Cylinders Only (not for HS, CHS, PHS or PCHS)	 VKC0 VKC1 VKC2 VKC3
Concealed Key Control (CKC) - CKC Cylinders with VKC Keys - CKC Cylinders Only (not for PHS, PCHS)	 CKC2 CKC3
2 Keys per Lock	(standard)
More than 2 Keys	KY# (e.g., KY6)

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613[1]
Dark Oxidized Satin Bronze - Equivalent	613E
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with *MicroShield*®	626C
Bright Stainless Steel	629[3]
Satin Stainless Steel	630[3]
Satin Stainless Steel with *MicroShield*	630C
Black Oxidized Bronze, Oil Rubbed	722[2]
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

[1] New, March 2007
[2] Formerly 613 prior to March 2007
[3] Escutcheon finished to match 629, 630 finish

Miscellaneous Options

Description	Specify
Torx® head screws	M04
ANSI wrought strike box	M17
Knurling outside and inside*	M20
Knurling outside only*	M21
Knurling inside only	M22
Abrasive coat outside and inside*	M23
Abrasive coat inside only*	M24
Abrasive coat outside only	M25
Remote power harness	M35

*not available with Vineyard™ or Muséo® levers.

Handing

Hand	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Door Thickness

Description	Specify
1-3/4" (44mm)	std
1-7/8" (48mm)	D178
2" (51mm)	D200
2-1/8" (54mm)	D218
2-1/4" (57mm)	D214

Consult factory for door thicknesses greater than 2-1/4

Credential Quick Codes

Description	Specify
Magstripe Only	MA
Keypad & Magstripe	KM
HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, MIFARE Classic, DESfire EV1, HID Prox®, NFC-enabled mobile phones, keypad, mag stripe	IKMPS*
HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, MIFARE Classic, DESfire EV1, HID Prox®, NFC-enabled mobile phones, mag stripe	IMPS*
FeliCa, HID Prox®, NFC-enabled mobile phones, keypad, mag stripe	CKMP*
FeliCa, HID Prox®, NFC-enabled mobile phones, mag stripe	CMP*

* For Bluetooth Smart support, add "B" to the beginning of the credential quick code.

Strikes

ANSI Lip to Center	ANSI Straight Lip Specify	Curved Lip Specify
7/8" (22mm)	SS078	N/A
1-1/8" (29mm)	(standard)	N/A
1-1/4" (32mm)	SS114	SA114
1-3/8" (35mm)	SS138	SA138
1-1/2" (38mm)	SS112	SA112
1-3/4" (44mm)	SS134	SA134
2" (51mm)	SS200	SA200
2-1/4" (57mm)	SS214	SA214
2-1/2" (64mm)	SS212	SA212
2-3/4" (70mm)	SS234	SA234
3" (76mm)	SS300	SA300
Open Back Strike	Door Thickness	Specify
	1-3/4" (44mm)	SB134
	2" (51mm)	SB200
	2-1/4" (57mm)	SB214
Rabbeted front and strike - Specify		SR118

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Access 700 | PWI1

Corbin Russwin
ASSA ABLOY

Lever Trim Designs

ML20700 x PWI1 Mortise Lock

Standard Lever	A Rose	B Rose	F Rose
Armstrong	ASA	ASB	ASF
Newport	NSA	NSB	NSF
Princeton	PSA	PSB	PSF
Citation	CSA	CSB	CSF
Dirke	DSA	DSB	DSF
Essex	ESA	ESB	ESF
Lustra	LSA	LSB	LSF
Regis	RSA	RSB	RSF



Vineyard™ Lever	G Rose
Frascati	FSG
Merlot	MSG
Tuscany	TSG
Zinfandel	ZSG



Muséo®

Georgia



Salvador



Marc



Pablo



Jackson



Piet



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available in 32D or 32 finish.

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Access 700 PWI1

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Available Trim Options

ML20700 x PWI1 Mortise Lock

Muséo® Collection Roses[1]



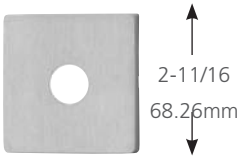
V Rose
Wrought



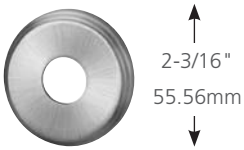
U Rose
Wrought



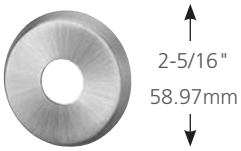
T Rose
Wrought



E2 Rose[2]
Wrought



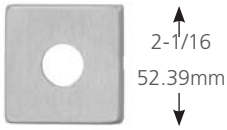
Y Rose
Wrought



W Rose
Wrought



X Rose
Wrought



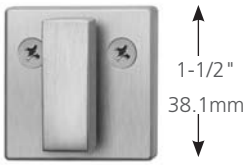
E3 Rose[2]
Wrought

Thumbturns[3]

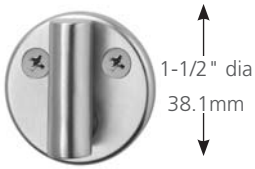
Specify quick code MT1, MT2, or MT3 for decorative turns. Standard thumbturn will be supplied without quick code.



MT1



MT2



MT3

Notes:

1. Roses and Inspire trim are only available with Muséo levers.
2. Square cylinder collar and thumbturn backplate automatically supplied with E2 and E3 roses. Specify MT1, MT2, or MT3 for decorative thumbturns.
3. Thumbturn back plate will match shape of rose chosen (i.e. round or square).

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How to Order

ML20700 x PWI1 Mortise Lock

Ordering Examples

Stock Order

Quantity	Series/Function	Technology Code	Trim	Finish	Hand	Credential Quick Code
24	ML20736	TCPWI1	LWA	626	RHR	IKMPS

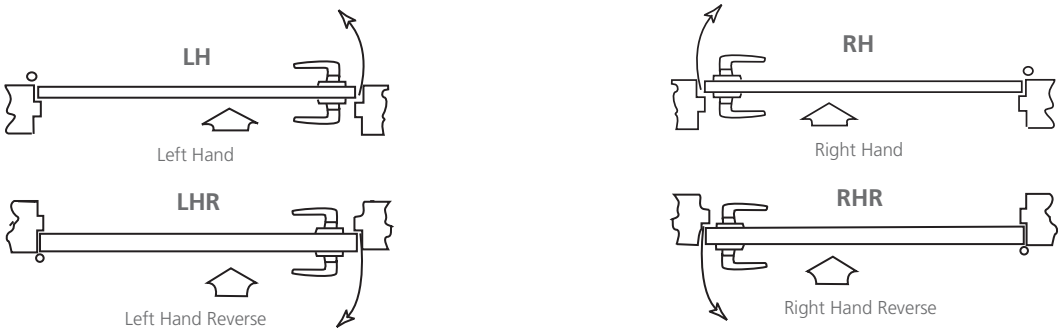
Split Trim/Finish Order

Quantity	Series/ Function	Technology Code	Trim		Finish		Hand	Credential Quick Code
			Outside	Inside	Outside	Inside		
24	ML20735	TCPWI1	CSA	CSA	626	606	RHR	IMPS

Contract/Detailed Order

Quantity	Keyset	Series/ Function	Technology Code	Trim	Finish	Hand	Door Thickness	Optional Strike	Optional Cylinder	Keying	Credential Quick Code
24	AA1	ML20734	TCPWI1	111X	626	RHR	D214	SA200	PS	VKC3	IKMPS

Handing



Note: Arrow indicates secure side of door.

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Corbin Russwin ASSA ABLOY

Access 700 PWI1

Sold through:

Authorized Channel Partner
ASSA ABLOY

How to Order

ML20700 x PWI1 Mortise Lock

Mortise Locksets

Function	Trim										Finish	Hand
	Standard			Muséo®						Vineyard™		
ML20733											605	RH
ML20734	ASA	ASB	ASF	102V	102U	102T	102Y	102X	102W	FSG	606	RHR
ML20735	NSA	NSB	NSF	103V	103U	103T	103Y	103X	103W	MSG	611	LH
ML20736	PSA	PSB	PSF	104V	104U	104T	104Y	104X	104W	TSG	612	LHR
	CSA	CSB	CSF	124V	124U	124T	124Y	124X	124W	ZSG	613	
	DSA	DSB	DSF	125V	125U	125T	125Y	125X	125W		618	
	ESA	ESB	ESF	106V	106U	106T	106Y	106X	106W		619	
	LSA	LSB	LSF	107V	107U	107T	107Y	107X	107W		625	
	RSA	RSB	RSF	108V	108U	108T	108Y	108X	108W		626	
				109V	109U	109T	109Y	109X	109W		722	
				110V	110U	110T	110Y	110X	110W		626C	
				123V	123U	123T	123Y	123X	123W			
				128V	128U	128T	128Y	128X	128W			
				129V	129U	129T	129Y	129X	129W			
				111V	111U	111T	111Y	111X	111W			
				112V	112U	112T	112Y	112X	112W			
				114V	114U	114T	114Y	114X	114W			
				115V	115U	115T	115Y	115X	115W			
				116V	116U	116T	116Y	116X	116W			
				130V	130U	130T	130Y	130X	130W			
				131V	131U	131T	131Y	131X	131W			
				132V	132U	132T	132Y	132X	132W			
				117V	117U	117T	117Y	117X	117W			
				126V	126U	126T	126Y	126X	126W			
				119V	119U	119T	119Y	119X	119W			
				121V	121U	121T	121Y	121X	121W			
				127V	127U	127T	127Y	127X	127W			
				21LV	21LU2	21LT	21LY	21LX	21LW			
				21MV	21MU	21MT	21MY	21MX	21MW			
				21SV	21SU	21ST	21SY	21SX	21SW			
				23MV	23MU	23MT	23MY	23MX	23MW			
				25MV	25MU	25MT	25MY	25MX	25MW			

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ASSA ABLOY

Access 700 | PWI1

Corbin Russwin
ASSA ABLOY

Available Trim Options

ML20700 x PWI1 Mortise Lock



Grooved Insert
21G



Leather Insert
21L



Polished with Satin Insert
21M



Santoprene™ Insert
21S



With Raised Band
23M



Plain
25M



Plain with Two Grooves
27M

Piet Finish Codes

Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
613E	3E	Dark Oxidized Satin Bronze, Equivalent
BSP	BS	Black Suede Powder Coat
WSP	WS	White Suede Powder Coat
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	303030, 292929, 293029, 302930, 3E003E, BS00BS OR WS00WS
21L	Leather Insert	30BK30, 30BN30, 29BK29, 29BN29, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS OR WSBNWS
21M	Metallic Insert	293029** or 303030
21S	Santoprene Insert	30BK30, 29BK29, 3E003E, BS00BS or WS00WS
23M	Raised Band	290030, 290029, 300030, 300029, 3E003E, BS00BS OR WS00WS
25M	Plain	290029, 300030, 3E003E, BS00BS or WS00WS
27M	Two Grooves	290029, 300030, 3E003E, BS00BS or WS00WS

**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

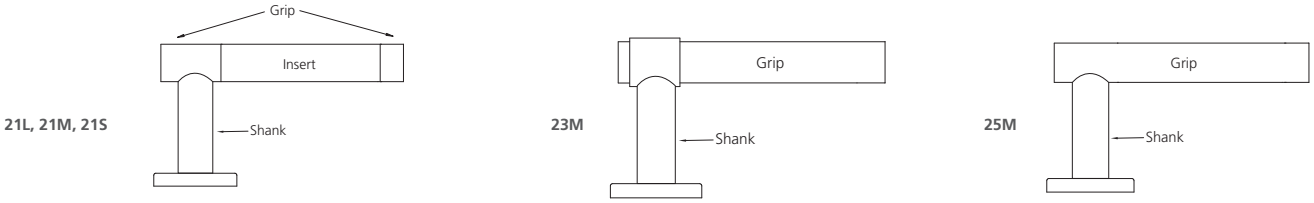
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How To Order

ML20700 x PWI1 Mortise Lock

How to Order the Muséo® Piet Lever Collection



Stock Order

Quantity	Series/ Function	Technology Code	Trim	Lever Finish	Lock Finish*	Hand	Credential Quick Code
2	ML20736	TCPWI1	21MV	293029	625	RHR	IKMPS

› Muséo® Piet Lever 21M - Polished with Satin Insert – with V rose
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 625 Lock Finish
› Right hand reverse
› iCLASS®, Keypad, Magstripe, Prox, & Smart Card (MIFARE, DESFIRE)

Stock Order

Quantity	Series/ Function	Technology Code	Trim	Lever Finish	Lock Finish*	Hand	Credential Quick Code
2	ML20735	TCPWI1	21MU	293029	625	RHR	IMPS

› Muséo® Piet Lever 21M - Polished with Satin Insert – with U rose
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 625 Lock Finish
› Right hand reverse
› iCLASS®, Magstripe, Prox, & Smart Card (MIFARE, DESFIRE)

** Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.*

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ASSA ABLOY

Access 700 | PWI1

Corbin Russwin
ASSA ABLOY

Features & Functions

CL33700 x PWI1 Cylindrical Lock





Cylindrical Lock
CL33700 x PWI1

Integration of Corbin Russwin mechanical locking security with WiFi intelligence, provides an intelligent, One Card solution for economical and effective campus access control. The CL33700 x PWI1 WiFi locking solution features four operating modes: passage, card only, card plus PIN code, and PIN code only, providing scalable security credentials for any door, room or building.

The integrated lockset uses a standard, high coercivity magnetic stripe card. Manual key override, a standard feature, is provided for fail-safe backup in emergency situations.

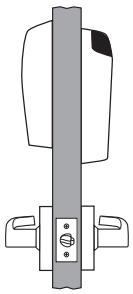
Customized access, facilitated by on-board memory lets you define unlimited access, extended-hours access or no access, by user, by facility, down to the individual lock. Audit trail capability provides a history of up to 10,000 events.

Features

- ANSI/BHMA A156.2 Grade 1 lock
- Complete, integrated lockset
- Optional patented security cylinder – for emergency key override
- Stainless steel deadlocking latchbolt x 1/2" throw
- 3-hour UL fire rating for maximum security and safety

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

- All electronics and batteries mounted in inner escutcheon on secure side of door
- Keycard read upon removal ensuring that keycards are not left in the lock
- Available without keypad
- ADA compliant
- 7 year mechanical warranty; 2 year electrical component warranties

Outside	Inside	Series/Function	Type	Function Description
		CL33734 With Cylinder	Entry	• Latch retracted by inside lever at all times • Key outside retracts latch • Outside lever locked (free-wheeling) except when in "passage" mode or valid user code entered

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Corbin Russwin ASSA ABLOY

Access 700 PWI1

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ASSA ABLOY

Technical Features

CL33700 x PWI1 Cylindrical Lock

Technical Data

Power Supply:	6 AA alkaline batteries
Voltage (max/min):	12-24 VDC / 5.5 VDC
Expected Battery Life:	1-3 years based on usage
Card Track:	Track 2
Card Coercivity	HiCo (4000 Oested)

Monitoring

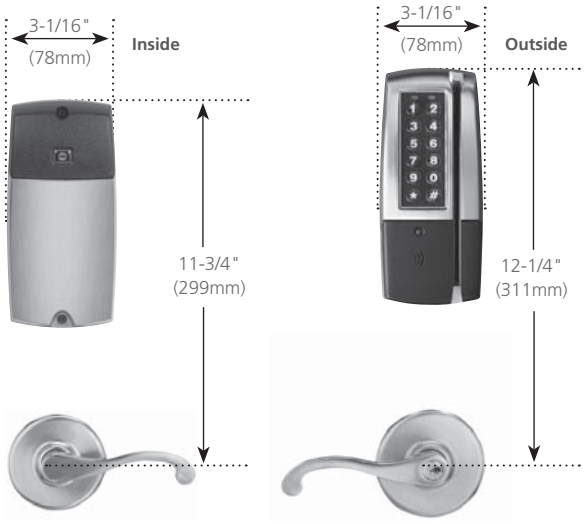
CL3370 x PWI1	Request to Exit (REX) (non-handed); external door position switch (DPS)

Features

Operating Modes	**PIN required:** Specify KM, IKMPS, CKMP; In addition to card, a 4 digit PIN might be required **No PIN required:** Specify MA, IMPS, CMP; Only card is required
Passage Modes	**Automatic:** The door automatically becomes unlocked during any passage mode **Manual:** The door only becomes unlocked after the first card of the day is presented (within a schedule) or might optionally be configured to require two consecutive swipes to toggle the passage state

Escutcheons

- Zinc die cast
- Tactile keypad
- LED's indicate valid/invalid entries
- Keys/buttons overmolded to prevent wear
- Escutcheon projection 1-11/16" (43mm)
- Operating temperature: 32°F to 104°F (inside)
- Operating temperature: -4°F to 104°F (outside - heating element optional for card reader)
- Humidity: <95% non-condensing
- Storage temperature: -22°F (-30°C) to 176°F (80°C)

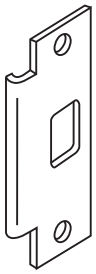


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Options & Accessories

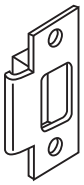
CL33700 x PWI1 Cylindrical Lock

Strikes



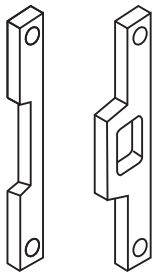
ANSI Curved Lip (standard)
Brass or stainless steel,
4-7/8" (124mm) x 1-1/4" (32mm) x
1-1/4" (32mm) lip to center.
Optional lip lengths: 1" (25mm),
1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm),
1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm),
2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm).

- To order with lockset, see Quick Codes on next page.
- To order separately, specify 217L13 x Lip Length x Finish.



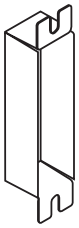
Curved Lip Box
Brass, 2-3/4" (70mm) x 1-1/8" (29mm)
x 1-1/4" (32mm) lip to center.
Optional lip lengths: 1" (25mm), 1-1/8" (29mm),
1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm),
2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm),
2-3/4" (70mm), 3" (76mm).

- To order with lockset, see Quick Codes on next page.
- To order separately, specify 586L19 x Lip Length x Finish.



Rabbeted Front and Strike
Brass, 4" (102mm) x 5/8"
(16mm) for 1/2" (13mm) rabbet.
No optional lip lengths.

- To order with lockset, see Quick Codes on next page.
- To order separately, specify 601F28 x Finish.



ANSI Wrought Strike Box

- To order with lockset, see Quick Codes on next page.
- To order separately, specify 120F768.

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Access 700 | PWI1

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Quick Codes

CL33700 x PWI1 Cylindrical Lock

Cylinders and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less Cylinder(s)	LC
Security	HS
Security IC	CHS
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid with Temporary Construction Core	CTP
Pyramid Less Core	CLP
IC 6-pin	C6
IC 6-pin with Temporary Construction Core	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 6-pin Less Core	CL6
IC 7-pin	C7
IC 7-pin with Temporary Construction Core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin Less Core	CL7
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
SFIC 6- or 7-pin Small Format Disposable Core	CTSD
0-Bitted with 2 Blank Keys	(standard)
Keyed Random	KR
Construction Master Keyed	CMK
Visual Key Control (VKC)	
- No Bitting or Keyset Stamping on Keys	VKC0
- Keys Only	VKC1
- Cylinders and Keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders Only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed Key Control (CKC)	
- CKC Cylinders with VKC Keys	CKC2
- CKC Cylinders Only (not for PHS, PCHS)	CKC3
2 Keys per Lock	(standard)
More than 2 Keys	KY# (e.g., KY6)
Schlage® C Keyway cylinder[1]	C
Schlage® LA Keyway cylinder[2]	LA

1 Available 0-bitted & keyed random (KR) only
2 Available 0-bitted only

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Black Oxidized Bronze, Oil Rubbed	722
Satin Chrome with MicroShield®	626C
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

Miscellaneous Options

Description	Specify
Torx® Head Screws	M04
Less cylinder, with tailpiece for Schlage® cylinder	M06
Lever to accept Best® type core (NZD & PZD designs only)	M08
Lever to accept Sargent® cylinder (NZD & PZD design only)	M09
Rounded corners on latch front	M13
3/4" (19mm) throw fire latch	M16
ANSI wrought strike box	M17
Knurling outside and inside	M20
Knurling outside only	M21
Knurling inside only	M22
Abrasive coat outside and inside	M23
Abrasive coat inside only	M24
Abrasive coat outside only	M25
Remote power harness	M35
Lever to accept Schlage® interchangeable core (NZD & PZD design only)	M69

Backset

Description	Specify
2-3/4" (70mm)	(standard)
3-3/4" (95mm)	B334
5" (127mm)	B500

Door Thickness

Door Thickness	Specify
1-3/4" (44mm) - 2" (51mm)	(standard)
2" (51mm) - 2-1/4" (57mm)	D214

Credential Quick Codes

Description	Specify
Magstripe Only	MA
Keypad & Magstripe	KM
HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, MIFARE Classic, DESfire EV1, HID Prox®, NFC-enabled mobile phones, keypad, mag stripe	IKMPS*
HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, MIFARE Classic, DESfire EV1, HID Prox®, NFC-enabled mobile phones, mag stripe	IMPS*
FeliCa, HID Prox®, NFC-enabled mobile phones, keypad, mag stripe	CKMP*
FeliCa, HID Prox®, NFC-enabled mobile phones, mag stripe	CMP*

* For Bluetooth Smart support, add "B" to the beginning of the credential quick code.

Strikes

Lip to Center	ANSI Curved Lip Specify	Curved Lip Box Specify
1" (25mm)	SA100	SC100
1-1/8" (29mm)	SA118	SC118
1-1/4" (32mm)	(standard)	SC114
1-3/8" (35mm)	SA138	SC138
1-1/2" (38mm)	SA112	SC112
1-3/4" (44mm)	SA134	SC134
2" (51mm)	SA200	SC200
2-1/4" (57mm)	SA214	SC214
2-1/2" (64mm)	SA212	SC212
2-3/4" (70mm)	SA234	SC234
3" (76mm)	SA300	SC300
Rabbeted front and strike		Specify SR118

Handing

Hand	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR

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How to Order

CL33700 x PWI1 Cylindrical Lock

Ordering Examples

Stock Order

Quantity	Series/Function	Technology Code	Trim	Finish	Hand	Credential Quick Code
24	CL33734	TCPWI1	NZD	626	RHR	IKMPS

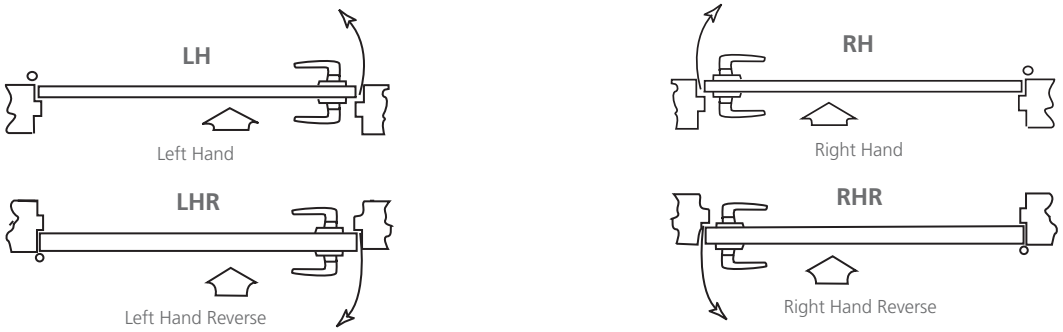
Split Trim/Finish Order

Quantity	Series/ Function	Technology Code	Trim		Finish		Hand	Credential Quick Code
			Outside	Inside	Outside	Inside		
24	CL33734	TCPWI1	NZD	AZD	626	625	LH	IMPS

Contract/Detailed Order

Quantity	Keyset	Series/ Function	Technology Code	Trim	Finish	Hand	Door Thickness	Optional Strike	Optional Cylinder	Keying	Credential Quick Code
24	AA1	CL33734	TCPWI1	FZD	626	RHR	D214	SA200	PS	VKC3	IKMPS

Handing



Note: Arrow indicates secure side of door.

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Corbin Russwin ASSA ABLOY

Access 700 | PWI1

Sold through:

Authorized Channel Partner
ASSA ABLOY

How to Order & Lever Trim Designs

CL33700 x PWI1 Cylindrical Lock

Cylindrical Locksets

Function	Trim	Finish	Hand	Backset
CL33734	Standard	605	RH	(standard)
	AZD	606	RHR	B334
	NZD	611	LH	B500
	PZD	612	LHR	
	FZD	613		
		618		
		619		
		625		
		626		
		722		
		626C		

Standard

Lever	D Rose
Armstrong	AZD
Newport	NZD
Princeton	PZD



Armstrong



Newport*



Princeton*

Vineyard™

	D Rose
Frascati	FZD



Frascati

*Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

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ASSA ABLOY

Access 700 PWI1

Corbin Russwin ASSA ABLOY

Features

ED5000N 9700 x PWI1 Exit Device



Integration of Corbin Russwin life safety mechanical exit devices with WiFi intelligence, provides an intelligent, One Card solution for economical and effective campus access control. The ED5000N x 9700 x PWI1 WiFi locking solution features four operating modes: passage, card only, card plus PIN code, and PIN code only, providing scalable security credentials for any door, room or building.

Featuring EcoFlex(TM) technology, the integrated lockset uses a standard, high coercivity magnetic stripe card. Manual key override, a standard feature is provided for fail-safe backup in emergency situations.

Customized access, facilitated by on-board memory lets you define unlimited access, extended-hours access or no access, by user, by facility, down to the individual lock. Audit trail capability provides a history of up to 10,000 events.

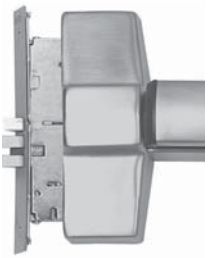


Exit Device
ED5000N x 9700 x PWI1



SECUREBOLT®

Featuring SecureBolt®
locking security



Exit Device
ED5600N x PWI1

Features

- ANSI/BHMA A156.3 Grade 1 Exit Device
- Complete, integrated lockset
- Optional patented security cylinder — for emergency key override
- 3-hour UL fire rating available for maximum security and safety
  Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.
- All electronics and batteries mounted in inner escutcheon on secure side of door
- Keycard read upon removal ensuring that keycards are not left in the lock
- Available without keypad
- EcoFlex™ technology offers improved battery life
- ADA compliant
- 5 year mechanical warranty; 2 year electrical component warranty

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Corbin Russwin ASSA ABLOY

Access 700 PWI1

Sold through:

Authorized Channel Partner
ASSA ABLOY

Technical Features

ED5000N 9700 x PWI1 Exit Device

Technical Data

Power Supply:	6 AA alkaline batteries
Voltage (max/min):	12-24 VDC / 5.5 VDC
Expected Battery Life:	1-3 years based on usage
Card Track:	Track 2
Card Coercivity	HiCo (4000 Oested)

Monitoring

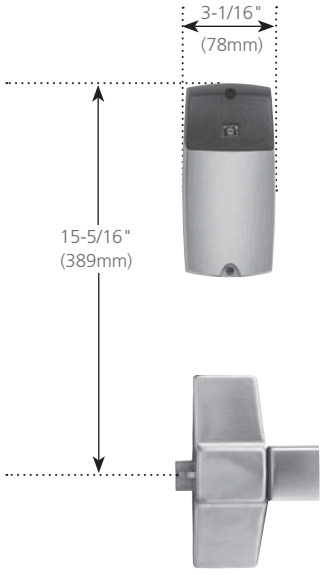
ED5000N 9700 x PWI1	Request to Exit (REX); external door position switch (DPS)

Features

Operating Modes	**PIN required:** Specify KM, IKMPS, or CKMP; In addition to card, a 4 digit PIN might be required **No PIN required:** Specify MA, IMPS, CMP; Only card is required
Passage Modes	**Automatic:** The door automatically becomes unlocked during any passage mode **Manual:** The door only becomes unlocked after the first card of the day is presented (within a schedule) or might optionally be configured to require two consecutive swipes to toggle the passage state

Secure Side of Door

Rim/SecureBolt®, Mortise



Reader Escutcheon

- Zinc die cast
- Tactile keypad
- LED's indicate valid/invalid entries
- Keys/buttons overmolded to prevent wear
- Projection at top 1-5/8" (41mm)
- Operating temperature: 32°F to 104°F (inside)
- Operating temperature: -4°F to 104°F (outside - heating element optional for card reader)
- Humidity: <95% non-condensing
- Storage temperature: -22°F (-30°C) to 176°F (80°C)

Lever Escutcheon

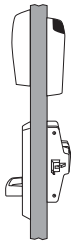
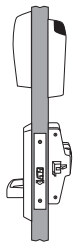
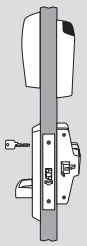
- Brass cast



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Functions

ED5000N 9700 x PWI1 Exit Device

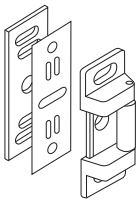
Inside	Outside	Series/Function	Type	Function Description
		ED5200(A)N & ED5200S(A)N x 9733 x PWI1 No Key Override	Entry	• Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when in passage mode or valid user code entered
		ED5200(A)N & ED5200S(A)N x 9734 x PWI1 With Key Override	Entry	• Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when in passage mode or valid user code entered • Outside cylinder override allows lever to retract latch
		ED5633(A)LN x 9M733 x PWI1 No Key Override	Entry	• Latch retracted by inside push pad at all times • Outside lever rigid except when in passage mode or valid user code entered
		ED5634(A)LN x 9M734 x PWI1 With Key Override	Entry	• Latch retracted by inside push pad at all times • Outside lever rigid except when in passage mode or valid user code entered • Outside cylinder override retracts latch

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Option & Accessories

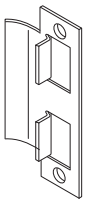
ED5000N 9700 x PWI1 Exit Device



Rim Strike
(Screws Included)

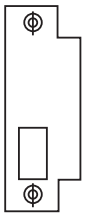
SecureBolt®, Fire-Rated Rim and Rim Strike

Standard on ED5200SN, ED5200S(A)N, ED5200(A)N and ED5200N devices. Supplied with locking plate and two 1/16" (1.6mm) shims.
For doors with 1/2" (13mm) or 5/8" (16mm) stop. Adjustable to compensate for shrinkage and swelling of door.
3-1/2" x 1-1/4" (99mm x 32mm).
Black finish only. To order separately specify 650F30-8.

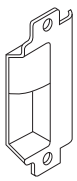


Mortise Strikes

Mortise Strike
Standard on ED5600(A)N Series.
Non-handed, ANSI curved lip, 4-7/8" x 1-1/4" x 1-1/4" (124mm x 32mm x 32mm) lip to center. To order separately, specify 650L657020.

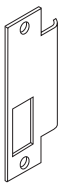


Mortise Strike for Pairs of Doors with Astragal
Optional for use with ED5600(A)N Series devices where an astragal is to be installed. Non-handed, ANSI straight lip, 4-7/8" x 1-1/4" x 7/8" (124mm x 32mm x 22mm) lip to center. To order with exit device, specify SS078. To order separately, specify 653L157014.

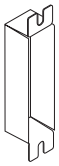


Open Back Strike
Optional for use with ED5600N x vertical rod devices on a pair of doors. Non-handed, 4-7/8" x 1-1/4" (124mm x 32mm). To order with exit device, specify SB134 for 1-3/4" doors, SB214 for 2-1/4" doors. To order separately, specify Part No. listed below.

Door Thickness	Type	Part No.
1-3/4" (44mm)	Curved lip	653L183016
	Straight lip	653L163016
2-1/4" (57mm)	Curved lip	653L183020
	Straight lip	653L163020



Mortise Strike
Standard on ED5600N and ED5600(A)N devices on 2" (51mm) (D200) and 2-1/4" (57mm) (D214) thick doors. Handed ANSI curved lip, 4-7/8" x 1-1/4" x 1-1/2" (124mm x 32mm x 38mm) lip to center. To order separately, specify 656L677024 for RH, 656L687024 for LH.



ANSI Wrought Strike Box
Optional for use with ED5600N and ED5600AN devices. To order with exit device, specify M17. To order separately, specify 120F76-8.



Filler Plates

Optional for use on stock metal doors when required. To order, specify 334F99-8 600.



Optional for use on stock metal doors when required. To order, specify 236L708018 x Fin.



Optional for use on stock metal doors when required. To order, specify 077F19-8 600.

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Corbin Russwin
ASSA ABLOY

Quick Codes

ED5000N 9700 x PWI1 Exit Device

Cylinders and Keying

Description	Specify
Conventional 6-pin	6P
Conventional 7-pin	7P
Less Cylinder(s)	standard
IC 6-pin	C6
IC 6-pin with Temporary Construction Core Red Blue Green	 CT6R CT6B CT6G
IC 6-pin Less Core	CL6
SFIC 6-pin with Less Core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin	C7
IC 7-pin with Temporary Construction Core Red Blue Green	 CT7R CT7B CT7G
IC 7-pin Less Core	CL7
SFIC 7-pin with Less Core	CLS7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
Security	HS
Security IC	CHS
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid with Temporary Construction Core	CTP
Pyramid IC Less Core	CLP
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
0-bitted with 2 Blank Keys	Standard with Cylinder
Keyed random	KR
Construction Master Keyed (not available for Pyramid)	CMK
Visual Key Control (VKC)	
- No Keying Data Stamped on Key or Cylinder	VKC0
- Keys Only	VKC1
- Cylinders and Keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders Only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed Key Control (CKC)	
- CKC Cylinders with VKC Keys	CKC2
- CKC Cylinders Only (not for PHS, PCHS)	CKC3
2 Keys per Cylinder	standard
Other than 2 Keys	KY# (e.g., KY6)

Finishes

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Polished Stainless Steel*	629
Satin Stainless Steel*	630
Satin Stainless Steel with *MicroShield**	630C
Black Oxidized Bronze, Oil Rubbed	722
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

*Lever only. Escutcheons plated to match.

Miscellaneous Options

Description	Specify
Torx® Head Screws	M04
ANSI wrought strike box (mortise)	M17
Knurling outside & inside (embossed touchbar - device side)*	M20
Knurling outside only (trim side)*	M21
Knurling inside only (embossed touchbar - device side)	M22
Abrasive coat outside and inside (trim and device)*	M23
Abrasive coat inside only (device side)	M24
Abrasive coat outside only (trim side)*	M25
Remote power harness	M35
Less dogging	M51
Cylinder dogging	M52
Sex nuts and bolts (SNBs)	M54
Shim kit (for vision light)	M58
Wood screws for use on fire-rated solid wood or wood core doors	M64

*not available with Vineyard™ or Muséo® levers.

Door Thickness

Door Thickness	Specify
1-3/4" (44mm)	standard
2" (51mm)	D200
2-1/4" (57mm)	D214

Door Width

Door Width	Specify
24" (610mm)	W024
36" (914mm)	standard
48" (1219mm)	W048

Credential Quick Codes

Description	Specify
Magstripe Only	MA
Keypad & Magstripe	KM
HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, MIFARE Classic, DESfire EV1, HID Prox®, NFC-enabled mobile phones, keypad, mag stripe	IKMPS*
HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, MIFARE Classic, DESfire EV1, HID Prox®, NFC-enabled mobile phones, mag stripe	IMPS*
FeliCa, HID Prox®, NFC-enabled mobile phones, keypad, mag stripe	CKMP*
FeliCa, HID Prox®, NFC-enabled mobile phones, mag stripe	CMP*

* For Bluetooth Smart support, add "B" to the beginning of the credential quick code.

Strikes

Description	Specify
Mortise ANSI strike for pairs of doors with astragal	SS078
Open back strike for 1-3/4" doors	SB134
Open back strike for 2-1/4" doors	SB214

Handing

Hand	Specify
Right Hand Reverse	RHR
Left Hand Reverse	LHR

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Access 700 | PWI1

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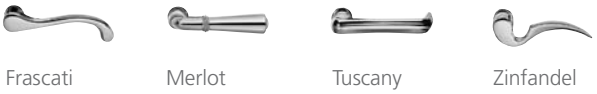
Lever Trim Designs

ED5000N 9700 x PWI1 Exit Device

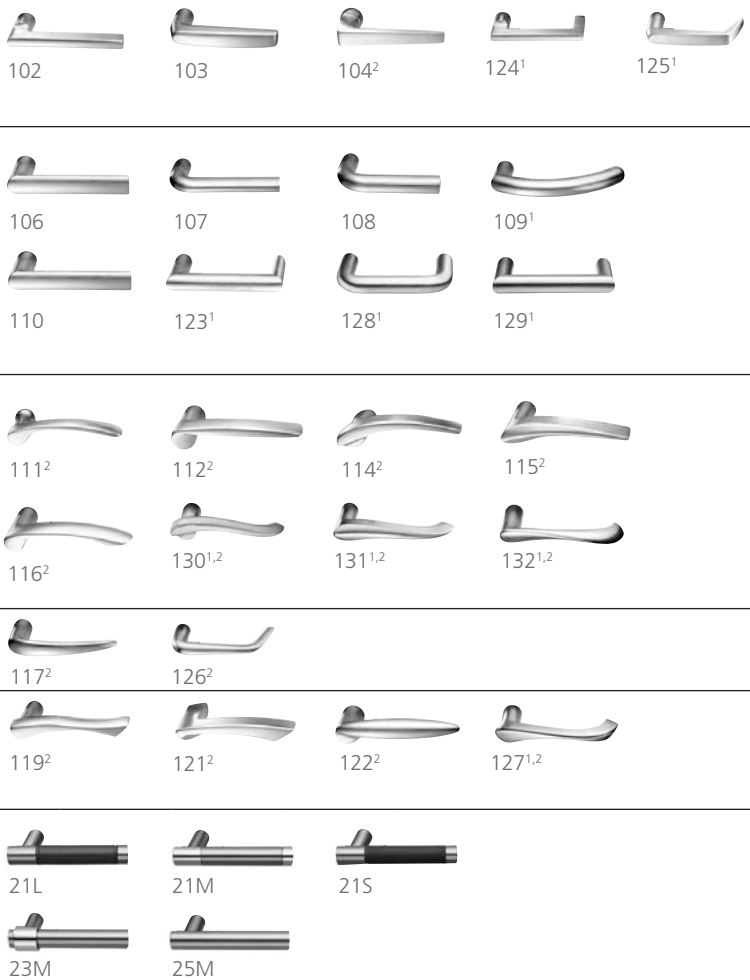
Standard		ED5200N x 9700	ED5600N x 9M700
Armstrong		A9700	A9M700
Newport		N9700	N9M700
Princeton		PR9700	PR9M700
Citation		C9700	C9M700
Dirke		D9700	D9M700
Essex		E9700	E9M700
Lustra		L9700	L9M700
Regis		R9700	R9M700



Vineyard			
Frascati		FR9700	FR9M700
Merlot		M9700	M9M700
Tuscany		TS9700	TS9M700
Zinfandel		Z9700	Z9M700



Muséo®			
Georgia	102	1029700	1029M700
	103	1039700	1039M700
	104	1049700	1049M700
	124	1249700	1249M700
	125	1259700	1259M700
Salvador	106	1069700	1069M700
	107	1079700	1079M700
	108	1089700	1089M700
	109	1099700	1099M700
	110	1109700	1109M700
	123	1239700	1239M700
	128	1289700	1289M700
	129	1299700	1299M700
Marc	111	1119700	1119M700
	112	1129700	1129M700
	114	1149700	1149M700
	115	1159700	1159M700
	116	1169700	1169M700
	130	1309700	1309M700
	131	1319700	1319M700
	132	1329700	1329M700
Pablo	117	1179700	1179M700
	126	1269700	1269M700
Jackson	119	1199700	1199M700
	121	1219700	1219M700
	127	1279700	1279M700
Piet	21L	21L9700	21L9M700
	21M	21M9700	21M9M700
	21S	21S9700	21S9M700
	23M	23M9700	23M9M700
	25M	25M9700	25M9M700



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available in 32D or 32 finish.

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ASSA ABLOY

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How to Order

ED5000N 9700 x PWI1 Exit Device

Ordering Examples

Exit Device Only

Quantity	Function	Technology Code	Finish	Hand
12	ED5200N	TCPWI1	626	LH

Trim Only

Quantity	Trim/Function	Technology Code	Finish	Hand	Credential Quick Code
24	N9733	TCPWI1	625	RHR	IKMPS

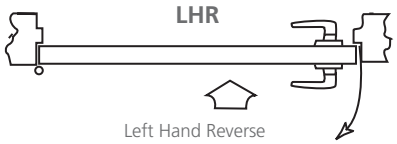
Exit Device with Trim

Quantity	Exit Device	Trim/ Function	Technology Code	Finish	Hand	Cylinder Option	Door Thickness	Optional Strike	Door Width	Misc. Options	Credential Quick Code
65	ED5633ALN	F9M734	TCPWI1	605	LHR	6P	D200	SB134	W048	M51-M54	IMPS

Contract/Detailed Order - Rim Exit Device with Trim

Quantity	Keyset	Exit Device	Trim/Function	Technology Code	Finish	Hand	Door Width	Credential Quick Code	Cylinder Option
36	AA1	ED5200N	1149734	TCPWI1	605	LHR	W048	IKMPS	PS

Handing





Note: Arrow indicates secure side of door.

Exit Devices

Exit Device	Function	Trim						Finish	Hand
ED5200(A)	9733	Standard	Muséo®				Vineyard™	605	RHR
ED5202(A)	9734	A	102	112	125	21L	FR	606	LHR
ED5633(A)	9M733	N	103	114	126	21M	M	611	
ED5634(A)	9M734	PR	104	115	127	21S	TS	612	
		C	106	116	128	23M	Z	613	
		D	107	117	129	25M		618	
		E	108	119	130			619	
		L	109	121	131			625	
		R	110	123	132			626	
			111	124				626C	
								722	
								BSP	
								WSP	

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Available Trim Options

ED5000N 9700 x PWI1 Exit Device



Grooved Insert
21G



Leather Insert
21L



Polished with Satin Insert
21M



Santoprene™ Insert
21S



With Raised Band
23M



Plain
25M



Plain with Two Grooves
27M

Piet Finish Codes

Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
613E	3E	Dark Oxidized Satin Bronze, Equivalent
BSP	BS	Black Suede Powder Coat
WSP	WS	White Suede Powder Coat
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	303030, 292929, 293029, 302930, 3E003E, BS00BS OR WS00WS
21L	Leather Insert	30BK30, 30BN30, 29BK29, 29BN29, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS OR WSBNWS
21M	Metallic Insert	293029** or 303030
21S	Santoprene Insert	30BK30, 29BK29, 3E003E, BS00BS or WS00WS
23M	Raised Band	290030, 290029, 300030, 300029, 3E003E, BS00BS OR WS00WS
25M	Plain	290029, 300030, 3E003E, BS00BS or WS00WS
27M	Two Grooves	290029, 300030, 3E003E, BS00BS or WS00WS

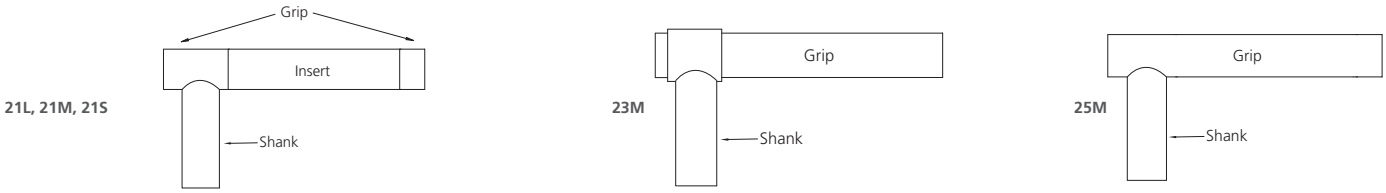
**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

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How to Order

ED5000N 9700 x PWI1 Exit Device

How to Order the Muséo® Piet Lever Collection



Trim Only

Quantity	Trim/ Function	Technology Code	Lever Finish	Lock Finish*	Hand	Credential Quick Code
2	21M9733	TCPWI1	293029	625	RHR	IKMPS

› Muséo® Piet Lever 21M - Polished with Satin Insert
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 625 Lock Finish
› Right hand reverse
› iCLASS®, Keypad, Magstripe, Prox, & Smart Card (MIFARE, DESFIRE)

Exit Device with Trim

Quantity	Exit Device	Trim/ Function	Technology Code	Lever Finish	Lock Finish*	Hand	Credential Quick Code	Cylinder Option	Door Thickness	Optional Strike	Door Width
2	ED5200N	21M9734	TCPWI1	293029	625	LHR	IKMPS	6P	D200	SB214	W048

Inside:
› Muséo® Piet Lever 21M - Polished with Satin Insert
› 293029 Lever Finish
› 48" wide door

Outside:
› Muséo® Piet Lever 21M - Polished with Satin Insert
› Key Override
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 625 Lock Finish
› Left hand reverse
› 6 pin cylinder
› 2-1/4" thick door
› iCLASS®, Keypad, Magstripe, Prox, & Smart Card (MIFARE, DESFIRE)

** Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.*

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Corbin Russwin ASSA ABLOY

Access 700 PWI1

Sold through:

Authorized Channel Partner
ASSA ABLOY

Features

FE66735 x PWI1 Multi-Point Lock



Multi-Point Lock - FE66735 x PWI1

FE6600 Series lock is a multi-point, deadlocking system developed to help protect lives while securing a community shelter and/or safe room entry. Sturdy heavy-duty steel components firmly secure the door within the frame – at top, bottom, and center latch points – fortifying the opening during a windstorm event. The FE6600 Series is UL-listed for FEMA P-361 (2015), FEMA P-320 (2014) and ICC 500 (2014) capable of withstanding severe wind speeds and flying debris. This device consists of concealed vertical rods with top and bottom latching complemented by a mortise lock with a latchbolt and deadbolt at the center of the door and an optional indicator to show the status of the top and bottom latches.

The lever rotation retracts the top bolt, the bottom bolt, and center bolts simultaneously. When retracted, the bolts are held in position as the door swings. As the door closes, the hold-back feature engages the frame and the top, center, and bottom bolts project simultaneously. With the deadbolt thrown, this system protects room occupants from threatening conditions. The FE6600 Series device can be used on fire-rated doors.

Features

- ANSI/BHMA A156.37 Grade 1 multi-point lock
- EcoFlex® technology offers improved battery life
- Complete, integrated lockset
- Patented, quick reversible latchbolt, 2-piece mechanical with anti-friction insert 5/8" (16mm) x 1" (25mm) x 3/4" (19mm).

Mechanical Features

- Certified to ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1
- Motor driven FE6600 Series Mortise Lock n 1-3/4" thick door only; fully integrated – FE6600 Series is part of a complete ASSA ABLOY windstorm solution utilizing Ceco StormPro® 361 and Curries StormPro® 361 doors and frames and McKinney® StormPro® hinges
- Stainless steel non-handed deadlocking latch
- Handed, easily field reversible without disassembling lockbody
- Concealed vertical assembly (rods, latches and cassette) pre-installed in door.
- Lever trim through-bolted for increased security and durability
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm certification information is listed in the Corbin Russwin FE6600 Series catalog

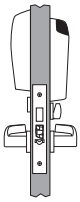
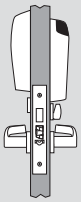
*Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

- All electronics and batteries mounted in inner escutcheon on secure side of door
- Keycard read upon removal ensuring that keycards are not left in the lock
- Available without keypad
- ADA compliant
- 7 year mechanical warranty; 2 year electrical component warranty

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Functions

FE66735 x PWI1 Multi-Point Lock

Outside	Inside	Series/Function	Type	Function Description
		FE66735 No Key Override With Deadbolt*	Entry	• Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user credential entered • When deadbolt thrown, outside lever operable only with certain authorized credentials
		FE66736 Key Override With Deadbolt	Entry With Deadbolt	• Key outside retracts deadbolt. Key outside also retracts latch and unlocks outside when trim is locked electronically • Top and bottom rods retracted by lever • Deadbolt projected and retracted by thumbturn or key

* Deadbolt required for escape return functionality (a residential requirement in Canada)

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Corbin Russwin ASSA ABLOY

Access 700 PWI1

Sold through:

Authorized Channel Partner
ASSA ABLOY

Technical Features

FE66735 x PWI1 Multi-Point Lock

Technical Data

Power Supply:	6 AA alkaline batteries
Voltage (max/min):	12-24 VDC / 5.5 VDC
Expected Battery Life:	1-3 years based on usage
Card Track:	Track 2
Card Coercivity	HiCo (4000 Oersted)

Monitoring

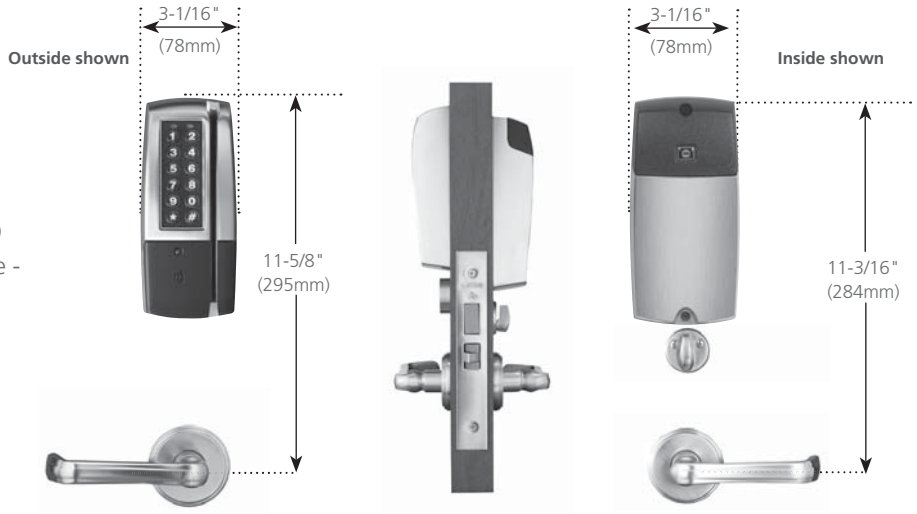
ML20700 x PWI1	Latchbolt (LX); Dead Bolt (DX)

Features

Operating Modes	**PIN required:** Specify KM, IKMPS, or CKMP; In addition to card, a 4 digit PIN might be required **No PIN required:** Specify MA, IMPS, CMP; Only card is required
Passage Modes	**Automatic:** The door automatically becomes unlocked during any passage mode **Manual:** The door only becomes unlocked after the first card of the day is presented (within a schedule) or might optionally be configured to require two consecutive swipes to toggle the passage state

Inside/Outside Escutcheons

- Keys/buttons overmolded to prevent wear
- Zinc die cast
- Tactile keypad
- LED's indicate valid/invalid entries
- Escutcheon projection 1-11/16" (43mm)
- Operating temperature: 32°F to 104°F (inside)
- Operating temperature: -4°F to 104°F (outside - heating element optional for card reader)
- Humidity: <95% non-condensing
- Storage temperature: -22°F (-30°C) to 176°F (80°C)



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Sold through:

Authorized Channel Partner
ASSA ABLOY

Access 700 | PWI1

Corbin Russwin
ASSA ABLOY

Quick Codes

FE66735 x PWI1 Multi-Point Lock

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613[1]
Dark Oxidized Satin Bronze - Equivalent	613E
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with *MicroShield*®	626C
Bright Stainless Steel	629[3]
Satin Stainless Steel	630[3]
Satin Stainless Steel with *MicroShield*	630C
Black Oxidized Bronze, Oil Rubbed	722[2]
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

[1] New, March 2007
[2] Formerly 613 prior to March 2007
[3] Escutcheon finished to match 629, 630 finish

Miscellaneous Options

Description	Specify
Torx® head screws	M04
ANSI wrought strike box	M17
Knurling outside and inside*	M20
Knurling outside only*	M21
Knurling inside only	M22
Abrasive coat outside and inside*	M23
Abrasive coat inside only*	M24
Abrasive coat outside only	M25
Remote power harness	M35

*not available with Vineyard™ or Muséo® levers.

Credential Quick Codes

Description	Specify
Magstripe Only	MA
Keypad & Magstripe	KM
HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, MIFARE Classic, DESfire EV1, HID Prox®, NFC-enabled mobile phones, keypad, mag stripe	IKMPS*
HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, MIFARE Classic, DESfire EV1, HID Prox®, NFC-enabled mobile phones, mag stripe	IMPS*
FeliCa, HID Prox®, NFC-enabled mobile phones, keypad, mag stripe	CKMP*
FeliCa, HID Prox®, NFC-enabled mobile phones, mag stripe	CMP*

* For Bluetooth Smart support, add "B" to the beginning of the credential quick code.

Handing

Hand	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR

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Access 700 PWI1

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Lever Trim Designs

FE66735 x PWI1 Multi-Point Lock

Standard Lever	A Rose	B Rose	F Rose
Armstrong	ASA	ASB	ASF
Newport	NSA	NSB	NSF
Princeton	PSA	PSB	PSF
Citation	CSA	CSB	CSF
Dirke	DSA	DSB	DSF
Essex	ESA	ESB	ESF
Lustra	LSA	LSB	LSF
Regis	RSA	RSB	RSF


Armstrong


Citation


Dirke


Essex*


Lustra*


Newport*


Princeton*


Regis

Vineyard™	G Rose
Frascati	FSG
Merlot	MSG
Tuscany	TSG
Zinfandel	ZSG


Frascati


Merlot


Tuscany


Zinfandel

Muséo®

Georgia


102


103


104[2]


124[1]


125[1]

Salvador


106


107


108


109


110


123[1]


128[1]


129[1]

Marc


111[2]


112[2]


114[2]


115[2]


116[2]


130[1,2]


131[1,2]


132[1,2]

Pablo


117[2]


126[1,2]

Jackson


105[2]


119[2]


120[2]


121[2]


127[1,2]

Piet


21L


21G


21M


21S


23M


25M


27M

1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available in 32D or 32 finish.

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ASSA ABLOY

Access 700 | PWI1

Corbin Russwin
ASSA ABLOY

Available Trim Options

FE66735 x PWI1 Multi-Point Lock

Muséo® Collection Roses[1]



2-3/4"
69.85mm

V Rose
Wrought



2-3/4"
69.85mm

U Rose
Wrought



2-3/4"
69.85mm

T Rose
Wrought



2-11/16
68.26mm

E2 Rose[2]
Wrought



2-3/16"
55.56mm

Y Rose
Wrought



2-5/16"
58.97mm

W Rose
Wrought



2-1/8"
53.98mm

X Rose
Wrought



2-1/16
52.39mm

E3 Rose[2]
Wrought

Thumbturns[3]

Specify quick code MT1, MT2, or MT3 for decorative turns. Standard thumbturn will be supplied without quick code.



1-1/2" dia
38.1mm

MT1



1-1/2"
38.1mm

MT2



1-1/2" dia
38.1mm

MT3

Notes:

1. Roses and Inspire trim are only available with Muséo levers.
2. Square cylinder collar and thumbturn backplate automatically supplied with E2 and E3 roses. Specify MT1, MT2, or MT3 for decorative thumbturns.
3. Thumbturn back plate will match shape of rose chosen (i.e. round or square).

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Sold through:
Authorized Channel Partner
ASSA ABLOY

How to Order

FE66735 x PWI1 Multi-Point Lock

Ordering Examples

Stock Order

Quantity	Series/Function	Technology Code	Trim	Finish	Hand	Credential Quick Code
24	FE66735	TCPWI1	LWA	626	RHR	IKMPS

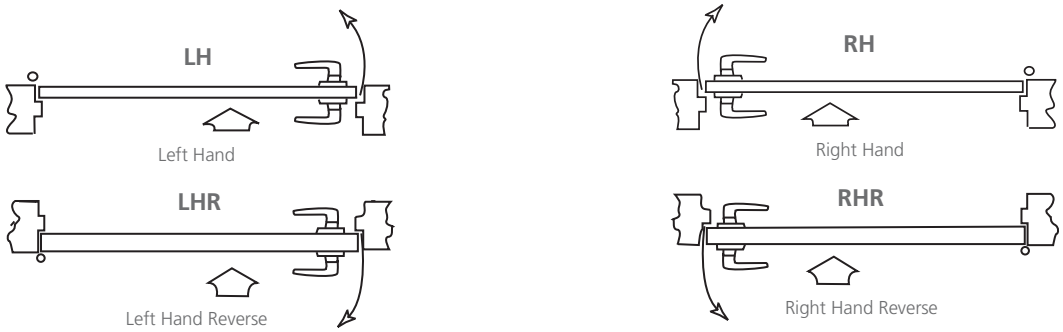
Split Trim/Finish Order

Quantity	Series/ Function	Technology Code	Trim		Finish		Hand	Credential Quick Code
			Outside	Inside	Outside	Inside		
24	FE66735	TCPWI1	CSA	CSA	626	606	RHR	IMPS

Contract/Detailed Order

Quantity	Series/Function	Technology Code	Trim	Finish	Hand	Credential Quick Code
24	FE66735	TCPWI1	111X	626	RHR	IKMPS

Handing



Note: Arrow indicates secure side of door.

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How to Order

FE66735 x PWI1 Multi-Point Lock

Multi-Point Locks

Function	Trim										Finish	Hand
	Standard			Muséo®						Vineyard™		
FE66735	ASA	ASB	ASF	102V	102U	102T	102Y	102X	102W	FSG	605	RH
	NSA	NSB	NSF	103V	103U	103T	103Y	103X	103W	MSG	606	RHR
	PSA	PSB	PSF	104V	104U	104T	104Y	104X	104W	TSG	611	LH
	CSA	CSB	CSF	124V	124U	124T	124Y	124X	124W	ZSG	612	LHR
	DSA	DSB	DSF	125V	125U	125T	125Y	125X	125W		613	
	ESA	ESB	ESF	106V	106U	106T	106Y	106X	106W		618	
	LSA	LSB	LSF	107V	107U	107T	107Y	107X	107W		619	
	RSA	RSB	RSF	108V	108U	108T	108Y	108X	108W		625	
				109V	109U	109T	109Y	109X	109W		626	
				110V	110U	110T	110Y	110X	110W		722	
				123V	123U	123T	123Y	123X	123W		626C	
				128V	128U	128T	128Y	128X	128W		BSP	
				129V	129U	129T	129Y	129X	129W		WSP	
				111V	111U	111T	111Y	111X	111W			
				112V	112U	112T	112Y	112X	112W			
				114V	114U	114T	114Y	114X	114W			
				115V	115U	115T	115Y	115X	115W			
				116V	116U	116T	116Y	116X	116W			
				130V	130U	130T	130Y	130X	130W			
				131V	131U	131T	131Y	131X	131W			
				132V	132U	132T	132Y	132X	132W			
				117V	117U	117T	117Y	117X	117W			
				126V	126U	126T	126Y	126X	126W			
				119V	119U	119T	119Y	119X	119W			
				121V	121U	121T	121Y	121X	121W			
				127V	127U	127T	127Y	127X	127W			
				21LV	21LU2	21LT	21LY	21LX	21LW			
				21MV	21MU	21MT	21MY	21MX	21MW			
				21SV	21SU	21ST	21SY	21SX	21SW			
				23MV	23MU	23MT	23MY	23MX	23MW			
				25MV	25MU	25MT	25MY	25MX	25MW			

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Corbin Russwin ASSA ABLOY

Access 700 PWI1

Sold through:

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ASSA ABLOY

Available Trim Options

FE66735 x PWI1 Multi-Point Lock



Grooved Insert
21G



Leather Insert
21L



Polished with Satin Insert
21M



Santoprene™ Insert
21S



With Raised Band
23M



Plain
25M



Plain with Two Grooves
27M

Piet Finish Codes

Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
613E	3E	Dark Oxidized Satin Bronze, Equivalent
BSP	BS	Black Suede Powder Coat
WSP	WS	White Suede Powder Coat
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	303030, 292929, 293029, 302930, 3E003E, BS00BS OR WS00WS
21L	Leather Insert	30BK30, 30BN30, 29BK29, 29BN29, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS OR WSBNWS
21M	Metallic Insert	293029** or 303030
21S	Santoprene Insert	30BK30, 29BK29, 3E003E, BS00BS or WS00WS
23M	Raised Band	290030, 290029, 300030, 300029, 3E003E, BS00BS OR WS00WS
25M	Plain	290029, 300030, 3E003E, BS00BS or WS00WS
27M	Two Grooves	290029, 300030, 3E003E, BS00BS or WS00WS

**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

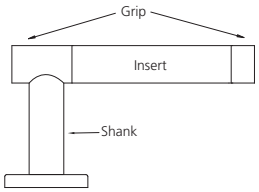
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How To Order

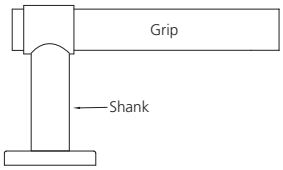
FE66735 x PWI1 Multi-Point Lock

How to Order the Muséo® Piet Lever Collection

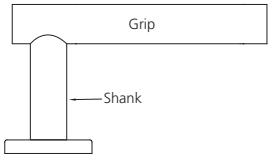
21L, 21M, 21S



23M



25M



Stock Order

Quantity	Series/ Function	Technology Code	Trim	Lever Finish	Lock Finish*	Hand	Credential Quick Code
2	FE66735	TCPWI1	21MV	293029	625	RHR	IKMPS

› Muséo® Piet Lever 21M - Polished with Satin Insert – with V rose
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 625 Lock Finish
› Right hand reverse
› iCLASS®, Keypad, Magstripe, Prox, & Smart Card (MIFARE, DESFIRE)

Stock Order

Quantity	Series/ Function	Technology Code	Trim	Lever Finish	Lock Finish*	Hand	Credential Quick Code
2	FE66735	TCPWI1	21MU	293029	625	RHR	IMPS

› Muséo® Piet Lever 21M - Polished with Satin Insert – with U rose
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 625 Lock Finish
› Right hand reverse
› iCLASS®, Magstripe, Prox, & Smart Card (MIFARE, DESFIRE)

** Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.*

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Options & Accessories

Access 700 PWI1

Hard Power Option (M35)

The Hard Power option (Quick Code M35) is recommended for high traffic doors or openings that require online behavior. Hard powering an Access 700 PWI1 allows the lock to operate in an always connected mode. The PWI1 allows hard powering via an input of 12 to 24V DC and draws 200mA at 12V DC in always connected mode. Corbin Russwin offers a range of power supplies suitable for this application.

Operation

Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. All modular power supplies are designed to meet UL 1481 Standards.

Features

- Fire panel emergency release input
- PC Board mounted system LED indicator
- Regulated and filtered with input and output protection
- Battery charging is provided from a separate output terminal

Electrical Specifications

- Inputs: 115VAC @600mA
- Outputs: 12/24 VDC @ 1 Amp, 1.5 Amp or 4 Amp, Filtered and regulated output

Listings

- UL & cUL listed 1012 General Purpose Power Supply
- Fire & Burglar Alarm Power Supply Unit URT2
- Releasing device Accessory SYSW
- Access Control Systems Units ALVY
- Burglar Alarm Systems Power Supply APHY

Model	Description
BPS-24-1	Power supply 1.0 amp @ 24 VDC output
BPS-24-2	Power supply 2 amp @ 24 VDC output
BPS-24-4	Power supply 4 amp @ 24 VDC output
BPS-12-1	Power supply 1 amp @ 12 VDC output
BPS-12-3	Power supply 3 amp @ 12 VDC output

ElectroLynx® hinges and harnesses required for hard-powered IN120 applications are available through McKINNEY.

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Access 700 | PW11

Corbin Russwin ASSA ABLOY

Quick Code Index

Cylinder and Keying Options

Part No./ Quick Code	Description	Cylindrical	Mortise	Exit Device
6P	Conventional 6-pin	std	std	•
7P	Conventional 7-pin	•	•	•
LC	Less Cylinder(s)	•	•	std
HS	Security	•	•	•
CHS	Security IC	•	•	•
PS	Pyramid Security	•	•	•
PCS	Pyramid Security IC	•	•	•
PHS	Pyramid High Security Fixed Core	•	•	•
PCHS	Pyramid High Security IC	•	•	•
CTP	Pyramid IC with Temporary Construction Core	•	•	•
CLP	Pyramid IC Less Core	•	•	•
C6	IC 6-pin	•	•	•
CT6R	IC 6-pin with Temporary Construction Core (Red)	•	•	•
CT6B	IC 6-pin with Temporary Construction Core (Blue)	•	•	•
CT6G	IC 6-pin with Temporary Construction Core (Green)	•	•	•
CL6	IC 6-pin Less Core	•	•	•
CLS6	SFIC 6-pin with Less Core		•	•
CT6SD	SFIC 6-pin with SFIC disposable temporary core		•	•
CTSD	SFIC 6- or 7-pin Small Format Disposable Core[1]	•		
C7	IC 7-pin	•	•	•
CT7R	IC 7-pin with Temporary Construction Core (Red)	•	•	•
CT7B	IC 7-pin with Temporary Construction Core (Blue)	•	•	•
CT7G	IC 7-pin with Temporary Construction Core (Green)	•	•	•
CL7	IC 7-pin Less Core	•	•	•
CLS7	SFIC 7-pin with Less Core		•	•
CT7SD	SFIC 7-pin with SFIC disposable temporary core		•	•
CTPD	Pyramid Disposable Core	•	•	•
CT6D	6-pin IC with Disposable Core	•	•	•
CT7D	7-pin IC with Disposable Core	•	•	•
	0-bitted with 2 Blank Keys	std	std	(with cylinder)
KR	Keyed random	•	•	•
CMK	Construction master keyed	•	•	•
VKC0	Visual Key Control (VKC) - No bitting or keyset stamping on keys	•	•	•
VKC1	Visual Key Control (VKC) - Keys only	•	•	•
VKC2	Visual Key Control (VKC) - Cylinders and Keys (not for HS, CHS, PHS, or PCHS)	•	•	•
VKC3	Visual Key Control (VKC) - Cylinders only (not for HS, CHS, PHS, or PCHS)		•	•
CKC2	Concealed Key Control (CKC) - Cylinders with VKC keys	•	•	•
CKC3	Concealed Key Control (CKC) - Cylinders Only (not for PHS, PCHS)	•	•	•
	2 keys per Lock	std	std	std
KY# (e.g. KY6)	More than 2 keys	•	•	•
C	Lockset furnished in Schlage® C Keyway	•		
LA	Lockset furnished in SARGENT® LA Keyway	•		

Note: 1. Specify M08 for levers to accept SFIC cores; which ship standard with temporary disposable core

• = *available*

Credential Quick Codes

Description	Specify
Magstripe Only	MA
Keypad & Magstripe	KM
HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, MIFARE Classic, DESfire EV1, HID Prox®, NFC-enabled mobile phones, keypad, mag stripe	IKMPS*
HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, MIFARE Classic, DESfire EV1, HID Prox®, NFC-enabled mobile phones, mag stripe	IMPS*
FeliCa, HID Prox®, NFC-enabled mobile phones, keypad, mag stripe	CKMP*
FeliCa, HID Prox®, NFC-enabled mobile phones, mag stripe	CMP*

* For Bluetooth Smart support, add "B" to the beginning of the credential quick code.

Gaskets

795F439	Outside Escutcheon

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Corbin Russwin

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Canada L4K 4T9
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Fax: 905-738-2478
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For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

MicroShield™

MicroShield®
As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria. MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

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Access 700®

PIP1

PoE Campus Access Control

2014 Top-10 Green Building Product
GreenSpec® LISTED
www.BuildingGreen.com
Corbin Russwin PoE Access Control Locks



ASSA ABLOY, the global leader in door opening solutions

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Access 700 PIP1

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Overview

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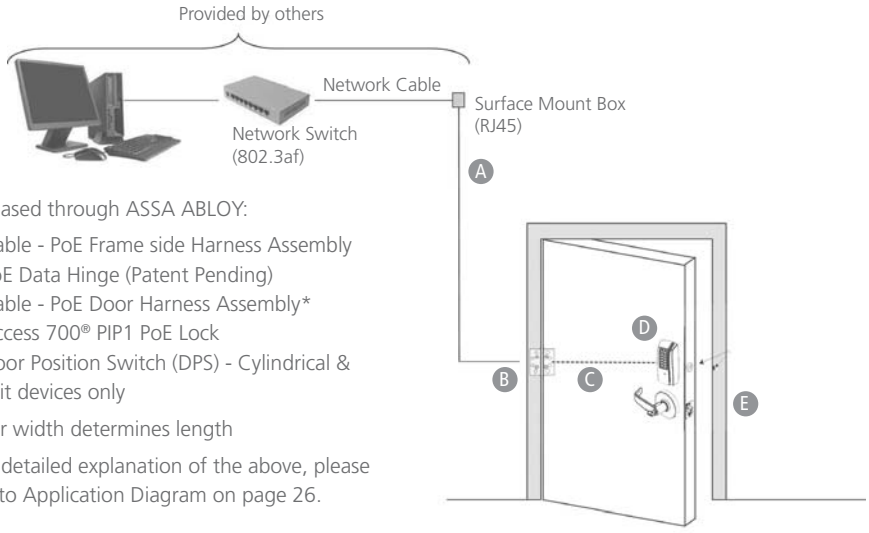
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The Corbin Russwin Access 700® PIP1 intelligent Power over Ethernet (PoE) lockset offers online access control, using magstripe, PIN code, and HID® multiCLASS SE® technologies for customized access to campus facilities. This offers an ideal solution for forward thinking campuses looking for an easy migration path to higher security credentials and mobile access.

Access 700® PIP1 Online PoE (Power over Ethernet) Typical Application



Purchased through ASSA ABLOY:

A. Cable - PoE Frame side Harness Assembly
B. PoE Data Hinge (Patent Pending)
C. Cable - PoE Door Harness Assembly*
D. Access 700® PIP1 PoE Lock
E. Door Position Switch (DPS) - Cylindrical & Exit devices only

*Door width determines length

For a detailed explanation of the above, please refer to Application Diagram on page 26.

Access 700® PIP1 Lock Features and Benefits

Features	Benefits
Utilizes IEEE 802.3af PoE-enabled network infrastructure for both power and data	• Streamlines the installation process, reducing costs • Eliminates the need for any proprietary equipment • Enables real-time communication
HID® multiCLASS SE® Technology with magnetic stripe reader	• Provides heightened security • Supports multiple credential technologies, offering easy migration from magnetic stripe or other contactless standards to higher security credentials or consolidation of mixed credentials • Supports HID Mobile Access® powered by Seos®
Keypad option available	• Two-factor authentication offers enhanced security
Intelligence built into lock for local decision making	• Lock operates regardless of network status* • Supports up to 2,400/10,000 users** • Provides a 10,000 event transaction history/audit trail
Privacy button	• Allows shelter in place / local lockdown • Enables privacy capabilities for applications such as residence halls
Reduced energy consumption and product sustainability measures	• Uses 76% less power in standby mode than traditional access control installations • Reuses existing network infrastructure • Streamlined system architecture provides improved reliability and reduces materials
Integrated ANSI/BHMA Grade 1 hardware, available in cylindrical lock, mortise lock, exit device and multi-point lock configurations	• Flexibility to support various openings • Assurance of high quality hardware
Available with a wide range of finishes and decorative levers	• Blends into any environment seamlessly • Designed to meet the requirements of designers and architects

*Requires power backup
**Contact your access control system manufacturer for more information

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Access 700 PIP1

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Overview

Applications
Access 700® PIP1 ideal for:
- Residence Halls
- Restrooms
- Dining Halls
- Libraries
- Book Stores
- Leisure Centers
- Sports Halls
- Classrooms
- Laboratories

Technical Specifications
- Conforms to IEEE 802.3af Class 1 standard, requiring up less than 3.84 watts

Access Credentials
Magnetic Stripe:
- Read speed: 4 to 40 in/s
- Card track: Track 2
- Card Coercivity: HiCo (4000 Oersted) or LoCo (300 Oersted)
- Time resolution on card: 1 minute
- Magnetic head lifetime: 300,000 operations

Keypad:
- PIN code: 4-digits with card, or 6-digits PIN only

Credential Reader:
- 2.4 GHz credentials:
  - Secure Identity Object™ (SIO) on Mobile IDs (Bluetooth Smart)
- 13.56 MHz credentials:
  - iCLASS®
  - iCLASS SE® (SIO-enabled)
  - iCLASS® Seos®
  - SIO on MIFARE® Classic
  - SIO on MIFARE DESfire® EV1
  - MIFARE Classic
  - DESfire EV1
  - NFC-enabled mobile phones
- 125 kHz credentials:

Security
- AES 128-bit encryption

EAC Regulatory Compliance:
- UL294 6th Edition (not applicable to FE6600)
- CAN/ULC S319 (not applicable to FE6600)
- BHMA A156.25 (not applicable to FE6600)



Cylindrical Lock - CL33700 x PIP1



Mortise Lock - ML20700 x PIP1



Exit Device - ED5000N x 9700 x PIP1



Multi-Point Lock - FE6600 x PIP1

MA **Magstripe Only** – Most existing magstripe ID cards work with the system including high coercivity magnetic stripe.
- Read speed: 4 to 40 in/s
- Magnetic head lifetime: 300,000 operations
- Card track: Track 2

KM **Keypad & Magstripe**
- PIN code: 4-digits with card, or 6-digits PIN only
- Read speed: 4 to 40 in/s
- Magnetic head lifetime: 300,000 operations
- Card track: Track 2

IKMPS* **HID® multiCLASS SE® reader, Keypad & Magstripe**
- PIN code: 4-digits with card, or 6-digits PIN only
- Read speed: 4 to 40 in/s
- Magnetic head lifetime: 300,000 operations
- Card track: Track 2
- iCLASS, keypad, mag stripe, Prox, smart card (MIFARE, DESFIRE)

IMPS* **HID® multiCLASS SE® reader & Magstripe**
- Read speed: 4 to 40 in/s
- Magnetic head lifetime: 300,000 operations
- Card track: Track 2
- iCLASS, mag stripe, Prox, smart card (MIFARE, DESFIRE)

CKMP* **HID® multiCLASS SE® reader, keypad & magstripe**
- PIN code: 4-digits with card, or 6-digits PIN only
- Read speed: 4 to 40 in/s
- Magnetic head lifetime: 300,000 operations
- Card track: Track 2
- FeliCa, keypad, mag stripe, Prox

CMP* **HID® multiCLASS SE® reader & magstripe**
- Read speed: 4 to 40 in/s
- Magnetic head lifetime: 300,000 operations
- Card track: Track 2
- FeliCa, mag stripe, Prox

* For Bluetooth Smart support, add "B" to the beginning of the credential quick code.

Software
Compatible with ASSA ABLOY's PERSONA Campus™ software or with approved third party access control software.

PERSONA Campus™ Software
PERSONA Campus™ Software is an advanced and flexible locking system that supports magstripe and 125 kHz prox or 13.56 MHz iCLASS® technology to provide seamless database integration and software interface with enterprise, transactional and housing systems. Campus™ Software provides customized access by user, by facility or individual lock.

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Access 700 PIP1

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Features

ML20700 x PIP1 Mortise Lock





Mortise Lock
ML20700 x PIP1

Integration of Corbin Russwin mechanical locking security with PoE intelligence, provides an intelligent, One Card solution for economical and effective campus access control. The ML20700 x PIP1 PoE locking solution features four operating modes: passage, card only, card plus PIN code, and PIN code only, providing scalable security credentials for any door, room or building.

Featuring EcoFlex™ technology, the integrated lockset uses a standard, high coercivity magnetic stripe card. Manual key override, a standard feature, provides for fail-safe backup in emergency situations.

Customize access, facilitated by on-board memory, lets you define unlimited access, extended-hours access or no access, by user, by facility, down to the individual lock. Audit trail capability provides a history of up to 10,000 events.

Features

- ANSI/BHMA A156.13 Grade 1 mortise lock
- Complete, integrated lockset
- Optional patented security cylinder — for emergency key override
- Patented, quick reversible latchbolt, 2-piece mechanical with anti-friction insert 5/8" (16mm) x 1" (25mm) x 3/4" (19mm). U.S. Patent #6,349,982

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw

- 3-hour UL fire rating for maximum security and safety
  Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.
- All electronics and batteries mounted in inner escutcheon on secure side of door
- Keycard read upon removal ensuring that keycards are not left in the lock
- Available without keypad
- ADA compliant
- 10 year mechanical warranty; 2 year electrical component warranty

The Access 700® PIP1 ML20700 mortise lock with deadbolt is required for escape return functionality (a residential requirement in Canada). No other Access 700® PIP1 locks will support this requirement.

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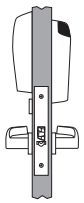
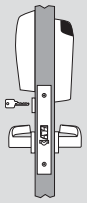
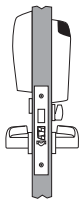
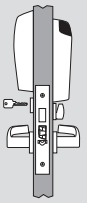
Access 700 PIP1

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Functions

ML20700 x PIP1 Mortise Lock

Outside / Inside	Series/Function	Type	Function Description
	ML20733 No Key Override No Deadbolt	Entry	• Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user credential entered • No deadbolt function
	ML20734 With Key Override No Deadbolt	Entry	• Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user credential entered • Key outside retracts latch
	ML20735 No Key Override With Deadbolt*	Entry	• Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user credential entered • When deadbolt thrown, outside lever operable only with certain authorized credentials
	ML20736 With Key Override and Deadbolt*	Entry	• Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user credential entered • Key outside projects or retracts deadbolt and retracts latch • When deadbolt projected, outside lever operable only with certain authorized credentials, or key (key retracts deadbolt and latch)

* Deadbolt required for escape return functionality (a residential requirement in Canada

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Access 700 PIP1

Corbin Russwin ASSA ABLOY

Technical Features

ML20700 x PIP1 Mortise Lock

Technical Data

Card Track:	Track 2
Card Coercivity	HiCo (4000 Oersted)

Monitoring

ML20700 x PIP1	Request to Exit (REX); Latchbolt (LX); Dead Bolt (DX); Auxiliary Latchbolt (AX)

Features

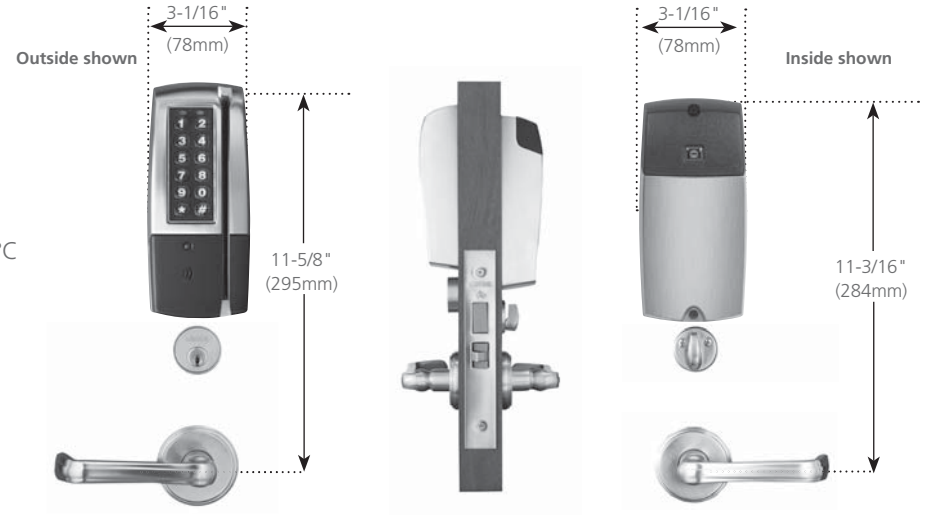
Operating Modes	**PIN required:** Specify KM, IKMPS, or CKMP; In addition to card, a 4 digit PIN might be required **No PIN required:** Specify MA, IMPS, CMP; Only card is required
Passage Modes	**Automatic:** The door automatically becomes unlocked during any passage mode **Manual:** The door only becomes unlocked after the first card of the day is presented (within a schedule) or might optionally be configured to require two consecutive swipes to toggle the passage state

Electrical Specifications

- Power supplied through Ethernet
- Class 1 Device defined by IEEE 802.3af requiring max 3.84 watts
- Network Drop Cable (by others) Specifications:
  - Cat5e or higher
  - Belden 1533P D15A1000 or equivalent
  - TIA/EIA-568-B
  - Shielded with drain wire
  - Plenum-rated
  - 24AWG
- FCC Part 15-compliant
- Network Surface Mount Box:
  - Cat5e or higher (RJ45)
  - TIA/EIA-568-B

Inside/Outside Escutcheons

- Keys/buttons overmolded to prevent wear
- Zinc die cast
- Tactile keypad
- LED's indicate valid/invalid entries
- Escutcheon projection 1-11/16" (43mm)
- Operating temperature: -31°F to 150°F (-35°C to 65°C)
- • Operating humidity: 5% to 95% relative humidity non-condensing
- Storage temperature: -22°F (-30°C) to 176°F (80°C)



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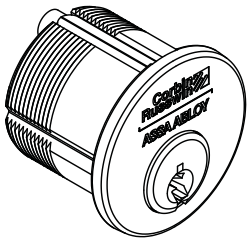
Cylinders

ML20700 x PIP1 Mortise Lock

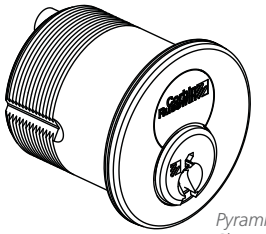
Cylinders

- Conventional (standard)
- Pyramid (optional)
- Interchangeable Core (IC)
- 2 nickel silver keys
- Finishes: See Key Systems and Pyramid

Conventional (Fixed Core)



Interchangeable Core (IC)



Pyramid Shown

Cylinder Quick Codes

Mortise Cylinder Type	Keyed Functions for 1-3/4" Door
Pyramid High Security (PHS)	1020-114-A01
Pyramid High Security Interchangeable Core (PCHS)	1030-114-A01
Pyramid Security (PS)	1027-114-A01
Pyramid Security IC (PCS)	1037-114-A01
Conventional 6-pin	1000-118-A01
7-pin (7P)	1000-114-A01
6-pin IC (C6)	1080-114-A01
7-pin IC (C7)	1080-112-A01-7
Security IC (CHS)	1090-114-A01
Security (HS)	1010-118-A01

For complete Pyramid information and options refer to Key Systems catalog.

To order optional cylinder with lockset, see Quick Codes, page 28.

To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 1000-138-A01 x L4 x 626).

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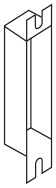
Options & Accessories

ML20700 x PIP1 Mortise Lock

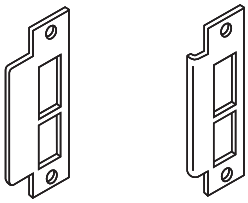
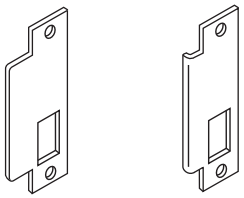
Strikes

ANSI Straight Lip (standard)
Brass, Bronze or Stainless Steel
Non-handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center
Optional lip lengths: 7/8" (22mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-1/2" (38mm),
1-3/4" (44mm), 2" (51mm),
2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

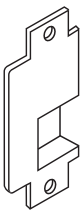
ANSI Curved Lip
Brass, Bronze or Stainless Steel
Handed 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center
Optional lip lengths: 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm),
3" (76mm)



ANSI Wrought Strike Box
To order with lockset; see Quick Codes, page. 8.
To order separately, specify 120F768.

		Part No.	Description
Latchbolt X Deadbolt		236L72	Straight Lip
		340L60	Curved Lip for RH, LHR
		340L61	Curved Lip for LH, RHR
Latchbolt Only		236L73	Straight Lip
		340L62	Curved Lip for RH, LHR
		340L63	Curved Lip for LH, RHR

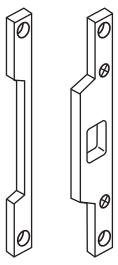
To order strike with lockset, see Quick Codes, page 8. To order strike separately, specify Part No. x Lip Length x Finish (e.g., 340L60 x 1-1/2" x 626).



Open Back
Size: 5-1/4" (133mm) x 1-1/4" (32mm)

Hand	Door Thickness	Part
LHR	1-3/4" (44mm)	411L63016
	2" (51mm)	411L63018
	2-1/4" (57mm)	411L63020
RHR	1-3/4" (44mm)	411L62016
	2" (51mm)	411L62018
	2-1/4" (57mm)	411L62020

To order with lockset; see Quick Codes, page 8.
To order separately, specify Part No. x Door Thickness x Finish (e.g., 411L62 x 2" x 626).



Rabbeted Front and Strike
Brass or bronze. For 1/2" (13mm) rabbet.
No optional lip lengths.

	Part No.	Hand
Latchbolt x deadbolt	318F66 318F69	RH/LHR LH/RHR
Latchbolt only	318F64 318F67	RH/LHR LH/RHR

To order with lockset; see Quick Codes, page 8.
To order separately, specify Part No. x Finish (e.g., 318F66 x 626).

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Corbin Russwin ASSA ABLOY

Access 700 PIP1

Sold through:

Authorized Channel Partner
ASSA ABLOY

Quick Codes

ML20700 x PIP1 Mortise Lock

Cylinders and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less Cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with Temporary Construction Core Red Blue Green	 CT6R CT6B CT6G
CI 6-pin Less Core	CL6
SFIC 6-pin with Less Core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin	C7
IC 7-pin with Temporary Construction Core Red Blue Green	 CT7R CT7B CT7G
IC 7-pin Less Core	CL7
SFIC 7-pin with Less Core	CLS7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
Security	HS
Security IC	CHS
Pyramid Fixed Core	PHS
Pyramid IC	PCHS
Pyramid IC Less Core	CLP
Pyramid with Temporary Construction Core	CTP
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
Keyed Random (Standard)	KR
Construction Master Keyed (not available for Pyramid)	CMK
Visual Key Control - No Keying Data Stamped on Key or Cylinder - Keys Only - Cylinders and Keys (not for HS, CHS, PHS or PCHS) - Cylinders Only (not for HS, CHS, PHS or PCHS)	 VKC0 VKC1 VKC2 VKC3
Concealed Key Control (CKC) - CKC Cylinders with VKC Keys - CKC Cylinders Only (not for PHS, PCHS)	 CKC2 CKC3
2 Keys per Lock	(standard)
More than 2 Keys	KY# (e.g., KY6)

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613[1]
Dark Oxidized Satin Bronze - Equivalent	613E
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with *MicroShield*®	626C
Bright Stainless Steel	629[3]
Satin Stainless Steel	630[3]
Satin Stainless Steel with *MicroShield*	630C
Black Oxidized Bronze, Oil Rubbed	722[2]
Black Suede Powder Coat	BSP
White Suede Powder Coat	WBSP

[1] New, March 2007
[2] Formerly 613 prior to March 2007
[3] Escutcheon finished to match 629, 630 finish

Miscellaneous Options

Description	Specify
Torx® head screws	M04
ANSI wrought strike box	M17
Knurling outside and inside*	M20
Knurling outside only*	M21
Knurling inside only	M22
Abrasive coat outside and inside*	M23
Abrasive coat inside only*	M24
Abrasive coat outside only	M25

*not available with Vineyard™ or Muséo® levers.

Handing

Hand	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Door Thickness

Description	Specify
1-3/4" (44mm)	std
1-7/8" (48mm)	D178
2" (51mm)	D200
2-1/8" (54mm)	D218
2-1/4" (57mm)	D214

Consult factory for door thicknesses greater than 2-1/4

Credential Quick Codes

Description	Specify
Magstripe Only	MA
Keypad & Magstripe	KM
HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, MIFARE Classic, DESfire EV1, HID Prox®, NFC-enabled mobile phones, keypad, mag stripe	IKMPS*
HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, MIFARE Classic, DESfire EV1, HID Prox®, NFC-enabled mobile phones, mag stripe	IMPS*
FeliCa, HID Prox®, NFC-enabled mobile phones, keypad, mag stripe	CKMP*
FeliCa, HID Prox®, NFC-enabled mobile phones, mag stripe	CMP*

* For Bluetooth Smart support, add "B" to the beginning of the credential quick code.

Strikes

ANSI Lip to Center	ANSI Straight Lip Specify	Curved Lip Specify
7/8" (22mm)	SS078	N/A
1-1/8" (29mm)	(standard)	N/A
1-1/4" (32mm)	SS114	SA114
1-3/8" (35mm)	SS138	SA138
1-1/2" (38mm)	SS112	SA112
1-3/4" (44mm)	SS134	SA134
2" (51mm)	SS200	SA200
2-1/4" (57mm)	SS214	SA214
2-1/2" (64mm)	SS212	SA212
2-3/4" (70mm)	SS234	SA234
3" (76mm)	SS300	SA300
Open Back Strike	Door Thickness	Specify
	1-3/4" (44mm)	SB134
	2" (51mm)	SB200
	2-1/4" (57mm)	SB214
Rabbeted front and strike - Specify		SR118

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Sold through:

Authorized Channel Partner
ASSA ABLOY

Access 700 | PIP1

Corbin Russwin
ASSA ABLOY

Lever Trim Designs

ML20700 x PIP1 Mortise Lock

Standard Lever	A Rose	B Rose	F Rose
Armstrong	ASA	ASB	ASF
Newport	NSA	NSB	NSF
Princeton	PSA	PSB	PSF
Citation	CSA	CSB	CSF
Dirke	DSA	DSB	DSF
Essex	ESA	ESB	ESF
Lustra	LSA	LSB	LSF
Regis	RSA	RSB	RSF


Armstrong


Citation


Dirke


Essex*


Lustra*


Newport*


Princeton*


Regis

Vineyard™	G Rose
Frascati	FSG
Merlot	MSG
Tuscany	TSG
Zinfandel	ZSG


Frascati


Merlot


Tuscany


Zinfandel

Muséo®

Georgia


102


103


104[2]


124[1]


125[1]

Salvador


106


107


108


109


110


123[1]


128[1]


129[1]

Marc


111[2]


112[2]


114[2]


115[2]


116[2]


130[1,2]


131[1,2]


132[1,2]

Pablo


117[2]


126[1,2]

Jackson


105[2]


119[2]


120[2]


121[2]


127[1,2]

Piet


21L


21G


21M


21S


23M


25M


27M

1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available in 32D or 32 finish.

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Corbin Russwin ASSA ABLOY

Access 700 PIP1

Sold through:

Authorized Channel Partner ASSA ABLOY

How to Order

ML20700 x PIP1 Mortise Lock

Ordering Examples

Stock Order

Quantity	Series/Function	Technology Code	Trim	Finish	Hand	Credential Quick Code
24	ML20736	TCPIP1	LWA	626	RHR	IKMPS

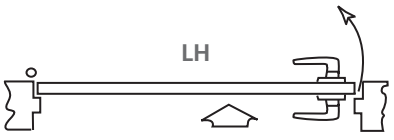
Split Trim/Finish Order

Quantity	Series/ Function	Technology Code	Trim		Finish		Hand	Credential Quick Code
			Outside	Inside	Outside	Inside		
24	ML20735	TCPIP1	CSA	CSA	626	606	RHR	IMPS

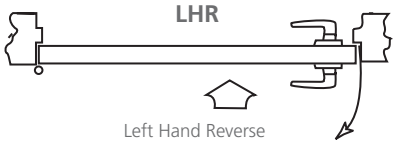
Contract/Detailed Order

Quantity	Keyset	Series/ Function	Technology Code	Trim	Finish	Hand	Door Thickness	Optional Strike	Optional Cylinder	Keying	Credential Quick Code
24	AA1	ML20734	TCPIP1	111X	626	RHR	D214	SA200	PS	VKC3	CKMP

Handing



Left Hand



Left Hand Reverse



Right Hand



Right Hand Reverse

Note: Arrow indicates secure side of door.

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How To Order

ML20700 x PIP1 Mortise Lock

Mortise Locksets

Function	Trim										Finish	Hand
	Standard			Muséo®						Vineyard™		
ML20733											605	RH
ML20734	ASA	ASB	ASF	102V	102U	102T	102Y	102X	102W	FSG	606	RHR
ML20735	NSA	NSB	NSF	103V	103U	103T	103Y	103X	103W	MSG	611	LH
ML20736	PSA	PSB	PSF	104V	104U	104T	104Y	104X	104W	TSG	612	LHR
	CSA	CSB	CSF	124V	124U	124T	124Y	124X	124W	ZSG	613	
	DSA	DSB	DSF	125V	125U	125T	125Y	125X	125W		618	
	ESA	ESB	ESF	106V	106U	106T	106Y	106X	106W		619	
	LSA	LSB	LSF	107V	107U	107T	107Y	107X	107W		625	
	RSA	RSB	RSF	108V	108U	108T	108Y	108X	108W		626	
				109V	109U	109T	109Y	109X	109W		722	
				110V	110U	110T	110Y	110X	110W		626C	
				123V	123U	123T	123Y	123X	123W			
				128V	128U	128T	128Y	128X	128W			
				129V	129U	129T	129Y	129X	129W			
				111V	111U	111T	111Y	111X	111W			
				112V	112U	112T	112Y	112X	112W			
				114V	114U	114T	114Y	114X	114W			
				115V	115U	115T	115Y	115X	115W			
				116V	116U	116T	116Y	116X	116W			
				130V	130U	130T	130Y	130X	130W			
				131V	131U	131T	131Y	131X	131W			
				132V	132U	132T	132Y	132X	132W			
				117V	117U	117T	117Y	117X	117W			
				126V	126U	126T	126Y	126X	126W			
				119V	119U	119T	119Y	119X	119W			
				121V	121U	121T	121Y	121X	121W			
				127V	127U	127T	127Y	127X	127W			
				21LV	21LU	21LT	21LY	21LX	21LW			
				21MV	21MU	21MT	21MY	21MX	21MW			
				21SV	21SU	21ST	21SY	21SX	21SW			
				23MV	23MU	23MT	23MY	23MX	23MW			
				25MV	25MU	25MT	25MY	25MX	25MW			

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Corbin Russwin ASSA ABLOY

Access 700 PIP1

Sold through:

Authorized Channel Partner
ASSA ABLOY

Available Trim Options

ML20700 x PIP1 Mortise Lock



Grooved Insert
21G



Leather Insert
21L



Polished with Satin Insert
21M



Santoprene™ Insert
21S



With Raised Band
23M



Plain
25M



Plain with Two Grooves
27M

Piet Finish Codes

Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
613E	3E	Dark Oxidized Satin Bronze, Equivalent
BSP	BS	Black Suede Powder Coat
WSP	WS	White Suede Powder Coat
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	303030, 292929, 293029, 302930, 3E003E, BS00BS OR WS00WS
21L	Leather Insert	30BK30, 30BN30, 29BK29, 29BN29, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS OR WSBNWS
21M	Metallic Insert	293029** or 303030
21S	Santoprene Insert	30BK30, 29BK29, 3E003E, BS00BS or WS00WS
23M	Raised Band	290030, 290029, 300030, 300029, 3E003E, BS00BS OR WS00WS
25M	Plain	290029, 300030, 3E003E, BS00BS or WS00WS
27M	Two Grooves	290029, 300030, 3E003E, BS00BS or WS00WS

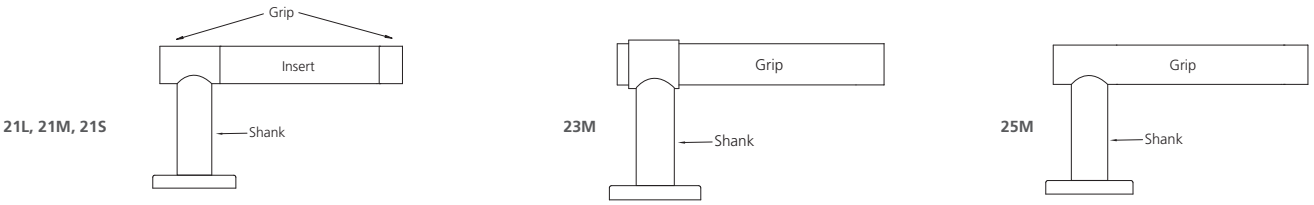
**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

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How To Order

ML20700 x PIP1 Mortise Lock

How to Order the Muséo® Piet Lever Collection



Stock Order

Quantity	Series/ Function	Technology Code	Trim	Lever Finish	Lock Finish*	Hand	Credential Quick Code
2	ML20736	TCPIP1	21MV	293029	625	RHR	IKMPS

› Muséo® Piet Lever 21M - Polished with Satin Insert – with V rose
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 625 Lock Finish
› Right hand reverse
› iCLASS®, Keypad, Magstripe, Prox, smart card (MIFARE, DESFIRE)

Stock Order

Quantity	Series/ Function	Technology Code	Trim	Lever Finish	Lock Finish*	Hand	Credential Quick Code
2	ML20735	TCPIP1	21MU	293029	625	RHR	IMPS

› Muséo® Piet Lever 21M - Polished with Satin Insert – with U rose
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 625 Lock Finish
› Right hand reverse
› iCLASS®, Magstripe, Prox, smart card (MIFARE, DESFIRE)

** Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.*

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Corbin Russwin ASSA ABLOY

Access 700 PIP1

Sold through:

Authorized Channel Partner
ASSA ABLOY

Features & Functions

CL33700 x PIP1 Cylindrical Lock





Cylindrical Lock
CL33700 x PIP1

Integration of Corbin Russwin mechanical locking security with PoE intelligence, provides an intelligent, One Card solution for economical and effective campus access control. The CL33700 x PIP1 PoE locking solution features four operating modes: passage, card only, card plus PIN code, and PIN code only, providing scalable security credentials for any door, room or building.

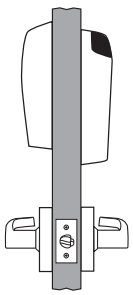
The integrated lockset uses a standard, high coercivity magnetic stripe card. Manual key override, a standard feature, is provided for fail-safe backup in emergency situations.

Customized access, facilitated by on-board memory lets you define unlimited access, extended-hours access or no access, by user, by facility, down to the individual lock. Audit trail capability provides a history of up to 10,000 events.

Features

- ANSI/BHMA A156.2 Grade 1 lock
- Complete, integrated lockset
- Optional patented security cylinder – for emergency key override
- Stainless steel deadlocking latchbolt x 1/2" throw
- 3-hour UL fire rating for maximum security and safety

  Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.
- All electronics and batteries mounted in inner escutcheon on secure side of door
- Keycard read upon removal ensuring that keycards are not left in the lock
- Available without keypad
- ADA compliant
- 7 year mechanical warranty; 2 year electrical component warranties

Outside	Inside	Series/Function	Type	Function Description
		CL33734 With Cylinder	Entry	• Latch retracted by inside lever at all times • Key outside retracts latch • Outside lever locked (free-wheeling) except when in "passage" mode or valid user code entered

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Sold through:

Authorized Channel Partner
ASSA ABLOY

Access 700 | PIP1

Corbin Russwin
ASSA ABLOY

Technical Features

CL33700 x PIP1 Cylindrical Lock

Technical Data

Card Track:	Track 2
Card Coercivity	HiCo (4000 Oested)

Monitoring

CL3370 x PIP1	Request to Exit (REX) (non-handed); external door position switch (DPS)

Features

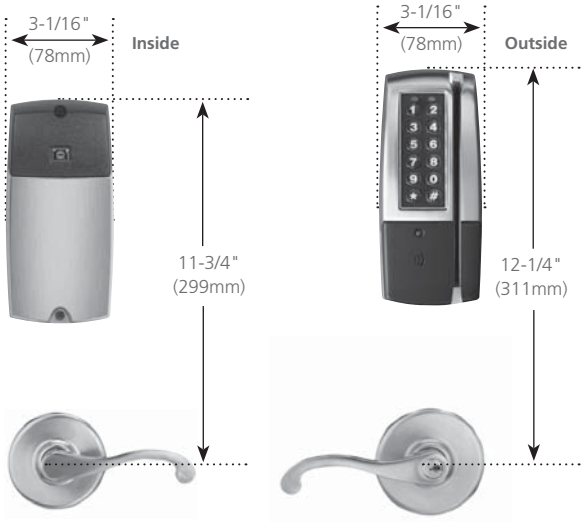
Operating Modes	**PIN required:** Specify KM, IKMPS, or CKMP; In addition to card, a 4 digit PIN might be required **No PIN required:** Specify MA, IMPS, CMP; Only card is required
Passage Modes	**Automatic:** The door automatically becomes unlocked during any passage mode **Manual:** The door only becomes unlocked after the first card of the day is presented (within a schedule) or might optionally be configured to require two consecutive swipes to toggle the passage state

Electrical Specifications

- Power supplied through Ethernet
- Class 1 Device defined by IEEE 802.3af requiring max 3.84 watts
- Network Drop Cable (by others) Specifications:
  - Cat5e or higher
  - Belden 1533P D15A1000 or equivalent
  - TIA/EIA-568-B
  - Shielded with drain wire
  - Plenum-rated
  - 24AWG
- FCC Part 15-compliant
- Network Surface Mount Box:
  - Cat5e or higher (RJ45)
  - TIA/EIA-568-B

Escutcheons

- Zinc die cast
- Tactile keypad
- LED's indicate valid/invalid entries
- Keys/buttons overmolded to prevent wear
- Escutcheon projection 1-11/16" (43mm)
- Operating temperature: -31°F to 150°F (-35°C to 65°C)
- Operating humidity: 5% to 95% relative humidity non-condensing
- Storage temperature: -22°F (-30°C) to 176°F (80°C)



45165-2/19

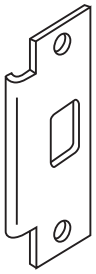
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Options & Accessories

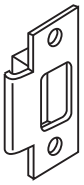
CL33700 x PIP1 Cylindrical Lock

Strikes



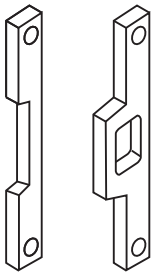
ANSI Curved Lip (standard)
Brass or stainless steel,
4-7/8" (124mm) x 1-1/4" (32mm) x
1-1/4" (32mm) lip to center.
Optional lip lengths: 1" (25mm),
1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm),
1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm),
2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm).

- To order with lockset, see Quick Codes on next page.
- To order separately, specify 217L13 x Lip Length x Finish.



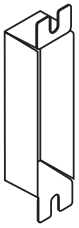
Curved Lip Box
Brass, 2-3/4" (70mm) x 1-1/8" (29mm)
x 1-1/4" (32mm) lip to center.
Optional lip lengths: 1" (25mm), 1-1/8" (29mm),
1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm),
2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm),
2-3/4" (70mm), 3" (76mm).

- To order with lockset, see Quick Codes on next page.
- To order separately, specify 586L19 x Lip Length x Finish.



Rabbeted Front and Strike
Brass, 4" (102mm) x 5/8"
(16mm) for 1/2" (13mm) rabbet.
No optional lip lengths.

- To order with lockset, see Quick Codes on next page.
- To order separately, specify 601F28 x Finish.



ANSI Wrought Strike Box

- To order with lockset, see Quick Codes on next page.
- To order separately, specify 120F768.

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Access 700 | PIP1

Corbin Russwin
ASSA ABLOY

Quick Codes

CL33700 x PIP1 Cylindrical Lock

Cylinders and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less Cylinder(s)	LC
Security	HS
Security IC	CHS
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid with Temporary Construction Core	CTP
Pyramid Less Core	CLP
IC 6-pin	C6
IC 6-pin with Temporary Construction Core	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 6-pin Less Core	CL6
IC 7-pin	C7
IC 7-pin with Temporary Construction Core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin Less Core	CL7
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
SFIC 6- or 7-pin Small Format Disposable Core	CTSD
0-Bitted with 2 Blank Keys	(standard)
Keyed Random	KR
Construction Master Keyed	CMK
Visual Key Control (VKC)	
- No Bitting or Keyset Stamping on Keys	VKC0
- Keys Only	VKC1
- Cylinders and Keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders Only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed Key Control (CKC)	
- CKC Cylinders with VKC Keys	CKC2
- CKC Cylinders Only (not for PHS, PCHS)	CKC3
2 Keys per Lock	(standard)
More than 2 Keys	KY# (e.g., KY6)
Schlage® C Keyway cylinder[1]	C
Schlage® LA Keyway cylinder[2]	LA

1 Available 0-bitted & keyed random (KR) only
2 Available 0-bitted only

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze, Clear Coated	613L
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Black Oxidized Bronze, Oil Rubbed	722
Satin Chrome with MicroShield®	626C
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

Miscellaneous Options

Description	Specify
Torx® Head Screws	M04
Less cylinder, with tailpiece for Schlage® cylinder	M06
Lever to accept Best® type core (NZD & PZD designs only)	M08
Lever to accept SARGENT® cylinder (NZD & PZD design only)	M09
Rounded corners on latch front	M13
3/4" (19mm) throw fire latch	M16
ANSI wrought strike box	M17
Knurling outside and inside	M20
Knurling outside only	M21
Knurling inside only	M22
Abrasive coat outside and inside	M23
Abrasive coat inside only	M24
Abrasive coat outside only	M25
Lever to accept Schlage® interchangeable core (NZD & PZD design only)	M69

Backset

Description	Specify
2-3/4" (70mm)	(standard)
3-3/4" (95mm)	B334
5" (127mm)	B500

Door Thickness

Door Thickness	Specify
1-3/4" (44mm) - 2" (51mm)	(standard)
2" (51mm) - 2-1/4" (57mm)	D214

Credential Quick Codes

Description	Specify
Magstripe Only	MA
Keypad & Magstripe	KM
HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, MIFARE Classic, DESfire EV1, HID Prox®, NFC-enabled mobile phones, keypad, mag stripe	IKMPS*
HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, MIFARE Classic, DESfire EV1, HID Prox®, NFC-enabled mobile phones, mag stripe	IMPS*
FeliCa, HID Prox®, NFC-enabled mobile phones, keypad, mag stripe	CKMP*
FeliCa, HID Prox®, NFC-enabled mobile phones, mag stripe	CMP*

* For Bluetooth Smart support, add "B" to the beginning of the credential quick code.

Strikes

Lip to Center	ANSI Curved Lip Specify	Curved Lip Box Specify
1" (25mm)	SA100	SC100
1-1/8" (29mm)	SA118	SC118
1-1/4" (32mm)	(standard)	SC114
1-3/8" (35mm)	SA138	SC138
1-1/2" (38mm)	SA112	SC112
1-3/4" (44mm)	SA134	SC134
2" (51mm)	SA200	SC200
2-1/4" (57mm)	SA214	SC214
2-1/2" (64mm)	SA212	SC212
2-3/4" (70mm)	SA234	SC234
3" (76mm)	SA300	SC300
Rabbeted front and strike		Specify SR118

Handing

Hand	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR

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Corbin Russwin ASSA ABLOY

Access 700 PIP1

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How to Order

CL33700 x PIP1 Cylindrical Lock

Ordering Examples

Stock Order

Quantity	Series/Function	Technology Code	Trim	Finish	Hand	Credential Quick Code
24	CL33734	TCPIP1	NZD	626	RHR	IKMPS

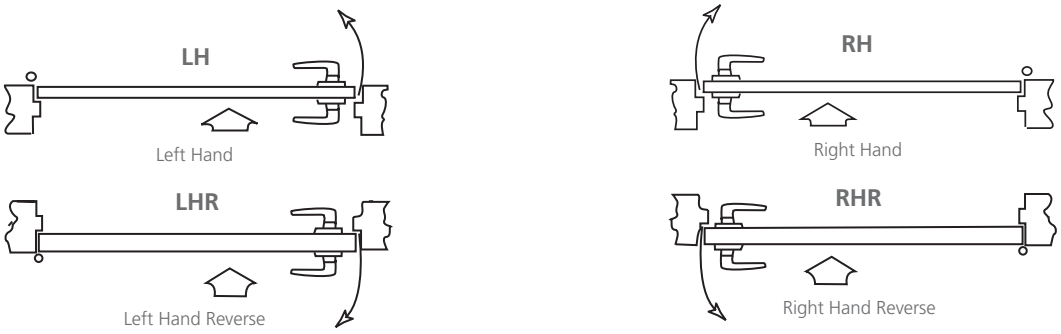
Split Trim/Finish Order

Quantity	Series/ Function	Technology Code	Trim		Finish		Hand	Credential Quick Code
			Outside	Inside	Outside	Inside		
24	CL33734	TCPIP1	NZD	AZD	626	625	LH	IMPS

Contract/Detailed Order

Quantity	Keyset	Series/ Function	Technology Code	Trim	Finish	Hand	Door Thickness	Optional Strike	Optional Cylinder	Keying	Credential Quick Code
24	AA1	CL33734	TCPIP1	FZD	626	RHR	D214	SA200	PS	VKC3	CKMP

Handing



Note: Arrow indicates secure side of door.

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Access 700 | PIP1

Corbin Russwin ASSA ABLOY

How to Order & Lever Trim Designs

CL33700 x PIP1 Cylindrical Lock

Cylindrical Locksets

Function	Trim	Finish	Hand	Backset
CL33734	Standard	605	RH	(standard)
	AZD	606	RHR	B334
	NZD	611	LH	B500
	PZD	612	LHR	
	FZD	613		
		618		
		619		
		625		
		626		
		722		
		626C		
		BSP		
		WSP		

Standard

Lever	D Rose
Armstrong	AZD
Newport	NZD
Princeton	PZD



Armstrong



Newport*



Princeton*

Vineyard™

	D Rose
Frascati	FZD



Frascati

*Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

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Access 700 PIP1

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Features

ED5000N 9700 x PIP1 Exit Device



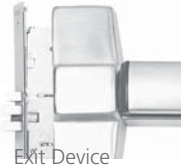


Exit Device
ED5000N x 9700 x PIP1



SECUREBOLT®

Featuring SecureBolt®
locking security



Exit Device
ED5600N x PIP1

Integration of Corbin Russwin life safety mechanical exit devices with PoE intelligence, provides an intelligent, One Card solution for economical and effective campus access control. The ED5000N x 9700 x PIP1 PoE locking solution features four operating modes: passage, card only, card plus PIN code, and PIN code only, providing scalable security credentials for any door, room or building.

Featuring EcoFlex technology, the integrated lockset uses a standard, high coercivity magnetic stripe card. Manual key override, a standard feature is provided for fail-safe backup in emergency situations.

Customized access, facilitated by on-board memory lets you define unlimited access, extended-hours access or no access, by user, by facility, down to the individual lock. Audit trail capability provides a history of up to 10,000 events.

Features

- ANSI/BHMA A156.3 Grade 1 Exit Device
- Complete, integrated lockset
- Optional patented security cylinder — for emergency key override
- 3-hour UL fire rating for maximum security and safety

  Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.
- All electronics and batteries mounted in inner escutcheon on secure side of door
- Keycard read upon removal ensuring that keycards are not left in the lock
- Available without keypad
- EcoFlex™ technology offers improved battery life
- ADA compliant
- 5 year mechanical warranty; 2 year electrical component warranty

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Technical Features

ED5000N 9700 x PIP1 Exit Device

Technical Data	
Card Track:	Track 2
Card Coercivity	HiCo (4000 Oested)

Monitoring	
ED5000N 9700 x PIP1	Request to Exit (REX); external door position switch (DPS)

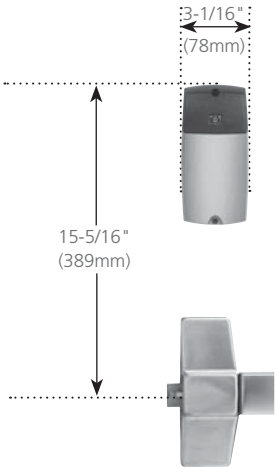
Features	
Operating Modes	**PIN required:** Specify KM, IKMPS, or CKMP; In addition to card, a 4 digit PIN might be required **No PIN required:** Specify MA, IMPS, CMP; Only card is required
Passage Modes	**Automatic:** The door automatically becomes unlocked during any passage mode **Manual:** The door only becomes unlocked after the first card of the day is presented (within a schedule) or might optionally be configured to require two consecutive swipes to toggle the passage state

Electrical Specifications

- Power supplied through Ethernet
- Class 1 Device defined by IEEE 802.3af requiring max 3.84 watts
- Network Drop Cable (by others) Specifications:
  - Cat5e or higher
  - Belden 1533P D15A1000 or equivalent
  - TIA/EIA-568-B
  - Shielded with drain wire
  - Plenum-rated
  - 24AWG
- FCC Part 15-compliant
- Network Surface Mount Box:
  - Cat5e or higher (RJ45)
  - TIA/EIA-568-B

Secure Side of Door

Rim/SecureBolt®, Mortise



Reader Escutcheon

- Zinc die cast
- Tactile keypad
- LED's indicate valid/invalid entries
- Keys/buttons overmolded to prevent wear
- Projection at top 1-5/8" (41mm)
- Operating temperature: -31°F to 150°F (-35°C to 65°C)
- Operating humidity: 5% to 95% relative humidity non-condensing
- Storage temperature: -22°F (-30°C) to 176°F (80°C)

Lever Escutcheon

- Brass cast

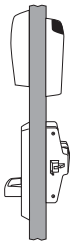
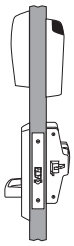
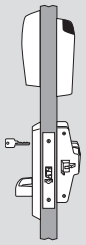


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Functions

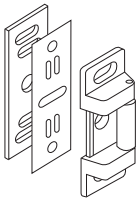
ED5000N 9700 x PIP1 Exit Device

Inside	Outside	Series/Function	Type	Function Description
		ED5200(A)N & ED5200S(A)N x 9733 x PIP1 No Key Override	Entry	• Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when in passage mode or valid user code entered
		ED5200(A)N & ED5200S(A)N x 9734 x PIP1 With Key Override	Entry	• Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when in passage mode or valid user code entered • Outside cylinder override allows lever to retract latch
		ED5633(A)LN x 9M733 x PIP1 No Key Override	Entry	• Latch retracted by inside push pad at all times • Outside lever rigid except when in passage mode or valid user code entered
		ED5634(A)LN x 9M734 x PIP1 With Key Override	Entry	• Latch retracted by inside push pad at all times • Outside lever rigid except when in passage mode or valid user code entered • Outside cylinder override retracts latch

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Option & Accessories

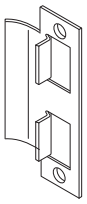
ED5000N 9700 x PIP1 Exit Device



Rim Strike
(Screws Included)

SecureBolt®, Fire-Rated Rim and Rim Strike

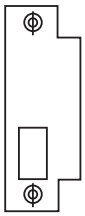
Standard on ED5200SN, ED5200S(A)N, ED5200(A)N and ED5200N devices. Supplied with locking plate and two 1/16" (1.6mm) shims. For doors with 1/2" (13mm) or 5/8" (16mm) stop. Adjustable to compensate for shrinkage and swelling of door. 3-1/2" x 1-1/4" (99mm x 32mm). Black finish only. To order separately specify 650F30-8.



Mortise Strikes

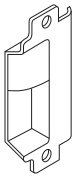
Mortise Strike

Standard on ED5600(A)N Series. Non-handed, ANSI curved lip, 4-7/8" x 1-1/4" x 1-1/4" (124mm x 32mm x 32mm) lip to center. To order separately, specify 650L657020.



Mortise Strike for Pairs of Doors with Astragal

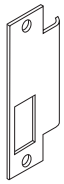
Optional for use with ED5600(A)N Series devices where an astragal is to be installed. Non-handed, ANSI straight lip, 4-7/8" x 1-1/4" x 7/8" (124mm x 32mm x 22mm) lip to center. To order with exit device, specify SS078. To order separately, specify 653L157014.



Open Back Strike

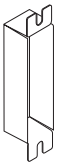
Optional for use with ED5600N x vertical rod devices on a pair of doors. Non-handed, 4-7/8" x 1-1/4" (124mm x 32mm). To order with exit device, specify SB134 for 1-3/4" doors, SB214 for 2-1/4"doors. To order separately, specify Part No. listed below.

Door Thickness	Type	Part No.
1-3/4" (44mm)	Curved lip	653L183016
	Straight lip	653L163016
2-1/4" (57mm)	Curved lip	653L183020
	Straight lip	653L163020



Mortise Strike

Standard on ED5600N and ED5600(A)N devices on 2" (51mm) (D200) and 2-1/4" (57mm) (D214) thick doors. Handed ANSI curved lip, 4-7/8" x 1-1/4" x 1-1/2" (124mm x 32mm x 38mm) lip to center. To order separately, specify 656L677024 for RH, 656L687024 for LH.



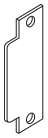
ANSI Wrought Strike Box

Optional for use with ED5600N and ED5600AN devices. To order with exit device, specify M17. To order separately, specify 120F76-8.



Filler Plates

Optional for use on stock metal doors when required. To order, specify 334F99-8 600.



Optional for use on stock metal doors when required. To order, specify 236L708018 x Fin.



Optional for use on stock metal doors when required. To order, specify 077F19-8 600.

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Corbin Russwin ASSA ABLOY

Access 700 PIP1

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ASSA ABLOY

Quick Codes

ED5000N 9700 x PIP1 Exit Device

Cylinders and Keying

Description	Specify
Conventional 6-pin	6P
Conventional 7-pin	7P
Less Cylinder(s)	standard
IC 6-pin	C6
IC 6-pin with Temporary Construction Core Red Blue Green	 CT6R CT6B CT6G
IC 6-pin Less Core	CL6
SFIC 6-pin with Less Core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin	C7
IC 7-pin with Temporary Construction Core Red Blue Green	 CT7R CT7B CT7G
IC 7-pin Less Core	CL7
SFIC 7-pin with Less Core	CLS7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
Security	HS
Security IC	CHS
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid with Temporary Construction Core	CTP
Pyramid IC Less Core	CLP
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
0-bitted with 2 Blank Keys	Standard with Cylinder
Keyed random	KR
Construction Master Keyed (not available for Pyramid)	CMK
Visual Key Control (VKC)	
- No Keying Data Stamped on Key or Cylinder	VKC0
- Keys Only	VKC1
- Cylinders and Keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders Only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed Key Control (CKC)	
- CKC Cylinders with VKC Keys	CKC2
- CKC Cylinders Only (not for PHS, PCHS)	CKC3
2 Keys per Cylinder	standard
Other than 2 Keys	KY# (e.g., KY6)

Finishes

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Polished Stainless Steel*	629
Satin Stainless Steel*	630
Satin Stainless Steel with *MicroShield**	630C
Black Oxidized Bronze, Oil Rubbed	722
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

*Lever only. Escutcheons plated to match.

Miscellaneous Options

Description	Specify
Torx® Head Screws	M04
ANSI wrought strike box (mortise)	M17
Knurling outside & inside (embossed touchbar - device side)*	M20
Knurling outside only (trim side)*	M21
Knurling inside only (embossed touchbar - device side)	M22
Abrasive coat outside and inside (trim and device)*	M23
Abrasive coat inside only (device side)	M24
Abrasive coat outside only (trim side)*	M25
Less dogging	M51
Cylinder dogging	M52
Sex nuts and bolts (SNBs)	M54
Shim kit (for vision light)	M58
Wood screws for use on fire-rated solid wood or wood core doors	M64

*not available with Vineyard™ or Muséo® levers.

Door Thickness

Door Thickness	Specify
1-3/4" (44mm)	standard
2" (51mm)	D200
2-1/4" (57mm)	D214

Door Width

Door Width	Specify
24" (610mm)	W024
36" (914mm)	standard
48" (1219mm)	W048

Credential Quick Codes

Description	Specify
Magstripe Only	MA
Keypad & Magstripe	KM
HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, MIFARE Classic, DESfire EV1, HID Prox®, NFC-enabled mobile phones, keypad, mag stripe	IKMPS*
HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, MIFARE Classic, DESfire EV1, HID Prox®, NFC-enabled mobile phones, mag stripe	IMPS*
FeliCa, HID Prox®, NFC-enabled mobile phones, keypad, mag stripe	CKMP*
FeliCa, HID Prox®, NFC-enabled mobile phones, mag stripe	CMP*

* For Bluetooth Smart support, add "B" to the beginning of the credential quick code.

Strikes

Description	Specify
Mortise ANSI strike for pairs of doors with astragal	SS078
Open back strike for 1-3/4" doors	SB134
Open back strike for 2-1/4" doors	SB214

Handing

Hand	Specify
Right Hand Reverse	RHR
Left Hand Reverse	LHR

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Access 700 PIP1

Corbin Russwin ASSA ABLOY

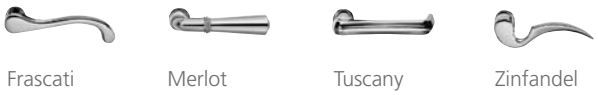
Lever Trim Designs

ED5000N 9700 x PIP1 Exit Device

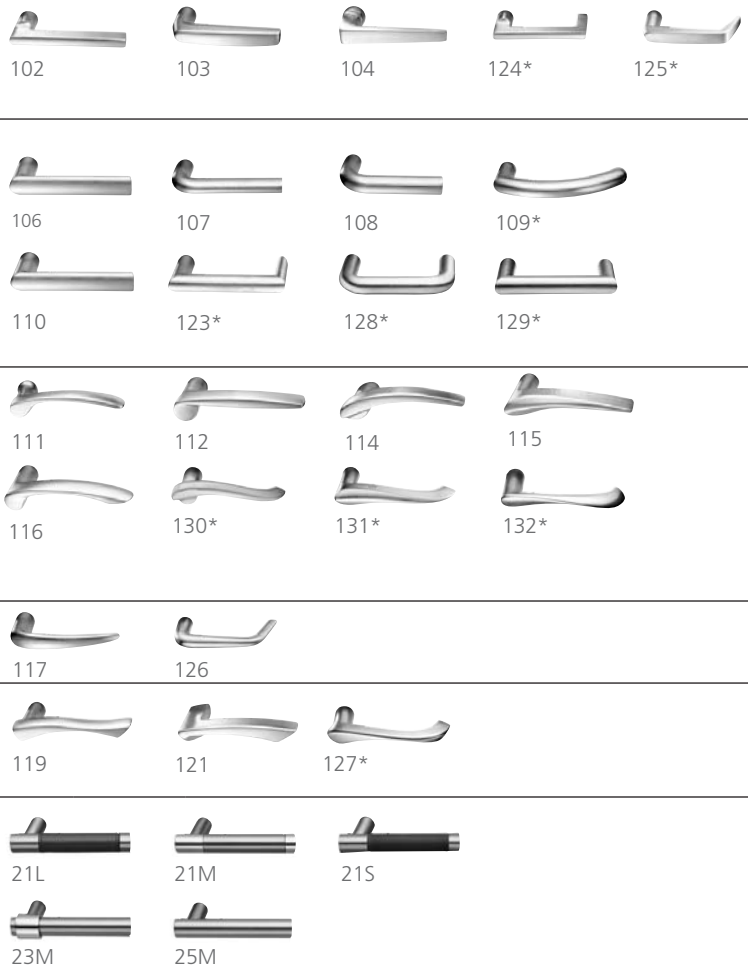
Standard	ED5200N x 9700	ED5600N x 9M700
Armstrong	A9700	A9M700
Newport	N9700	N9M700
Princeton	PR9700	PR9M700
Citation	C9700	C9M700
Dirke	D9700	D9M700
Essex	E9700	E9M700
Lustra	L9700	L9M700
Regis	R9700	R9M700



Vineyard™		
Frascati	FR9700	FR9M700
Merlot	M9700	M9M700
Tuscany	TS9700	TS9M700
Zinfandel	Z9700	Z9M700



Muséo®			
Georgia	102	1029700	1029M700
	103	1039700	1039M700
	104	1049700	1049M700
	124	1249700	1249M700
	125	1259700	1259M700
Salvador	106	1069700	1069M700
	107	1079700	1079M700
	108	1089700	1089M700
	109	1099700	1099M700
	110	1109700	1109M700
	123	1239700	1239M700
	128	1289700	1289M700
	129	1299700	1299M700
Marc	111	1119700	1119M700
	112	1129700	1129M700
	114	1149700	1149M700
	115	1159700	1159M700
	116	1169700	1169M700
	130	1309700	1309M700
	131	1319700	1319M700
	132	1329700	1329M700
Pablo	117	1179700	1179M700
	126	1269700	1269M700
Jackson	119	1199700	1199M700
	121	1219700	1219M700
	127	1279700	1279M700
Piet	21L	21L9700	21L9M700
	21M	21M9700	21M9M700
	21S	21S9700	21S9M700
	23M	23M9700	23M9M700
	25M	25M9700	25M9M700



*Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

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Access 700 PIP1

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How to Order

ED5000N 9700 x PIP1 Exit Device

Ordering Examples

Exit Device Only

Quantity	Function	Technology Code	Finish	Hand
24	ED5200SN	TCPIP1	625	RHR

Trim Only

Quantity	Trim/Function	Technology Code	Finish	Hand	Credential Quick Code
24	N9733	TCPIP1	625	RHR	IKMPS

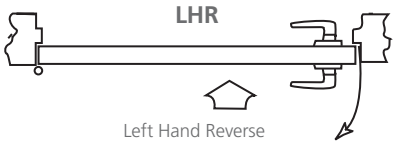
Exit Device with Trim

Quantity	Exit Device	Trim/ Function	Technology Code	Finish	Hand	Cylinder Option	Door Thickness	Optional Strike	Door Width	Misc. Options	Credential Quick Code
10	ED5200AN	A9734	TCPIP1	630	LHR	C6	D214	SB214	W048	M20	IMPS

Contract/Detailed Order - Rim Exit Device with Trim

Quantity	Keyset	Exit Device	Trim/Function	Technology Code	Finish	Hand	Door Width	Credential Quick Code	Cylinder Option
36	AA1	ED5200N	1149734	TCPIP1	605	LHR	W048	CKMP	PS

Handing





Note: Arrow indicates secure side of door.

Exit Devices

Exit Device	Function	Trim						Finish	Hand
ED5200(A)	9733	Standard	Muséo®				Vineyard™	605	RHR
ED5202(A)	9734	A	102	112	125	21L	FR	606	LHR
ED5633(A)	9M733	N	103	114	126	21M	M	611	
ED5634(A)	9M734	PR	104	115	127	21S	TS	612	
		C	106	116	128	23M	Z	613	
		D	107	117	129	25M		618	
		E	108	119	130			619	
		L	109	121	131			625	
		R	110	123	132			626	
			111	124				626C	
								722	
								BSP	
								WSP	

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Available Trim Options

ED5000N 9700 x PIP1 Exit Device



Grooved Insert
21G



Leather Insert
21L



Polished with Satin Insert
21M



Santoprene™ Insert
21S



With Raised Band
23M



Plain
25M



Plain with Two Grooves
27M

Piet Finish Codes

Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
613E	3E	Dark Oxidized Satin Bronze, Equivalent
BSP	BS	Black Suede Powder Coat
WSP	WS	White Suede Powder Coat
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	303030, 292929, 293029, 302930, 3E003E, BS00BS OR WS00WS
21L	Leather Insert	30BK30, 30BN30, 29BK29, 29BN29, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS OR WSBNWS
21M	Metallic Insert	293029** or 303030
21S	Santoprene Insert	30BK30, 29BK29, 3E003E, BS00BS or WS00WS
23M	Raised Band	290030, 290029, 300030, 300029, 3E003E, BS00BS OR WS00WS
25M	Plain	290029, 300030, 3E003E, BS00BS or WS00WS
27M	Two Grooves	290029, 300030, 3E003E, BS00BS or WS00WS

**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

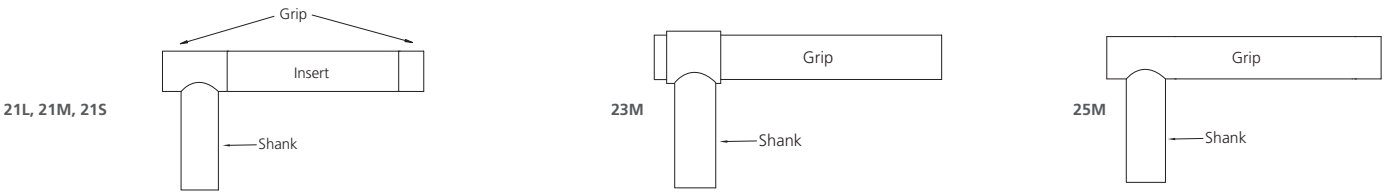
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How to Order

ED5000N 9700 x PIP1 Exit Device

How to Order the Muséo® Piet Lever Collection



Trim Only

Quantity	Trim/ Function	Technology Code	Lever Finish	Lock Finish*	Hand	Credential Quick Code
2	21M9733	TCPIP1	293029	625	RHR	IKMPS

› Muséo® Piet Lever 21M - Polished with Satin Insert
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 625 Lock Finish
› Right hand reverse
› iCLASS®, Keypad, Magstripe, Prox, Smart Card (MIFARE, DESFIRE)

Exit Device with Trim

Quantity	Exit Device	Trim/ Function	Technology Code	Lever Finish	Lock Finish*	Hand	Credential Quick Code	Cylinder Option	Door Thickness	Optional Strike	Door Width
2	ED5200N	21M9734	TCPIP1	293029	625	LHR	IMPS	6P	D200	SB214	W048

Inside:
› Muséo® Piet Lever 21M - Polished with Satin Insert
› 293029 Lever finish
48" wide door

Outside:
› Muséo® Piet Lever 21M - Polished with Satin Insert
› Key Override
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 625 Lock Finish
› Left hand reverse
› 6 pin cylinder
› 2-1/4" thick door
› iCLASS®, Keypad, Magstripe, Prox, Smart Card (MIFARE, DESFIRE)

** Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.*

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Features

FE66735 x PIP1 Multi-Point Lock



Multi-Point Lock
FE66735 x PIP1

FE6600 Series lock is a multi-point, deadlocking system developed to help protect lives while securing a community shelter and/or safe room entry. Sturdy heavy-duty steel components firmly secure the door within the frame – at top, bottom, and center latch points – fortifying the opening during a windstorm event. The FE6600 Series is UL-listed for FEMA P-361 (2015), FEMA P-320 (2014) and ICC 500 (2014) capable of withstanding severe wind speeds and flying debris. This device consists of concealed vertical rods with top and bottom latching complemented by a mortise lock with a latchbolt and deadbolt at the center of the door and an optional indicator to show the status of the top and bottom latches.

The lever rotation retracts the top bolt, the bottom bolt, and center bolts simultaneously. When retracted, the bolts are held in position as the door swings. As the door closes, the hold-back feature engages the frame and the top, center, and bottom bolts project simultaneously. With the deadbolt thrown, this system protects room occupants from threatening conditions. The FE6600 Series device can be used on fire-rated doors.

Mechanical Features

- Certified to ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1
- Motor driven FE6600 Series Mortise Lock n 1-3/4" thick door only; fully integrated – FE6600 is part of a complete ASSA ABLOY windstorm solution utilizing Ceco StormPro® 361 and Curries StormPro® 361 doors and frames and McKinney® StormPro® hinges
- Stainless steel non-handed deadlocking latch n Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability
- Concealed vertical assembly (rods, latches and cassette) pre-installed in door
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm certification information is listed in the Corbin Russwin FE6600 Series catalog

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

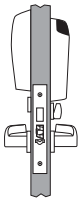
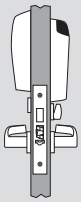
- All electronics and batteries mounted in inner escutcheon on secure side of door
- Keycard read upon removal ensuring that keycards are not left in the lock
- Available without keypad
- ADA compliant
- 7 year mechanical warranty; 2 year electrical component warranty

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Functions

FE66735 x PIP1 Multi-Point Lock

Outside	Inside	Series/Function	Type	Function Description
		FE66735 No Key Override With Deadbolt*	Entry	• Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user credential entered • When deadbolt thrown, outside lever operable only with certain authorized credentials
		FE66736 Key Override With Deadbolt	Entry With Deadbolt	• Key outside retracts deadbolt. Key outside also retracts latch and unlocks outside when trim is locked electronically • Top and bottom rods retracted by lever • Deadbolt projected and retracted by thumbturn or key

* Deadbolt required for escape return functionality (a residential requirement in Canada

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ASSA ABLOY

Access 700 PIP1

Corbin Russwin ASSA ABLOY

Technical Features

FE66735 x PIP1 Multi-Point Lock

Technical Data	
Card Track:	Track 2
Card Coercivity	HiCo (4000 Oersted)

Monitoring	
ML20700 x PIP1	Latchbolt (LX); Dead Bolt (DX)

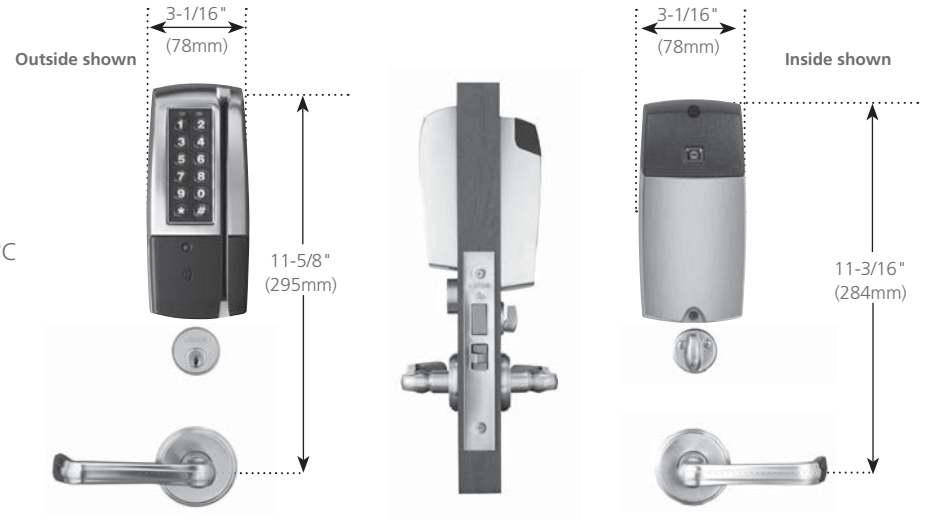
Features	
Operating Modes	**PIN required:** Specify KM, IKMPS, or CKMP; In addition to card, a 4 digit PIN might be required **No PIN required:** Specify MA, IMPS, CMP; Only card is required
Passage Modes	**Automatic:** The door automatically becomes unlocked during any passage mode **Manual:** The door only becomes unlocked after the first card of the day is presented (within a schedule) or might optionally be configured to require two consecutive swipes to toggle the passage state

Electrical Specifications

- Power supplied through Ethernet
- Class 1 Device defined by IEEE 802.3af requiring max 3.84 watts
- Network Drop Cable (by others) Specifications:
  - Cat5e or higher
  - Belden 1533P D15A1000 or equivalent
  - TIA/EIA-568-B
  - Shielded with drain wire
  - Plenum-rated
  - 24AWG
- FCC Part 15-compliant
- Network Surface Mount Box:
  - Cat5e or higher (RJ45)
  - TIA/EIA-568-B

Inside/Outside Escutcheons

- Keys/buttons overmolded to prevent wear
- Zinc die cast
- Tactile keypad
- LED's indicate valid/invalid entries
- Escutcheon projection 1-11/16" (43mm)
- Operating temperature: -31°F to 150°F (-35°C to 65°C)
- Operating humidity: 5% to 95% relative humidity non-condensing
- Storage temperature: -22°F (-30°C) to 176°F (80°C)



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Access 700 PIP1

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Quick Codes

FE66735 x PIP1 Multi-Point Lock

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613[1]
Dark Oxidized Satin Bronze - Equivalent	613E
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with *MicroShield*®	626C
Bright Stainless Steel	629[3]
Satin Stainless Steel	630[3]
Satin Stainless Steel with *MicroShield*	630C
Black Oxidized Bronze, Oil Rubbed	722[2]
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

[1] New, March 2007
[2] Formerly 613 prior to March 2007
[3] Escutcheon finished to match 629, 630 finish

Miscellaneous Options

Description	Specify
Torx® head screws	M04
ANSI wrought strike box	M17
Knurling outside and inside*	M20
Knurling outside only*	M21
Knurling inside only	M22
Abrasive coat outside and inside*	M23
Abrasive coat inside only*	M24
Abrasive coat outside only	M25

*not available with Vineyard™ or Muséo® levers.

Credential Quick Codes

Description	Specify
Magstripe Only	MA
Keypad & Magstripe	KM
HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, MIFARE Classic, DESfire EV1, HID Prox®, NFC-enabled mobile phones, keypad, mag stripe	IKMPS*
HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, MIFARE Classic, DESfire EV1, HID Prox®, NFC-enabled mobile phones, mag stripe	IMPS*
FeliCa, HID Prox®, NFC-enabled mobile phones, keypad, mag stripe	CKMP*
FeliCa, HID Prox®, NFC-enabled mobile phones, mag stripe	CMP*

* For Bluetooth Smart support, add "B" to the beginning of the credential quick code.

Handing

Hand	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR

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Access 700 | PIP1

Corbin Russwin
ASSA ABLOY

Lever Trim Designs

FE66735 x PIP1 Multi-Point Lock

Standard Lever	A Rose	B Rose	F Rose
Armstrong	ASA	ASB	ASF
Newport	NSA	NSB	NSF
Princeton	PSA	PSB	PSF
Citation	CSA	CSB	CSF
Dirke	DSA	DSB	DSF
Essex	ESA	ESB	ESF
Lustra	LSA	LSB	LSF
Regis	RSA	RSB	RSF


Armstrong


Citation


Dirke


Essex*


Lustra*


Newport*


Princeton*


Regis

Vineyard™	G Rose
Frascati	FSG
Merlot	MSG
Tuscany	TSG
Zinfandel	ZSG


Frascati


Merlot


Tuscany


Zinfandel

Muséo®

Georgia


102


103


104[2]


124[1]


125[1]

Salvador


106


107


108


109


110


123[1]


128[1]


129[1]

Marc


111[2]


112[2]


114[2]


115[2]


116[2]


130[1,2]


131[1,2]


132[1,2]

Pablo


117[2]


126[1,2]

Jackson


105[2]


119[2]


120[2]


121[2]


127[1,2]

Piet


21L


21G


21M


21S


23M


25M


27M

1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available in 32D or 32 finish.

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Corbin Russwin ASSA ABLOY

Access 700 PIP1

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ASSA ABLOY

Available Trim Options

FE66735 x PIP1 Multi-Point Lock



Grooved Insert
21G



Leather Insert
21L



Polished with Satin Insert
21M



Santoprene™ Insert
21S



With Raised Band
23M



Plain
25M



Plain with Two Grooves
27M

Piet Finish Codes

Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
613E	3E	Dark Oxidized Satin Bronze, Equivalent
BSP	BS	Black Suede Powder Coat
WSP	WS	White Suede Powder Coat
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	303030, 292929, 293029, 302930, 3E003E, BS00BS OR WS00WS
21L	Leather Insert	30BK30, 30BN30, 29BK29, 29BN29, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS OR WSBNWS
21M	Metallic Insert	293029** or 303030
21S	Santoprene Insert	30BK30, 29BK29, 3E003E, BS00BS or WS00WS
23M	Raised Band	290030, 290029, 300030, 300029, 3E003E, BS00BS OR WS00WS
25M	Plain	290029, 300030, 3E003E, BS00BS or WS00WS
27M	Two Grooves	290029, 300030, 3E003E, BS00BS or WS00WS

**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

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How to Order

FE66735 x PIP1 Multi-Point Lock

Ordering Examples

Stock Order

Quantity	Series/Function	Technology Code	Trim	Finish	Hand	Credential Quick Code
24	FE66735	TCPIP1	LWA	626	RHR	IKMPS

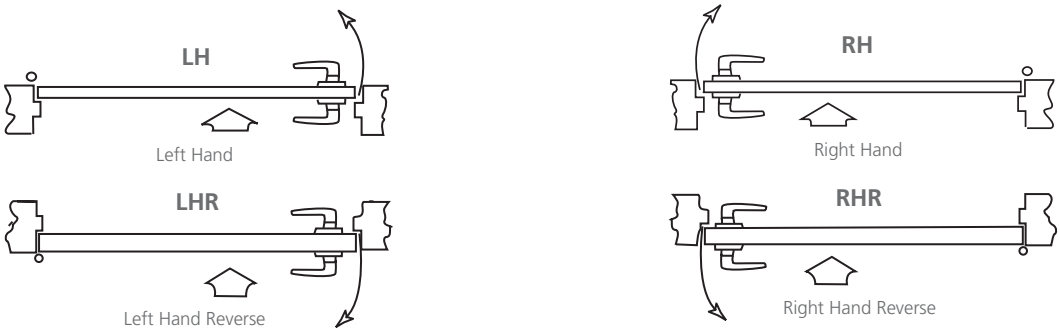
Split Trim/Finish Order

Quantity	Series/ Function	Technology Code	Trim		Finish		Hand	Credential Quick Code
			Outside	Inside	Outside	Inside		
24	FE66735	TCPIP1	CSA	CSA	626	606	RHR	IMPS

Contract/Detailed Order

Quantity	Series/Function	Technology Code	Trim	Finish	Hand	Credential Quick Code
24	FE66735	TCPIP1	111X	626	RHR	CKMP

Handing



Note: Arrow indicates secure side of door.

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Sold through:
Authorized Channel Partner
ASSA ABLOY

How to Order

FE66735 x PIP1 Multi-Point Lock

Multi-Point Locks

Function	Trim										Finish	Hand
	Standard			Muséo®						Vineyard™		
FE66735	ASA	ASB	ASF	102V	102U	102T	102Y	102X	102W	FSG	605	RH
	NSA	NSB	NSF	103V	103U	103T	103Y	103X	103W	MSG	606	RHR
	PSA	PSB	PSF	104V	104U	104T	104Y	104X	104W	TSG	611	LH
	CSA	CSB	CSF	124V	124U	124T	124Y	124X	124W	ZSG	612	LHR
	DSA	DSB	DSF	125V	125U	125T	125Y	125X	125W		613	
	ESA	ESB	ESF	106V	106U	106T	106Y	106X	106W		618	
	LSA	LSB	LSF	107V	107U	107T	107Y	107X	107W		619	
	RSA	RSB	RSF	108V	108U	108T	108Y	108X	108W		625	
				109V	109U	109T	109Y	109X	109W		626	
				110V	110U	110T	110Y	110X	110W		722	
				123V	123U	123T	123Y	123X	123W		626C	
				128V	128U	128T	128Y	128X	128W		BSP	
				129V	129U	129T	129Y	129X	129W		WSP	
				111V	111U	111T	111Y	111X	111W			
				112V	112U	112T	112Y	112X	112W			
				114V	114U	114T	114Y	114X	114W			
				115V	115U	115T	115Y	115X	115W			
				116V	116U	116T	116Y	116X	116W			
				130V	130U	130T	130Y	130X	130W			
				131V	131U	131T	131Y	131X	131W			
				132V	132U	132T	132Y	132X	132W			
				117V	117U	117T	117Y	117X	117W			
				126V	126U	126T	126Y	126X	126W			
				119V	119U	119T	119Y	119X	119W			
				121V	121U	121T	121Y	121X	121W			
				127V	127U	127T	127Y	127X	127W			
				21LV	21LU	21LT	21LY	21LX	21LW			
				21MV	21MU	21MT	21MY	21MX	21MW			
				21SV	21SU	21ST	21SY	21SX	21SW			
				23MV	23MU	23MT	23MY	23MX	23MW			
				25MV	25MU	25MT	25MY	25MX	25MW			

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Available Trim Options

FE66735 x PIP1 Multi-Point Lock



Grooved Insert
21G



Leather Insert
21L



Polished with Satin Insert
21M



Santoprene™ Insert
21S



With Raised Band
23M



Plain
25M



Plain with Two Grooves
27M

Piet Finish Codes

Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
613E	3E	Dark Oxidized Satin Bronze, Equivalent
BSP	BS	Black Suede Powder Coat
WSP	WS	White Suede Powder Coat
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	303030, 292929, 293029, 302930, 3E003E, BS00BS OR WS00WS
21L	Leather Insert	30BK30, 30BN30, 29BK29, 29BN29, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS OR WSBNWS
21M	Metallic Insert	293029** or 303030
21S	Santoprene Insert	30BK30, 29BK29, 3E003E, BS00BS or WS00WS
23M	Raised Band	290030, 290029, 300030, 300029, 3E003E, BS00BS OR WS00WS
25M	Plain	290029, 300030, 3E003E, BS00BS or WS00WS
27M	Two Grooves	290029, 300030, 3E003E, BS00BS or WS00WS

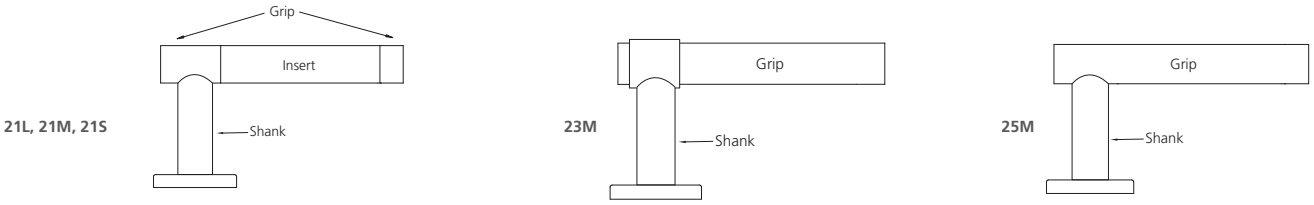
**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

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How To Order

FE66735 x PIP1 Multi-Point Lock

How to Order the Muséo® Piet Lever Collection



Stock Order

Quantity	Series/ Function	Technology Code	Trim	Lever Finish	Lock Finish*	Hand	Credential Quick Code
2	FE66735	TCPIP1	21MV	293029	625	RHR	IKMPS

› Muséo® Piet Lever 21M - Polished with Satin Insert – with V rose
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 625 Lock Finish
› Right hand reverse
› iCLASS®, Keypad, Magstripe, Prox, smart card (MIFARE, DESFIRE)

Stock Order

Quantity	Series/ Function	Technology Code	Trim	Lever Finish	Lock Finish*	Hand	Credential Quick Code
2	FE66735	TCPIP1	21MU	293029	625	RHR	IMPS

› Muséo® Piet Lever 21M - Polished with Satin Insert – with U rose
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 625 Lock Finish
› Right hand reverse
› iCLASS®, Magstripe, Prox, smart card (MIFARE, DESFIRE)

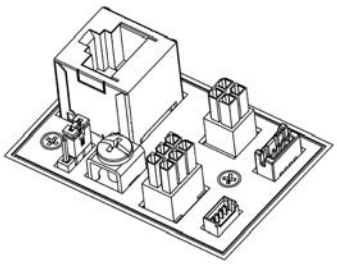
** Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.*

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DHTA

Power over Ethernet (PoE) Cable and Data Hinge Test Adapter

Developed for troubleshooting Corbin Russwin PoE locks, the ASSA ABLOY PoE cable and data hinge test adapter verifies your PoE installation in the field. Sold as a kit containing two test adapters, it allows you to verify proper wiring from the door frame to the PoE data hinge and lock, or test the frame, hinge or door cables independently.



This test tool helps answer the question "Is the problem in the lock or in the wiring to the lock?" and will save you troubleshooting time.

The DHTA works in conjunction with the following products or their equivalent, provided by others:
· BK Precision model 231A
· FLUKE DTX 1800 CableAnalyzer™
· Two (2) Category 5e patch cables, each (10) feet in length

The following are required system components ordered through McKINNEY, in addition to the lock.
Please note that one electrified hinge, one door harness assembly and one frame harness assembly are required for each PoE opening.

McKinney ElectroLynx® PoE Hinges*

Description
4 ½ x 4 ½ TA2714 26D PoE (Standard Weight 5 knuckle)
4 ½ x 4 ½ T4A3786 26D PoE (Heavy Weight 5 knuckle)
The PoE door & frame harnesses can accommodate a variety of new (with raceway) and retrofit applications.



** U.S. Patent No. 7,824,200*

McKinney ElectroLynx® PoE Door Harnesses

Door Width	Cable Length	Wood Door	Hollow Metal Door
28" to 31"	36"	PoE-C300RJ	PoE-C300PRJ
32" to 36"	42"	PoE-C306RJ	PoE-C306PRJ
37" to 42"	48"	PoE-C400RJ	PoE-C400PRJ
43" to 48"	54"	PoE-C406RJ	PoE-C406PRJ

All are Cat5e, 26 AWG, Shielded, Stranded, 100 Ohm

McKinney ElectroLynx® PoE Frame Harness

Cable Length	Harness Description
180"	PoE-C1500P
Cat5e, 24 AWG, Shielded, Stranded, 100 Ohm	

*See the McKINNEY catalog for additional finishes and hinge types
Note: One electrified hinge, door harness and frame harness are required for each PoE opening.

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Corbin Russwin ASSA ABLOY

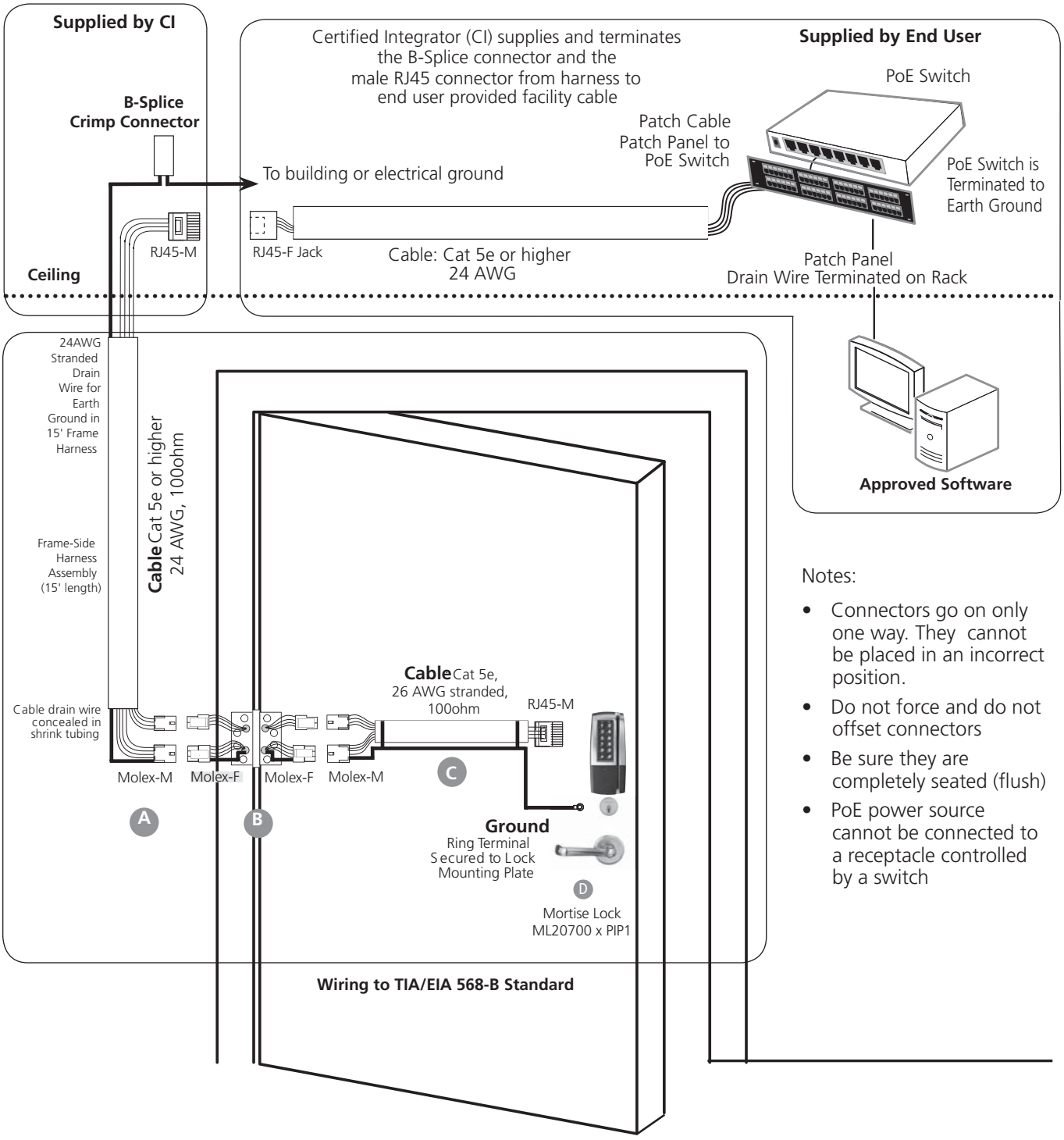
Access 700 PIP1

Sold through:

Authorized Channel Partner
ASSA ABLOY

Application Diagram

Note:
Access 700® PIP1 must be installed by a Certified Integrator (CI)



Notes:

- Connectors go on only one way. They cannot be placed in an incorrect position.
- Do not force and do not offset connectors
- Be sure they are completely seated (flush)
- PoE power source cannot be connected to a receptacle controlled by a switch

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Quick Code Index

Cylinder and Keying Options

Part No./ Quick Code	Description	Cylindrical	Mortise	Exit Device
6P	Conventional 6-pin	std	std	•
7P	Conventional 7-pin	•	•	•
LC	Less Cylinder(s)	•	•	std
HS	Security	•	•	•
CHS	Security IC	•	•	•
PS	Pyramid Security	•	•	•
PCS	Pyramid Security IC	•	•	•
PHS	Pyramid High Security Fixed Core	•	•	•
PCHS	Pyramid High Security IC	•	•	•
CTP	Pyramid IC with Temporary Construction Core	•	•	•
CLP	Pyramid IC Less Core	•	•	•
C6	IC 6-pin	•	•	•
CT6R	IC 6-pin with Temporary Construction Core (Red)	•	•	•
CT6B	IC 6-pin with Temporary Construction Core (Blue)	•	•	•
CT6G	IC 6-pin with Temporary Construction Core (Green)	•	•	•
CL6	IC 6-pin Less Core	•	•	•
CLS6	SFIC 6-pin with Less Core		•	•
CT6SD	SFIC 6-pin with SFIC disposable temporary core		•	•
CTSD	SFIC 6- or 7-pin Small Format Disposable Core[1]	•		
C7	IC 7-pin	•	•	•
CT7R	IC 7-pin with Temporary Construction Core (Red)	•	•	•
CT7B	IC 7-pin with Temporary Construction Core (Blue)	•	•	•
CT7G	IC 7-pin with Temporary Construction Core (Green)	•	•	•
CL7	IC 7-pin Less Core	•	•	•
CLS7	SFIC 7-pin with Less Core		•	•
CT7SD	SFIC 7-pin with SFIC disposable temporary core		•	•
CTPD	Pyramid Disposable Core	•	•	•
CT6D	6-pin IC with Disposable Core	•	•	•
CT7D	7-pin IC with Disposable Core	•	•	•
	0-bitted with 2 Blank Keys	std	std	(with cylinder)
KR	Keyed random	•	•	•
CMK	Construction master keyed	•	•	•
VKC0	Visual Key Control (VKC) - No bitting or keyset stamping on keys	•	•	•
VKC1	Visual Key Control (VKC) - Keys only	•	•	•
VKC2	Visual Key Control (VKC) - Cylinders and Keys (not for HS, CHS, PHS, or PCHS)	•	•	•
VKC3	Visual Key Control (VKC) - Cylinders only (not for HS, CHS, PHS, or PCHS)		•	•
CKC2	Concealed Key Control (CKC) - Cylinders with VKC keys	•	•	•
CKC3	Concealed Key Control (CKC) - Cylinders Only (not for PHS, PCHS)	•	•	•
	2 keys per Lock	std	std	std
KY# (e.g. KY6)	More than 2 keys	•	•	•
C	Lockset furnished in Schlage® C Keyway	•		
LA	Lockset furnished in SARGENT® LA Keyway	•		

Note: 1. Specify M08 for levers to accept SFIC cores; which ship standard with temporary disposable core

• = *available*

Gaskets

795F439	Outside Escutcheon

Credential Quick Codes

Description	Specify
Magstripe Only	MA
Keypad & Magstripe	KM
iCLASS, keypad, mag stripe, Prox, smart card (MIFARE, DESFIRE)	IKMPS*
iCLASS, mag stripe, Prox, smart card (MIFARE, DESFIRE)	IMPS*
FeliCa, keypad, mag stripe, Prox	CKMP*
FeliCa, mag stripe, Prox	CMP*

* For Bluetooth Smart support, add "B" to the beginning of the credential quick code.

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Corbin Russwin

ASSA ABLOY

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Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 800-461-8989
www.assaabloydss.ca

For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

MicroShield™

MicroShield®
As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria. MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

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Corbin Russwin

ASSA ABLOY

Access 800® AC2

Stand-alone Access Control



ASSA ABLOY, the global leader in door opening solutions

Corbin Russwin
ASSA ABLOY

Applications

Access 800 AC2

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The *Access 800* AC2 series of stand-alone access control products provides the user with a broad selection of technologies, features and mechanical locking means housed in a sleek, architecturally pleasing design. From the basic keypad-programmed M800 option to the full-featured M806, programmed via data transfer device (DTD) or a PDA, all units utilize a battery-powered micro-processor-based controller with non-volatile memory to preserve user coding. All technology features are supported by the physical security of a Corbin Russwin ANSI/BHMA Grade 1 mechanical locking device: mortise, cylindrical or exit device.

These locking devices allow for electronic control over the optimum mechanical lock and are UL Listed for use on fire doors*. Trims and finishes along with the various technology offerings combine for a cost effective continuity of design.

The keypad option features user codes that can vary from 1 to 6 digits and utilizes a master code to program the lock in a variety of modes. These modes allow the operation of the lock to be tailored to the opening and individual user. Typical modes include panic, adjustable momentary unlock and passage.

SoloPlus software allows you to meet your facility's needs while maintaining a stand-alone, single door electronic access control system.

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Applications

- Remote locations
- Building perimeter
- High security areas
- Restricted access
- Retrofit applications where hardwiring is not practical

Advantages

- Bundled unit
- Economic (low cost) versus hard wired magnetic lock/ stand-alone reader
- Backwards compatibility and audit trail capable
- Similar features to online systems such as programmable time zones, holidays
- User groups (2000 users) & access level oriented format

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Access 800® AC2 - Features

Corbin Russwin *Access 800* AC2 Series' product enhancements help to further distinguish it as the right choice for a wide range of applications.

- **Forced Master Code Change** – from factory default for added security
- **Enrollment Station** enrolls 125 kHz Wiegand-format HID prox cards into SoloPlus™ software.
- **Force/Propped Door Alarm** provides an audible alarm if the door is held open for an extended period of time or forced open without the use of valid credentials.
- **Dorm Room Function for Mortise Option** prevents students from locking themselves out of their dorm room.
- **Temporary User Codes** allows temporary codes by number of uses, start and stop dates or total days after first use.

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Overview

Access 800 AC2



Cylindrical Lock - CL33800



Exit Device - ED5000 x 9800



Mortise Lock - ML20800

100 user keypad only Stand-alone access control products are designed for areas that require authorized entry, such as stairwell doors, meeting rooms, company health clubs, etc. Microprocessor based technology with non-volatile solid state memory ensures that codes will not be lost even if the batteries stop functioning. The controller will hold a total of 100 different user codes and these codes can vary in length from one to six digits. All programming is done through the keypad.

2000 user keypad only The M801 is ideal for dormitories, assisted living facilities, hospitals, retailers, apartments and office complexes. Programming is accomplished through the keypad for most basic functions or via SoloPlus™ software.

2000 user proximity only The M802 provides a higher level of security. All programming must be handled through the *SoloPlus* software. It is ideal for high traffic applications where keypad usage is not desirable: universities, laboratories or hospitals. A "master" Comm Enable proximity card or fob is required to initiate programming of the lock.

2000 user proximity/keypad The M803 stand-alone access control products offer the highest level of security and flexibility. These products can be programmed via keypad or *SoloPlus* requiring both a code (1-6 digits) and proximity card/key/tag presentation to gain entry. It can also be programmed for keypad or proximity presentation only.

2000 user keypad and RF technology The M804 offers the convenience of the keypad along with the RF technology which allows for remote unlocking and locking of the unit. This configuration is ideal where security is a concern (offices and medical clinics).

2000 user proximity and RF technology The M805 offers the additional security of eliminating the keypad with the convenience of remote unlocking and locking through the RF technology.

2000 user keypad, proximity and RF technology The M806 offers all three technologies allowing the lock to be programmed to respond to any of the technologies as needed.

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Features

Access 800 AC2

Access	M800	M801	M802	M803	M804	M805	M806
Stand-alone Unit	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Keypad	Yes	Yes	-	Yes	Yes	-	Yes
Proximity	-	-	Yes	Yes	-	Yes	Yes
RF Technology	-	-	-	-	Yes	Yes	Yes
Programming	Keypad	DTD or a PDA/Keypad	DTD or a PDA	DTD or a PDA/Keypad	DTD or a PDA/Keypad	DTD or a PDA	DTD or a PDA/Keypad
Supports all HID Proximity Bit Format	No	-	Yes	Yes	-	-	Yes
DTD or a PDA	-	Yes	Required	Yes	Yes	Required	Yes
Directly Supports 26, 33 & 34 bit 125kHz HID Wiegand Formats[1]	No	-	Yes	Yes	-	Yes	Yes
Supports all 125kHz HID Wiegand (up to 40) Bit Formats with Enrollment Station	No	-	Yes	Yes	-	Yes	Yes
Non-volatile Memory	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Power Requirements							
Battery Life (Estimate)	80,000 cycles	80,000 cycles	80,000 cycles	80,000 cycles	4-1/2 Mo.	4-1/2 Mo.	4-1/2 Mo.
Batteries	6 AA	6 AA	6 AA	6 AA	6 AA	6 AA	6 AA
Low Battery Indication	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hard Power Available	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Users & Codes							
Users Supported per Lock	100	2,000	2,000	2,000	2,000	2,000	2,000
Users Supported by Database	-	20,000	20,000	20,000	20,000	20,000	20,000
Audit Trail	1,000	2,000	2,000	2,000	2,000	2,000	2,000
Code: Number of Digits	1 to 6 Digits	1 to 6 Digits	-	1 to 6 Digits	1 to 6 Digits	-	1 to 6 Digits
Master, Emergency & Supervisory Codes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Standard, Extended Passage Codes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Panic, Lockout Codes	No	Yes	Yes	Yes	Yes	Yes	Yes
Comm Unlock, Relock Codes	No	Yes	Yes	Yes	Yes	Yes	Yes
Temporary User Codes	No	Yes	Yes	Yes	Yes	Yes	Yes
Features							
Real Time Clock with Date & Time	No	Yes	Yes	Yes	Yes	Yes	Yes
Up to 8 Time Zones per Lock	No	Yes	Yes	Yes	Yes	Yes	Yes
Holidays (16 Single & 16 Blocked)	No	Yes	Yes	Yes	Yes	Yes	Yes
Daylight Saving Time	No	Yes	Yes	Yes	Yes	Yes	Yes
Auto Unlock	No	Yes	Yes	Yes	Yes	Yes	Yes
Auto Unlock with First In	No	Yes	Yes	Yes	Yes	Yes	Yes
Unlock Time Adjustability	1-255 Sec	1-255 Sec	1-255 Sec	1-255 Sec	1-255 Sec	1-255 Sec	1-255 Sec
Audible Keystroke Beep Available	Yes	Yes	-	Yes	Yes	-	Yes
Remote Unlocking	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UL Listed for Fire Doors[2]	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Note: Dash (-) Means either Not Available or Not Applicable

1. Directly supports credential formats with special requirements. Consult factory.
2. Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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100 User Mode (M800) Features



Mortise shown

Quick Code Option M800 Keypad Operated Products

The Corbin Russwin 100 user, keypad-only stand-alone access control products are designed for areas that require authorized entry, such as stairwell doors, meeting rooms, company health clubs, etc. Microprocessor based technology with non-volatile solid state memory ensures that codes will not be lost even if the batteries stop functioning. The controller will hold a total of 100 different user codes and these codes can vary in length from one to six digits. All programming is done through the keypad.

Credential Quick Codes	
Description	Specify
Credential for 100 User	
Keypad Only	M800

Access	**M800**
Stand-alone Unit	Yes
Keypad	Yes
Proximity	-
RF Technology	-
Programming	Keypad
Supports HID Proximity Bit Format	-
DTD or a PDA	-
Supports 26, 33 & 34 bit 125kHz HID Wiegand Formats[1]	-
Non-volatile Memory	Yes
Power Requirements	
Battery Life (Estimate)	80,000 cycles
Batteries	6 AA
Low Battery Indication	Yes
Hard Power Available	Yes
Users & Codes	
Users Supported per Lock	100
Audit Trail	1,000
Code: Number of Digits	1 to 6 Digits
Master, Emergency & Supervisory Codes	Yes
Standard, Extended Passage Codes	Yes
Panic, Lockout Codes	-
Comm Unlock, Relock Codes	-
Temporary User Codes	-
Features	
Real Time Clock with Date & Time	-
Up to 8 Time Zones per Lock	-
Holidays (16 Single & 16 Blocked)	-
Daylight Saving Time	-
Auto Unlock	-
Auto Unlock with First In	-
Unlock Time Adjustability	1-99 Sec
Audible Keystroke Beep Available	Yes
Remote Unlocking	Yes
UL Listed for Fire Doors[2]	Yes

1. Directly supports credential with special requirements. Consult factory.
2. Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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2000 User Mode Features

Standard Features

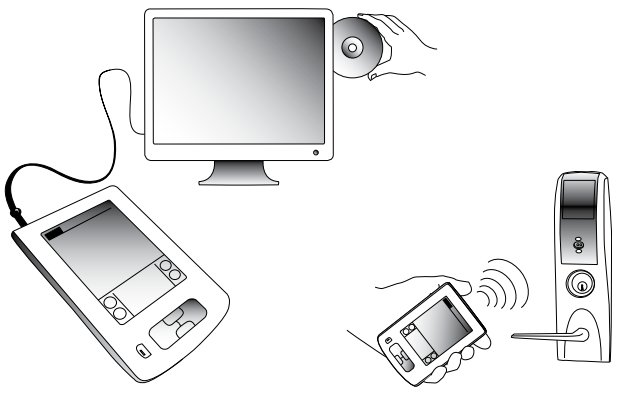
- Audit Trail provides parameters such as access granted in, access denied, entry into programming mode, date, time, user and door information
- Low battery indication – four chirps after code entry. Master and emergency code will operate lock after the low battery indication period has passed and user codes no longer operate the lock
- Moisture resistant coating on electronics
- Entry of three wrong user codes in succession disables all codes for ten seconds
- UL Listed to U.S. and Canadian safety standards
- Forced and propped door option
- Weatherseal gaskets and conduit provided for use on exterior doors
- Remote power and request to enter available – requires wire harness and hard wiring
- One master code – forced master code change from factory default. Assigns emergency, supervisory and user codes and allows entry when deadbolt is thrown (mortise locks)
- Multiple supervisory codes – allow temporary lockout of selected users, change unlock time duration, request audit log and add user codes
- Emergency code – allows entry when deadbolt is thrown (mortise locks). Unlocks after the low battery indication period has passed and user codes no longer operate lock
- Temporary codes by number of uses (1-500), start and stop dates or total days after first use (24 hour specific)
- Maintained (passage) code – unlocks

Keypad Features

- LEDs on unit indicate status – green indicates unlocked; yellow indicates programming mode

Proximity Features

- Supports all HID 125 KHz Wiegand formats (up to 40 bit) by keypad presentation or when using proximity enrollment station with SoloPlus™ software
- Supports 26, 34 & Corporate 1000 (35 bit) HID formats with *SoloPlus* software programming



Credential Quick Codes

Description	Specify
Credential for 2000 User	
Keypad Only	M801
Prox Only	M802
Keypad/Prox	M803
Keypad/RF	M804
Prox/RF	M805
Keypad/Prox/RF	M806

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45014-7/18

2000 User Mode Features

Access 800 AC2



Software Features

SoloPlus™ Software

SoloPlus Software allows simple programming and interrogation of the *Access 800* access control products. This software provides the means for fast, convenient assignment of access levels, doors, users, time zones and management of multiple doors with full audit trail capability. Communication between the computer and lock controller is via DTD or a PDA that allows for quick and efficient program transfer and audit trail retrieval. For more information see page 33.



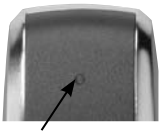
RF Fob



Outside Escutcheon
cylindrical shown



Inside Escutcheon



RF Actuation Indicator

RF Fob

RF technology offers stand-alone access control enhancement by allowing the user to remotely control the lock by means of a hand-held transmitter (RF fob).

The *Access 800* lock is easily programmed for three primary RF actuation modes: Passage, Standard or Panic. RF technology is an additional means of operating the lock to direct keypad code entry or proximity credential presentation.

Three Primary Modes of RF Technology

Passage: Remotely toggle (lock/unlock) the unit which remains locked/unlocked until the RF Fob is pressed again. **Convenient applications:** To unlock doors for extended periods of time; employee entrances, office suites, etc.

Unlock/Relock: Remotely unlock for a defined period of time (1 to 255 seconds) and then automatically relock at the end of that time period. **Typical applications:** Security entrances, guard stations, anywhere an electric strike is not feasible and/or an audit trail is desired.

Panic: An RF fob set as a "Panic User" can be used to quickly and easily remotely lock entry doors during emergency situations to prevent entry by intruders. Remains locked until reset by Master code.

Features

- Available with keypad, keypad/proximity and proximity only models
- C-UL US Listed for fire doors[1]
- Typical operating distance of 35 to 75 feet on inside of door; 10 to 25 feet on outside of door[2]
- Ideal for retrofit applications: Minimal door prep with no frame prep, wiring or external power supply needed
- Multiple RF Fobs may be programmed into a single lock
- LED indicator on inside escutcheon shows when RF lock is actuated
- Cylindrical, Mortise Lock and Exit Device versions
- Supported by *SoloPlus* software
- All user types, features for *Access 800* supported

1. Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.
2. Operating distance may vary depending on building construction

Credential Quick Codes

Description	Specify
Credentials for 2000 User	
Keypad Only	M801
Prox Only	M802
Keypad/Prox	M803
Keypad/RF	M804
Prox/RF	M805
Keypad/Prox/RF	M806

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Features

Access 800 AC2

ML20800 AC2 Mortise Lock



Mortise Lock
ML20800

The one-piece escutcheon of the motorized mortise lock product has a clean, crisp design and is available with a variety of lever designs and hardware finishes. ML20800 mortise locks are ideal for business and facility entrances, computer room areas, telephone rooms, health clubs, and child care facilities. Ecoflex™ technology offers improved battery life.

Features

Handing
Handed; quick reversibility. The lockset can be re-handed without disassembling the lock body

Door Thickness
1-3/4" (44mm) standard.
Optional 2" (50mm) to 2-1/4" (57mm).

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge chrome plated steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x 3/32" (2mm). Accommodates non-beveled and beveled doors 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought brass, bronze or stainless steel attached by machine screws to lockcase front.

Latch
Patented, quick, reversible 2-piece mechanical with anti-friction insert 5/8" (16mm) x 1" (25mm) x 3/4" (19mm). U.S. Patent #6,349,982.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Lever Trim
Free floating, to fit doors 1-3/4" (44mm) to 2-1/4" (57mm).

Hub
Steel, 5/16" (8mm).

Strike
Wrought brass or stainless steel ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available.

Cylinder
1000-138-A01, 6-pin, L4, keyed random, furnished standard for 1-3/4" (44mm) door.
Optional cylinders available.

Batteries
Operates with 6 AA batteries (included).

Operations
Typical 80,000 per set of batteries.
RF technology will limit battery life to approximately 4-1/2 months.

Optional Power Supply
9VDC output. Operates 2 each *Access 800* locks. Specify 784 when ordering.

Warranty
10-year limited mechanical.
2-year limited electrical.

Certification/Compliance

ANSI
Meets A156.13, Grade 1 requirements.
Meets A117.1 Accessibility Code.
Meets A156.25 requirements.

Credential Quick Codes

Description	Specify
Credential for 100 User	
Keypad Only	M800
Credentials for 2000 User	
Keypad Only	M801
Prox Only	M802
Keypad/Prox	M803
Keypad/RF	M804
Prox/RF	M805
Keypad/Prox/RF	M806

45014-7/18

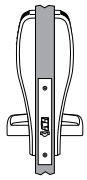
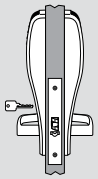
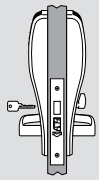
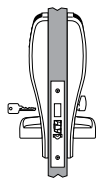
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Corbin Russwin ASSA ABLOY

Functions

ML20800 AC2 Mortise Lock

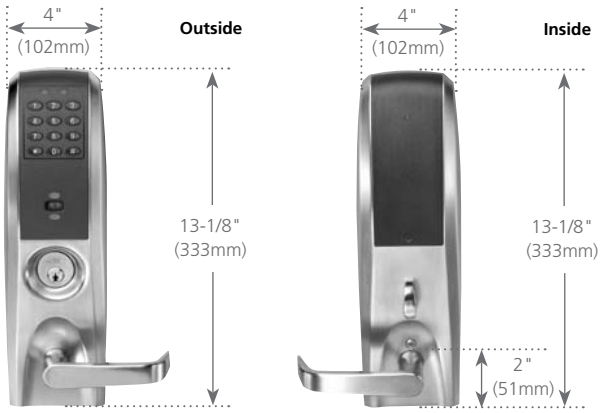
Access 800 AC2

Outside / Inside	Series/Function	Type	Function Description
	ML20833 Without Cylinder or Deadbolt	Entry	• Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user code entered
	ML20834 With Cylinder Without Deadbolt	Entry	• Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user code entered • Key outside retracts latch • No deadbolt function
	ML20835 Without Cylinder With Deadbolt	Entry	• Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user code entered • When deadbolt thrown, outside lever operable only with emergency code or master code
	ML20836 With Cylinder and Deadbolt	Entry	• Deadlocking latch • Latch and deadbolt retracted by inside lever and deadbolt at all times • Outside lever rigid except when in "passage" mode or valid user code entered • Key outside projects or retracts deadbolt and retracts latch • When deadbolt projected, outside lever operable only with emergency code, master code, or key (key retracts deadbolt and latch)
	ML20837 With Deadbolt and Inside	Dormitory Entry	• Deadlocking latch • Dorm room application for students using proximity cards • Prevents students from locking themselves out of dorm rooms • Controller to be configured at factory for dorm room application • Available with M802 and M803 Quick Codes • Latch and deadbolt retracted by inside lever, placing lock in passage mode; must present valid user code to secure door upon exit

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Escutcheons

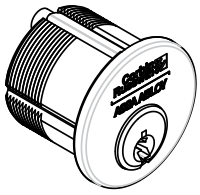
- Zinc die cast
- Lowest projection 11/16" (17mm) less lever
- Highest projection 1-5/8" (41mm)
- Tactile keypad
- Operating temperature -40°F (-40°C) to 135°F (57°C)
- LEDs indicate valid/invalid entries
- Keys/buttons with double shot mold construction prevents wear



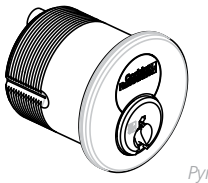
Cylinders

- Conventional (standard for ML2000)
- Security (standard for ML2000HS)
- Pyramid
- Interchangeable Core (IC)
- 2 nickel silver keys
- Finishes: See Key Systems and Pyramid

Conventional
(Fixed Core)



Interchangeable Core
(IC)



Pyramid Shown

Cylinder Quick Codes

Mortise Cylinder Type	Keyed Functions for 1-3/4" Door
Pyramid High Security (PHS)	1020-114-A01
Pyramid High Security Interchangeable Core (PCHS)	1030-138-A01
Pyramid Security (PS)	1027-114-A01
Pyramid Security IC (PCS)	1037-138-A01
Conventional 6-pin	1000-138-A01
7-pin (7P)	1000-138-A01-7
6-pin IC (C6)	1080-138-A01
7-pin IC (C7)	1080-112-A01-7
Security IC (CHS)	1090-138-A01
Security (HS)	1010-138-A01

For complete Pyramid information and options refer to Pyramid catalog.

To order optional cylinder with lockset, see Quick Codes, page 17.

To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 1000-138-A01 x L4 x 626).

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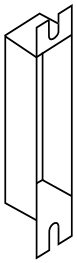
Options & Accessories

ML20800 AC2 Mortise Lock

Access 800 AC2

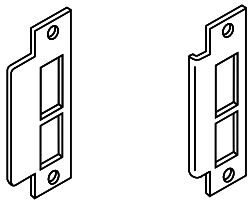
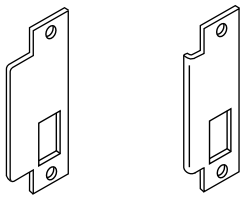
Strikes

ANSI Straight Lip (standard)
Brass, Bronze or Stainless Steel
Non-handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center
Optional lip lengths: 7/8" (22mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

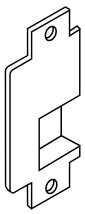


ANSI Curved Lip
Brass, Bronze or Stainless Steel
Handed 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center
Optional lip lengths: 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

ANSI Wrought Strike Box
To order with lockset; see Quick Codes, page 17. To order separately, specify 120F768.

		Part No.	Description
Latchbolt X Deadbolt		236L72	Straight Lip
		340L60	Curved Lip for RH, LHR
		340L61	Curved Lip for LH, RHR
Latchbolt Only		236L73	Straight Lip
		340L62	Curved Lip for RH, LHR
		340L63	Curved Lip for LH, RHR

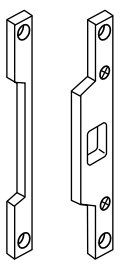
To order strike with lockset, see Quick Codes, page 17. To order strike separately, specify Part No. x Lip Length x Finish (e.g., 340L60 x 1-1/2" x 626).



Open Back
Size: 5-1/4" (133mm) x 1-1/4" (32mm)

Hand	Door Thickness	Part
LHL	1-3/4" (44mm)	411L63016
	2" (51mm)	411L63018
	2-1/4" (57mm)	411L63020
RHR	1-3/4" (44mm)	411L62016
	2" (51mm)	411L62018
	2-1/4" (57mm)	411L62020

To order with lockset; see Quick Codes, pg. 17. To order separately, specify Part No. x Door Thickness x Finish (e.g., 411L62 x 2" x 626).



Rabbeted Front and Strike
Brass or bronze. For 1/2" (13mm) rabbet.
No optional lip lengths.

	Part No.	Hand
Latchbolt x deadbolt	318F66 318F69	RH/LHR LH/RHR
Latchbolt only	318F64 318F67	RH/LHR LH/RHR

To order with lockset; see Quick Codes, page 17. To order separately, specify Part No. x Finish (e.g., 318F66 x 626).

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Corbin Russwin
ASSA ABLOY

Available Trim Options

ML20800 AC2 Mortise Locks

Access 800 AC2

Standard

	ML20800	
Armstrong	ASZ	 Armstrong
Newport	NSZ	 Citation
Princeton	PSZ	 Dirke
Citation	CSZ	 Essex*
Dirke	DSZ	 Lustra*
Essex	ESZ	 Newport*
Lustra	LSZ	 Princeton*
Regis	RSZ	 Regis
Vineyard™		
Frascati	FSZ	 Frascati
Merlot	MSZ	 Merlot
Tuscany	TSZ	 Tuscany*
Zinfandel	ZSZ	 Zinfandel
Muséo®		
GEORGIA		
102	102Z	 102
103	103Z	 103
104	104Z	 104[2]
124	124Z	 124[1]
125	125Z	 125[1]
SALVADOR		
106	106Z	 106
107	107Z	 107
108	108Z	 108
109	109Z	 109*
110	110Z	 110
123	123Z	 123[1]
128	128Z	 128[1]
129	129Z	 129[1]
MARC		
111	111Z	 111[2]
112	112Z	 112[2]
113	113Z	 113[2]
114	114Z	 114[2]
115	115Z	 115[2]
116	116Z	 116[2]
130	130Z	 130[1,2]
131	131Z	 131[1,2]
132	132Z	 132[1,2]
PABLO		
117	117Z	 117[2]
126	126Z	 126[1,2]
JACKSON		
119	119Z	 119[2]
121	121Z	 121[2]
122	122Z	 122[2]
127	127Z	 127[1,2]
PIET		
21G	21GZ	 21G
21L	21LZ	 21L
21M	21MZ	 21M
21S	21SZ	 21S
23M	23MZ	 23M
25M	25MZ	 27M
27M	27MZ	

1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available in 32D or 32 finish.

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Available Trim Options

ML20800 AC2 Mortise Locks

Muséo® Piet Lever Collection Trim and Finish Options



Leather Insert
21L



Santoprene™ Insert
21S



Plain
25M



Plain with Two Grooves
27M

Trim	Lever Finish Options					
Lever Style	Shank Finish	Specify	Insert Finish	Specify	Grip Finish*	Specify
21L	629 or 630	29 or 30	Black or Brown	BK or BN	629 or 630	29 or 30
21S	629 or 630	29 or 30	Black	BK	629 or 630	29 or 30
25M	629 or 630	29 or 30	N/A	00	629 or 630	29 or 30
27M	629 or 630	29 or 30	N/A	00	629 or 630	29 or 30



Grooved Insert
21G



Polished with Satin Insert
21M



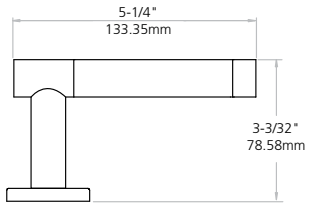
With Raised Band
23M

Trim	Lever Finish Options					
Lever Style	Shank Finish	Specify	Insert Finish	Specify	Grip Finish	Specify
21G	629 or 630	29 or 30	N/A	00	629 or 630	29 or 30
21M	629	29	630	30	629	29
23M	629 or 630	29 or 30	N/A	00	629 or 630	29 or 30

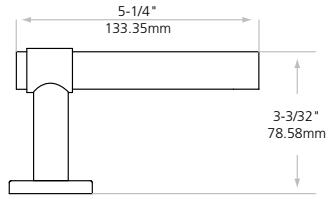
** Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.*
*** Grip finish must match shank finish*

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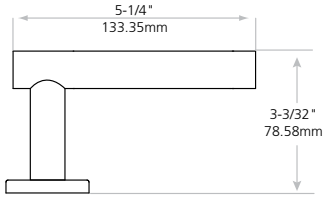
How to Order the Muséo® Piet Lever Collection



21G, 21L, 21M, 21S



23M



25M, 27M

Stock Order

Quantity	Series/ Function	Technology Code	Trim	Lever Finish	Lock Finish*	Hand	Credential Quick Code
2	ML20834	TCAC2	21MZ	293029	625	RHR	M803

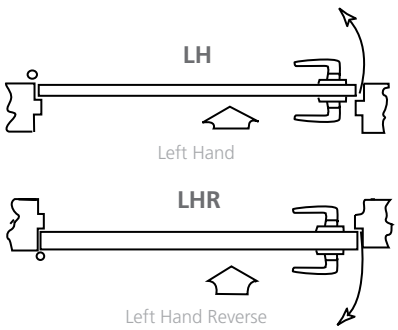
› Muséo® Piet Lever 21M - Polished with Satin Insert
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 625 Lock Finish

Stock Order

Quantity	Series/Function	Technology Code	Trim	Lever Finish	Lock Finish*	Hand	Credential Quick Code
2	ML20834	TCAC2	21MZ	29BH29	625	RHR	M803

› 29BH29 Lever Finish
Wood insert with polished stainless steel (629) shank and polished stainless steel (629) grip
› 625 Lock Finish
* Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.

Handing



Note: Arrow indicates secure side of door.

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How To Order

ML20800 AC2 Mortise Lock

Ordering Examples

Stock Order

Quantity	Series/Function	Technology Code	Trim	Finish	Hand	Credential Quick Code
24	ML20834	TCAC2	LSZ	626	RHR	M803

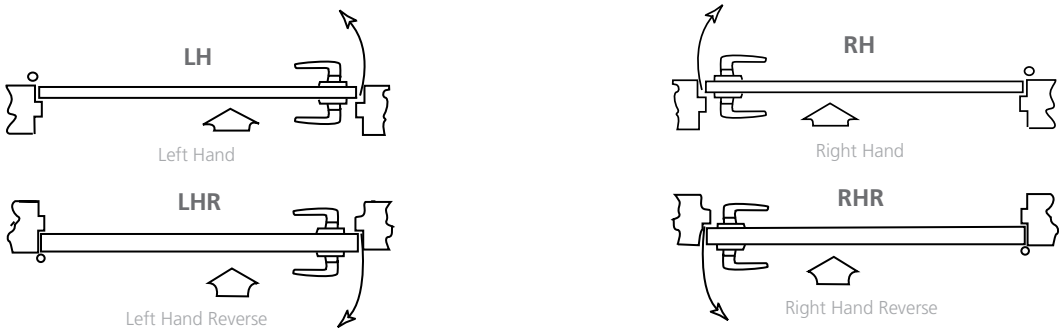
Split Trim/Finish Order

Quantity	Series/Function	Technology Code	Trim		Finish		Hand	Credential Quick Code
			Outside	Inside	Outside	Inside		
24	ML20834	TCAC2	LSZ	CSZ	626	606	RHR	M803

Contract/Detailed Order

Quantity	Keyset	Series/ Function	Technology Code	Trim	Finish	Hand	Door Thickness	Optional Strike	Credential Quick Code	Optional Cylinder	Keying
24	AA1	ML20834	TCAC2	LSZ	626	RHR	D214	SA200	M803	C7	VKC3

Handing



Note: Arrow indicates secure side of door.

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Corbin Russwin
ASSA ABLOY

Quick Codes

ML20800 AC2 Mortise Lock

Access 800 AC2

Cylinders and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less Cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with Temporary Construction Core	
Red	CT6R
Blue	CT6B
Green	CT6G
CI 6-pin Less Core	CL6
SFIC 6-pin with Less Core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin	C7
IC 7-pin with Temporary Construction Core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin Less Core	CL7
SFIC 7-pin with Less Core	CLS7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
Security	HS
Security IC	CHS
Pyramid Fixed Core	PHS
Pyramid IC	PCHS
Pyramid IC Less Core	CLP
Pyramid with Temporary Construction Core	CTP
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
Keyed Random (Standard)	KR
Construction Master Eyed (not available for Pyramid)	CMK
Visual Key Control	
- No Keying Data Stamped on Key or Cylinder	VKC0
- Keys Only	VKC1
- Cylinders and Keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders Only (not for HS, CHS, PHS or PCHS)	VKC3

45014-2/14

Cylinders and Keying (Cont.)

Description	Specify
Concealed Key Control (CKC)	
- CKC Cylinders with VKC Keys	CKC2
- CKC Cylinders Only (not for PHS, PCHS)	CKC3
2 Keys per Lock	(standard)
More than 2 Keys	KY# (e.g., KY6)

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E
Dark Oxidized Satin Bronze, Clear Coated	613L
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Black Oxidized Bronze, Oil Rubbed	722

Miscellaneous Options

Description	Specify
Torx® head screws	M04
ANSI wrought strike box	M17
Knurling outside and inside*	M20
Knurling outside only*	M21
Knurling inside only	M22
Abrasive coat outside and inside*	M23
Abrasive coat inside only*	M24
Abrasive coat outside only	M25
Power/Remote Unlocking Harness	M35
Forced/Propped Door**	M861

*not available with Vineyard or Museo levers.
**not compatible with M800

Door Thickness

Door Thickness	Specify
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

Credential Quick Codes

Description	Specify
Credential for 100 User	
Keypad Only	M800
Credentials for 2000 User	
Keypad Only	M801
Prox Only	M802
Keypad/Prox	M803
Keypad/RF	M804
Prox/RF	M805
Keypad/Prox/RF	M806

Strikes

ANSI Lip to Center	ANSI Straight Lip Specify	Curved Lip Specify
7/8" (22mm)	SS078	N/A
1-1/8" (29mm)	(standard)	N/A
1-1/4" (32mm)	SS114	SA114
1-3/8" (35mm)	SS138	SA138
1-1/2" (38mm)	SS112	SA112
1-3/4" (44mm)	SS134	SA134
2" (51mm)	SS200	SA200
2-1/4" (57mm)	SS214	SA214
2-1/2" (64mm)	SS212	SA212
2-3/4" (70mm)	SS234	SA234
3" (76mm)	SS300	SA300
Open Back Strike	Door Thickness	Specify
	1-3/4" (44mm)	SB134
	2" (51mm)	SB200
	2-1/4" (57mm)	SB214
Rabbeted front and strike - Specify		SR118

Handing

Hand	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR

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Features

CL33800 AC2 Cylindrical Lock

The motorized *Access 800* CL33800 design provides uniformity when used with other Corbin Russwin CL3300 locks at a facility. *Access 800* products offer access control solutions for meeting rooms, country club locker rooms and assisted living facilities. The product features three different lever designs, seven hardware finishes and cylinder override.



Features

Non-handed

Door Thickness
1-3/4" (44mm) to 2" (50mm) standard,
2" (50mm) to 2-1/4" (57mm) optional

Lock Chassis
Steel, zinc dichromated for corrosion resistance.

Backset
2-3/4" (70mm) standard.
Optional: 3-3/4" (95mm) and 5" (127mm).

Latchbolt
Stainless steel, 1/2" (13mm) throw.
Optional: 3/4" (19mm) throw deadlocking fire latch for pair of doors.

Auxiliary Latchbolt
Deadlocking latchbolt prevents manipulation when door is closed.

Front
Wrought brass or stainless steel,
2-1/4" (57mm) x 1-1/8" (29mm).
Accommodates non-beveled and beveled doors 1/8" (3mm) in 2" (51mm).
Optional: rounded corners.

Strike
Wrought brass or stainless steel ANSI curved lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard.

Keying Features Available
Master Keying
Construction master keying
Visual key control
Concealed key control
Interchangeable core (IC)
Security
Security IC
Pyramid
Pyramid IC
Pyramid Security
Pyramid Security IC

Batteries
Operates with 6 "AA" batteries (included)

Operations
Typical 80,000 per set of batteries. RF technology will limit battery life to approximately 4-1/2 months.

Keys
Two nickel silver standard.

Key Override
Standard not available without key override.

Optional Power Supply
9VDC output. Operates 2 each Access 800 locks. Specify 784 when ordering.

Warranty
7-year limited mechanical;
2-year limited electrical.

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Certification/Compliance

ANSI/BHMA
Meets A156.2 Grade 1 requirements.

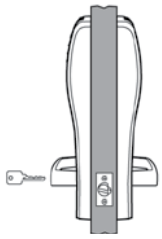
Federal
Meets FF-H-106C.

California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face.

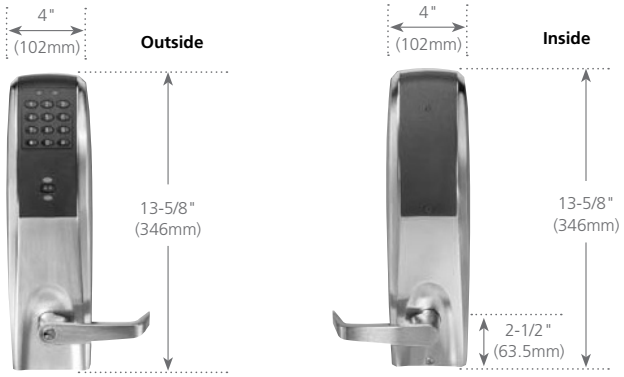
C-UL US
All locks with 1/2" (13mm) throw latchbolt listed for A label and lesser class 4' x 10' single doors. All locks with 3/4" (19mm) throw latchbolt listed for A label and lesser class 8' x 10' pairs of doors. Letter F and UL symbol on latch front indicate listing.

Credential Quick Codes

Description	Specify
Credential for 100 User	
Keypad Only	M800
Credentials for 2000 User	
Keypad Only	M801
Prox Only	M802
Keypad/Prox	M803
Keypad/RF	M804
Prox/RF	M805
Keypad/Prox/RF	M806

Outside	Inside	Series/Function	Type	Function Description
		CL33834 With Cylinder	Entry	• Latch retracted by inside lever at all times. • Key outside retracts latch. • Outside lever locked (freewheeling) except when in "passage" mode or valid user code entered.

Escutcheons



- Zinc die cast
- Lowest projection 11/16" (17mm) less lever
- Highest projection 1-5/8" (41mm)
- Tactile keypad
- Operating temperature -40°F (-40°C) to 135°F (57°C)
- LEDs indicate valid/invalid entries
- Keys/buttons with double shot mold construction prevents wear
- Freewheeling outside lever when locked

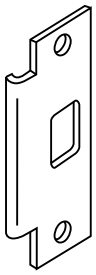
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Options & Accessories

CL33800 AC2 Cylindrical Lock

Access 800 AC2

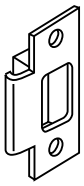
Strikes



ANSI Curved Lip (standard)

Brass or stainless steel,
4-7/8" (124mm) x 1-1/4" (32mm) x
1-1/4" (32mm) lip to center.
Optional lip lengths: 1" (25mm),
1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm),
1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm),
2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm).

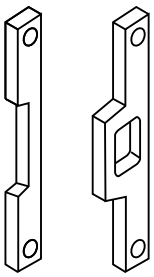
To order with lockset, see Quick Codes on page 22.
To order separately, specify 217L13 x
Lip Length x Finish.



Curved Lip Box

Brass, 2-3/4" (70mm) x 1-1/8" (29mm)
x 1-1/4" (32mm) lip to center.
Optional lip lengths: 1" (25mm), 1-1/8" (29mm),
1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm),
2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm),
2-3/4" (70mm), 3" (76mm).

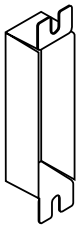
To order with lockset, see Quick Codes on page 22.
To order separately, specify 586L19 x
Lip Length x Finish.



Rabbeted Front and Strike

Brass, 4" (102mm) x 5/8"
(16mm) for 1/2" (13mm) rabbet.
No optional lip lengths.

To order with lockset, see Quick Codes
on page 22.
To order separately, specify 601F28
x Finish.



ANSI Wrought Strike Box

To order with lockset, see Quick Codes on page 22.
To order separately, specify 120F768.

Electrified Accessories

Description	Specify
Power Supply, 9VDC Output Operates 2 each Access 800 locks	784

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Available Trim Options and How to Order

CL33800 AC2 Cylindrical Lock

Access 800 AC2

Standard

	CL33800			
Armstrong	AZZ	 Armstrong	 Newport*	 Princeton*
Newport	NZZ			
Princeton	PZZ			
Vineyard™				
Frascati	FZZ	 Frascati		

Ordering Examples

Stock Order

Quantity	Series/ Function	Technology Code	Trim	Finish	Hand	Credential Quick Code
100	CL33834	TCAC2	NZZ	626	RHR	M803

Split Trim/Finish Order

Quantity	Series/ Function	Technology Code	Trim		Finish		Hand	Credential Quick Code
			Outside	Inside	Outside	Inside		
12	CL33834	TCAC2	NZZ	AZZ	626	625	LH	M803

Contract/Detailed Order

Quantity	Keyset	Series Function	Technology Code	Trim	Finish	Hand	Door Thickness	Backset	Optional Strike	Credential Quick Code	Optional Cylinder	Keying
24	AA1	CL33834	TCAC2	NZZ	626	RHR	D214	B334	SC114	M802	C6	VKC3

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Corbin Russwin ASSA ABLOY

Quick Codes

CL33800 AC2 Cylindrical Lock

Access 800 AC2

Cylinders and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less Cylinder(s)	LC
Security	HS
Security IC	CHS
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid with Temporary Construction Core	CTP
Pyramid Less Core	CLP
IC 6-pin	C6
IC 6-pin with Temporary Construction Core	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 6-pin Less Core	CL6
IC 7-pin	C7
IC 7-pin with Temporary Construction Core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin Less Core	CL7
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
SFIC 6- or 7-pin Small Format Disposable Core	CTSD
0-Bitted with 2 Blank Keys	(standard)
Keyed Random	KR
Construction Master Keyed	CMK
Visual Key Control (VKC)	
- No Bitting or Keyset Stamping on Keys	VKC0
- Keys Only	VKC1
- Cylinders and Keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders Only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed Key Control (CKC)	
- CKC Cylinders with VKC Keys	CKC2
- CKC Cylinders Only (not for PHS, PCHS)	CKC3
2 Keys per Lock	(standard)
More than 2 Keys	KY# (e.g., KY6)
Schlage® C Keyway cylinder[1]	C
Schlage® LA Keyway cylinder[2]	LA

1 Available 0-bitted & keyed random (KR) only
2 Available 0-bitted only

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E
Dark Oxidized Satin Bronze, Clear Coated	613L
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Black Oxidized Bronze, Oil Rubbed	722
Satin Chrome with MicroShield®	626C

Strikes

Lip to Center	ANSI Curved Lip Specify	Curved Lip Box Specify
1" (25mm)	SA100	SC100
1-1/8" (29mm)	SA118	SC118
1-1/4" (32mm)	(standard)	SC114
1-3/8" (35mm)	SA138	SC138
1-1/2" (38mm)	SA112	SC112
1-3/4" (44mm)	SA134	SC134
2" (51mm)	SA200	SC200
2-1/4" (57mm)	SA214	SC214
2-1/2" (64mm)	SA212	SC212
2-3/4" (70mm)	SA234	SC234
3" (76mm)	SA300	SC300
Rabbeted front and strike		Specify SR118

Door Thickness

Door Thickness	Specify
1-3/4" (44mm) - 2" (51mm)	(standard)
2" (51mm) - 2-1/4" (57mm)	D214

Backset

Description	Specify
2-3/4" (70mm)	(standard)
3-3/4" (95mm)	B334
5" (127mm)	B500

Miscellaneous Options

Description	Specify
Torx® head screws	M04
Less cylinder, with tailpiece for Schlage® cylinder	M06
Lever to accept Best® type core (NZD & PZD designs only)	M08
Lever to accept Sargent® cylinder (NZD & PZD design only)	M09
Rounded corners on latch front	M13
3/4" (19mm) throw fire latch	M16
ANSI wrought strike box	M17
Knurling outside and inside	M20
Knurling outside only	M21
Knurling inside only	M22
Abrasive coat outside and inside	M23
Abrasive coat inside only	M24
Abrasive coat outside only	M25
Power/Remote Unlocking Harness	M35
Lever to accept Schlage® interchangeable core (NZD & PZD design only)	M69
Forced door/propped door*	M861

*not compatible M800

Credential Quick Codes

Description	Specify
Credential for 100 User	
Keypad Only	M800
Credentials for 2000 User	
Keypad Only	M801
Prox Only	M802
Keypad/Prox	M803
Keypad/RF	M804
Prox/RF	M805
Keypad/Prox/RF	M806

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ED5000 x 9800/9M800 AC2 Exit Device

Access 800 products for Corbin Russwin's ED5000 Series rim, SecureBolt® and mortise exits provide access control in areas where life safety is a concern. This includes stairwell areas or tenant occupied facilities where stand-alone access control is required. Corbin Russwin *Access 800* exit devices are available with a variety of lever design styles and hardware finishes. Ecoflex™ technology offers improved battery life.



Features

Handing
Rim device is non-handed. Lever trim is handed. Mortise device is handed.

Bar Length
Easily field cut to size.
Standard: 36" (914mm) bar fits 30" (762mm) to 36" (914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36" (914mm) to 48" (1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 4-1/2" (114mm).

Latchbolt
3/4" (19mm) throw, stainless steel pullman-type with stainless steel deadlocking latch.

Latchbolt - for ED5200S(A) SecureBolt
Full 3/4" (19mm) projection, 1" (25mm) strike engagement, positive deadlocking by auxiliary bolt.

Projection
3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging
Standard on panic-rated devices; single-point 1/4 turn hex key dogging.
Optional: less dogging, specify M51.
Optional: cylinder dogging; specify M52.
Optional: electric dogging; specify M97.
Mechanical dogging not available on fire-rated devices.

Fasteners
Standard on panic devices: machine screws and wood door fasteners.
Standard on fire-rated devices: sex nuts and bolts.
Optional on panic devices: sex nuts and bolts for use on wood, composite or unreinforced metal doors; specify M54.
Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64.

Strike
Surface-mounted 3/8" (10mm) diameter roller strike, complete with positive locking plate and shims, assuring low friction relocking for a long, trouble-free life.

Functions and Trims
Through-bolted lever trim available with wide range of functions; see Trim, pages 27-28.

Cylinders
Cylinder not included unless specified.

Shim Kit
Optional for mounting device over raised vision light molding; specify M58.

Key Override
Standard. Available with non-key override.

Batteries
Operates with 6 AA batteries (included).

Operations
Typical 80,000 per set of batteries. RF technology will limit battery life to approximately 4-1/2 months.

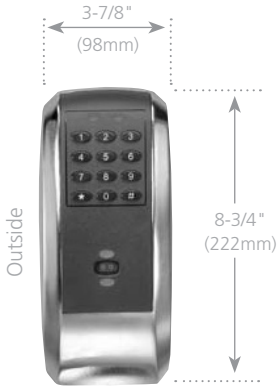
Optional Power Supply
9VDC output. Operates 2 each Access 800 locks. Specify 784 when ordering.

Warranty
5-year limited mechanical.
2-year limited electrical.

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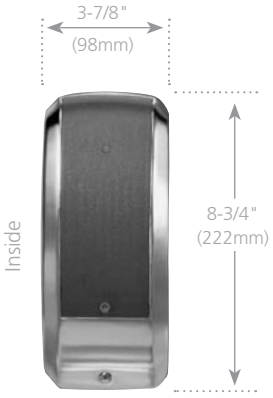
Features

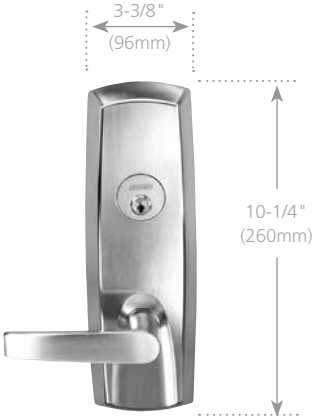
ED5000 x 9800/9M800 AC2 Exit Device



Escutcheons

- Zinc die cast
- Projection at top 1-5/8" (41mm)
- Tactile Keypad
- Operating temperature – 40°F (-40°C) to 135°F (57°C)
- LEDs indicate valid/ invalid entries
- Keys/buttons with double shot mold construction prevents wear





Outside Lever Control

- Cast lever
- Forged escutcheon
- Free wheeling lever when locked (9833 and 9834 only)

Certification/Compliance

ANSI

Meets A156.3, Type 1 & 3, Grade 1.
Meets A117.1 Accessibility Code.

C-UL US

All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. Three-hour fire-rated* devices listed as fire exit hardware for A label and lesser class 4' x 8' single or 8' x 8' double doors; UL symbol on active case cover indicates listing.

California State Reference Code

This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA

All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors* and Windows.

ADA

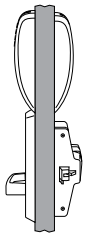
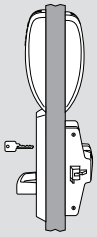
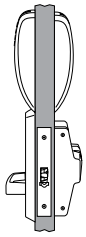
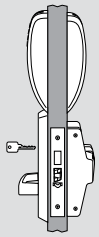
Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Credential Quick Codes

Description	Specify
Credential for 100 User	
Keypad Only	M800
Credentials for 2000 User	
Keypad Only	M801
Prox Only	M802
Keypad/Prox	M803
Keypad/RF	M804
Prox/RF	M805
Keypad/Prox/RF	M806

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Outside / Inside	Series/Function	Type	Function Description
	ED5200(A) & ED5200S(A) *9833 Without Cylinder	Entry	• Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when in passage mode or valid user code entered
	ED5200(A) & ED5200S(A) *9834 With Cylinder	Entry	• Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when in passage mode or valid user code entered • Outside cylinder override allows lever to retract latch
	ED5633(A)L *9M833 Without Cylinder	Entry	• Latch retracted by inside push pad at all times • Outside lever rigid except when in passage mode or valid user code entered
	ED5634(A)L *9M834 With Cylinder	Entry	• Latch retracted by inside push pad at all times • Outside lever rigid except when in passage mode or valid user code entered • Outside cylinder override retracts latch

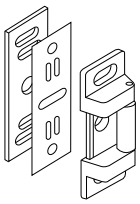
*Lever Design (prefix)

Note: 9M833 and 9M834 cannot be retrofitted to an existing ED5600 Series mortise device. When ordered as "Trim Only", 9M833 and 9M834 will be furnished with the appropriate mortise lock. If a "Trim Only" order is intended for retrofitting an exit device with a M91 Bolt Monitor or M93 Trim Monitor function, that function must be specified with the trim order to ensure the correct lock is furnished.

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Option & Accessories

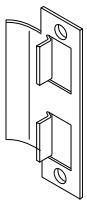
ED5000 x 9800/9M800 AC2 Exit Device



SecureBolt® and Fire-Rated Rim Strike and Rim Strike

Standard on ED5200S, ED5200SA, ED5200A and ED5200 devices. Supplied with locking plate and two 1/16" (1.6mm) shims. For doors with 1/2" (13mm) or 5/8" (16mm) stop. Adjustable to compensate for shrinkage and swelling of door. 3-1/2" x 1-1/4" (99mm x 32mm). Black finish only. To order separately specify 650F30-8.

Mortise Strikes



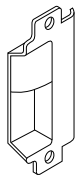
Mortise Strike

Standard on ED5600(A) Series. Non-handed, ANSI curved lip, 4-7/8" x 1-1/4" x 1-1/4" (124mm x 32mm x 32mm) lip to center. To order separately, specify 650L657020.



Mortise Strike for Pairs of Doors with Astragal

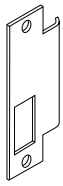
Optional for use with ED5600(A) Series devices where an astragal is to be installed. Non-handed, ANSI straight lip, 4-7/8" x 1-1/4" x 7/8" (124mm x 32mm x 22mm) lip to center. To order with exit device, specify SS078. To order separately, specify 653L157014.



Open Back Strike

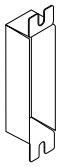
Optional for use with ED5600 x vertical rod devices on a pair of doors. Non-handed, 4-7/8" x 1-1/4" (124mm x 32mm). To order with exit device, specify SB134 for 1-3/4" doors, SB214 for 2-1/4"doors. To order separately, specify Part No. listed below.

Door Thickness	Type	Part No.
1-3/4" (44mm)	Curved lip	653L183016
	Straight lip	653L163016
2-1/4" (57mm)	Curved lip	653L183020
	Straight lip	653L163020



Mortise Strike

Standard on ED5600 and ED5600(A) devices on 2" (51mm) (D200) and 2-1/4" (57mm) (D214) thick doors. Handed ANSI curved lip, 4-7/8" x 1-1/4" x 1-1/2" (124mm x 32mm x 38mm) lip to center. To order separately, specify 656L677024 for RH, 656L687024 for LH.



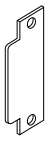
ANSI Wrought Strike Box

Optional for use with ED5600 and ED5600A devices. To order with exit device, specify M17. To order separately, specify 120F76-8.



Filler Plates

Optional for use on stock metal doors when required. To order, specify 334F99-8 600.



Optional for use on stock metal doors when required. To order, specify 236L708018 x Fin.



Optional for use on stock metal doors when required. To order, specify 077F19-8 600.

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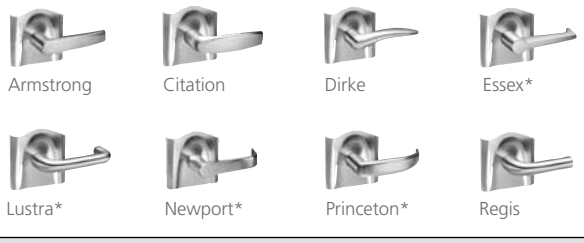
Available Trim Options

ED5000 x 9800/9M800 AC2 Exit Device

Access 800 AC2

Standard

	ED5200N	ED5600N
Armstrong	A9800	A9M800
Newport	N9800	N9M800
Princeton	PR9800	PR9M800
Citation	C9800	C9M800
Dirke	D9800	D9M800
Essex	E9800	E9M800
Lustra	L9800	L9M800
Regis	R9800	R9M800



Vineyard™

Frascati	F9800	F9M800
Merlot	M9800	M9M800
Tuscany	TS9800	TS9M800
Zinfandel	Z9800	Z9M800



Muséo®

GEORGIA

102	1029800	1029M800
103	1039800	1039M800
104	1049800	1049M800
124	1249800	1249M800
125	1259800	1259M800



SALVADOR

106	1069800	1069M800
107	1079800	1079M800
108	1089800	1089M800
109	1099800	1099M800
110	1109800	1109M800
123	1239800	1239M800
128	1289800	1289M800
129	1299800	1299M800



MARC

111	1119800	1119M800
112	1129800	1129M800
113	1139800	1139M800
114	1149800	1149M800
115	1159800	1159M800
116	1169800	1169M800
130	1309800	1309M800
131	1319800	1319M800
132	1329800	1329M800



PABLO

117	1179800	1179M800
126	1269800	1269M800



JACKSON

119	1199800	1199M800
121	1219800	1219M800
122	1229800	1229M800
127	1279800	1279M800



PIET

21G	21G9800	21G9M800
21L	21L9800	21L9M800
21M	21M9800	21M9M800
21S	21S9800	21S9M800
23M	23M9800	23M9M800
25M	25M9800	25M9M800
27M	27M9800	27M9M800



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available in 32D or 32 finish.

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45014-7/18

Available Trim Options

ED5000 x 9800/9M800 AC2 Exit Device

Muséo® Piet Lever Collection Trim and Finish Options



Leather Insert
21L



Santoprene™ Insert
21S



Plain
25M



Plain with Two Grooves
27M

Trim	Lever Finish Options					
Lever Style	Shank Finish	Specify	Insert Finish	Specify	Grip Finish*	Specify
21L	629 or 630	29 or 30	Black or Brown	BK or BN	629 or 630	29 or 30
21S	629 or 630	29 or 30	Black	BK	629 or 630	29 or 30
25M	629 or 630	29 or 30	N/A	00	629 or 630	29 or 30
27M	629 or 630	29 or 30	N/A	00	629 or 630	29 or 30



Grooved Insert
21G



Polished with Satin Insert
21M



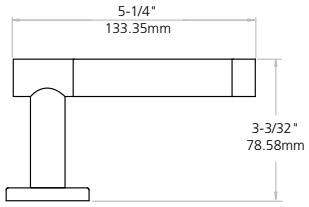
With Raised Band
23M

Trim	Lever Finish Options					
Lever Style	Shank Finish	Specify	Insert Finish	Specify	Grip Finish	Specify
21G	629 or 630	29 or 30	N/A	00	629 or 630	29 or 30
21M	629	29	630	30	629	29
23M	629 or 630	29 or 30	N/A	00	629 or 630	29 or 30

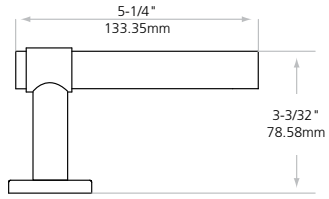
** Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.*
*** Grip finish must match shank finish*

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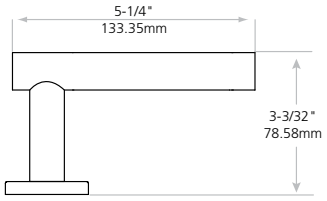
How to Order the Muséo® Piet Lever Collection



21G, 21L, 21M, 21S



23M



25M, 27M

Trim Only

Quantity	Trim/ Function	Technology Code	Lever Finish	Lock Finish*	Hand	Credential Quick Code
2	21M9833	TCAC2	293029	625	RHR	M803

› Muséo® Piet Lever 21M - Polished with Satin Insert
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 625 Lock Finish

Exit Device with Trim

Quantity	Exit Device	Trim/ Function	Technology Code	Lever Finish	Lock Finish*	Hand	Cylinder Option	Door Thickness	Optional Strike	Door Width	Credential Quick Code
2	ED5634L	21M9M834	TCAC2	29BH29	625	LHR	6P	D200	SB134	W048	M803

› 29BH29 Lever Finish
Polished with stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 625 Lock Finish
* Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.

Handing





Note: Arrow indicates secure side of door

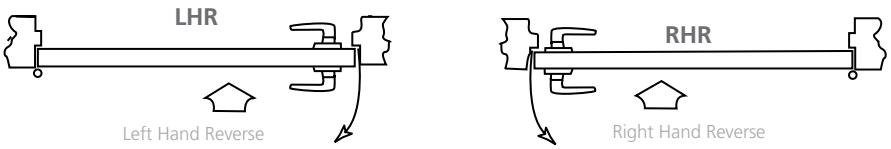
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How To Order & Quick Codes

ED5000 x 9800/9M800 AC2 Exit Device

Ordering Examples

Handing



Note: Arrow indicates secure side of door

Trim Only

Quantity	Trim/Function	Technology Code	Finish	Hand	Credential Quick Code
24	N9833	TCAC2	625	RHR	M803

Exit Device with Trim

Quantity	Exit Device	Trim/Function	Technology Code	Finish	Hand	Cylinder Option	Door Thickness	Optional Strike	Door Width	Misc. Options	Credential Quick Code
65	ED5634L	N9M834	TCAC2	605	LHR	6P	D200	SB134	W048	M51-M54	M802

Contract/Detailed Order - Rim Exit Device with Trim

Quantity	Keyset	Exit Device	Trim/Function	Technology Code	Finish	Hand	Door Width	Credential Quick Code	Cylinder Option
36	AA1	ED5200	C9834	TCAC2	626	LHR	W048	M804	7P

Electrified Accessories - specify part number

Description	Specify
Controller (Required for Electric Latch Pullback)	781N
Power Supply 9VDC Output	784
Power Supply 1.0 Amp @ 24 VDC Output	BPS-24-1
Power Supply 2 Amp @ 24 VDC Output	BPS-24-2
SPDT Maintained Switch (includes LED)	MKA, MKAN
SPDT Momentary Switch (includes LED)	MK
SPDT Momentary Switch (illuminated)	PB3
SPDT Maintained (Alt. Action) Switch	PB3EA
Sonalert 90lbs. @ 2ft. 12-24VDC mounted on one gang stainless steel plate	PZ1
Alarm Kit (cylinder is not included)*	ED50AK
Concealed transfer for over 120° swing doors	EPTL

*Alarm Kit cannot be installed in the field to surface vertical rod device. Any attempt to do so voids all warranties.

Electrified Options for Exit Devices

Description	Specify
Exit Alarm Device (cylinder not included)	M61
Bolt Position Monitoring	M91
Touchbar Monitoring or Signaling	M92*
Outside Trim Monitoring or Signaling	M93
Electric Latch Pullback	M94
Electric Dogging	M97

*M92 is included with M861 option.

Delayed Egress Options

Description	Specify
Delayed Egress (15-second delay)	D
- 30-second delay (may be accepted by local jurisdiction)	M88
- BOCA 15-second delay	M89
- BOCA 30-second delay	M90

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Corbin Russwin ASSA ABLOY

Quick Codes

Access 800 AC2

ED5000 x 9800/9M800 AC2 Exit Device

Cylinders and Keying

Description	Specify
Conventional 6-pin	6P
Conventional 7-pin	7P
Less Cylinder(s)	standard
IC 6-pin	C6
IC 6-pin with Temporary Construction Core	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 6-pin Less Core	CL6
SFIC 6-pin with Less Core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin	C7
IC 7-pin with Temporary Construction Core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin Less Core	CL7
SFIC 7-pin with Less Core	CLS7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
Security	HS
Security IC	CHS
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid with Temporary Construction Core	CTP
Pyramid IC Less Core	CLP
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
0-bitted with 2 Blank Keys	Standard with Cylinder
Keyed random	KR
Construction Master Keyed (not available for Pyramid)	CMK
Visual Key Control	
- No Keying Data Stamped on Key or Cylinder	VKC0
- Keys Only	VKC1
- Cylinders and Keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders Only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed Key Control (CKC)	
- CKC Cylinders with VKC Keys	CKC2
- CKC Cylinders Only (not for PHS, PCHS)	CKC3
2 Keys per Cylinder	standard
Other than 2 Keys	KY# (e.g., KY6)

Finishes

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E
Dark Oxidized Satin Bronze, Clear Coated	613L
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Polished Stainless Steel*	629
Satin Stainless Steel*	630
Satin Stainless Steel with *MicroShield**	630C
Black Oxidized Bronze, Oil Rubbed	722

*Lever only. Escutcheons plated to match.

Door Thickness

Door Thickness	Specify
1-3/4" (44mm)	standard
2" (51mm)	D200
2-1/4" (57mm)	D214

Door Width

Door Width	Specify
24" (610mm)	W024
36" (914mm)	standard
48" (1219mm)	W048

Credential Quick Codes

Description	Specify
Credential for 100 User	
Keypad Only	M800
Credentials for 2000 User	
Keypad Only	M801
Prox Only	M802
Keypad/Prox	M803
Keypad/RF	M804
Prox/RF	M805
Keypad/Prox/RF	M806

Strikes

Description	Specify
Mortise ANSI strike for pairs of doors with astragal	SS078
Open back strike for 1-3/4" doors	SB134
Open back strike for 2-1/4" doors	SB214

Handing

Hand	Specify
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Miscellaneous Options

Description	Specify
Torx® Head Screws	M04
ANSI wrought strike box (mortise)	M17
Knurling outside & inside (embossed touchbar - device side)*	M20
Knurling outside only (trim side)*	M21
Knurling inside only (embossed touchbar - device side)	M22
Abrasive coat outside and inside (trim and device)*	M23
Abrasive coat inside only (device side)	M24
Abrasive coat outside only (trim side)*	M25
Power/Remote Unlocking Harness	M35
Less dogging	M51
Cylinder dogging	M52
Sex nuts and bolts (SNBs)	M54
Shim kit (for vision light)	M58
Wood screws for use on fire-rated solid wood or wood core doors	M64
Forced/Propped Door**	M861

*not available with Vineyard or Museo levers.
**not compatible M800

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Features

WM800 Wall Proximity Reader/Controller



The WM800 is a self-contained hardwired access control system for use with controlled locking devices on single door openings. The unit can be mounted on any flat wall surface including glass (with included glass mounting kit). The proximity reader can be remotely mounted up to 10 feet away from the keypad/ controller on the unsecured side of an opening, providing a higher level of security and access control.

Features

Integrated Reader and Controller
Keypad and Proximity

Hardwired
12 or 24 volts DC

Audit Trail
Reports on the last 2000 events

2000 Users
Per each reader/controller

Programming Flexibility
8 time zones
32 holidays: 16 single & 16 block

Weather Resistant
Weather resistant electronics
Weather gasket included

HID Technology
Supports all HID formats

Door Monitoring Capability
Audio alert for propped and forced door

Request To Exit (REX) Capability
Can be mounted on secure side of door with internal Request to Exit switch capability

Main Relay
Switch up to 2 amps

Auxiliary Relay Switch
2 amp relay to signal alarm shunt, propped door or forced door (must use separate door status switch)

3 Different Mounting Options
1) One-piece stand-alone
2) Two-piece stand-alone (HID antenna remotely mounted)
3) One-piece glass mounted (secure electronics, card presented through glass door or window)

Specifications

Voltage
12/24 VDC

Current
60mA @ 12VDC or 69mA @24VDC

Inputs
1 REX

Relays
2 each; voltage 2 amps @ 12-24VAC/DC

LEDs
Bi-color (Red/Green)
Yellow

Dimensions
2.75" W x 5.27" H x 1.60" D

Ordering Example

Quantity	Series	Part No.
24	WM800	708F969

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ASSA ABLOY Data Transfer Device (DTD) and SoloPlus™ Software





Data Transfer Device

ASSA ABLOY Data Transfer Device (DTD) and SoloPlus™ Software

The ASSA ABLOY Data Transfer Device (DTD) is a handheld device that allows users to upload programming and configuration files to the lock and download audit trails. Communication between the DTD and the lock is accomplished through infrared technology. The device is capable of programming and auditing up to 250 doors, and programming up to 2000 users. The DTD can also be used with the Access 800® AC2 (M800 - 100 user version only) to retrieve audit trails.

ASSA ABLOY *SoloPlus* software is included with the DTD for use with PCs and for storing information received from audit trails. *SoloPlus* software is compatible with either the DTD or PDAs currently being used with *Accessware* v2.0 software. *SoloPlus* offers an updated user interface, a conversion utility from older *Accessware* databases, and the ability to choose whether to use a DTD or PDA for programming by site.

SoloPlus Features

- Updated user interface and improved access level management
- iUpdate feature to check for software updates
- Replacement for Infrared Portable Printers with a printer application to retrieve audit trails - Access 800 AC2 (M800 - 100 user version only)
- Password protected
- 20,000 user name database
- Supports 2,000 users per lock
- Allows customized access levels managed at PC
- User name import from an external database
- Easy to follow data entry
- Real-time clock with date and time
- Eight different time zones per lock
- Holidays (16 single days; and 16 blocks of days)
- Daylight saving time
- Auto Unlock with or without "first in" authorization
- Forced door/propped door[1]
- Forced change to master code
- Temporary user codes
- 2,000 event transaction history – audit trail to include user entry, date, time, user number, access denied, passage on, passage off, auto unlock, time zone denied, print, audit trail release, program mode, program mode denied, etc.
- Master code entry at keypad or presentation of "Master" or "Comm Enable" proximity credential at lock initiates PC download programming
- Designed for operation with data transfer device (DTD) or a PDA
- The DTD or PDA provides convenient (wireless) means of transferring door information to and from lock using *SoloPlus* software
- Capable of up/downloading door information for 250 doors
- User-friendly help feature
- Extensive report generating feature
- Directly supports HID 26, 33 and 34 bit formats and 35 bit Corporate 1000 format

SoloPlus™ Software	Order Part Number
SoloPlus™	790F139

System Requirements

- Operating System:
  Windows XP Home
  Windows XP Professional
  Windows Vista Home Premium
  Windows Vista Business
  Windows 7 Home Premium
  Windows 7 Professional
  Windows Server 2003
  Windows Server 2008
- CD-ROM drive
- Data Transfer Device (DTD) or a PDA*

Data Transfer Device (DTD)	Order Part Number
DTD	790F109

* DTD required for Windows Vista and later.

The DTD package includes: handheld DTD, SoloPlus software CD, USB cable, four (4) AA batteries, instructions and lanyard.

A Personal Digital Assistant (PDA) can also be used with SoloPlus. Compatible PDAs are listed below.

1. Specify M861 to order the Forced door/propped door option with the Access 800® AC2. Not compatible with the Access 800 AC2 M800 (100 user version).

2. Palm PDAs are only compatible with Windows XP.

PDA Manufacturer	Model
Aceeca	Meazura
Handspring	Visor
Kyocera	7135 Smart Phone
Palm[2]	IIIc
Palm[2]	IIIx
Palm[2]	IIIxe
Palm[2]	m105
Palm[2]	m125
Palm[2]	m130
Palm[2]	m500
Palm[2]	m505
Palm[2]	m515
Palm[2]	V
Palm[2]	Vx
Palm[2]	VIIx
Palm[2]	Tungsten C
Palm[2]	Tungsten E
Palm[2]	Tungsten E2
Palm[2]	Tungsten T
Palm[2]	Tungsten W
Palm[2]	TX
Palm[2]	Zire
Palm[2]	Zire 21
Palm[2]	Zire 31
Palm[2]	Zire 71
Palm[2]	Zire 72
Sony	Clie SJ20

45014-7/18

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Options & Accessories

Access 800 AC2

The access credentials below are only compatible with the M802 (125 kHz reader) option. Other credentials (125 kHz proximity and 13.56 MHz iCLASS®, 26-39 bit formats) can be purchased from HID®.

Credential Features

- Allows integration into existing facilities with HID-based technology
- Standard credentials available with 26 bit Wiegand format and Corbin Russwin assigned site code
- *HID* credentials available with 26 bit and 33 bit format and customer assigned site code. For a higher level of security, custom cards, fobs or tags with unique site codes are available; consult factory.

Corbin Russwin *HID* ProxCard® II

- 26 bit format
- Blank (white) card or Corbin Russwin logo card
- 25/pkg.
- Dimensions: 2-1/8" x 3-3/8" (54mm x 85.7mm)
- Thickness: .070" nom. (1.8mm)

794F349	C/R 26 bit *ProxCard* II blank
794F339	C/R 26 bit *ProxCard* II with logo
794F379	*HID* 26 bit *ProxCard* II with logo
794F389	*HID* 26 bit *ProxCard* II without logo

ISOProx® II Card

- 26 bit format
- Blank (white) card or Corbin Russwin logo card
- Blank card can be printed with customer's text and graphics – by others
- 25/pkg.
- Dimensions: 2-1/8" x 3-3/8" (54mm x 85.7mm)
- Thickness: .033" nom. (.84mm)

794F329	C/R 26 bit *ISOProx* II Card blank
794F319	C/R 26 bit *ISOProx* II Card with logo
794F359	*HID* 26 bit *ISOProx* II Card with logo
794F369	*HID* 26 bit *ISOProx* II Card without logo

DuoProx® II Card



- Multiple Technology Proximity Cards *DuoProx* – dual technology, proximity and magnetic stripe technology. Enables integration into systems with existing magnetic swipe card readers
- Minimum order quantity: 100 each
- Custom cards or fobs with unique site codes for higher level of security

794F399	C/R *DuoProx* II - prox and magstripe with logo
794F409	C/R *DuoProx* II - prox and magstripe w/o logo
794F419	*HID* 26 bit *DuoProx* II - prox and magstripe

Note 1: Access 800® will support all *HID* bit formats when proximity credentials are programmed directly into keypad (Presentation Method).

MicroProx® Tag



- 26 bit format with Corbin Russwin site code or customer site code
- Sequence numbers marked on each tag
- Gray color with HID Logo
- 10/pkg. (100 minimum order quantity)
- Dimensions: 1.285" x 0.070" (32.6mm x 1.78mm)
- For *MicroProx* Tag with customer site code, consult factory for minimum quantities

ProxKey® II



- 26-bit format
- 794F69: Site code controlled by Corbin Russwin 794F479: Customer requested site code or range of fob numbers
- 10/pkg.
- Dimensions: 1.9" x .09" x .05" (43mm x 22.9mm x 14mm)

794F469	C/R 26 bit *ProxKey* II
794F479	*HID* 26 bit *ProxKey* II

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Options & Accessories

Access 800 AC2



RF Fob

- Used with RF Technology (M804, M805, M806)
- Operating frequency: 418MHz
- Operating distance: 35-75 ft inside door
  10-25 ft outside door
- Sold separately. To order specify 708F999



784 Power Supply

- Provides a filtered and regulated 9 VDC remote power for *Access 800* locks
- Each unit can supply power to 2 *Access 800* products
- Requires raceway through the door*
- Optional 12 VDC gel cell battery

Includes:

- Plug-In Wall Transformer with approximately 12' (3.6m) of shielded wire that provides input power to the power supply
- Includes 12' (3.6m) of shielded wire for connection between power transfer and power supply
- To order separately, specify 793F039

* Recommended for new opening. Retrofit application may require surface mounted wire mold and transfer loop by others.



Enrollment Station

Enrolls 125kHz Wiegand Format HID proximity cards, up to 40 bit format, into SoloPlus™ software. Specify 712F089.



Power Supply Replacement Parts

Plug-In Wall Transformer

- Provides input power to 784 power supply module
- Output 16.5 VAC, 2.4 amps
- C-UL US listed
- To order, specify 793F049

Cable Assembly

- 12' (3.6m) shielded cable from the power supply to the power transfer
- To order, specify 793F059

Power Supply Circuit Board

- Replacement circuit board assembly
- 9 VDC, 700 ma
- To order, specify 794F309



Gel Cell Battery

- Optional for use with 784 power supply
- Provides continuous operation of *Access 800* in the event of a power failure (Strongly recommended for applications without cylinder override to prevent lock-out)
- 12 VDC 1.2 A/Hr rating
- 10,000 cycles typical in the event of power failure
- To order, specify 793F089

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Options & Accessories

Access 800 AC2



Power/Remote Unlocking Harness

- Wire harness for remote power and remote unlocking of lock
- Requires raceway through the door
- Requires power transfer*
- If ordering with Access 800® specify M35 Quick Code. If ordering separately, specify 711F989

Application	ElectroLynx® Door	*Non-Electrolynx Door
M861	QC4A	CC4
M35	QC8	CC4
M861 X M35	QC12	CC6

* Non- ElectroLynx door applications require raceway with wire harness through door and power transfer

Forced/Propped Door Alarm - M861

- Sounds audible local alarm if door is held open for extended period of time or door is forced open without use of valid credentials.
- Programmable through SoloPlus™.
- Alarm is shunted during egress by internal REX switch.
- Internal REX switch, external door position switch and internal wire harness included.
- If ordering with *Access 800* specify M861 Quick Code.

Forced/Propped Door Harness - M861

- Packed with lock assembly
- When ordering harness only, use 712F119
- Door status switch included

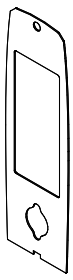
Application	ElectroLynx Door	*Non-Electrolynx Door
M861	QC4A	CC4
M35	QC8	CC4
M861 X M35	QC12	CC6

* Non- ElectroLynx door applications require raceway with wire harness through door and power transfer

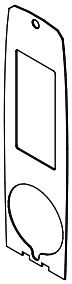
Weatherseal Gasketing Kit

- Includes rubber gasket(s) and durable ABS Conduit
- Gaskets provide sealing between escutcheons and door for exterior applications
- Conduit provides weather protection inside of door
- Gasketing and conduit for use on non-fire rated exterior applications only
- To order separately, specify kit part number

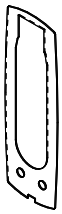
Access 800 Product	Kit Part Number
ML20800 Series Mortise Lock	794F929
CL33800 Series Cylindrical Lock	794F919
9800/9M800 Series Exit Trim	794F909



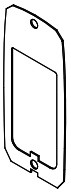
Mortise Escutcheon



Cylindrical Escutcheon



Exit Trim Escutcheon



Exit Keypad Escutcheon



Conduit

Readers:

Keypad/Proximity



Proximity
no keypad



Controller:



Keypad/Prox/RF Assemblies

Assembly	Products	Keypad M800*	Keypad M801*	Prox M802*	Keypad Prox M803*	Keypad RF M804*	Prox RF M805*	Keypad Prox, RF M806*
Controller	Cylindrical	708F819	712F009	712F019	712F019	712F029	712F039	712F039
	Mortise	708F829	712F049	712F059	712F059	712F069	712F079	712F079
	Mortise x Dorm	N/A	N/A	794F199	794F199	N/A	N/A	N/A
	Exit	708F829	712F049	712F059	712F059	712F069	712F079	712F079
Reader	All	708F809	708F089	708F099	708F089	708F089	708F099	708F089

* Assemblies include circuit board and housing. Batteries not included.

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ML20800 Series Mortise Locks

Access Control Mortise Locks

1. Access control mortise locks shall be ML20800 Series as manufactured by Corbin Russwin Architectural Hardware of Berlin, CT.
2. Provide access control mortise lock series, type and functions where specified in hardware groups, with the provisions below.
   - **a.** Cylinders: Refer to 2.04 KEYING, keying requirements.
   - **b.** Backsets: 2-3/4 inches.
   - **c.** Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8 inch beyond trim, frame or inactive leaf. Where required, provide open back strike and protected to allow practical and secure operation
3. Provide access control products with non-volatile memory.
4. Provide keypad-operated products with a maximum of 100 user codes (M800) or 2,000 user codes (M801).
5. Provide keypad/proximity (M803) and proximity only (M802) products with a maximum of 2,000 user codes and the ability to audit the last 2,000 transactions.
6. In addition to user codes, provide a Master Code as standard. The Master Code assigns emergency, supervisory, and user codes.
7. Provide SoloPlus™ Software (M801, M803), capable of working with Microsoft Windows based operating systems, required to program time zone periods, blocked holidays, automatic unlock with or without first entry, and listing 2,000 event transaction history – unlock, egress activation, entry into programming mode, date, time, user number, and door number.
8. Locking and unlocking of the lever handle shall be done by a motor-driven battery powered unit (solenoids not acceptable) contained completely within the body of the mortise lock. The inside lever is always free for egress. Provide lever design to match lock levers.
9. Locks shall have the option to be remotely controlled via handheld radio frequency (RF) transmitter, allowing lock/unlock capabilities from up to 75 feet away from the lock.
10. Locks shall have LEDs to indicate status – unlocked and programming mode.
11. Provide twenty-five (25) HID Prox Card II for keypad/proximity (M803) and proximity only (M802) products.
12. Doors to stairs (other than exit stairs), loading platforms, boiler rooms, stages and doors serving other hazardous locations shall have knurled or other similar approved marking of door lever handles or cross bars in accordance with local building codes.

CL33800 Cylindrical Locks

Access Control Cylindrical Locks

1. Access control cylindrical locks shall be CL33800 Series as manufactured by Corbin Russwin Architectural Hardware of Berlin, CT.
2. Provide cylindrical lock series and functions where specified in hardware groups, with the provisions below.
   - **a**. Cylinders: Refer to 2.04 KEYING, keying requirements.
   - **b.** Backsets: 2-3/4 inches.
   - **c.** Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8 inch beyond trim, frame or inactive leaf. Where required, provide open back strike and protected to allow practical and secure operation.
3. Provide access control products with non-volatile memory.
4. Provide keypad-operated products with a maximum of 100 user codes (M800) or 2,000 user codes (M801).
5. Provide keypad/proximity (M803) and proximity only (M802) products with a maximum of 2,000 user codes and the ability to audit the last 2,000 transactions.
6. In addition to user codes, provide a Master Code as standard. The Master Code assigns emergency, supervisory, and user codes.
7. Provide SoloPlus™ Software (M801, M802, M803), capable of working with Microsoft Windows based operating systems, required to program time zone periods, blocked holidays, automatic unlock with or without first entry, and listing 2,000 event transaction history – unlock, egress activation, entry into programming mode, date, time, user number, and door number.
8. Locking and unlocking of the lever handle shall be done by a motor-driven battery powered unit (solenoids not acceptable) contained completely within the body of the cylindrical lock. The inside lever is always free for egress. Provide lever design to match lock levers.
9. Locks shall have the option to be remotely controlled via handheld radio frequency (RF) transmitter, allowing lock/unlock capabilities from up to 75 feet away from the lock.
10. Locks shall have LEDs to indicate status – unlocked and programming mode.
11. Provide twenty-five (25) HID Prox Card II for keypad/proximity (M803) and proximity only (M802) products.
12. Doors to stairs (other than exit stairs), loading platforms, boiler rooms, stages and doors serving other hazardous locations shall have knurled or other similar approved marking of door lever handles or crossbars in accordance with local building codes.

ED5000 Series Exit Devices with 9800/9M800 Series Access Control Trim

Access Control Exit Devices and Trim

1. Access control exit devices shall be ED5000 Series as manufactured by Corbin Russwin Architectural Hardware of Berlin, CT.
2. Provide access control exit device series, type, and functions where specified in hardware groups. Corbin Russwin product numbers are referenced in the Hardware Groups.
3. All exit devices shall be UL listed for panic. Exit devices for labeled doors shall be UL listed as "Fire Exit Hardware".
4. Provide access control products with non-volatile memory.
5. Provide keypad-operated products with a maximum of 100 user codes (M800) or 2,000 user codes (M801).
6. Provide keypad/proximity (M803) and proximity only (M802) products with a maximum of 2,000 user codes and the ability to audit the last 2,000 transactions.
7. In addition to user codes, provide a Master Code as standard. The Master Code assigns emergency, supervisory, and user codes.
8. Provide SoloPlus™ Software (M801, M802, M803), capable of working with Microsoft Windows based operating systems, required to program time zone periods, blocked holidays, automatic unlock with or without first entry, and listing 2,000 event transaction history – unlock, egress activation, entry into programming mode, date, time, user number, and door number.
9. Locking and unlocking of the lever handle shall be done by a motor-driven battery powered unit (solenoids not acceptable) contained completely within the body of the outside trim. Egress from the inside at all times. Provide lever design to match lock levers.
10. Access control exit devices shall have the option to be remotely controlled via hand-held radio frequency (RF) transmitter, allowing lock/unlock capabilities from up to 75 feet away from the exit device.
11. Locks shall have LEDs to indicate status – unlocked and programming mode.
12. Provide twenty-five (25) HID Prox Card II for keypad/proximity (M803) and proximity only (M802) products.
13. Provide cylinder-dogging feature for non-rated exit devices.
14. Provide keyed removable mullions, as specified in the Hardware Groups.
15. Provide clear powder coating at exit devices used in full exterior application, highly corrosive areas, and where noted in the hardware groups.
16. Provide cylinders for exit devices with cylinder override and cylinder dogging.
    - **a.** Cylinders: Refer to 2.04 KEYING, keying requirements.

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Corbin Russwin ASSA ABLOY

Quick Code Index

Access 800 AC2

Controllers - Mortise

Part No./ Quick Code	Description
708F829	ML20800 x M800 (100 User)
712F049	ML20800 x M801 (2000 User)
712F059	ML20800 x M802 (2000 User)
712F059	ML20800 x M803 (2000 User)
712F069	ML20800 x M804 (2000 User)
712F079	ML20800 x M805 (2000 User)
712F079	ML20800 x M806 (2000 User)

Controllers - Dorm

794F199	ML20837 x M802 Dorm room function (2000 User)
794F199	ML20837 x M803 Dorm room function (2000 User)

Controllers - Cylindrical

708F819	CL33800 x M800 (100 User)
712F009	CL33800 x M801 (2000 User)
712F019	CL33800 x M802 (2000 User)
712F019	CL33800 x M803 (2000 User)
712F029	CL33800 x M804 (2000 User)
712F039	CL33800 x M805 (2000 User)
712F039	CL33800 x M806 (2000 User)

Controllers - Exit Devices

708F829	9800/9M800 x M800 (100 User)
712F049	9800/9M800 x M801 (2000 User)
712F059	9800/9M800 x M802 (2000 User)
712F059	9800/9M800 x M803 (2000 User)
712F069	9800/9M800 x M804 (2000 User)
712F079	9800/9M800 x M805 (2000 User)
712F079	9800/9M800 x M806 (2000 User)

Readers - Mortise

Part No./ Quick Code	Description
708F809	ML20800 x M800 (100 User)
708F089	ML20800 x M801 (2000 User)
708F099	ML20800 x M802 (2000 User)
708F089	ML20800 x M803 (2000 User)
708F089	ML20800 x M804 (2000 User)
708F099	ML20800 x M805 (2000 User)
708F089	ML20800 x M806 (2000 User)

Readers - Dorm

708F099	ML20837 x M802 Dorm room function (2000 User)
708F089	ML20837 x M803 Dorm room function (2000 User)

Readers - Cylindrical

708F809	CL33800 x M800 (100 User)
708F089	CL33800 x M801 (2000 User)
708F099	CL33800 x M802 (2000 User)
708F089	CL33800 x M803 (2000 User)
708F089	CL33800 x M804 (2000 User)
708F099	CL33800 x M805 (2000 User)
708F089	CL33800 x M806 (2000 User)

Readers - Exit Devices

708F809	9800/9M800 x M800 (100 User)
708F089	9800/9M800 x M801 (2000 User)
708F099	9800/9M800 x M802 (2000 User)
708F089	9800/9M800 x M803 (2000 User)
708F089	9800/9M800 x M804 (2000 User)
708F099	9800/9M800 x M805 (2000 User)
708F089	9800/9M800 x M806 (2000 User)

Gaskets

794F509	Gaskets Exit device - Reader
794F519	Gaskets Exit device trim
794F529	Gaskets Cylindrical lock
794F539	Gaskets Mortise lock

Data Transfer Device (DTD)

790F109	DTD

Software

790F139	SoloPlus™

Technology Options

M800	100 User, keypad only
M801	2000 User, keypad only
M802	2000 User, proximity only
M803	2000 User, keypad and proximity
M804	2000 User, keypad and RF actuation
M805	2000 User, proximity and RF actuation
M806	2000 User, keypad, proximity and RF actuation
M861	Forced/Propped Door (M801 thru M806)

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Quick Code Index

Access 800 AC2

Hardware

Part No./ Quick Code	Description
784	Optional Power Supply - Gel Cell Battery, ordered with Device
708F979	Conduit
711F989	Power/Remote Unlocking Harness; when ordered separately
712F089	New Enrollment Station
712F119	Forced/Propped Door Harness; when ordered separately
793F029	Ribbon Cable
793F039	784 Remote power supply (includes plug-in wall transformer & 12 feet of shielded wire)
793F049	Plug in wall transformer
793F059	Cable assembly - power supply
793F069	Power/remote unlocking harness
793F089	12 V 1.2 A/Hr. Gel Cell Battery
793F199	Battery, Alkaline (AA) (single battery)
793F309	Power Supply Circuit Board
M35	Power/Remote Unlocking Harness; ordered with device

Credentials

794F319	C/R 26 bit ISO Prox II with logo
794F329	C/R 26 bit ISO Prox II blank
794F359	HID 26 bit ISO Prox II with logo
794F369	HID 26 bit ISO Prox II without logo
794F339	C/R 26 bit ProxCard II with logo
794F349	C/R 26 bit ProxCard II blank
794F379	HID 26 bit ProxCard II with logo
794F389	HID 26 bit ProxCard II without logo
794F399	C/R DuoProx II - Prox and magstripe with logo
794F409	C/R DuoProx II - Prox and magstripe without logo
794F419	HID 26 bit DuoProx II - Prox and magstripe
794F429	C/R MicroProx tag
794F449	HID MicroProx tag with customer site code
794F469	C/R 26 bit ProxKey II
794F479	HID 26 bit ProxKey II
708F999	RF FOB

Keying Options

CKC2	CKC-Cylinders with VCK keys
CKC3	CKC-Cylinders Only
VKC0	VKC-No Stamping
VKC1	VKC-Keys Only
VKC2	VKC-Cylinders & Keys
VKC3	VKC-Cylinders Only

Cylinder Options

Part No./ Quick Code	Description
(standard)	Conventional 6-pin
6P	Conventional 6-pin [Exits Only]
7P	Conventional 7-pin
C	Lockset furnished in Schlage® C Keyway [Cylindrical Only]
C6	IC 6-pin
C7	IC 7-pin
CHS	Security IC
CL6	IC 6-pin Less Core
CLS6	SFIC 6-pin with Less Core (Mortise Locks and Exit Devices only)
CT6SD	SFIC 6-pin with SFIC disposable temporary core (Mortise Locks and Exit Devices Only
CL7	IC 7-pin Less Core
CLS7	SFIC 7-pin with Less Core (Mortise Locks and Exit Devices only)
CT7SD	SFIC 7-pin with SFIC disposable temporary core (Mortise Locks and Exit Devices only)
CLP	Pyramid IC Less Core
CMK	Construction master keyed
CT6B	IC 6-pin with Temporary Construction Core (Blue)
CT6D	IC 6-pin with Temporary Disposable Core
CT6G	IC 6-pin with Temporary Construction Core (Green)
CT6R	IC 6-pin with Temporary Construction Core (Red)
CT7B	IC 7-pin with Temporary Construction Core (Blue)
CT7D	IC 7-pin with Temporary Disposable Core
CT7G	IC 7-pin with Temporary Construction Core (Green)
CT7R	IC 7-pin with Temporary Construction Core (Red)
CTP	Pyramid IC with Temporary Construction Core [Mortise & Exits Only]
CTPD	Pyramid IC with Temporary Disposable Core [Mortise & Exits Only]
CTSD	IC 6-pin Small Format Disposable Core [Cylindrical Only]
HS	Security
KR	Keyed random
LA	Lockset furnished in SARGENT® LA Keyway [Cylindrical Only]
LC	Less Standard Cylinder [Mortise & Cylindrical Only]
PCHS	Pyramid High Security IC
PCS	Pyramid Security IC
PHS	Pyramid High Security Fixed Core
PS	Pyramid Security Fixed Core

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45014-7/18

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Corbin Russwin

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For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

MicroShield™

MicroShield®
As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria. MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

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Corbin Russwin
ASSA ABLOY

IN Series
IN120 WiFi & IN220 PoE

Intelligent IP-Enabled Access Control

Available through Authorized Channel Partners only.
Contact your local ASSA ABLOY Door Security Solutions sales consultant for details.



About ASSA ABLOY's Authorized Channel Partner and Certified Integrator Programs

The Corbin Russwin IN120 and IN220 are part of the expanding ASSA ABLOY family of innovative products combining our proven mechanical locking devices with leading-edge technologies to provide integrated electronic access control solutions. As such, these products require training and certification for resellers and integrators to ensure proper product selection, successful deployment and customer satisfaction.

To aid our customers in this area, ASSA ABLOY has created two programs that provide the necessary training to sell, order, install and service our technology products, including Aperio wireless, Integrated Wiegand, IP-enabled and self-configurable intelligent components:

- The Authorized Channel Partner (ACP) program is open to resellers, who sell ASSA ABLOY's technology products to certified integrators and help with product selection based on the application.

- The Certified Integrator (CI) program provides hands-on training for security systems integrators and network administrators. Not only does this training familiarize certified integrator candidates with product features and applications, it also gives them valuable experience installing, commissioning and troubleshooting the products in a real-world environment.

For more information on the qualifications for becoming an ACP or CI, contact your local ASSA ABLOY Door Security Solutions sales consultant for details.

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Installed by:

Certified Integrator
ASSA ABLOY

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Introduction

IN Series Intelligent IP-Enabled Access Control

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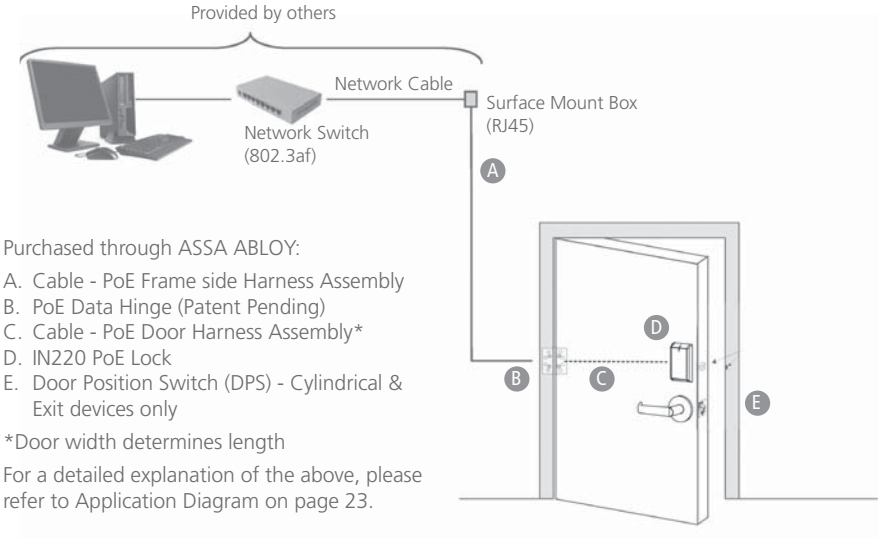
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The Corbin Russwin IN Series of IP-enabled locks pairs a sleek, attractive design with the latest in access control technology to address the evolving needs of today's facilities. Featuring HID® multiCLASS SE® technology, our innovative WiFi and PoE locks make it easy and affordable to expand your access control system by leveraging existing network infrastructure.

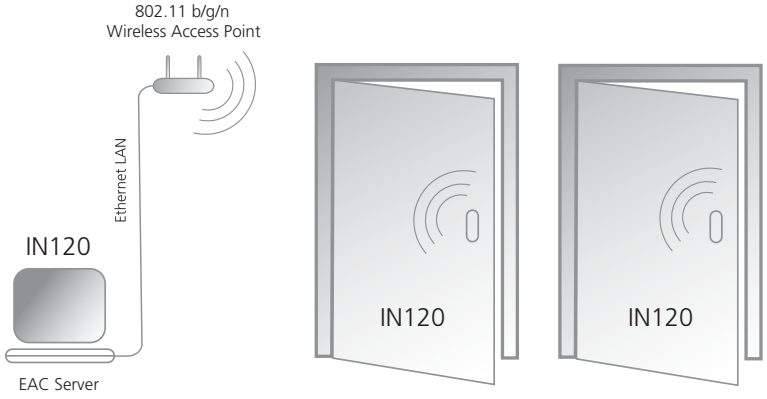


Purchased through ASSA ABLOY:

A. Cable - PoE Frame side Harness Assembly
B. PoE Data Hinge (Patent Pending)
C. Cable - PoE Door Harness Assembly*
D. IN220 PoE Lock
E. Door Position Switch (DPS) - Cylindrical & Exit devices only

*Door width determines length

For a detailed explanation of the above, please refer to Application Diagram on page 23.



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Overview

IN Series Intelligent IP-Enabled Access Control

Features	Benefits	IN120 WiFi Lock	IN220 PoE Lock
Utilizes IEEE 802.3af PoE-enabled network infrastructure for both power and data	• Streamlines the installation process, reducing costs		
	• Eliminates the need for any proprietary equipment		●
	• Enables real-time communication		
Utilizes IEEE 802.11 WiFi infrastructure	• Significantly reduces installation costs		
	• Eliminates the need for any proprietary equipment	●	
	• Ideal for hard-to-wire locations		
Field-upgradable 802.11b/g/n radio	• Interoperability with other WiFi equipment		
	• Future proof for constantly evolving WiFi standards	●	
multiCLASS SE® Technology from HID Global®	• Provides heightened security		
	• Supports: – Field selectable communication frequency – HID Mobile Access® powered by Seos®, for iOS® and Android™ devices	●	●
Field selectable communication frequency	• Allows you to balance security requirements with battery life	●	
Reduced energy consumption and product sustainability measures	• Significantly less power consumption in standby mode than traditional access control		●
	• Leverages existing network infrastructure	●	●
	• Streamlined system architecture provides improved reliability and reduces materials	●	●
Customizable feature set	• Select only the features you need		
	• Easily add features as your requirements grow	●	●
Intelligence built into lock for local decision making*	• Lock operates regardless of network status	●	●*
	• Supports up to 2,400/10,000 users**	●	●
	• Provides a 10,000 event transaction history/audit trail	●	●
Privacy button	• Enables shelter in place/local lockdown		
	• Offers privacy capabilities for applications such as restrooms	●	●
Integrated ANSI/BHMA Grade 1 hardware, available in cylindrical lock, mortise lock, exit device, and multi-point lock configurations	• Flexibility to support various openings		
	• Assurance of high quality Corbin Russwin hardware	●	●
Superior aesthetics	• Blends into any environment seamlessly		
	• Designed to meet the requirements of designers and architects		
	• Available with a wide range of finishes and decorative levers	●	●
	• Suites with other IN Series locks, regardless of technology		

*Requires backup power for IN220
**Contact your access control system manufacturer for more information

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Overview

IN Series Intelligent IP-Enabled Access Control

Credential Support:

The IN Series IP-enabled locks feature HID® multiCLASS SE® technology to support the following credentials:

- 2.4 GHz credentials:
  - Secure Identity Object™ (SIO) on Mobile IDs (Bluetooth Smart)
- 13.56 MHz credentials:
  - iCLASS®
  - iCLASS SE® (SIO-enabled)
  - iCLASS® Seos®
  - SIO on MIFARE® Classic
  - SIO on MIFARE DESFire® EV1
  - MIFARE Classic
  - MIFARE DESFire EV1
  - PIV/PIV-I
  - NFC-enabled mobile phones
- 125 kHz credentials:
  - HID Prox®

Note: If your site is planning to use multi-technology cards, please contact 800-810-WIRE for more information.

Technical Specifications:

IN120

- Compatible with 802.11b/g/n wireless networks

IN220

- Conforms to IEEE 802.3af Class 1 standard, requiring less than 3.84 watts

Security:

- AES 128-bit encryption (IN120, IN220)
- IN120 supports current WiFi network security standards, including:
  - WEP, WPA and WPA2
  - 802.1x
- For specific security information, please contact your local ASSA ABLOY Door Security Solutions sales representative or call 800-810-Wire.

Software:

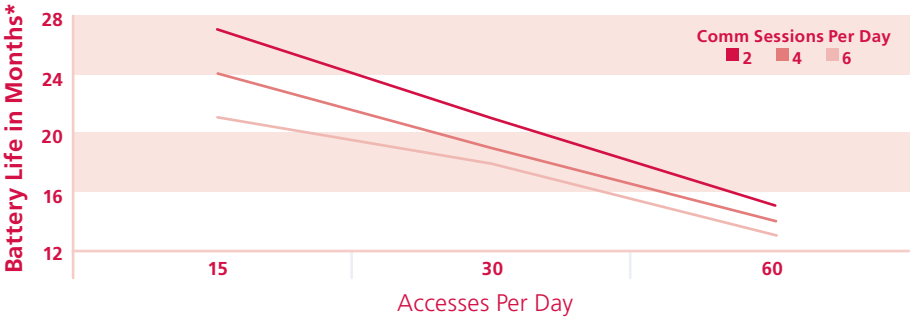
- Works with ASSA ABLOY IP-Enabled
- Access Control Partner software, allowing simple integration into existing or new systems
- Software Development Kits (SDK) and support available to integrate into other third party access control systems.

  For assistance, email:

  OEMSupport_Group@assaabloy.com
- Lock Management Tool available for small installations

EAC Regulatory Compliance:

- UL294 6th Edition (not applicable to FE6600)
- CAN/ULC S319 (not applicable to FE6600)
- BHMA A156.25 (not applicable to FE6600)



*Battery life data was calculated using Duracell batteries.

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Features

ML20100 Mortise Locks



Mortise Lock
ML20100

The IN Series mortise lock has a clean, crisp design and is available with a variety of lever designs and hardware finishes.

Features

Handing
Handed; quick reversibility. The lockset can be re-handed without disassembling the lock body.

Door Thickness
1-3/4" (44mm) standard.
Optional 2" (50mm) to 2-1/4" (57mm); see Quick Code section.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge chrome plated steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x 3/32" (2mm). Accommodates non-beveled and beveled doors 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought brass, bronze or stainless steel attached by machine screws to lockcase front.

Latch
Patented, quick, reversible 2-piece mechanical with anti-friction insert 5/8" (16mm) x 1" (25mm) x 3/4" (19mm). U.S. Patent #6,349,982.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub
Steel, 5/16" (8mm).

Strike
Wrought brass, bronze or stainless steel ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available.

Cylinder
1000-118-A01, 6-pin, L4, keyed random, furnished standard for 1-3/4" (44mm) door.
Optional cylinders available.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
Interchangeable core (IC)
Security
Security IC
Access 3
Access 3 IC
Pyramid
Pyramid IC

Environmental Specifications

Operating Temperature:
-13°F (-25°C) to 151°F (66°C)

Operating humidity:
5% to 95% relative humidity non-condensing

EcoFlex®
EcoFlex technology reduces power consumption up to 96% as certified by GreenCircle

Monitoring

- Request to Exit
- Door Position (external)

Warranty
10-year limited mechanical.
2-year limited electrical.

Shipping Weight
Approx. 11 lbs.

Certification/Compliance

ANSI

Meets A156.13, Grade 1 requirements.
Meets A117.1 Accessibility Code.
Meets A156.25 requirements.

UL /ULC-UL10C Positive Pressure

All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair. Letter F and UL symbol on armored front indicate listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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How to Order

ML20100 IN Series Mortise Locks

Build your order string:

				Required Options			Other Options
Function	**Trim**	**Finish**	**Handing**	**Technology Code**	**Reader Code**	**Reader Modifier**	**Cylinder, Strike, Door Thickness**
ML201_ _	_ _ _	_ _ _	_ _ _	_ _ _ _ _	_ _ _	_ _	_ _ _ _

For finish, additional cylinder, and/or mechanical options, please refer to page 9.

Series/Function	Type	Function Description
ML20133 No Key Override No Deadbolt	Entry	• Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user code entered
ML20134 With Key Override No Deadbolt	Entry	• Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user code entered • Key outside retracts latch • No deadbolt function
ML20135 No Key Override With Deadbolt	Entry	• Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user code entered
ML20136 With Key Override With Deadbolt	Entry	• Deadlocking latch • Latch and deadbolt retracted by inside lever and deadbolt at all times • Outside lever rigid except when in "passage" mode or valid user code entered • Key outside projects or retracts deadbolt and retracts latch

Reader Code	Credentials
IP	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, HID Prox®, NFC-enabled mobile phones
BIP	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, HID Prox®, NFC-enabled mobile phones, Bluetooth Smart-enabled mobile phones
IPS	All credentials supported by the IP option plus MIFARE Classic and MIFARE DESFire® EV1
BIPS	All credentials supported by the IP option plus MIFARE Classic, DESFire EV1 and Bluetooth Smart-enabled mobile phones
CP	FeliCa, HID Prox®, NFC-enabled mobile phones
BCP	FeliCa, HID Prox®, NFC-enabled mobile phones, Bluetooth Smart-enabled mobile phones
IPV	Supports PIV/PIV-I (64-bit BCD, 128-bit BCD or 200-bit outputs)

* IPS allows use of smart cards with user defined encryption and encoding, from HID or other third party suppliers.

Note: If your site is planning to use multi-technology cards, please contact 800-810-WIRE for more information.

Reader Modifier	Description
B	Black reader, black trim
W	White reader, white trim
MB	Black reader, metal trim
MW	White reader, metal trim

Note: Metal trim is supplied in the finish specified in the order string.

Technology Code	Description
IN120	WiFi
IN220	PoE

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How to Order

ML20100 IN Series Mortise Locks

Finishes

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E

Description	Specify
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Black Oxidized Bronze, Oil Rubbed	722

Description	Specify
Satin Stainless Steel	629*
Bright Stainless Steel	630*
Satin Stainless Steel with MicroShield®	630C*
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

*Metal escutcheon trim (MB and MW) plated to match

Roses

The roses shown are some of our most popular styles. To see the complete list of available roses, refer to pages 29-32.



T



X



E2



E3



E4[1]

Levers

The levers shown here are some of our most popular styles from the Muséo Collection. To see the complete range of levers, refer to pages 29-32.



102



103



110



124[2]



125[2]



123[2]

Premium Levers



21M



21S



133



134



136



138

1 Rose design suites with IN220 reader.
2 Lever returns within 1/2" (13 mm) of door face.

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Quick Codes

ML20100 IN Series Mortise Locks

Cylinders and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less Cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with Temporary Construction Core	
Red	CT6R
Blue	CT6B
Green	CT6G
CI 6-pin Less Core	CL6
SFIC 6-pin with Less Core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin	C7
IC 7-pin with Temporary Construction Core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin Less Core	CL7
SFIC 7-pin with Less Core	CLS7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
Security	HS
Security IC	CHS
Access 3® Patented	AP
Access 3® Security	AS
Access 3® High Security	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
Pyramid Fixed Core	PHS
Pyramid IC	PCHS
Pyramid IC Less Core	CLP
Pyramid with Temporary Construction Core	CTP
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
Keyed Random (Standard)	KR
Construction Master Eyed (not available for Pyramid)	CMK
Visual Key Control	
- No Keying Data Stamped on Key or Cylinder	VKC0
- Keys Only	VKC1
- Cylinders and Keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders Only (not for HS, CHS, PHS or PCHS)	VKC3

Cylinders and Keying (Cont.)

Description	Specify
Concealed Key Control (CKC)	
- CKC Cylinders with VKC Keys	CKC2
- CKC Cylinders Only (not for PHS, PCHS)	CKC3
2 Keys per Lock	(standard)
More than 2 Keys	KY# (e.g., KY6)

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Satin Stainless Steel	629*
Bright Stainless Steel	630*
Satin Stainless Steel with MicroShield®	630C*
Black Oxidized Bronze, Oil Rubbed	722
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

*Metal escutcheon trim (MB and MW) plated to match

Miscellaneous Options

Description	Specify
Torx® head screws	M04
ANSI wrought strike box	M17
Knurling outside and inside*	M20
Knurling outside only*	M21
Knurling inside only*	M22
Abrasive coat outside and inside*	M23
Abrasive coat inside only*	M24
Abrasive coat outside only*	M25

*Not available with Vineyard or Museo levers.

Door Thickness

Door Thickness	Specify
1-3/4" (44mm)	(standard)
1-7/8" (48mm)	D178
2" (51mm)	D200
2-1/8" (54mm)	D218
2-1/4" (57mm)	D214

Strikes

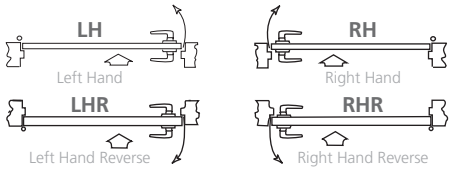
ANSI Lip to Center	ANSI Straight Lip Specify	Curved Lip Specify
7/8" (22mm)	SS078	N/A
1-1/8" (29mm)	(standard)	N/A
1-1/4" (32mm)	SS114	SA114
1-3/8" (35mm)	SS138	SA138
1-1/2" (38mm)	SS112	SA112
1-3/4" (44mm)	SS134	SA134
2" (51mm)	SS200	SA200
2-1/4" (57mm)	SS214	SA214
2-1/2" (64mm)	SS212	SA212
2-3/4" (70mm)	SS234	SA234
3" (76mm)	SS300	SA300
Open Back Strike	Door Thickness	Specify
	1-3/4" (44mm)	SB134
	2" (51mm)	SB200
	2-1/4" (57mm)	SB214
Rabbeted front and strike - Specify		SR118

Thumbturns

Description	Specify
Decorative	MT1
Decorative Square	MT2
Decorative Cylinder	MT2

Handing

Hand	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR



Note: Arrow indicates secure side of door.

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Corbin Russwin ASSA ABLOY

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Features

ML20200 IN Series Mortise Locks



Mortise Lock
ML20200

The IN Series mortise lock has a clean, crisp design and is available with a variety of lever designs and hardware finishes.

Features

Handing
Handed; quick reversibility. The lockset can be re-handed without disassembling the lock body.

Door Thickness
1-3/4" (44mm) standard.
Optional 2" (50mm) to 2-1/4" (57mm); see Quick Code section.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge chrome plated steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x 3/32" (2mm). Accommodates non-beveled and beveled doors 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought brass, bronze or stainless steel attached by machine screws to lockcase front.

Latch
Patented, quick, reversible 2-piece mechanical with anti-friction insert 5/8" (16mm) x 1" (25mm) x 3/4" (19mm). U.S. Patent #6,349,982.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub
Steel, 5/16" (8mm).

Strike
Wrought brass, bronze or stainless steel ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available.

Cylinder
1000-118-A01, 6-pin, L4, keyed random, furnished standard for 1-3/4" (44mm) door.
Optional cylinders available.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
Interchangeable core (IC)
Security
Security IC
Access 3
Access 3 IC
Pyramid
Pyramid IC

Environmental Specifications

Operating Temperature:
-13°F (-25°C) to 151°F (66°C)

Operating humidity:
5% to 95% relative humidity non-condensing

EcoFlex®
EcoFlex technology reduces power consumption up to 96% as certified by GreenCircle

Monitoring
- Request to Exit
- Deadbolt
- Auxiliary latch
- Latch bolt
- DPS integrated into lock body

Warranty
10-year limited mechanical.
2-year limited electrical.

Shipping Weight
Approx. 11 lbs.

Certification/Compliance

ANSI

Meets A156.13, Operational Grade 1 and Security Grade 1 requirements.
Meets A117.1 Accessibility Code.
Meets A156.25 requirements.

UL /ULC-UL10C Positive Pressure

All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair. Letter F and UL symbol on armored front indicate listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

The IN120/IN220 ML20200 mortise lock with deadbolt is required for escape return functionality (a residential requirement in Canada). No other IN120/IN220 locks will support this requirement.

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How to Order

ML20200 IN Series Mortise Locks

Build your order string:

				Required Options			Other Options
Function	**Trim**	**Finish**	**Handing**	**Technology Code**	**Reader Code**	**Reader Modifier**	**Cylinder, Strike, Door Thickness**
ML202_ _	_ _ _	_ _ _	_ _ _	_ _ _ _ _	_ _ _	_ _	_ _ _ _

For finish, additional cylinder, and/or mechanical options, please refer to page 13.

Series/Function	Type	Function Description
ML20233 No Key Override No Deadbolt	Entry	• Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user code entered
ML20234 With Key Override No Deadbolt	Entry	• Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user code entered • Key outside retracts latch • No deadbolt function
ML20235 No Key Override With Deadbolt[1]	Entry	• Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user code entered
ML20236 With Key Override With Deadbolt[1]	Entry	• Deadlocking latch • Latch and deadbolt retracted by inside lever and deadbolt at all times • Outside lever rigid except when in "passage" mode or valid user code entered • Key outside projects or retracts deadbolt and retracts latch

1 Deadbolt required for escape return functionality (a residential requirement in Canada)

Reader Code	Credentials
IP	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, HID Prox®, NFC-enabled mobile phones
BIP	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, HID Prox®, NFC-enabled mobile phones, Bluetooth Smart-enabled mobile phones
IPS	All credentials supported by the IP option plus MIFARE Classic and MIFARE DESFire EV1
BIPS	All credentials supported by the IP option plus MIFARE Classic, MIFARE DESFire EV1 and Bluetooth Smart-enabled mobile phones
CP	FeliCa, HID Prox®, NFC-enabled mobile phones
BCP	FeliCa, HID Prox®, NFC-enabled mobile phones, Bluetooth Smart-enabled mobile phones
IPV	Supports PIV/PIV-I (64-bit BCD, 128-bit BCD or 200-bit outputs)

* IPS allows use of smart cards with user defined encryption and encoding, from HID or other third party suppliers.

Note: If your site is planning to use multi-technology cards, please contact 800-810-WIRE for more information.

Reader Modifier	Description
B	Black reader, black trim
W	White reader, white trim
MB	Black reader, metal trim
MW	White reader, metal trim

Note: Metal trim is supplied in the finish specified in the order string.

Technology Code	Description
IN120	WiFi
IN220	PoE

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How to Order

ML20200 IN Series Mortise Locks

Finishes

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E

Description	Specify
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Black Oxidized Bronze, Oil Rubbed	722

Description	Specify
Satin Stainless Steel	629*
Bright Stainless Steel	630*
Satin Stainless Steel with MicroShield®	630C*
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

*Metal escutcheon trim (MB and MW) plated to match

Roses

The roses shown are some of our most popular styles. To see the complete list of available roses, refer to pages 29-32.


T


X


E2


E3


E4[1]

Levers

The levers shown here are some of our most popular styles from the Muséo Collection. To see the complete range of levers, refer to pages 29-32.


102


103


110


124[2]


125[2]


123[2]

Premium Levers


21M


21S


133


134


136


138

1 Rose design suites with IN220 reader.
2 Lever returns within 1/2" (13 mm) of door face.

ASSA ABLOY, the global leader in door opening solutions

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Quick Codes

ML20200 IN Series Mortise Locks

Cylinders and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less Cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with Temporary Construction Core	
Red	CT6R
Blue	CT6B
Green	CT6G
CI 6-pin Less Core	CL6
SFIC 6-pin with Less Core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin	C7
IC 7-pin with Temporary Construction Core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin Less Core	CL7
SFIC 7-pin with Less Core	CLS7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
Security	HS
Security IC	CHS
Access 3® Patented	AP
Access 3® Security	AS
Access 3® High Security	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
Pyramid Fixed Core	PHS
Pyramid IC	PCHS
Pyramid IC Less Core	CLP
Pyramid with Temporary Construction Core	CTP
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
Keyed Random (Standard)	KR
Construction Master Eyed (not available for Pyramid)	CMK
Visual Key Control	
- No Keying Data Stamped on Key or Cylinder	VKC0
- Keys Only	VKC1
- Cylinders and Keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders Only (not for HS, CHS, PHS or PCHS)	VKC3

Cylinders and Keying (Cont.)

Description	Specify
Concealed Key Control (CKC)	
- CKC Cylinders with VKC Keys	CKC2
- CKC Cylinders Only (not for PHS, PCHS)	CKC3
2 Keys per Lock	(standard)
More than 2 Keys	KY# (e.g., KY6)

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Satin Stainless Steel	629*
Bright Stainless Steel	630*
Satin Stainless Steel with MicroShield®	630C*
Black Oxidized Bronze, Oil Rubbed	722
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

*Metal escutcheon trim (MB and MW) plated to match

Miscellaneous Options

Description	Specify
Torx® head screws	M04
ANSI wrought strike box	M17
Knurling outside and inside*	M20
Knurling outside only*	M21
Knurling inside only*	M22
Abrasive coat outside and inside*	M23
Abrasive coat inside only*	M24
Abrasive coat outside only*	M25

*Not available with Vineyard or Museo levers.

Door Thickness

Door Thickness	Specify
1-3/4" (44mm)	(standard)
1-7/8" (48mm)	D178
2" (51mm)	D200
2-1/8" (54mm)	D218
2-1/4" (57mm)	D214

Strikes

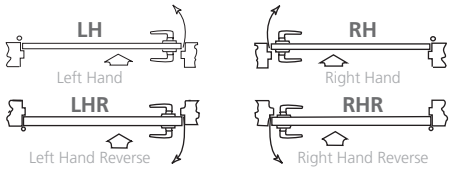
ANSI Lip to Center	ANSI Straight Lip Specify	Curved Lip Specify
7/8" (22mm)	SS078	N/A
1-1/8" (29mm)	(standard)	N/A
1-1/4" (32mm)	SS114	SA114
1-3/8" (35mm)	SS138	SA138
1-1/2" (38mm)	SS112	SA112
1-3/4" (44mm)	SS134	SA134
2" (51mm)	SS200	SA200
2-1/4" (57mm)	SS214	SA214
2-1/2" (64mm)	SS212	SA212
2-3/4" (70mm)	SS234	SA234
3" (76mm)	SS300	SA300
Open Back Strike	Door Thickness	Specify
	1-3/4" (44mm)	SB134
	2" (51mm)	SB200
	2-1/4" (57mm)	SB214
Rabbeted front and strike - Specify		SR118

Thumbturns

Description	Specify
Decorative	MT1
Decorative Square	MT2
Decorative Cylinder	MT2

Handing

Hand	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR



Note: Arrow indicates secure side of door.

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Features

CL33100 IN Series Cylindrical Lock



Cylindrical Lock
CL33100

The IN Series CL33100 design provides uniformity when used with other Corbin Russwin CL3300 locks at a facility. The product features four different lever designs, seven hardware finishes and cylinder override.

Features

Non-handed

Door Thickness
1-3/4" (44mm) to 2" (50mm) standard,
2" (50mm) to 2-1/4" (57mm) optional

Lock Chassis
Steel, zinc dichromated for corrosion resistance.

Backset
2-3/4" (70mm) standard.
Optional: 3-3/4" (95mm) and 5" (127mm).

Latchbolt
Stainless steel, 1/2" (13mm) throw.
Optional: 3/4" (19mm) throw deadlocking fire latch for pair of doors.

Auxiliary Latchbolt
Deadlocking latchbolt prevents manipulation when door is closed.

Front
Wrought brass or stainless steel,
2-1/4" (57mm) x 1-1/8" (29mm).
Accommodates non-beveled and beveled doors 1/8" (3mm) in 2" (51mm).
Optional: rounded corners.

Strike
Wrought brass or stainless steel ANSI curved lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
Interchangeable core (IC)
Security
Security IC
Access 3
Access 3 IC
Pyramid
Pyramid IC

Environmental Specifications
- Operating temperature:
  -13°F (-25°C) to 151°F (66°C)
- Operating humidity: 5% to 95% relative humidity non-condensing

Keys
Two nickel silver standard.

Key Override
Standard not available with non-key override.

Monitoring
- Request to Exit (Non-Handed)
- Door Position Switch (Supplied and mounted above the lock. Connects directly into the lock's electronics.)

Warranty
7-year limited mechanical;
2-year limited electrical.

Shipping Weight
Approx. 11 lbs.

Certification/Compliance

ANSI/BHMA
Meets A156.2 Grade 1 requirements.

Federal
Meets FF-H-106C.

California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face.

C-UL US
All locks with 1/2" (13mm) throw latchbolt listed for A label and lesser class 4' x 10' single doors. All locks with 3/4" (19mm) throw latchbolt listed for A label and lesser class 8' x 10' pairs of doors. Letter F and UL symbol on latch front indicate listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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How to Order

CL33100 IN Series Cylindrical Lock

Build your order string:

				Required Options			Other Options
Function	Trim	Finish	Handing	Technology Code	Reader Code	Reader Modifier	Cylinder, Strike, Door Thickness
CL33134	___	___	___	_____	__	__	—

For finish, additional cylinder, and/or mechanical options, please refer to page 16.

Series/Function	Type	Function Description
CL33134 With Key Override	Entry	• Latch retracted by inside lever at all times. • Key outside retracts latch. • Outside lever locked (freewheeling) except when in "passage" mode or valid user code entered.

Quick Codes

Reader Code	Credentials
IP	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, HID Prox®, NFC-enabled mobile phones
BIP	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, HID Prox®, NFC-enabled mobile phones, Bluetooth Smart-enabled mobile phones
IPS	All credentials supported by the IP option plus MIFARE Classic and MIFARE DESFire EV1
BIPS	All credentials supported by the IP option plus MIFARE Classic, MIFARE DESFire EV1 and Bluetooth Smart-enabled mobile phones
CP	FeliCa, HID Prox®, NFC-enabled mobile phones
BCP	FeliCa, HID Prox®, NFC-enabled mobile phones, Bluetooth Smart-enabled mobile phones
IPV	Supports PIV/PIV-I (64-bit BCD, 128-bit BCD or 200-bit outputs)

* IPS allows use of smart cards with user defined encryption and encoding, from HID or other third party suppliers.
Note: If your site is planning to use multi-technology cards, please contact 800-810-WIRE for more information.

Reader Modifier	Description
B	Black reader, black trim
W	White reader, white trim
MB	Black reader, metal trim
MW	White reader, metal trim

Note: Metal trim is supplied in the finish specified in the order string.

Technology Code	Description
IN120	WiFi
IN220	PoE

Available Trim Options

Standard

Lever	D Rose
Armstrong	AZD
Newport	NZD
Princeton	PZD



Armstrong



Newport*



Princeton*

Vineyard™

	D Rose
Frascati	FZD



Frascati

*Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

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Quick Codes

CL33100 IN Series Cylindrical Lock

Cylinders and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less Cylinder(s)	LC
Security	HS
Security IC	CHS
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid with Temporary Construction Core	CTP
Pyramid Less Core	CLP
IC 6-pin	C6
IC 6-pin with Temporary Construction Core	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 6-pin Less Core	CL6
IC 7-pin	C7
IC 7-pin with Temporary Construction Core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin Less Core	CL7
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
SFIC 6- or 7-pin Small Format Disposable Core	CTSD
0-Bitted with 2 Blank Keys	(standard)
Keyed Random	KR
Construction Master Keyed	CMK
Visual Key Control (VKC)	
- No Bitting or Keyset Stamping on Keys	VKC0
- Keys Only	VKC1
- Cylinders and Keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders Only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed Key Control (CKC)	
- CKC Cylinders with VKC Keys	CKC2
- CKC Cylinders Only (not for PHS, PCHS)	CKC3
2 Keys per Lock	(standard)
More than 2 Keys	KY# (e.g., KY6)
Schlage® C Keyway cylinder[1]	C
Schlage® LA Keyway cylinder[2]	LA

1 Available 0-bitted & keyed random (KR) only
2 Available 0-bitted only

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Black Oxidized Bronze, Oil Rubbed	722
Satin Chrome with MicroShield®	626C
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

Strikes

Lip to Center	ANSI Curved Lip Specify	Curved Lip Box Specify
1" (25mm)	SA100	SC100
1-1/8" (29mm)	SA118	SC118
1-1/4" (32mm)	(standard)	SC114
1-3/8" (35mm)	SA138	SC138
1-1/2" (38mm)	SA112	SC112
1-3/4" (44mm)	SA134	SC134
2" (51mm)	SA200	SC200
2-1/4" (57mm)	SA214	SC214
2-1/2" (64mm)	SA212	SC212
2-3/4" (70mm)	SA234	SC234
3" (76mm)	SA300	SC300
Rabbeted front and strike		Specify SR118

Door Thickness

Description	Specify
1-3/4" (44mm) - 2" (51mm)	(standard)
2" (51mm) - 2-1/4" (57mm)	D214

Backset

Description	Specify
2-3/4" (70mm)	(standard)
3-3/4" (95mm)	B334
5" (127mm)	B500

Miscellaneous Options

Description	Specify
Torx® head screws	M04
Less cylinder, with tailpiece for Schlage® cylinder	M06
Lever to accept Best® type core (NZD & PZD designs only)	M08
Lever to accept Sargent® cylinder (NZD & PZD design only)	M09
Rounded corners on latch front	M13
3/4" (19mm) throw fire latch	M16
ANSI wrought strike box	M17
Knurling outside and inside	M20
Knurling outside only	M21
Knurling inside only	M22
Abrasive coat outside and inside	M23
Abrasive coat inside only	M24
Abrasive coat outside only	M25
Lever to accept Schlage® interchangeable core (NZD & PZD design only)	M69

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Features

ED5000N IN Series Exit Devices





ED5000 Exit Device
With 9100 Series Trim

Features

Handing
Device is handed but easily field reversible. Lever trim is handed.

Bar Length
Easily field cut to size.
Standard: 36" (914mm) bar fits 30"- 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36"-48" (914mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 4-1/2" (114mm).

Latchbolt
Top: 3/4" (19mm) throw, stainless steel pullman-type with automatic deadlatching.
Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swin

EcoFlex®
EcoFlex technology reduces power consumption up to 95% as certified by GreenCircle

Monitoring
Request to Exit (Non-Handed)
Door Position Switch (Supplied and mounted above the lock. Connects directly into the lock's electronics.)

Materials
Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection
3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging
Standard on panic devices; single-point 1/4 turn hex key dogging. Optional: less dogging, specify M51. Optional: cylinder dogging, specify M52. Mechanical dogging not available on fire-rated devices.

Fasteners
Standard on panic devices: machine screws and wood door fasteners.
Standard on fire-rated devices: sex nuts and bolts.
Optional on panic devices: sex nuts and bolts for use on wood, composite, or unreinforced metal doors; specify M54.
Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64.

Strike
Optional strikes available; see Options and Accessories, page 20.

Cylinders
Cylinder not included unless specified. See Quick Codes, page 20.

Shim Kit
Optional for mounting device over raised vision light molding; specify M58.

Warranty
Five-year limited.

Certification/Compliance

ANSI
Meets A156.3, Type 2, Grade 1.
UL /cUL
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 8′ x 8′ double doors; UL symbol on active case cover indicates listing.

Any retrofit or other field modification to a fire- rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA
All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows. ADA Lever trims and pulls comply with Americans with Disabilities Act.

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How to Order

ED5000N IN Series Exit Devices

Build your order string:

				Required Options			Other Options
Series	Lever/ Function	Finish	Handing	Technology Code	Reader Code	Reader Modifier	Cylinder, Strike, Door Thickness, Door Width
ED5_ _ _ _ _ _	_ _ _ _ _	_ _ _	_ _ _	_ _ _ _ _	_ _ _	_ _	_ _ _ _

For finish, additional cylinder, and/or mechanical options, please refer to page 20.

Series/Function	Type	Function Description
ED5200(A)N & ED5200S(A)N x 9133	Rim Exit Device No Key Override	• Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when in passage mode or valid user code entered
ED5200(A)N & ED5200S(A)N x 9134	Rim Exit Device With Key Override	• Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when in passage mode or valid user code entered • Outside cylinder override allows lever to retract latch
ED5633(A)LN x 9M133	Mortise Exit Device No Key Override	• Latch retracted by inside push pad at all times • Outside lever rigid except when in passage mode or valid user code entered
ED5634(A)LN x 9M134	Mortise Exit Device With Key Override	• Latch retracted by inside push pad at all times • Outside lever rigid except when in passage mode or valid user code entered • Outside cylinder override retracts latch

Reader Code	Credentials
IP	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, HID Prox®, NFC-enabled mobile phones
BIP	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, HID Prox®, NFC-enabled mobile phones, Bluetooth Smart-enabled mobile phones
IPS	All credentials supported by the IP option plus MIFARE Classic and MIFARE DESFire EV1
BIPS	All credentials supported by the IP option plus MIFARE Classic, MIFARE DESFire EV1 and Bluetooth Smart-enabled mobile phones
CP	FeliCa, HID Prox®, NFC-enabled mobile phones
BCP	FeliCa, HID Prox®, NFC-enabled mobile phones, Bluetooth Smart-enabled mobile phones
IPV	Supports PIV/PIV-I (64-bit BCD, 128-bit BCD or 200-bit outputs)

* IPS allows use of smart cards with user defined encryption and encoding, from HID or other third party suppliers.

Note: If your site is planning to use multi-technology cards, please contact 800-810-WIRE for more information.

Reader Modifier	Description
B	Black reader, black trim
W	White reader, white trim
MB	Black reader, metal trim
MW	White reader, metal trim

Note: Metal trim is supplied in the finish specified in the order string.

Technology Code	Description
IN120	WiFi
IN220	PoE

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How to Order

ED5000N IN Series Exit Devices

Finishes

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E

Description	Specify
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Black Oxidized Bronze, Oil Rubbed	722

Description	Specify
Satin Stainless Steel	629*
Bright Stainless Steel	630*
Satin Stainless Steel with MicroShield®	630C*
Black Suede Powder	BSP
White Suede Powder	WSP

*Metal escutcheon trim (MB and MW) plated to match

Levers

The levers shown here are some of our most popular styles from the Muséo Collection. To see the complete range of levers, refer to pages 29-32.



102



103



110



124[1]



125[1]



123[1]

Premium Levers



21M



21S



133



134



136



138

1. Lever returns within 1/2" (13 mm) of door face.

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Quick Codes

ED5000N IN Series Exit Devices

Cylinders and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less Cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with Temporary Construction Core	
Red	CT6R
Blue	CT6B
Green	CT6G
CI 6-pin Less Core	CL6
SFIC 6-pin with Less Core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin	C7
IC 7-pin with Temporary Construction Core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin Less Core	CL7
SFIC 7-pin with Less Core	CLS7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
Security	HS
Security IC	CHS
Access 3® Patented	AP
Access 3® Security	AS
Access 3® High Security	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
Pyramid Fixed Core	PHS
Pyramid IC	PCHS
Pyramid IC Less Core	CLP
Pyramid with Temporary Construction Core	CTP
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
Keyed Random (Standard)	KR
Construction Master Eyed (not available for Pyramid)	CMK
Visual Key Control	
- No Keying Data Stamped on Key or Cylinder	VKC0
- Keys Only	VKC1
- Cylinders and Keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders Only (not for HS, CHS, PHS or PCHS)	VKC3

Cylinders and Keying (Cont.)

Description	Specify
Concealed Key Control (CKC)	
- CKC Cylinders with VKC Keys	CKC2
- CKC Cylinders Only (not for PHS, PCHS)	CKC3
2 Keys per Cylinder	(standard)
More than 2 Keys	KY# (e.g., KY6)

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Stainless Steel	629*
Bright Stainless Steel	630*
Satin Stainless Steel with MicroShield®	630C*
Black Oxidized Bronze, Oil Rubbed	722
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

*Metal escutcheon trim (MB and MW) plated to match

Strikes

Description	Specify
Rim strike S02	S02
Mortise ANSI strike for pairs of doors with astragal	SS078
Open back strike for 1-3/4" doors	SB134
Open back strike for 2-1/4" doors	SB214

Door Thickness

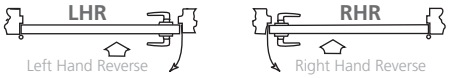
Door Thickness	Specify
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

Door Width

Door Width	Specify
24" (610mm)	W024
36" (914mm)	(standard)
48" (1219mm)	W048

Handing

Hand	Specify
Right Hand Reverse	RHR
Left Hand Reverse	LHR



Note: Arrow indicates secure side of door.

Miscellaneous Options

Description	Specify
Torx® head screws	M04
Windstorm	M107
ANSI wrought strike box	M17
Knurling outside and inside*	M20
Knurling outside only*	M21
Knurling inside only*	M22
Abrasive coat outside and inside*	M23
Abrasive coat inside only*	M24
Abrasive coat outside only*	M25
Less dogging	M51
Cylinder dogging	M52
Sex nuts and bolts (SNBs)	M54
Shim kit (for vision light)	M58
Wood screws for use on fire-rated solid wood or wood core doors	M64

*Not available with Vineyard or Museo levers.

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Features

FE6600 IN Series Multi-Point Locks



Features

Handing
Handed; quick reversibility. The lockset can be re-handed without disassembling the lock body.

Door Thickness
1-3/4" thick door only; fully integrated – FM7300 is part of a complete ASSA ABLOY windstorm solution utilizing CECO StormPro® 361 and CURRIES StormPro® 361 doors and frames and McKinney® StormPro® hinges

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge chrome plated steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x 3/32" (2mm). Accommodates non-beveled and beveled doors 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought brass, bronze or stainless steel attached by machine screws to lockcase front.

Top Bolt
Adjustable stainless steel 3/4" square bolt with 11/16" engagement; 5/16" steel reinforcement plate

Installation
Concealed vertical assembly (rods, latches and cassette) pre-installed in door

Bottom Bolt
Adjustable stainless steel 3/4" square bolt with 5/8" engagement; 1/4" steel reinforcement plate

Center Bolts
Latchbolt is stainless steel with 3/4" projection. One piece, anti-friction reversible catch. Deadbolt is one piece hardened stainless steel with 1" projection

Lock Front
1/8" steel mortise front reinforced with 13/64" thick lock edge stiffener

Center Bolt Strike
1/4" thick stainless steel

Backset
2-3/4" standard

Door Thickness
1-3/4" standard

Door Height
7'0" - 8'0"

Maximum Opening
Single door 4'0" x 8'0" and double doors 8'0" x 8'0"

Strike
Wrought brass, bronze or stainless steel ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center.

Environmental Specifications

Operating Temperature:
-13°F (-25°C) to 151°F (66°C)

Operating humidity:
5% to 95% relative humidity non-condensing

Monitoring

- Deadbolt
- Latch bolt
- DPS integrated into lock body

Warranty
7-year limited mechanical.
2-year limited electrical.

Shipping Weight
Approx. 11 lbs.

Certification/Compliance

ANSI

Meets A156.37, Operational Grade 1 and Security Grade 1 requirements.
Meets A117.1 Accessibility Code.
Meets A156.25 requirements.

UL /ULC-UL10C Positive Pressure

All locks listed for A label and lesser class doors, 4' (122cm) x 8' (305cm) single or 8' (244cm) x 8' (305cm) pair. Letter F and UL symbol on armored front indicate listing.

Windstorm Certification

Windstorm certification information is listed in the Corbin Russwin FE6600 Series catalog.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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How to Order

FE6600 IN Series Multi-Point Locks

Build your order string:

				Required Options			Other Options
Function	Trim	Finish	Handing	Technology Code	Reader Code	Reader Modifier	
FE66135	_ _ _	_ _ _	_ _ _	I N _ _ _	_ _ _ _	_ _	_ _ _ _

For finish, additional cylinder, and/or mechanical options, please refer to page 13.

Series/Function	Type	Function Description
FE66135 No Key Override With Deadbolt[1]	Entry	• Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user code entered
FE66136 Key Override With Deadbolt	Entry With Deadbolt	• Key outside retracts deadbolt. Key outside also retracts latch and unlocks outside when trim is locked electronically • Top and bottom rods retracted by lever • Deadbolt projected and retracted by thumbturn or key

Reader Code	Credentials
IP	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, HID Prox®, NFC-enabled mobile phones
BIP	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, HID Prox®, NFC-enabled mobile phones, Bluetooth Smart-enabled mobile phones
IPS	All credentials supported by the IP option plus MIFARE Classic and MIFARE DESFire EV1
BIPS	All credentials supported by the IP option plus MIFARE Classic, DESFire EV1 and Bluetooth Smart-enabled mobile phones
CP	FeliCa, HID Prox®, NFC-enabled mobile phones
BCP	FeliCa, HID Prox®, NFC-enabled mobile phones, Bluetooth Smart-enabled mobile phones
IPV	Supports PIV/PIV-I (64-bit BCD, 128-bit BCD or 200-bit outputs)

* IPS allows use of smart cards with user defined encryption and encoding, from HID or other third party suppliers.

Note: If your site is planning to use multi-technology cards, please contact 800-810-WIRE for more information.

Reader Modifier	Description
B	Black reader, black trim
W	White reader, white trim
MB	Black reader, metal trim
MW	White reader, metal trim

Note: Metal trim is supplied in the finish specified in the order string.

Technology Code	Description
IN120	WiFi
IN220	PoE

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How to Order

FE6600 IN Series Multi-Point Locks

Finishes

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E

Description	Specify
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Black Oxidized Bronze, Oil Rubbed	722

Description	Specify
Satin Stainless Steel	629*
Bright Stainless Steel	630*
Satin Stainless Steel with MicroShield®	630C*
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

*Metal escutcheon trim (MB and MW) plated to match

Roses

The roses shown are some of our most popular styles. To see the complete list of available roses, refer to pages 29-32.


T


X


E2


E3


E4[1]

Levers

The levers shown here are some of our most popular styles from the Muséo Collection. To see the complete range of levers, refer to pages 29-32.


102


103


110


124[2]


125[2]


123[2]

Premium Levers


21M


21S


133


134


136


138

1 Rose design suites with IN220 reader.
2 Lever returns within 1/2" (13 mm) of door face.

45450-2/19

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Quick Codes

FE6600 IN Series Multi-Point Locks

Miscellaneous Options

Description	Specify
Torx® head screws	M04
ANSI wrought strike box	M17
Knurling outside and inside*	M20
Knurling outside only*	M21
Knurling inside only*	M22
Abrasive coat outside and inside*	M23
Abrasive coat inside only*	M24
Abrasive coat outside only*	M25

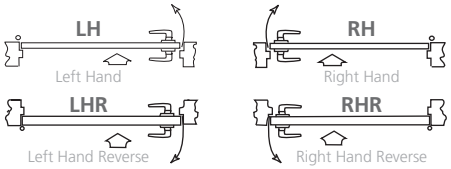
*Not available with Vineyard or Museo levers.

Thumbturns

Description	Specify
Decorative	MT1
Decorative Square	MT2
Decorative Cylinder	MT2

Handing

Hand	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR



Note: Arrow indicates secure side of door.

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Options & Accessories

IN Series Intelligent IP-Enabled Access Control

WFCD1 Lock Configuration CD Tool Kit*

- Required to configure network settings of IN120 and IN220







Contains:

- Serial adapter cable (to order, specify 712F879)
- USB cable (P/N 783F909)
- Quick start guide
- iCLASS® Reader Configuration Cards Pack (WF001)

*Lock Configuration Software is required to set up IN220 locks and is available for download at IntelligentOpenings.com (ACP/CI login required)

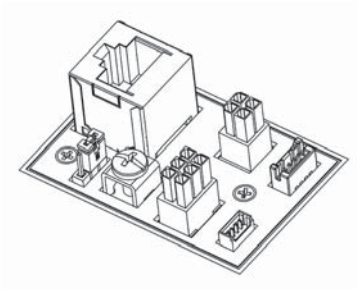
Cover Plate Kits

Description	Part Number
IN220 mortise lock, ML20133 (no key override, no deadbolt)	784F137 32D
IN220 mortise lock, ML20134 (key override, no deadbolt)	784F147 32D
IN220 mortise lock, ML20135 (no key override, with deadbolt)	784F157 32D
IN220 mortise lock, ML20136 (key override, with deadbolt)	784F167 32D
IN220 cylindrical lock, CL33134 (with key override)	784F177 32D

DHTA

Power over Ethernet (PoE) Cable and Data Hinge Test Adapter

Developed for troubleshooting Corbin Russwin Access 700 PIP1 , Access 800 IP1, and IN220 locks, the ASSA ABLOY PoE cable and data hinge test adapter verifies your PoE installation in the field. Sold as a kit containing two test adapters, it allows you to verify proper wiring from the door frame to the PoE data hinge and lock, or test the frame, hinge or door cables independently.



This test tool helps answer the question "Is the problem in the lock or in the wiring to the lock?" and will save you troubleshooting time.

The DHTA works in conjunction with the following products or their equivalent, provided by others:

· BK Precision model 231A
· FLUKE DTX 1800 CableAnalyzer™
· Two (2) Category 5e patch cables, each (10) feet in length

Hard Power Option (M35)

The Hard Power option (Quick Code M35) is recommended for high traffic doors or openings that require online behavior. Hard powering an IN120 allows the lock to operate in an always connected mode. The IN120 allows hard powering via an input of 12 to 24V DC and draws 200mA at 12V DC in always connected mode. Corbin Russwin offers a range of power supplies suitable for this application.

Operation

Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. All modular power supplies are designed to meet UL 1481 Standards.

Features

- Fire panel emergency release input
- PC Board mounted system LED indicator
- Regulated and filtered with input and output protection
- Battery charging is provided from a separate output terminal

Electrical Specifications

- Inputs: 115VAC @600mA
- Outputs: 12/24 VDC @ 1 Amp, 1.5 Amp or 4 Amp, Filtered and regulated output

Listings

- UL & cUL listed 1012 General Purpose Power Supply
- Fire & Burglar Alarm Power Supply Unit URT2
- Releasing device Accessory SYSW
- Access Control Systems Units ALVY
- Burglar Alarm Systems Power Supply APHY

Model	Description
BPS-24-1	Power supply 1.0 amp @ 24 VDC output
BPS-24-2	Power supply 2 amp @ 24 VDC output
BPS-24-4	Power supply 4 amp @ 24 VDC output
BPS-12-1	Power supply 1 amp @ 12 VDC output
BPS-12-3	Power supply 3 amp @ 12 VDC output

ElectroLynx® hinges and harnesses required for hard-powered IN120 applications are available through McKinney.

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Options & Accessories

IN Series Intelligent IP-Enabled Access Control

IN220 PoE Accessories

The following are required system components ordered through McKinney, in addition to the lock.
Please note that one electrified hinge, one door harness assembly and one frame harness assembly are required for each PoE opening.

McKinney ElectroLynx® PoE Hinges*

Description
4 ½ x 4 ½ TA2714 26D PoE (Standard Weight 5 knuckle)
4 ½ x 4 ½ T4A3786 26D PoE (Heavy Weight 5 knuckle)
The PoE door & frame harnesses can accommodate a variety of new (with raceway) and retrofit applications.



** U.S. Patent No. 7,824,200*

McKinney ElectroLynx® PoE Door Harnesses

Door Width	Cable Length	Wood Door	Hollow Metal Door
28" to 31"	36"	PoE-C300RJ	PoE-C300PRJ
32" to 36"	42"	PoE-C306RJ	PoE-C306PRJ
37" to 42"	48"	PoE-C400RJ	PoE-C400PRJ
43" to 48"	54"	PoE-C406RJ	PoE-C406PRJ

All are Cat5e, 26 AWG, Shielded, Stranded, 100 Ohm

McKinney ElectroLynx® PoE Frame Harness

Cable Length	Harness Description
180"	PoE-C1500P
Cat5e, 24 AWG, Shielded, Stranded, 100 Ohm	

*See the McKinney catalog for additional finishes and hinge types
Note: One electrified hinge, door harness and frame harness are required for each PoE opening.

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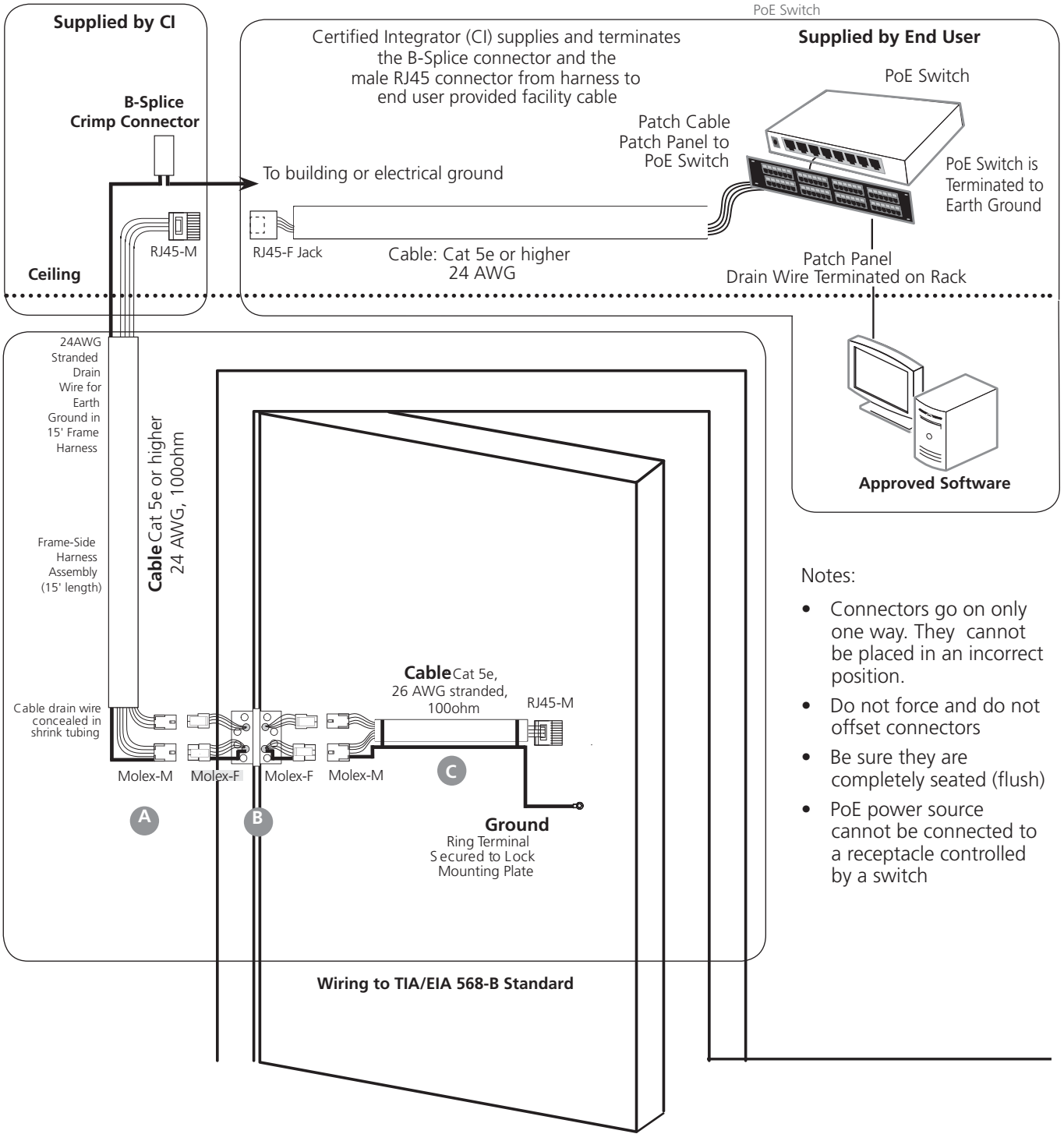
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Application Diagram

IN220

Note:
IN220 must be installed by a Certified Integrator (CI)



Notes:

- Connectors go on only one way. They cannot be placed in an incorrect position.
- Do not force and do not offset connectors
- Be sure they are completely seated (flush)
- PoE power source cannot be connected to a receptacle controlled by a switch

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Lock Management Tool

IN Series Intelligent IP-Enabled Access Control

Lock Management Tool

Lock Management Tool™ (LMT) allows programming, interrogation and overall management of ASSA ABLOY PoE locks from a centralized location for up to 50 doors. The application facilitates communication from a computer to the locks via IEEE 8802.3af PoE infrastructure. The LMT program allows an administrator to establish multiple user types, time zones, holidays, user groups, auto-unlock periods and to obtain transaction history from all locks connected to the system. LMT consists of a server based installation (a small workstation will be sufficient) with most of the daily administration and configuration being done through a web browser. A local client on the server can be used for more complex configuration tasks.

Features:

- Password protected database
- User database size based on local hardware configuration
- Allows for creation of user groups
- Easy to follow data entry
- Real-time clock with date and time
- Sixteen different time zones
- Holiday support
- Auto-unlock schedule with or without "first in" unlock
- Allows viewing of system wide events and history (total number of events based on local hardware configuration) – includes event type, date, time, user ID and name
- Configurable for all major HID® Prox 125 kHz or iCLASS® 13.56 MHz card formats
- Scheduler utility to establish lock communication at pre-defined intervals
- User manual included
- Browser-based user interface
- Simple drag-and-drop configurations
- Basic alarm monitoring

Requirements

Hardware

- Memory: 2 GB minimum, 4 GB+ recommended
- Storage: 20 GB free hard disk space
- Processor: Dual Core/(min Pentium IV w/HT) @ 2GHz (or equivalent) or faster
- Screen: 800 x 600 required; 1024 x 768 Recommended
- Network Card required
- RS232 Serial Port (DB9)

Operating System:

- Windows XP 32bit, Server 2003 32bit, Vista 32/64bit, Win7 32/64bit, or Server 2008/2008R2

WFCD2 Lock Management Tool (LMT)

- Lock Management Tool™ allows programming, interrogation and overall management from a centralized location of up to 25 doors
- License is included and is obtained at time of installation
- Download from IntelligentOpenings.com

WFCD3 Lock Management Tool (LMT)

- Lock Management Tool™ allows programming, interrogation and overall management from a centralized location of up to 50 doors
- License is included and is obtained at time of installation
- Download from IntelligentOpenings.com

Integration Tools for ASSA ABLOY Locks

The Corbin Russwin IP-enabled locks are managed by a range of access control and security systems. For more information on which systems support the Corbin Russwin IP-enabled locks, please contact your local ASSA ABLOY Door Security Solutions office, www.assaabloydss.com. To learn more about how to integrate these and other ASSA ABLOY products with your system, please call 800-810-WIRE. For a complete list of IP-enabled access control partners, visit www.intelligentopenings.com.

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Corbin Russwin
ASSA ABLOY

Available Trim Options

IN Series Mortise Locks and Exit Devices

Standard Lever	A Rose	B Rose	F Rose
Armstrong	ASA	ASB	ASF
Newport	NSA	NSB	NSF
Princeton	PSA	PSB	PSF
Citation	CSA	CSB	CSF
Dirke	DSA	DSB	DSF
Essex	ESA	ESB	ESF
Lustra	LSA	LSB	LSF
Regis	RSA	RSB	RSF



Armstrong



Citation



Dirke



Essex*



Lustra



Newport*



Princeton*



Regis

Vineyard™	G Rose
Frascati	FSG
Merlot	MSG
Zinfandel	ZSG



Frascati



Merlot



Zinfandel

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ASSA ABLOY

Available Trim Options

IN Series Mortise Locks and Exit Devices

The Muséo® Line

Josef



133 134 135 136 137 138

Georges



139 140 141 142 143

Georgia



102 103 104[2] 124[1] 125[1]

Salvador



106 107 108 109 110 123[1]



128[1]

Marc



111[2] 112[2] 114[2] 115[2] 116[2]



130[1,2] 131[1,2] 132[1,2]

Pablo



117[2] 126[1,2]

Jackson



105[2] 119[2] 121[2] 127[1,2]

Piet



21L 21G 21M 21S 23M 25M 27M

1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available in 32D or 32 finish.

Note: 135-138 levers contain white or black polycarbonate insert.

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Corbin Russwin
ASSA ABLOY

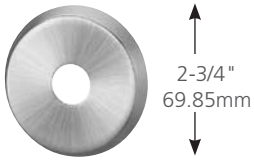
Available Trim Options

ML20100/ML20200 IN Series Mortise Locks

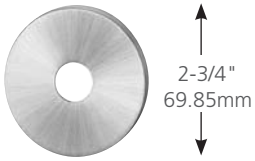
The Muséo® Line Roses[1]



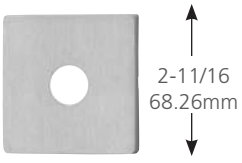
V Rose
Wrought



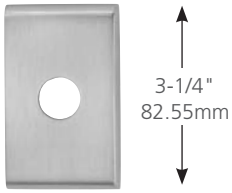
U Rose
Wrought



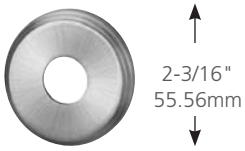
T Rose
Wrought



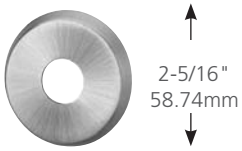
E2 Rose[2]
Wrought



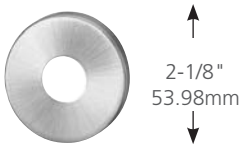
E4 Rose[2]
Wrought



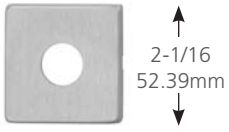
Y Rose
Wrought



W Rose
Wrought



X Rose
Wrought



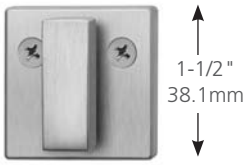
E3 Rose[2]
Wrought

Thumbturns[3]

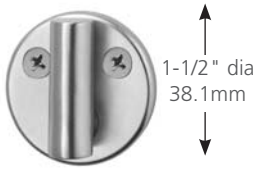
Specify quick code MT1, MT2, or MT3 for decorative turns. Standard thumbturn will be supplied without quick code.



MT1



MT2



MT3

Notes:
1. Roses trim are only available with Muséo levers.
2. Square cylinder collar and thumbturn backplate automatically supplied with E2, E3, and E4 roses.
3. Thumbturn back plate will match shape of rose chosen (i.e. round or square).

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How to Order the Muséo® Piet Levers

ML20100/ML20200 IN Series Mortise Locks



Grooved Insert 21G



Leather Insert 21L



Polished with Satin Insert 21M



Santoprene™ Insert 21S



With Raised Band 23M



Plain 25M



Plain with Two Grooves 27M

Piet Finish Codes

Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
613E	3E	Dark Oxidized Satin Bronze, Equivalent
BSP	BS	Black Suede Powder Coat
WSP	WS	White Suede Powder Coat
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	303030, 292929, 293029, 302930, 3E003E, BS00BS OR WS00WS
21L	Leather Insert	30BK30, 30BN30, 29BK29, 29BN29, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS OR WSBNWS
21M	Metallic Insert	293029** or 303030
21S	Santoprene Insert	30BK30, 29BK29, 3E003E, BS00BS or WS00WS
23M	Raised Band	290030, 290029, 300030, 300029, 3E003E, BS00BS OR WS00WS
25M	Plain	290029, 300030, 3E003E, BS00BS or WS00WS
27M	Two Grooves	290029, 300030, 3E003E, BS00BS or WS00WS

**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

Ordering Examples

Rose Options: E2, E3, E4, T, U, V, W, X, Y

Quantity	Series/ Function	Trim	Lever Finish	Lock Finish	Hand	Thumbturn Options
2	ML20134	21LU	29BK29	629	RH	MT3
1	ML20136	23ME3	290030	629	RH	MT3

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Common Replacement Parts

IN Series Intelligent IP-Enabled Access Control

Catalog Number	Description	Color
Reader Modules* **		
IN-120[1]-EM01-(B)IP-B	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, HID Prox®, NFC-enabled mobile phones	Black
IN-120[1]-EM01-(B)IP-W	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, HID Prox®, NFC-enabled mobile phones	White
IN-120[1]-EM01-(B)IP-MB-[finish]**	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, HID Prox®, NFC-enabled mobile phones	Black with metal trim
IN-120[1]-EM01-(B)IP-MW-[finish]**	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, HID Prox®, NFC-enabled mobile phones	White with metal trim
IN-120[1]-EM01-(B)IPS-B	All credentials supported by the IP option plus MIFARE Classic and DESfire EV1	Black
IN-120[1]-EM01-(B)IPS-W	All credentials supported by the IP option plus MIFARE Classic and DESfire EV1	White
IN-120[1]-EM01-(B)IPS-MB-[finish]**	All credentials supported by the IP option plus MIFARE Classic and DESfire EV1	Black with metal trim
IN-120[1]-EM01-(B)IPS-MW-[finish]**	All credentials supported by the IP option plus MIFARE Classic and DESfire EV1	White with metal trim
IN-120[1]-EM01-(B)CP-B	FeliCa, HID Prox®, NFC-enabled mobile phones	Black
IN-120[1]-EM01-(B)CP-W	FeliCa, HID Prox®, NFC-enabled mobile phones	White
IN-120[1]-EM01-(B)CP-MB-[finish]**	FeliCa, HID Prox®, NFC-enabled mobile phones	Black with metal trim
IN-120[1]-EM01-(B)CP-MW-[finish]**	FeliCa, HID Prox®, NFC-enabled mobile phones	White with metal trim

Catalog Number	Description	Color
Inside Escutcheon		
782F729	Inside Escutcheon	Black
782F739	Inside Escutcheon	White
783F725 [finish]**	Inside Escutcheon	Black with metal trim
783F735 [finish]**	Inside Escutcheon	White with metal trim

Catalog Number	Description
783F509	PoE Controller
782F718	Inside Mounting Kit (mounting plate and hardware)

Catalog Number	Description
Lock Bodies[1]	
783F938 [handing]* 26D	ML20133/ML20134 Mortise lock, no deadbolt
783F948 [handing]* 26D	ML20135/ML20136 Mortise lock, with deadbolt
783F918	CL33134 Cylindrical lock, fixed core cylinder
783F928	CL33134 Cylindrical lock, removable core cylinder (LFIC or SFIC)

Catalog Number	Description
Exit Device Replacement Parts	
9133	Rim exit trim without cylinder
9134	Rim exit trim with cylinder
9M133	Mortise exit trim without cylinder
9M134	Mortise exit trim with cylinder

**Replace with handing (L, LR, R, RR)*
*** Select from finishes on page 12 or 13*
**** Add B to the beginning of the credential quick code for Bluetooth Smart support*
1. Reader modules and lock bodies can be used for IN120 and IN220 locks

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Notes

IN Series Intelligent IP-Enabled Access Control

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Corbin Russwin

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Fax: 800-447-6714
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Fax: 905-738-2478
www.assaabloy.ca

For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

MicroShield™

MicroShield®
As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria.

MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

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Corbin Russwin

ASSA ABLOY

SE LP10

Integrated Wiegand Access Control



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in door opening solutions

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Corbin Russwin
ASSA ABLOY

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SE LP10

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The SE LP10 brings a new level of flexibility to Corbin Russwin Integrated Wiegand access control solutions.

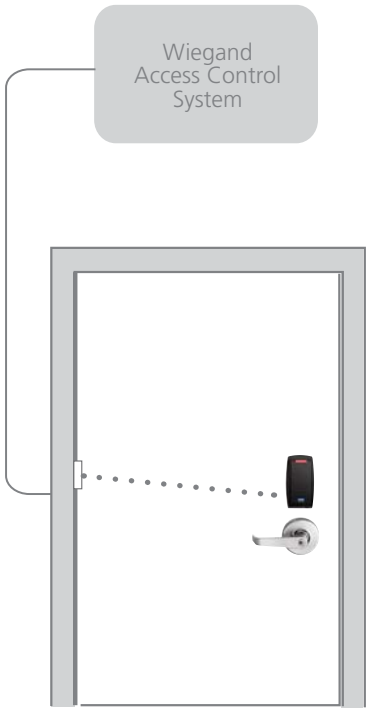
The SE LP10 combines a card reader, Door Position Switch (DPS), and Request-to-Exit (REX) signaling in a sleek, pleasing design backed by Corbin Russwin Grade 1 hardware. SE LP10 is available in Mortise Lock, Cylindrical Lock and a variety of Exit Device (Rim, Mortise and Vertical Rod) configurations. SE LP10 exit devices are available UL Listed for use on fire-rated doors*.

SE LP10 products are easily integrated into a Wiegand-compatible access control system. All SE LP10 products offer fail-safe or fail-secure operation.

SE LP10 multiCLASS SE® Solution
Featuring HID® multiCLASS SE® technology, the SE LP10 supports multiple industry leading credentials, making it ideal for mixed credential populations and facilities transitioning to higher security credentials.

SE LP10-F PIV Compatible Solution
Also featuring HID multiCLASS SE technology, the SE LP10-F is designed for secure physical access projects that must comply with Personal Identity Verification (PIV) standards under Federal Information Processing Standards (FIPS) 201. The SE LP10-F product line supports SP 800-116 Uncontrolled Security Areas, and offers a simple-to-deploy, cost-effective turnkey solution for facilities implementing PIV compatible physical security.

HID Mobile Access® Compatible
HID Mobile Access merges security with convenience by enabling a smartphone and other mobile devices to securely open a door. This unique solution enables Bluetooth Smart-enabled multiCLASS SE® readers to activate with a close range "tap" of a smartphone, or from a distance with HID Global's patented "Twist and Go" mode. Active feedback including vibration and sound enhances the user experience when opening doors.



Credential Support:

- 2.4 GHz credentials:
  - Secure Identity Object™ (SIO) on Mobile IDs (Bluetooth Smart)
- 13.56 MHz credentials:
  - Secure Identity Object™ (SIO) on iCLASS Seos, iCLASS SE/SR, MIFARE DESFire EV1 and MIFARE Classic (on by default)
  - Standard iCLASS Access Control Application, ISO14443A (MIFARE) CSN, ISO14443B CSN, and ISO15693 CSN
  - ISO14443A/B (PIV-compatible Transparent FASC-N read) available with SE LP10-F
  - NFC-enabled mobile phones
- 125 kHz credentials:
  - HID Prox®, AWID, EM4102

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Overview

SE LP10

SE LP10 is ideal for

› Corporate campuses
› Educational facilities
› Healthcare facilities
› Government facilities

Wiegand Open Architecture:

› Cost effective, easy system expansion
› Integrates mechanical door hardware with existing access control system

Reader Configuration Options

IPS-03

Standard indicator configuration

BIPS-03

Standard indicator configuration, HID Mobile Access®-ready and Bluetooth Smart capable

FIPS-03

PIV compatible solution with 200 bit Wiegand output

FIPS-04

PIV compatible solution with 75 bit Wiegand output



Cylindrical Lock -
CL33600 X SELP10



Mortise Lock -
ML20600 X SELP10



Exit Device -
ED5000n X 9600 X SELP10



Multi-Point Lock -
FE6600 x SELP10

Features & Benefits

	Features	Benefits
Technology	Open architecture platform	• Compatibility with all popular access control systems
	multiCLASS SE® Technology from HID Global®	• Provides heightened security • Supports multiple credential types • Supports HID Mobile Access® powered by Seos®
	Intelligent power management	• Reduces reader power consumption by as much as 75%
	Lockdown capable	• Ability to secure areas immediately from central security system
	Mortise locks and exit trims feature EcoFlex™ technology	• Reduces energy consumption up to 96%, as certified by GreenCircle • Field configurable to fail-safe or fail-secure • Lock operates from 12-24VDC, offering greater flexibility in system design • Innovative actuator design provides superior reliability
Installation	Integrated design incorporates all access control components, including card reader, door position switch*, and request to exit monitoring sensors	• Significantly reduces installation time with fewer components and a single wire harness
	Integrated ANSI/BHMA Grade 1 hardware, available in cylindrical lock, mortise lock, multi-point lock and exit device configurations	• Flexibility to support a variety of door applications; industry leading Grade 1 hardware offers the highest degree of physical security available in access control locks
	Direct Wiegand output	• Eliminates the need for an interface panel
	Provided with pre-terminated ElectroLynx® connectors	• Reduced installation time and costs; improved reliability

* Cylindrical locks and exit devices require an external door position switch

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The *SE LP10* mortise lock integrates into an existing Wiegand-compatible access control system and can monitor Latchbolt position, Request to Exit, and Door Position status, all within the lockbody. Secure door position monitoring feature ensures latchbolt is extended when door is closed.

The Grade 1 *SE LP10* mortise lock is designed to meet the rigors of high-traffic commercial, institutional, industrial and government applications. Constructed of heavy-gage steel, the lockbody features our patented Quick Reversible latchbolt, and a 1" stainless steel deadbolt.

Featuring EcoFlex™ Technology*

- Reduces energy consumption up to 96%, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Lock operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

Patent pending

Monitoring Features

- Request to exit
- Secure door position monitors latchbolt and door position in series

Handing

- Handed; quick reversibility
- The lockset can be re-handed without disassembling the lock body

Door Thickness

- 1-3/4" (44mm) standard
  Optional door thicknesses in 1/8" increments available; see Quick Code section

Backset

- 2-3/4" (70mm)

Lockcase

- Heavy-gage chrome plated steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm)

Front

- Heavy-gage steel, 8" (203mm) x 1-1/4"(32mm) x 3/32" (2mm)
  Accommodates non-beveled and beveled doors

Armored Front

- Wrought brass, bronze or stainless steel attached by machine screws to lockcase front

Latch

- Patented, quick, reversible 2-piece mechanical with anti-friction insert 5/8" (16mm) x 1" (25mm) x 3/4" (19mm)
  U.S. Patent #6,349,982

Auxiliary Latchbolt

- 9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking

Deadbolt

- One-piece stainless steel, 19/32" (15mm) x 1-1/4"(32mm) x 1" (25mm) throw
- Standard trim is through bolted, not free floating
- Muséo® trim is not through bolted, free floating

Hub

- Steel, 5/16" (8mm)

Strike

- Wrought brass, bronze or stainless steel ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center
- Optional strikes, lip lengths and ANSI wrought strike box available

Cylinder

- 1000-118-A01, 6-pin, L4, keyed random, furnished standard for 1-3/4" (44mm) door
- Optional cylinders available

Warranty

- 10-year limited mechanical
- 2-year limited electrical

ANSI

- Meets A156.13, Grade 1 requirements
- Meets A117.1 Accessibility Code
- Meets A156.25 requirements

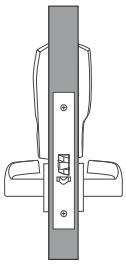
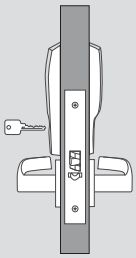
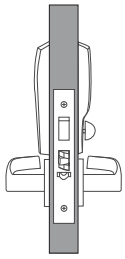
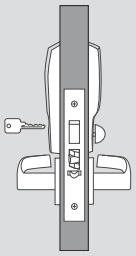
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Functions

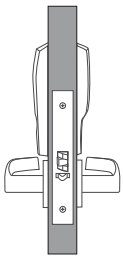
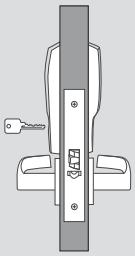
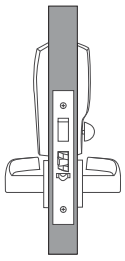
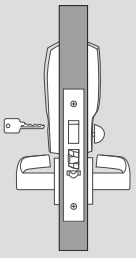
ML20600 SE LP10 Mortise Locks

SE LP10

Outside Inside	Series/Function	Type	Function Description
	ML20607 x SELP 10 x SAF Fail Safe No Key Override No Deadbolt	Entry	• Fail Safe - Power off unlocks outside trim • Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when valid user credential presented • Request to exit and secure door position monitor are standard
	ML20606 x SELP 10 x SAF Fail Safe With Key Override No Deadbolt	Entry	• Fail Safe - Power off unlocks outside trim • Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when valid user credential presented • Key outside retracts latch • Request to exit and secure door position monitor are standard
	ML20609 x SELP 10 x SAF Fail Safe No Key Override With Deadbolt	Entry With Deadbolt	• Fail Safe - Power off unlocks outside trim • Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when valid user credential presented • Turnpiece inside extends and retracts deadbolt • Request to exit and secure door position monitor are standard
	ML20608 x SELP 10 x SAF Fail Safe With Key Override With Deadbolt	Entry With Deadbolt	• Fail Safe - Power off unlocks outside trim • Deadlocking latch • Latch and deadbolt retracted by inside lever and Deadbolt at all times • Outside lever rigid except when valid user credential presented • Key outside projects or retracts deadbolt and retracts latch • Turnpiece inside extends and retracts deadbolt • Request to exit and secure door position monitor are standard

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Outside Inside	Series/Function	Type	Function Description
	ML20607 x SELP 10 x SEC Fail Secure No Key Override No Deadbolt	Entry	• Fail Secure - Power off, trim outside is locked • Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when valid user credential presented • Request to exit and secure door position monitor are standard
	ML20606 x SELP 10 x SEC Fail Secure With Key Override No Deadbolt	Entry	• Fail Secure - Power off, trim outside is locked • Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when valid user credential presented • Key outside retracts latch • Request to exit and secure door position monitor are standard
	ML20609 x SELP 10 x SEC Fail Secure No Key Override With Deadbolt	Entry With Deadbolt	• Fail Secure - Power off, trim outside is locked • Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when valid user credential presented • Turnpiece inside extends and retracts deadbolt • Request to exit and secure door position monitor are standard
	ML20608 x SELP 10 x SEC Fail Secure With Key Override With Deadbolt	Entry With Deadbolt	• Fail Secure - Power off, trim outside is locked • Deadlocking latch • Latch and deadbolt retracted by inside lever and Deadbolt at all times • Outside lever rigid except when valid user credential presented • Key outside projects or retracts deadbolt and retracts latch • Turnpiece inside extends and retracts deadbolt • Request to exit and secure door position monitor are standard

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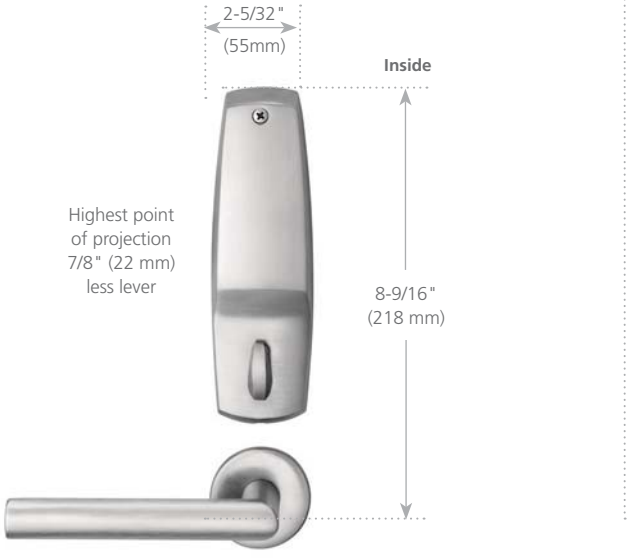
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Escutcheons & Electrical Specifications

ML20600 SE LP10 Mortise Locks

SE LP10





Reader:

- Highest point of projection 15/16" (24 mm) less lever
- Operating temperature -31°F (-35°C) to 150°F (65°C)
- LEDs indicate valid/invalid credentials

Electrical Specifications:

- Reader draw = 200 mA peak, 75 mA average (reader requires 12VDC)
- Actuator draw = 15 mA continuous
- Maximum (2) locks per 1 Amp power supply (1/2 Amp peak current draw)

Inside Escutcheon*

- Solid casting
- Highest point of projection 7/8" (22 mm) less lever
- Operating temperature -40°F (-40°C) to 135°F (57°C)

*** U.S. Patent D601,001S; D601,002S; D601,003S; D602,762S**

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ML20600 Series Electrified Mortise Lock with High Security Monitoring

The EcoFlex™ electrified mortise lock platform, including SE LP10, is available with internal end-of-line resistors for comprehensive monitoring of the circuit between the access control panel and lock, as well as deadbolt privacy function.

High Security Monitoring Options

- **Internal End-of-Line Monitoring**
  Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

  Select a compatible resistor configuration and add the appropriate quick code to your order string:
  – **R01**: Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision
  – **R03**: Software House compatible 1KΩ/2KΩ resistance supervision
  – **R04**: AMAG compatible 4-state supervision

- **Deadbolt Privacy Function (PHR)**
  – Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.
  – Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower areas
  – To order, add the PHR quick code to your order string (available with deadbolt functions only)

Ordering Examples

Quantity	Series/ Function	Technology Code	Trim	Finish	Hand	Reader Code	Reader Modifier	Fail-Safe/ Fail-Secure	High Security Monitoring Options
2	ML20608	SELP10	111X	626	RHR	IPS	B03	SEC	PHRR01

› ML2000 Mortise Lock x SE LP10 x No Cylinder x Deadbolt x Fail-Secure
› Muséo® lever 111 with X rose
› Satin chrome finish
› Right hand reverse
› HID® multiCLASS SE® reader, standard indicator configuration
› Deadbolt privacy function, Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision

Quantity	Series/ Function	Technology Code	Trim	Finish	Hand	Reader Code	Reader Modifier	Fail-Safe/ Fail-Secure	High Security Monitoring Options
2	ML20609	SE LP10	111X	626	RHR	IPS	B03	SEC	R03

› ML2000 Mortise Lock x SE LP10 x No Cylinder x Deadbolt x Fail-Secure
› Muséo® lever 111 with X rose
› Satin chrome finish
› Right hand reverse
› HID® multiCLASS SE® reader, standard indicator configuration
› Software House compatible 1KΩ/2KΩ resistance supervision

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Available Trim Options

ML20600 SE LP10 Mortise Locksets

Standard

Lever	A Rose	B Rose	F Rose
Armstrong	ASA	ASB	ASF
Newport	NSA	NSB	NSF
Princeton	PSA	PSB	PSF
Citation	CSA	CSB	CSF
Dirke	DSA	DSB	DSF
Essex	ESA	ESB	ESF
Lustra	LSA	LSB	LSF
Regis	RSA	RSB	RSF



Vineyard™

	G Rose
Frascati	FSG
Merlot	MSG
Tuscany	TSG
Zinfandel	ZSG



Muséo®

		V Rose	U Rose	T Rose	Y Rose	X Rose	W Rose
Georgia	102	102V	102U	102T	102Y	102X	102W
	103	103V	103U	103T	103Y	103X	103W
	104	104V	104U	104T	104Y	104X	104W
	124	124V	124U	124T	124Y	124X	124W
	125	125V	125U	125T	125Y	125X	125W
salvador	106	106V	106U	106T	106Y	106X	106W
	107	107V	107U	107T	107Y	107X	107W
	108	108V	108U	108T	108Y	108X	108W
	109	109V	109U	109T	109Y	109X	109W
	110	110V	110U	110T	110Y	110X	110W
	123	123V	123U	123T	123Y	123X	123W
	128	128V	128U	128T	128Y	128X	128W
	129	129V	129U	129T	129Y	129X	129W
marc	111	111V	111U	111T	111Y	111X	111W
	112	112V	112U	112T	112Y	112X	112W
	114	114V	114U	114T	114Y	114X	114W
	115	115V	115U	115T	115Y	115X	115W
	116	116V	116U	116T	116Y	116X	116W
	130	130V	130U	130T	130Y	130X	130W
	131	131V	131U	131T	131Y	131X	131W
	132	132V	132U	132T	132Y	132X	132W
pablo	117	117V	117U	117T	117Y	117X	117W
	126	126V	126U	126T	126Y	126X	126W
jackson	119	119V	119U	119T	119Y	119X	119W
	121	121V	121U	121T	121Y	121X	121W
	127	127V	127U	127T	127Y	127X	127W
PIET	21G	21GV	21GU	21GT	21GY	21GX	21GW
	21L	21LV	21LU	21LT	21LY	21LX	21LW
	21M	21MV	21MU	21MT	21MY	21MX	21MW
	21S	21SV	21SU	21ST	21SY	21SX	21SW
	23M	23MV	23MU	23MT	23MY	23MX	23MW
	25M	25MV	25MU	25MT	25MY	25MX	25MW
	27M	27MV	27MU	27MT	27MY	27MX	27MW



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available with Inspire™ Roseless Trim
3. *Not available in 32D or 32 finish

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Available Trim Options

ML20600 SE LP10 Mortise Locksets

Inspire™ Roseless Trim



Inspire roseless trim blends the lever and the door creating an artful approach to every opening. Offered with most Muséo® decorative levers, this exquisite trim will inspire the creation of beautiful openings.

Features:

- Certified to and exceeds ANSI A156.13, Series 1000, Operational Grade 1 and Security Grade 1
- Attachment method similar to standard trim
- Available with most mortise lock functions
- Compatible with most *Muséo* Collection levers (except 104, 111, 113, 121 and Piet levers)
- Selected levers return within 1/2" of the door face
- All standard cylinder options are available

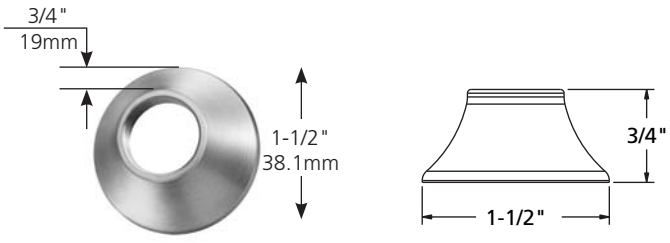
Ordering Example

Stock Order

					Required Options				Other Options
Quantity	Function	Trim	Finish	Handing	Technology Code	Reader Code	Reader Modifier	Fail Safe/ Fail Secure	Cylinder, Strike, Door Thickness
5	ML20606	114J	626	RHR	SELP10	FIPS	B04	SEC	—

› ML2000 Mortise Lock x SE LP10 x Key Override x No Deadbolt x Fail Secure
› *Muséo* lever 114 with *Inspire* roseless trim. Specify J for the rose when ordering *Inspire* roseless trim.
› Satin chrome finish
› Right hand reverse
› FIPS 04: PIV compatible 200 bit output reader, black

Inspire™ Roseless Trim



Brass or Stainless Steel

*Roses and Inspire trim are only available with Muséo levers.

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Available Trim Options

ML20600 SE LP10 Mortise Locksets

SE LP10



Grooved Insert 21G



Leather Insert 21L



Polished with Satin Insert 21M



Santoprene™ Insert 21S



With Raised Band 23M



Plain 25M



Plain with Two Grooves 27M

Piet Finish Codes

Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
613E	3E	Dark Oxidized Satin Bronze, Equivalent
BSP	BS	Black Suede Powder Coat
WSP	WS	White Suede Powder Coat
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	303030, 292929, 293029, 302930, 3E003E, BS00BS OR WS00WS
21L	Leather Insert	30BK30, 30BN30, 29BK29, 29BN29, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS OR WSBNWS
21M	Metallic Insert	293029** or 303030
21S	Santoprene Insert	30BK30, 29BK29, 3E003E, BS00BS or WS00WS
23M	Raised Band	290030, 290029, 300030, 300029, 3E003E, BS00BS OR WS00WS
25M	Plain	290029, 300030, 3E003E, BS00BS or WS00WS
27M	Two Grooves	290029, 300030, 3E003E, BS00BS or WS00WS

**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

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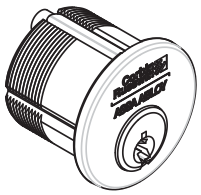
SE LP10

ML20600 SE LP10 Mortise Locksets

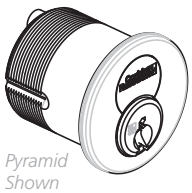
Cylinders

- Conventional (standard for ML2000)
- Security (standard for ML2000HS)
- Pyramid (optional)
- Interchangeable Core (IC)
- 2 nickel silver keys
- Finishes: See Key Systems and Pyramid

Conventional (Fixed Core)



Interchangeable Core (IC)



Pyramid Shown

Cylinder Quick Codes

Mortise Cylinder Type	Keyed Functions for 1-3/4" Door
Pyramid High Security (PHS)	1020-114-A01
Pyramid High Security Interchangeable Core (PCHS)	1030-114-A01
Pyramid Security (PS)	1027-114-A01
Pyramid Security IC (PCS)	1037-114-A01
Conventional 6-pin	1000-118-A01
7-pin (7P)	1000-114-A01-7
6-pin IC (C6)	1080-114-A01
7-pin IC (C7)	1080-112-A01-7
Security IC (CHS)	1090-114-A01
Security (HS)	1010-118-A01

For complete Pyramid information and options refer to Pyramid catalog.

To order optional cylinder with lockset, see Quick Codes, page 48.

To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 1000-138-A01 x L4 x 626).

Function

Description	Specify
No key override, no deadbolt	ML20607 x SELP10
With key override, no deadbolt	ML20606 x SELP10
No key override, with deadbolt	ML20609 x SELP10
With key override, with deadbolt	ML20608 x SELP10

Fail-Safe/Fail-Secure Quick Code

Description	Specify
Fail-Safe	SAF
Fail-Secure	SEC

Hand

Description	Specify
Right Hand	RH
Right Hand Reverse	RHR
Left Hand	LH
Left Hand Reverse	LHR

Door Thickness

Description	Specify
1-3/4" (44mm)	std
1-7/8" (48mm)	D178
2" (51mm)	D200
2-1/8" (54mm)	D218
2-1/4" (57mm)	D214

Consult factory for door thicknesses greater than 2-1/4

Finish*

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613[1]
Dark Oxidized Satin Bronze - Equivalent	613E
Dark Oxidized Satin Bronze, Clear Coated	613L
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Bright Stainless Steel	629[3]
Satin Stainless Steel	630[3]
Satin Stainless Steel with MicroShield®	630C
Black Oxidized Bronze, Oil Rubbed	722[2]
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

[1] New, March 2007
[2] Formerly 613 prior to March 2007
[3] Escutcheon finished to match 629, 630 finish
*See page 10 for finish options available for the Muséo® Piet Lever Collection.

Reader Code

Description	Specify
Standard multiCLASS SE	IPS
HID Mobile Access®-mobile ready and Bluetooth Smart capable	BIPS
PIV compatible	FIPS

Reader Modifier

Description	Specify
Black reader; IPS/BIPS: standard indicator configuration, FIPS: 200 bit output	B03
Black reader; FIPS 75 bit output	B04

End-of-Line Resistors and Deadbolt Privacy Quick Code

Description	Specify
No End-of-Line Resistors	Blank
Mercury / Lenel 1KΩ/2KΩ	R01
Software House 1KΩ/2KΩ	R03
AMAG 4-State Supervision	R04
Deadbolt Privacy	PHR
Deadbolt Privacy and Mercury / Lenel 1KΩ/2KΩ	PHRR01
Deadbolt Privacy and Software House 1KΩ/2KΩ	PHRR03
Deadbolt Privacy and AMAG 4-State	PHRR04

For all quick codes see pages 47-50

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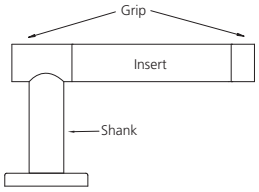
How to Order

ML20600 SE LP10 Mortise Locksets

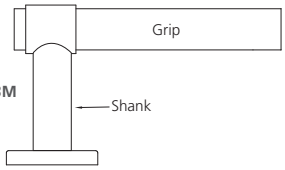
SE LP10

How to Order the Muséo® Piet Lever Collection

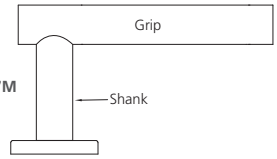
21G, 21L, 21M, 21S



23M



25M, 27M



Stock Order

						Required Options				Other Options
Quantity	Function	Trim	Lever Finish	Lock Finish*	Handing	Technology Code	Reader Code	Reader Modifier	Fail Safe/ Fail Secure	Cylinder, Strike, Door Thickness
2	ML20607	21MV	293029	629	RHR	SELP10	IPS	B03	SEC	—

› ML2000 Mortise Lock x *SE LP10* x No Cylinder x No Deadbolt x Fail-Secure
› Muséo® Piet Lever 21M - Polished with Satin Insert – with V rose
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 629 Lock Finish
› Right hand reverse
› Standard multiCLASS SE® reader configuration, black

Stock Order

						Required Options				Other Options
Quantity	Function	Trim	Lever Finish	Lock Finish*	Handing	Technology Code	Reader Code	Reader Modifier	Fail Safe/ Fail Secure	Cylinder, Strike, Door Thickness
2	ML20609	21GU	292929	629	RHR	SELP10	IPS	B03	SEC	—

› ML2000 Mortise Lock x *SE LP10* x No Cylinder x Deadbolt x Fail-Secure
› 629 Lock Finish
› Right hand reverse
› Standard multiCLASS SE® reader configuration, black

** Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.*

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How to Order

ML20600 SE LP10 Mortise Locksets

Ordering Examples

Stock Order

Quantity	Series/Function	Trim	Finish	Hand	Technology Code	Required Options			Other Options
						Reader Code	Reader Modifier	Fail Safe/ Fail Secure	Cylinder, Strike, Door Thickness
24	ML20607	111X	626	RHR	SELP10	IPS	B03	SEC	—

› ML2000 Mortise Lock x *SE LP10* x No Cylinder x No Deadbolt x Fail-Secure
› Muséo® lever 111 with X rose
› Satin chrome finish
› Right hand reverse
› Standard multiCLASS SE® reader configuration, black

Split Trim/Finish Order

Quantity	Series/Function	Trim		Finish		Hand	Technology Code	Required Options		
		Outside	Inside	Outside	Inside			Reader Code	Reader Modifier	Fail Safe/ Fail Secure
24	ML20606	CSA	CSA	626	606	RHR	SELP10	IPS	B03	SEC

ML2000 Mortise Lock x *SE LP10* x Key Override x No Deadbolt x Fail-Secure

Outside:
› Citation lever x wrought rose
› Satin chrome finish
› Right hand reverse
› Standard multiCLASS SE® reader configuration, black
› Conventional 6-Pin cylinder

Inside:
› Citation lever x wrought rose
› Satin brass finish

Contract/Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Required Options				Other Options			
						Technology Code	Reader Code	Reader Modifier	Fail Safe/ Fail Secure	Door Thickness	Strike	Cylinder	Keying
24	AA1	ML20609	LWA	626	RHR	SELP10	FIPS	B04	SAF	D214	SA138	C7	VKC3

› ML2000 Mortise Lock x *SE LP10* x No Cylinder x Deadbolt x Fail-Safe
› Lustra lever x wrought A rose
› Satin chrome finish
› Right hand reverse
› 2-1/4" thick door
› 2" curved lip strike box
› PIV compatible 75-bit reader, black
› Interchangeable core x 7 pin
› Cylinders Only Visual Key Control

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Corbin Russwin
ASSA ABLOY

Sold through:
Authorized Channel Partner
ASSA ABLOY

Features

CL33600 SE LP10 Cylindrical Locks

The Grade 1 *SE LP10* Cylindrical Locksets seamlessly integrate into an existing Wiegand-compatible access control system. Door monitoring capabilities include Request to Exit, which monitors movement of the inside lever, and external Door Position Switch.

The *SE LP10* Cylindrical Locksets offer a clean, crisp design and a choice of a wide range of hardware finishes. Using a family of lever designs across the three product offerings provides visual uniformity when used throughout a facility.

Features

- Solenoid operated 12VDC & 24VDC cylindrical lock, fail safe or fail secure
- Freewheeling outside lever when locked

Monitoring Features

- Request to Exit monitoring standard (non-handed)
- External door position switch included to allow for full monitoring

Door Thickness

- 1-3/4" (44mm) to 2" (50mm) standard, 2" (50mm) to 2-1/4" (57mm) optional. Specify D214

Lock Chassis

- Steel, zinc dichromated for corrosion resistance

Backset

- 2-3/4" (70mm) standard, 3-3/4" (95mm) and 5" (127mm) optional

Latchbolt

- Stainless steel, 1/2" (13mm) throw
  Optional: 3/4" (19mm) throw deadlocking fire latch for pair of doors

Auxiliary Latchbolt

- Deadlocking latchbolt prevents manipulation when door is closed

Front

- Wrought brass or stainless steel, 2-1/4" (57mm) x 1-1/8" (29mm). Accommodates non-beveled and beveled doors
  Optional: rounded corners

Strike

- Wrought brass or stainless steel ANSI curved lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center
  Optional: strikes, lip lengths and ANSI wrought strike box available

Cylinder

- Brass, 6-pin, L4 keyway, 0-bitted standard

Keying Features Available

- Master Keying
- Construction master keying
- Visual key control
- Concealed key control
- Interchangeable core (IC)
- Security
- Security IC
- Pyramid
- Pyramid IC
- Pyramid Security
- Pyramid Security IC

Keys

- Two nickel silver standard

Warranty

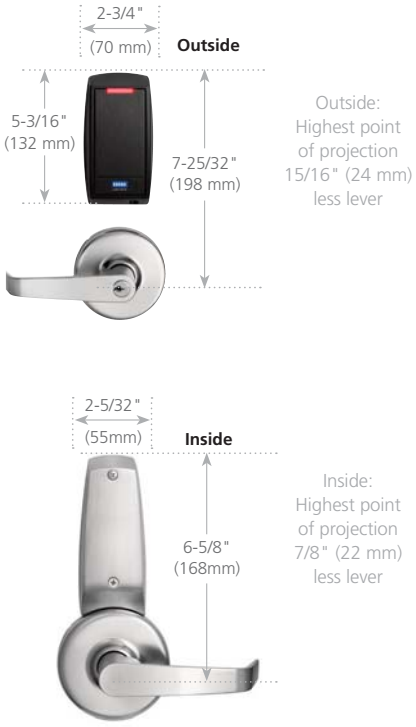
- 7-year limited mechanical, 2-year limited electrical

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SE LP10

CL33600 SE LP10 Cylindrical Locks



*** U.S. Patent D601,001S; D601,002S; D601,003S; D602,762S**

Reader

- Highest point of projection 15/16" (24 mm) less lever
- Operating temperature -31°F (-35°C) to 150°F (65°C)
- LEDs indicate valid/invalid credentials

Electrical Specifications:

- Reader requires 12 volts direct current

12VDC System with 12VDC Solenoid

Reader: 12VDC @ 200 mA peak (75 mA continuous)

Solenoid: 12VDC @ 380 mA

12VDC System with 24VDC Solenoid

Reader: 12VDC @ 200 mA peak (75 mA continuous)

Solenoid: 24VDC @ 150 mA

Inside Escutcheon*

· Solid casting inside escutcheon

· Operating temperature -40°F (-40°C) to 135°F (57°C)

· Highest point of projection 7/8" (22 mm) less lever

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Functions

CL33600 SE LP10 Cylindrical Locks

SE LP10

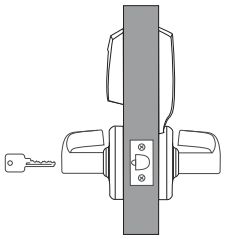
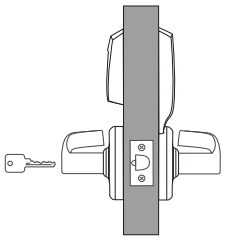
Certification/Compliance

ANSI/BHMA
Meets A156.2 Grade 1 requirements.

Federal
Meets FF-H-106C.

California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face.

C-UL US
All locks with 1/2" (13mm) throw latchbolt listed for A label and lesser class 4' x 10' single doors. All locks with 3/4" (19mm) throw latchbolt listed for A label and lesser class 8' x 10' pairs of doors. Letter F and UL symbol on latch front indicate listing.

Outside	Inside	Series/Function	Type	Function Description
		CL33603 Fail Safe With Key Override	Entry	• Latch retracted by inside lever at all times • Key outside retracts latch • Outside lever locked (freewheeling) except when valid user credential presented
		CL33605 Fail Secure With Key Override	Entry	• Latch retracted by inside lever at all times • Key outside retracts latch • Outside lever locked (freewheeling) except when valid user credential presented

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Ordering Examples

Stock Order

Quantity	Series/Function	Trim	Finish	Hand	Required Options				Other Options
					Technology Code	Reader Code	Reader Modifier	Voltage	Cylinder, Strike, Door Thickness
8	CL33603	NZD	626	RH	SELP10	IPS	B03	12AD	—

› CL3300 Cylindrical Lock x *SE LP10* x Fail Safe x Key Override x 12 volts
› Newport Lever x D rose
› Satin chrome finish
› Right hand reverse
› Standard multiCLASS SE® reader configuration, black
› Conventional 6-Pin cylinder

Split Trim/Finish Order

Quantity	Series/ Function	Trim		Finish		Hand	Required Options				Other Options
		Outside	Inside	Outside	Inside		Technology Code	Reader Code	Reader Modifier	Voltage	Cylinder, Strike, Door Thickness
24	CL33605	NZD	AZD	626	625	LH	SELP10	IPS	B03	12AD	—

CL3300 Cylindrical Lock x *SE LP10* x Fail Secure x Key Override x 12 volts

Outside:
› Newport lever x D rose
› Satin chrome finish
› Left hand
› Standard multiCLASS SE® reader configuration, black
› Conventional 6-Pin cylinder

Inside:
› Armstrong lever x D rose
› Bright chrome finish

Contract/Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Required Options				Other Options			Keyin
						Technology Code	Reader Code	Reader Modifier	Lock Solenoid Voltage	Door Thickness	Optional Strike	Optional Cylinder	
24	AA1	CL33605	FZD	626	RHR	SELP10	IPS	B03	12AD	D214	SA138	C7	VKC3

› CL33600 Cylindrical Lock Series x *SE LP10* x Fail Secure x Key Override x 12 volts
› Frascati lever x D rose
› Satin chrome finish
› Right hand reverse
› 2-1/4" thick door
› Standard multiCLASS SE® reader configuration, black
› Interchangeable core x 7 pin
› Cylinders Only Visual Key Control

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Sold through:

Authorized Channel Partner
ASSA ABLOY

How to Order

CL33600 SE LP10 Cylindrical Locks

SE LP10

Function

Description	Specify
Fail-safe with key override	CL33603 x SELP10
Fail-secure with key override	CL33605 x SELP10

Trim

Description	Specify
Armstrong	AZD
Newport	NZD
Princeton	PZD
Frascati	FZD

Hand

Description	Specify
Right Hand	RH
Right Hand Reverse	RHR
Left Hand	LH
Left Hand Reverse	LHR

Backset

Description	Specify
2-3/4"	(std)
3-3/4"	B334
5"	B500

Door Thickness

Description	Specify
1-3/4" (44 mm) - 2" (51 mm)	std
Over 2" (51 mm) - 2-1/4" (57 mm) D214	D214

Consult factory for door thicknesses greater than 2-1/4

Finish*

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613[1]
Dark Oxidized Satin Bronze - Equivalent	613E
Dark Oxidized Satin Bronze, Clear Coated	613L
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Black Oxidized Bronze, Oil Rubbed	722[2]
Black Suede Powder Coat	BSP
Whites Suede Powder Coat	WSP

[1] New, March 2007
[2] Formerly 613 prior to March 2007

Lock Solenoid Voltage Quick Code

Description	Specify
12 Volts DC	12AD
24 Volts DC	24AD

Reader Code

Description	Specify
Standard multiCLASS SE	IPS
HID Mobile Access®-ready and Bluetooth Smart capable	BIPS
PIV compatible	FIPS

Reader Modifier

Description	Specify
Black reader; IPS/BIPS: standard indicator configuration, FIPS: 200 bit output	B03
Black reader; FIPS 75 bit output	B04

For all quick codes see pages 47-50

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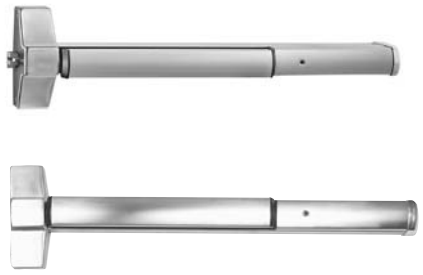
SE LP10

ED5000N x 9600 SE LP10 Series Exit Device

The Grade 1 Corbin Russwin ED5000N Series exit devices seamlessly integrate into an existing Wiegand compatible access control system. A wide range of monitoring capabilities, which include Request to Exit (rail monitoring) as standard, achieve a high level of security. An external door position switch further augments door monitoring.

The *SE LP10* Series exit device product selection is Corbin Russwin's most extensive exit device access control offering. Rim devices, mortise lock exits, concealed vertical rod devices, as well as surface mounted vertical rods exit devices, are all available. The Motorised Electric Latch Retraction (MELR) variant provides remote-controlled latch retraction that delivers quiet, smooth operation for convenient, hassle-free egress.

Featuring clean, crisp design, the *SE LP10* exit devices are available with a variety of lever designs, and hardware finishes.



	Inside Push Pad	Outside Reader Trim
R/S	ED5200(S)(A)N	9600
Mortise	ED5600(A)N	9M600
CVR	ED5800(A)N	9600
SVR	ED5400(A)N	9S600

Note: N suffix denotes exit device equipped with external door position switch and internal request to exit monitoring for use with SE LP10 exit trim.



ED5000 Mechanical or MELR Exit Device Retrofit Kit
For use with *SE LP10* Exit Trim

Kit allows you to retrofit an existing ED5000 Series mechanical exit device with M92 (Touch Bar Monitor/REX) that will integrate with *SE LP10* trim

Kit Includes:
- Touch Bar Monitor/ REX assembly
- Harness from REX switch to *SE LP10* Controller
- Trim Slide Retainer/ Screw
- Trim Slide Wire Bracket
- Wire Grommet
- Installation Instructions

To order, specify 743F939

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Features

ED5000N x 9600 SE LP10 Series Exit Devices

SE LP10

Featuring EcoFlex™ Technology*

- Reduces energy consumption up to 95%, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Lock operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

Patent pending

Monitoring Features

- Request to exit
- External door position switch included to allow for full monitoring

Handing

- Rim Device is non-handed.
- Mortise, surface vertical rod and concealed vertical rod devices are handed.
- Lever trim is handed.

Bar Length

- Easily field cut to size
- Standard: 36" (914mm) bar fits 30" (762mm) to 36" (914mm) door
- Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024
- Optional: 48" (1219mm) bar fits 36" (914mm) to 48" (1219mm) door; specify W048

Door Thickness

- 1-3/4" (44mm) standard
- Optional: 2" (51mm); specify D200
- Optional: 2-1/4" (57mm); specify D214

Stile

- Minimum width 4-1/2" (114mm)

Lever Trim

- Free floating, to fit doors 1-3/4" (44mm) to 2-1/4"(7mm)

Projection

- 3-1/4" (83mm) active, 2-3/4" (70mm) depressed

Fasteners

- Standard on panic devices: machine screws and wood door fasteners
- Standard on fire-rated devices: sex nuts and bolts
- Optional on panic devices: sex nuts and bolts for use on wood, composite or unreinforced metal doors; specify M54
- Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64

Strike

Mortise Device

- Wrought brass, bronze or stainless steel ANSI curved lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center
- Optional strikes available

Rim and Surface Vertical Rod Devices

- Surface-mounted 3/8" (10mm) diameter roller strike, complete with positive locking plate and shims, assuring low friction relocking for a long, trouble-free life

Functions and Trims

- Through-bolted lever trim available with wide range of functions; see Trim, page 31

Key Override

- Outside cylinder override allows lever to retract latch

Warranty

- 5-year limited mechanical
- 2-year limited electrical

Certification/Compliance

ANSI/BHMA

Meets A156.3, Type 1, Grade 1.
Meets A117.1 Accessibility Code.

C-UL US

All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 4' x 8' single or 8' x 8' double doors; UL symbol on active case cover indicates listing.

California State Reference Code

This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA

All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows.*

ADA

Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

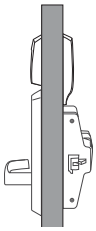
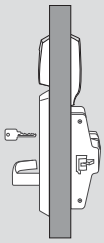
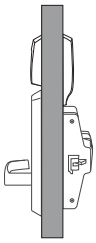
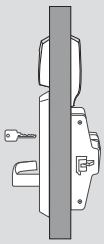
*Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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SE LP10

ED5000N x 9600 SE LP10 Series Exit Device

Outside	Inside	Series/Function	Type	Function Description
		ED5200(A)N x 9610 x SELP10 ED5200S(A)N x 9610 x SELP10 Fail Safe No Key Override	Rim SecureBolt® Entry	• Fail Safe - Power off, unlocks outside trim • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented
		ED5200(A)N x 9603 x SELP10 ED5200S(A)N x 9603 x SELP10 Fail Safe With Key Override	Rim *SecureBolt* Entry	• Fail Safe - Power off, unlocks outside trim • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented • Outside cylinder override allows lever to retract latch
		ED5200(A)N x 9630 x SELP10 ED5200S(A)N x 9630 x SELP10 Fail Secure No Key Override	Rim *SecureBolt* Entry	• Fail Secure - Power off, trim outside is locked • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented
		ED5200(A)N x 9605 x SELP10 ED5200S(A)N x 9605 x SELP10 Fail Secure With Key Override	Rim *SecureBolt* Entry	• Fail Secure - Power off, trim outside is locked • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented • Outside cylinder override allows lever to retract latch

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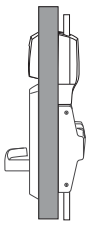
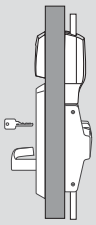
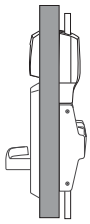
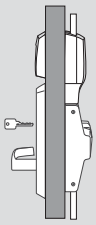
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Functions

ED5000N x 9600 SE LP10 Series Exit Device

SE LP10

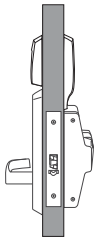
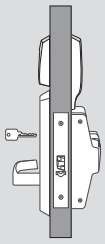
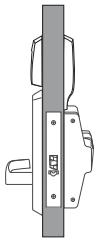
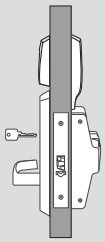
Outside	Inside	Series/Function	Type	Function Description
		ED5400(A)N x 9S610 x SELP10 ED5470(B)N x 9S610 x SELP10 Fail Safe No Key Override	SVR Entry	• Fail Safe - Power off, unlocks outside trim • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented
		ED5400(A)N x 9S603 x SELP10 ED5470(B)N x 9S603 x SELP10 Fail Safe With Key Override	SVR Entry	• Fail Safe - Power off, unlocks outside trim • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented • Outside cylinder override allows lever to retract latch
		ED5400(A)N x 9S630 x SELP10 ED5470(B)N x 9S630 x SELP10 Fail Secure No Key Override	SVR Entry	• Fail Secure - Power off, trim outside is locked • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented
		ED5400(A)N x 9S605 x SELP10 ED5470(B)N x 9S605 x SELP10 Fail Secure With Key Override	SVR Entry	• Fail Secure - Power off, trim outside is locked • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented • Outside cylinder override allows lever to retract latch

ASSA ABLOY, the global leader in door opening solutions

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SE LP10

ED5000N x 9600 SE LP10 Series Exit Device

Outside	Inside	Series/Function	Type	Function Description
		ED5600(A)LN x 9M610 x SELP10 Fail Safe No Key Override	Mortise Exit Entry	• Fail Safe - Power off, unlocks outside trim • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (rigid) except when valid user credential presented
		ED5600(A)LN x 9M603 x SELP10 Fail Safe With Key Override	Mortise Exit Entry	• Fail Safe - Power off, unlocks outside trim • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (rigid) except when valid user credential presented • Outside cylinder override retracts latch
		ED5600(A)LN x 9M630 x SELP10 Fail Secure No Key Override	Mortise Exit Entry	• Fail Secure - Power off, trim outside is locked • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (rigid) except when valid user credential presented
		ED5600(A)LN x 9M605 x SELP10 Fail Secure With Key Override	Mortise Exit Entry	• Fail Secure - Power off, trim outside is locked • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (rigid) except when valid user credential presented • Outside cylinder override retracts latch

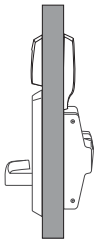
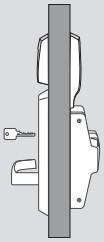
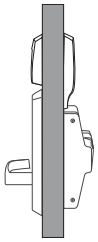
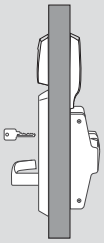
L = Outside trim x Lever

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Functions

ED5000N x 9600 SE LP10 Series Exit Device

SE LP10

Outside	Inside	Series/Function	Type	Function Description
		ED5800(A)N x 9610 x SELP10 ED5860(B)N x 9610 x SELP10 Fail Safe No Key Override	CVR Entry	• Fail Safe - Power off, unlocks outside trim • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented
		ED5800(A)N x 9603 x SELP10 ED5860(B)N x 9603 x SELP10 Fail Safe With Key Override	CVR Entry	• Fail Safe - Power off, unlocks outside trim • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented • Outside cylinder override allows lever to retract latch
		ED5800(A)N x 9630 x SELP10 ED5860(B)N x 9630 x SELP10 Fail Secure No Key Override	CVR Entry	• Fail Secure - Power off, trim outside is locked • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented
		ED5800(A)N x 9605 x SELP10 ED5860(B)N x 9605 x SELP10 Fail Secure With Key Override	CVR Entry	• Fail Secure - Power off, trim outside is locked • Request to Exit switch indicates push rail movement • Door position switch included to allow for full monitoring • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when valid user credential presented • Outside cylinder override allows lever to retract latch

L = Outside trim x Lever

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SE LP10 ED5000N x Trim x MELR SE LP10 Series Exit Device

Electric Latch Retraction - MELR

The Motorized Electric Latch Retraction (MELR) exit device provides remote-controlled latch retraction that delivers quiet, smooth operation for convenient, hassle-free egress. Easily installed in new applications and available as retrofit rail kit assemblies for field updates, the MELR features maintenance-free design with few moving parts using 86% less power consumption during retraction than solenoid devices. Plus, MELR is powered by a standard power supply, simplifying installation and increasing system design flexibility.

Application

- SecureBolt® Exit Devices
- Rim Exit Devices
- Surface Vertical Rod Exit Devices
- Concealed Vertical Rod Exit Devices
- Mortise Exit Devices

Listings

UL listed for both Panic and Fire Exit Hardware. Windstorm rated with M107 option.

Bar Length/Door Width

- Easily field cut to size.
- Standard: 36" (914mm) bar fits 34"- 36" (762mm-914mm) door.
- Optional: 48" (1219mm) bar fits 36"-48" (914mm-1219mm) door; specify W048.

Electrical Specifications

24VDC (BPS-24-1) regulated/filtered power supply. Requires 1A per device

Motor Driven Latch Retraction

- .65A amp max during retraction .2 amp holding-continuous duty
- Device bolts remain retracted for as long as the device is energized. Removal of power returns the device to the life safety, self-latching mechanical mode.
- Interface with central or local fire alarm system, automatic door operators, access control systems, security alarm systems, and blow open door systems.
- Amount of rail retraction is automatically controlled by controller PC board; system actively monitors position and speed and adjusts itself.

Timer

Digital retraction timer (0-20 seconds) or set to power mode for access control systems.

Hinges

Standard electric hinge. No special power transfer required.
Note: This feature is not available with Electric Dogging (M97) or delayed egress (D) on the same device

Warranty

5 years

How to Order

Specify Quick Code MELR.



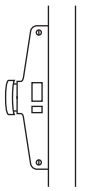
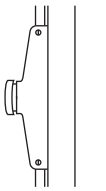
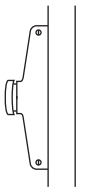
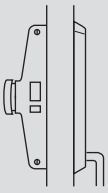
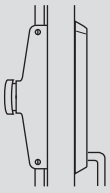
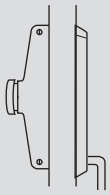
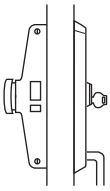
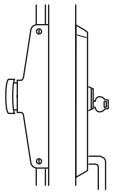
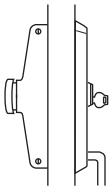
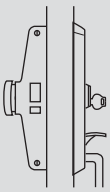
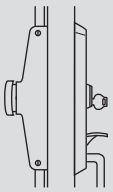
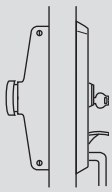
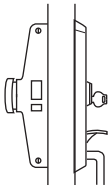
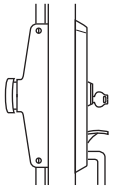
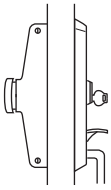
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Functions

ED5000N x Trim x MELR SE LP10 Series Exit Device

SE LP10

Pull and Thumbpiece Trim

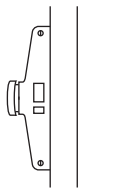
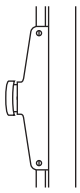
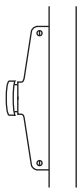
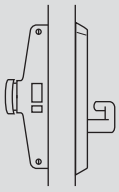
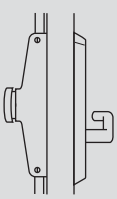
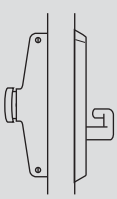
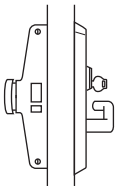
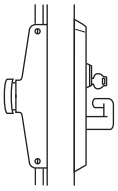
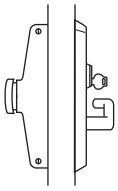
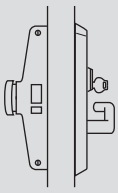
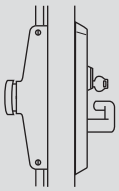
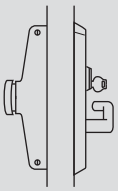
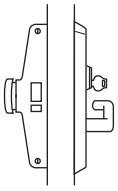
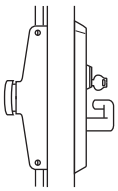
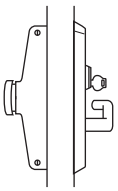
Rim/ SecureBolt® ED5200(A)N ED5200S(A)N		Surface Vertical Rod ED5400(A)N ED5470(B)N		Concealed Vertical Rod ED5800(A)N ED5860(B)N		Type	ANSI No.	Function Description
Inside	Outside	Inside	Outside	Inside	Outside			
						**Exit Only**	01	Exit only; no trim.
						**Dummy**	02	Entrance by trim when actuating bar is dogged down.
						**Nightlatch**	03	Entrance by trim when latchbolt is retracted by key.
						**Classroom***	08	Entrance by thumbpiece. Key locks or unlocks thumbpiece.
						**Storeroom (Thumbpiece Active)**	06	Entrance by thumbpiece only when released by key. Key removable only when locked.

**Classroom function trims can be converted to Storeroom function by a simple field adjustment.*

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45393-2/19

Lever and Knob Trim

Rim/ SecureBolt® ED5200(A)N ED5200S(A)N		Surface Vertical Rod ED5400(A)N ED5470(B)N		Concealed Vertical Rod ED5800(A)N ED5860(B)N		Type	ANSI No.	Function Description
Inside	Outside	Inside	Outside	Inside	Outside			
						**Exit Only**	01	Exit only; no trim.
						**Dummy**	02	Entrance by trim when actuating bar is dogged down.
						**Nightlatch**	03	Entrance by trim when latchbolt is retracted by key.
						**Classroom***	08	Entrance by knob or lever. Key locks or unlocks knob or lever.
						**Storeroom (Grip Active)**	09	Entrance by knob or lever only when released by key. Key removable only when locked.

**Classroom function trims can be converted to Storeroom function by a simple field adjustment.*

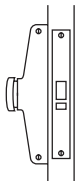
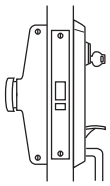
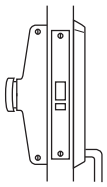
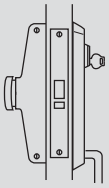
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Mortise Functions

ED5000N x Trim x MELR SE LP10 Series Exit Device

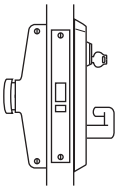
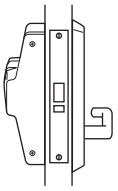
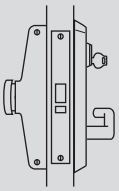
SE LP10

Exit Only, Pull and Thumbpiece Trim

Mortise ED5600L ED5600AL Inside Outside	Type	ANSI No.	Function Description
	**Exit Only**	01	Exit only; no trim.
Mortise ED5600T ED5600AT Inside Outside	**Type**	**ANSI No.**	**Function Description**
	**Classroom**	05	Entrance by thumbpiece. Key locks or unlocks thumbpiece. Specify Thumbpiece - ED5600T or ED5600AT.
Mortise ED5657T ED5657AT Inside Outside	**Type**	**ANSI No.**	**Function Description**
	**Dummy**	02	Entrance by trim when actuating bar is dogged down. Specify ED5657T or ED5657AT.
	**Nightlatch**	03	Entrance by trim when latchbolt is retracted by key. Key removable only when locked. Specify ED5657T or ED5657AT.

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Lever and Knob Trim

Mortise ED5600L ED5600AL ED5600K ED5600AK Inside Outside	Type	ANSI No.	Function Description
	**Classroom****	08	Entrance by knob or lever. Key locks or unlocks knob or lever.
Mortise ED5657L ED5657AL ED5657K ED5657AK Inside Outside	**Type**	**ANSI No.**	**Function Description**
	**Dummy***	02	Entrance by trim when actuating bar is dogged down.
	**Nightlatch****	03	Entrance by trim when latchbolt is retracted by key. Key removable only when locked. Specify ED5657L, ED5657AL, ED5657K, ED5657AK.

**Dummy and passage function trims are the same.*
***Classroom and Nightlatch function trims are the same. Trim function must be specified when ordered with an exit to ensure that the correct lock body is supplied with the device.*

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Electrified Exit Devices

ED5000N x Trim x MELR SE LP10 Series Exit Device SE LP10

Electrically Controlled Heavy-Duty Trim

Electrically controlled trim provides electric locking and unlocking of the 900 Series heavy-duty lever trim. It easily retrofits into existing applications and is ideal for door control.

Advantages

- Available in Fail Safe or Fail Secure operation
- 24VAC/VDC
- Internal rectifier accepts AC or DC voltage
- Free Wheeling lever when locked
- Key override (specify cylinder)
- Plug connector with 4' wire lead (Exit device can be used as the wire raceway)

Applications

- ED5200(A)N Rim
- ED5200S(A)N SecureBolt®
- ED5400(A)N Surface Vertical Rod
- ED5470(B)N Surface Vertical Rod
- ED5800(A)N CVR
- ED5860(B)N CVR

Trim

Utilizes all 900 series trim lever designs including the Muséo® and Vineyard™ Collections

Electrical Specifications

- Solenoid: 330 mA @ 24 volts continuous duty
- Security Monitor Switch (M98): 4 AMP @ 250VAC

Door Thickness

1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Options

- M98 – Security Monitor. A SPDT switch that monitors the position of the solenoid (lock and unlock status).
- M99 – Trim gasket for exterior applications.

Cylinder

Cylinder not included unless specified. See Quick Codes, page 48.



Electrically Controlled Heavy-Duty Trim

Functions

Fail Safe
The x9903 trim is locked when power is on and unlocked when power is off.

	Function Description
x9903 (Fail Safe)	• Lever is locked when power is on (Free Wheeling)
	• Power off allows entry from trim
	• Inside device is always active for egress
	• Mechanical key override (09 Function – Key allows lever to retract latch bolt. Key can only be removed in locked position.)

Fail Secure
The x9905 trim is locked when power is off and unlocked when power is on.

	Function Description
x9905 (Fail Secure)	• Lever is locked when power is off (Free Wheeling)
	• Power on allows lever activation for entry
	• Inside device is always active for egress
	• Mechanical key override (09 Function – Key allows lever to retract latch bolt. Key can only be removed in locked position.)

x = Lever trim design - Standard, Vineyard™ and Muséo®

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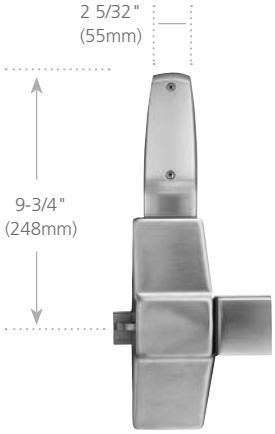
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Escutcheons & Electrical Specifications

SE LP10

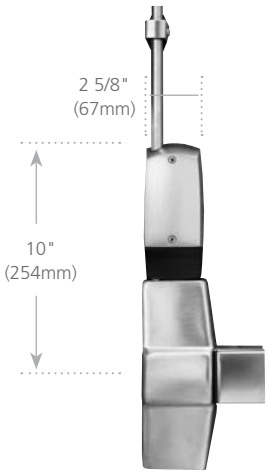
ED5000N x 9600 SE LP10 Series Exit Device





Inside of Door

Rim/SecureBolt®, mortise and concealed vertical rod



Inside of Door

Surface vertical rod

*** U.S. Patent D601,001S; D601,002S; D601,003S; D602,762S**

Reader

- Operating temperature
  -31°F (-35°C) to 150°F (65°C)
- LEDs indicate valid/invalid credential

ED5000N x 9600 x SELP10

Electrical Specifications:

- Reader requires 12 volts direct current
- Reader Draw = 150mA @12VDC / 24VDC

Inside Escutcheon*

- Solid casting
- Operating temperature
  -40°F (-40°C) to 135°F (57°C)

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Lever Trim Design

ED5000N x 9600 SE LP10 Series Exit Device

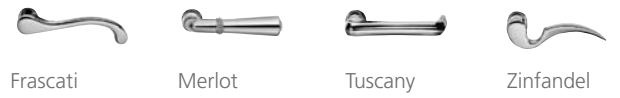
SE LP10

Standard

		ED5400 x 9S600	ED5800 x 9600	ED5200 x 9600	ED5600 x 9M600
	Armstrong	A9S600	A9600	A9600	A9M600
	Newport	N9S600	N9600	N9600	N9M600
	Princeton	PR9S600	PR9600	PR9600	PR9M600
	Citation	C9S600	C9600	C9600	C9M600
	Dirke	D9S600	D9600	D9600	D9M600
	Essex	E9S600	E9600	E9600	E9M600
	Lustra	L9S600	L9600	L9600	L9M600
	Regis	R9S600	R9600	R9600	R9M600

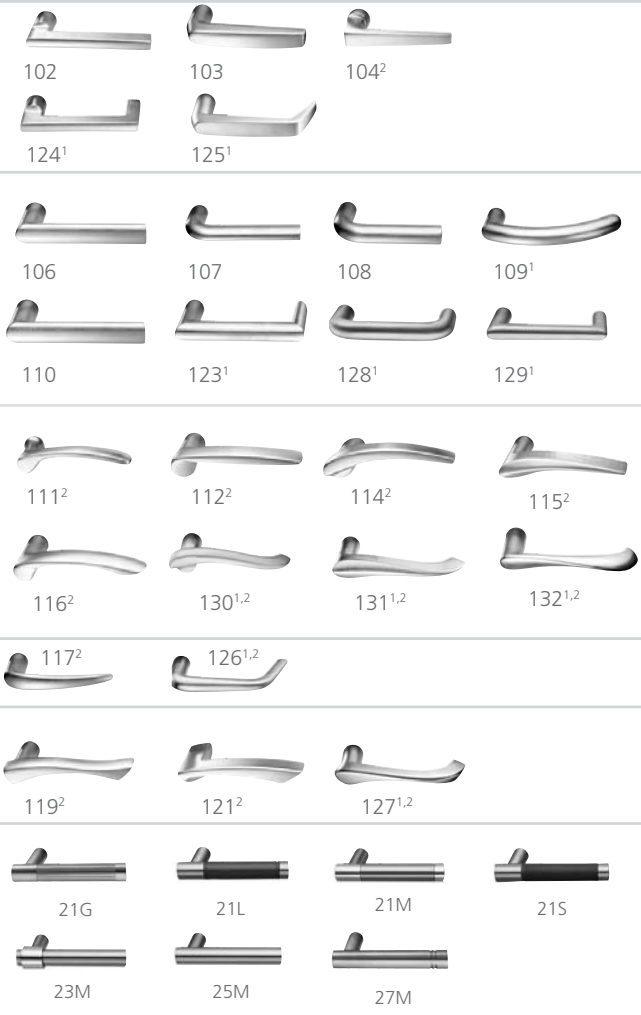


Vineyard™	Frascati	FR9S600	FR9600	FR9600	FR9M600
	Merlot	M9S600	M9600	M9600	M9M600
	Tuscany	TS9S600	TS9600	TS9600	TS9M600
	Zinfandel	Z9S600	Z9600	Z9600	Z9M600



Muséo®

Georgia	102	1029S600	1029600	1029600	1029M600
	103	1039S600	1039600	1039600	1039M600
	104	1049S600	1049600	1049600	1049M600
	124	1249S600	1249600	1249600	1249M600
	125	1259S600	1259600	1259600	1259M600
salvador	106	1069S600	1069600	1069600	1069M600
	107	1079S600	1079600	1079600	1079M600
	108	1089S600	1089600	1089600	1089M600
	109	1099S600	1099600	1099600	1099M600
	110	1109S600	1109600	1109600	1109M600
	123	1239S600	1239600	1239600	1239M600
	128	1289S600	1289600	1289600	1289M600
	129	1299S600	1299600	1299600	1299M600
Marc	111	1119S600	1119600	1119600	1119M600
	112	1129S600	1129600	1129600	1129M600
	114	1149S600	1149600	1149600	1149M600
	115	1159S600	1159600	1159600	1159M600
	116	1169S600	1169600	1169600	1169M600
	130	1309S600	1309600	1309600	1309M600
	131	1319S600	1319600	1319600	1319M600
	132	1329S600	1329600	1329600	1329M600
PABLO	117	1179S600	1179600	1179600	1179M600
	126	1269S600	1269600	1269600	1269M600
JACKSON	119	1199S600	1199600	1199600	1199M600
	121	1219S600	1219600	1219600	1219M600
	122	1229S600	1229600	1229600	1229M600
	127	1279S600	1279600	1279600	1279M600
PIET	21G	21G9S600	21G9600	21G9600	21G9M600
	21L	21L9S600	21L9600	21L9600	21L9M600
	21M	21M9S600	21M9600	21M9600	21M9M600
	21S	21S9S600	21S9600	21S9600	21S9M600
	23M	23M9S600	23M9600	23M9600	23M9M600
	25M	25M9S600	25M9600	25M9600	25M9M600
	27M	27M9S600	27M9600	27M9600	27M9M600



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available in 32D or 32 finish

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Available Trim Options

SE LP10

ED5000N x 9600 SE LP10 Series Exit Device



Grooved Insert 21G



Leather Insert 21L



Polished with Satin Insert 21M



Santoprene™ Insert 21S



With Raised Band 23M



Plain 25M



Plain with Two Grooves 27M

Piet Finish Codes

Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
613E	3E	Dark Oxidized Satin Bronze, Equivalent
BSP	BS	Black Suede Powder Coat
WSP	WS	White Suede Powder Coat
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	303030, 292929, 293029, 302930, 3E003E, BS00BS OR WS00WS
21L	Leather Insert	30BK30, 30BN30, 29BK29, 29BN29, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS OR WSBNWS
21M	Metallic Insert	293029** or 303030
21S	Santoprene Insert	30BK30, 29BK29, 3E003E, BS00BS or WS00WS
23M	Raised Band	290030, 290029, 300030, 300029, 3E003E, BS00BS OR WS00WS
25M	Plain	290029, 300030, 3E003E, BS00BS or WS00WS
27M	Two Grooves	290029, 300030, 3E003E, BS00BS or WS00WS

**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

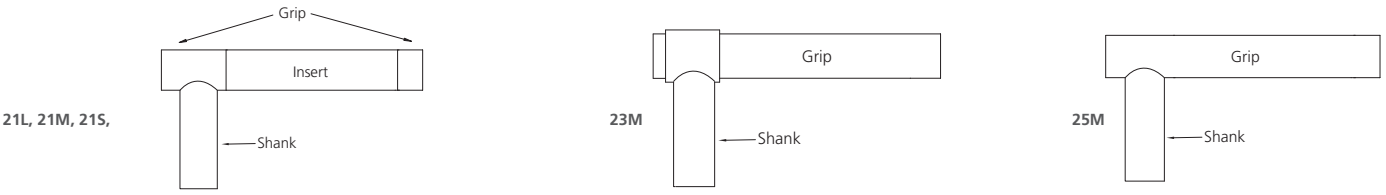
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How to Order

ED5000N x 9600 SE LP10 Series Exit Device

SE LP10

How to Order the Muséo® Piet Lever Collection



Trim Only

Quantity	Trim/ Function	Lever Finish	Lock Finish*	Hand	Required Options			Other Options
					Technology Code	Reader Code	Reader Modifier	Cylinder, Door Thickness
8	21M9603	293029	629	RHR	SELP10	IPS	B03	—

› Muséo® Piet Lever 21M - Polished with Satin Insert x Fail Safe x Cylinder x 24 volts
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 629 Lock Finish
› Right hand reverse
› Standard multiCLASS SE® reader configuration, black

Exit Device with Trim

Quantity	Exit Device	Trim/ Function	Lever Finish	Lock Finish*	Hand	Technology Code	Required Options		Other Options			
							Reader Code	Reader Modifier	Cylinder Option	Door Thickness	Optional Strike	Door Width
2	ED5600LN	21G9M603	292929	629	LHR	SELP10	IPS	B03	6P	D200	SB214	W048

Inside:
› Polished stainless steel finish
› 48" wide door

Outside:
› Key Override
› Left hand reverse
› Standard multiCLASS SE® reader configuration, black
› 6 pin cylinder
› 2-1/4" thick door

** Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.*

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Ordering Examples

Exit Device Only

Quantity	Trim/Function	Technology Code	Finish	Hand
12	ED5200N	SELP10	626	RHR

› Rim exit device for use with *SE LP10* trim
› Satin chrome finish
› Right hand reverse
› Standard length: 36"

Trim Only

					Required Options		
Quantity	Trim/Function	Finish	Hand	Technology Code	Reader Code	Reader Modifier	Voltage
24	N9610	625	RHR	SELP10	IPS	B03	24AD

› Newport Lever x Fail Safe x No Cylinder x 24 volts
› Bright chrome finish
› Right hand reverse
› Standard multiCLASS SE® reader configuration, black

Exit Device with Trim

						Required Options			Other Options			
Quantity	Exit Device	Trim/Function	Finish	Hand	Technology Code	Reader Code	Reader Modifier	Voltage	Cylinder Option	Door Thickness	Optional Strike	Door Width
65	ED5600ALN	FR9M603	605	LHR	SELP10	IPS-03	B03	24AD	6P	D214	SB214	W048

Inside:
› Exit Device for use with Mortise x Lever
› 3-Hr Fire
› Polished brass finish
› 48" wide door

Outside:
› Vineyard™ (Frascati) Lever x Fail Safe trim
› Key Override
› Polished brass hardware finish
› Left hand reverse
› Standard multiCLASS SE® reader configuration, black
› 6 pin cylinder
› 2-1/4" thick door

MELR Exit Device

						Required Options			Other Options				
Quantity	Exit Device	Trim/ Function	Finish	Hand	Technology Code	Reader Code	Reader Modifier	Voltage	Cylinder Option	Door Thickness	Optional Strike	Door Width	Function
65	ED5600ALN	FR9M603	605	LHR	SELP10	IPS-03	B03	24AD	6P	D214	SB214	W048	MELR

Contract/Detailed Order - Rim Exit Device with Trim

							Required Options			Other Options	
Quantity	Keyset	Exit Device	Trim/Function	Finish	Hand	Technology Code	Reader Code	Reader Modifier	Voltage	Door Width	Cylinder Option
36	AA1	ED5200N	1149605	626	LHR	SELP10	FIPS	B03	24AD	W048	7P

Inside:
› Rim Exit Device
› Satin chrome
› 48" wide door

Outside:
› Muséo® - 114 Lever x Fail Secure trim
› Key Override
› Satin chrome hardware finish
› Left hand reverse
› PIV compatible 200 bit reader configuration, black
› 7 pin cylinder

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Sold through:
Authorized Channel Partner
ASSA ABLOY

How to Order

ED5000N x 9600 SE LP10 Series Exit Device

SE LP10

Exit Devices

Exit Device	Function	Trim				Finish	Hand
		Standard	Muséo®:		Vineyard™		
ED5200(A)N	9610 x SELP10					605	RHR
ED5200S(A)N	9603 x SELP10	A	102	122	FR	606	LHR
	9630 x SELP10	N	103	123	M	611	
	6905 x SELP10	PR	104	124	TS	612	
		C	106	125	Z	613	
ED5400(A)N	9S610 x SELP10	D	107	126		618	
ED5470N	9S603 x SELP10	E	108	127		619	
	9S630 x SELP10	L	109	128		625	
	9S605 x SELP10	R	110	129		626	
			111	130		626C	
ED5600(A)LN	9M610 x SELP10		112	131		629	
	9M603 x SELP10		113	132		630	
	9M630 x SELP10		114	21L*		630C	
	9M605 x SELP10		115	21M*		722	
			116	21S*			
ED5800N	9610 x SELP10		117	23M*			
ED5860N	9603 x SELP10		119	25M*			
	9630 x SELP10		121				
	9605 x SELP10						

*See page 32 for trim and finish options for the Muséo® Piet Lever Collection.

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613[1]
Dark Oxidized Satin Bronze - Equivalent	613E
Dark Oxidized Satin Bronze, Clear Coated	613L
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Bright Stainless Steel	629[3]
Satin Stainless Steel	630[3]
Satin Stainless Steel with MicroShield®	630C
Black Oxidized Bronze, Oil Rubbed	722[2]
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

[1] New, March 2007
[2] Formerly 613 prior to March 2007
[3] Escutcheon finished to match 629, 630 finish

ED5000N x SELP10

	Inside Push Pad	Outside Reader Trim
R/S	ED5200N	9600
Mortise	ED5600N	9M600
CVR	ED5800N	9600
SVR	ED5400N	9S600

Reader Code

Description	Specify
Standard multiCLASS SE	IPS
HID Mobile Access®-ready and Bluetooth Smart capable	BIPS
PIV compatible	FIPS

Reader Modifier

Description	Specify
Black reader; IPS/BIPS: standard indicator configuration, FIPS: 200 bit output	B03
Black reader; FIPS 75 bit output	B04

For lever and trim options see pages 32-33
For all quick codes see pages 47-50

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Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx standardized plug-in connectors and color-coded wiring system.

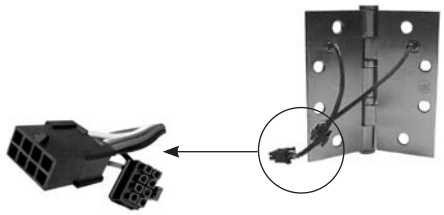
With ElectroLynx, doorway components come pre-wired for easy hookup to the power source. Key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx:
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect SE LP10 Series hardware to the electronic access control system, the following items are required:
- *SE LP10* mortise or cylindrical lock, or exit device
- ASSA ABLOY Door Group pre-wired door, or ElectroLynx retrofit cable (order from McKinney)
- Electronic transfer device (ElectroLynx electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKinney)
- ElectroLynx cable from the hinge to above the ceiling (order from McKinney)

Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

McKinney QC12 ElectroLynx Hinges (or McKinney EL-EPT) are recommended for *Access 600* RNE1 and SE LP10 Applications



Weatherseal Gasketing

- Gaskets provide sealing between escutcheons and door for exterior applications
- Gasketing and conduit recommended for use on non-fire rated exterior applications only
- To order separately, specify gasket part number(s) on page 37.

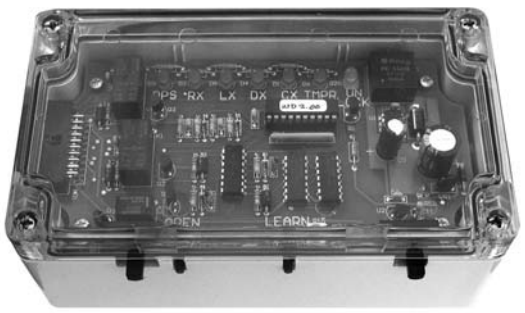
Wiegand Test Unit

Designed for use with the Corbin Russwin Access 600® RNE1 and SE LP10 Integrated Wiegand locks, the ASSA ABLOY Wiegand Test Unit is a user-friendly product demonstration tool that allows you to highlight important features and access control capabilities.

Ideal for troubleshooting, the Wiegand test unit checks for:
- Proper wiring
- Card reader data integrity
- Lock functionality including lock/unlock, door position and REX

Feature	WT1	WT2
12 or 24VDC lock voltage adjustable	X	X
Operates as Fail Safe or Fail Secure	X	X
"Learn" mode allows testing of specific cards without programming at the panel level	X	X
Card reader data integrity is validated at test unit	X	X
Works with SE LP10 series products	X	X
Displays detailed Wiegand data, including the hexadecimal string and total bits received		X
Displays measured end-of-line resistor values (if applicable)		X

To order, specify WT1 or WT2



WT1 Wiegand Tester

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Features

FE6600 SE LP10 Multi-Point Locks

The SE LP10 FE6600 Series lock is a multi-point, deadlocking system developed to help protect lives while securing a community shelter and/or safe room entry. Sturdy heavy-duty steel components firmly secure the door within the frame – at top, bottom, and center latch points – fortifying the opening during a windstorm event. The FE6600 Series is UL-listed for FEMA P361 (2015), FEMA P320 (2014) and ICC 500 2014 capable of withstanding severe wind speeds and flying debris. This device consists of concealed vertical rods with top and bottom latching complemented by a mortise lock with a latchbolt and deadbolt at the center of the door and an optional indicator to show the status of the top and bottom latches.

The lever rotation retracts the top bolt, the bottom bolt, and center bolts simultaneously. When retracted, the bolts are held in position as the door swings. As the door closes, the hold-back feature engages the frame and the top, center, and bottom bolts project simultaneously. With the deadbolt thrown, this system protects room occupants from threatening conditions. The FE6600 Series device can be used on fire-rated doors.

Featuring EcoFlex™ Technology*

- Reduces energy consumption up to 96%, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Lock operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

Patent pending

Monitoring Features

- Secure door position monitors latchbolt and door position in series

Handing

- Handed; quick reversibility
- The lockset can be re-handed without disassembling the lock body

Door Thickness

- 1-3/4" (44mm) standard

Backset

- 2-3/4" (70mm)

Lockcase

- Heavy-gage chrome plated steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm)

Front

- Heavy-gage steel, 8" (203mm) x 1-1/4"(32mm) x 3/32" (2mm) Accommodates non-beveled and beveled doors

Armored Front

- Wrought brass, bronze or stainless steel attached by machine screws to lockcase front

Latch

- Patented, quick, reversible 2-piece mechanical with anti-friction insert 5/8" (16mm) x 1" (25mm) x 3/4" (19mm)
  U.S. Patent #6,349,982

Auxiliary Latchbolt

- 9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking

Deadbolt

- One-piece stainless steel, 19/32" (15mm) x 1-1/4"(32mm) x 1" (25mm) throw
- Standard trim is through bolted, not free floating
- Muséo® trim is not through bolted, free floating

Hub

- Steel, 5/16" (8mm)

Strike

- Wrought brass, bronze or stainless steel ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center

Installation

- Concealed vertical assembly (rods, latches and cassette) pre-installed in door

Warranty

- 7-year limited mechanical
- 2-year limited electrical

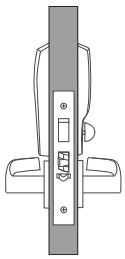
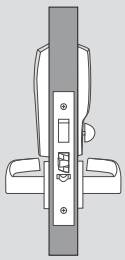
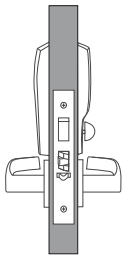
ANSI

- Meets A156.37, Grade 1 requirements
- Meets A117.1 Accessibility Code
- Meets A156.25 requirements

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FE6600 SE LP10 Multi-Point Locks

Outside Inside	Series/Function	Type	Function Description
	FE66609 x SELP 10 x SAF Fail Safe No Key Override With Deadbolt	Entry With Deadbolt	• Fail Safe - Power off unlocks outside trim • Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when valid user credential presented • Turnpiece inside extends and retracts deadbolt • Request to exit and secure door position monitor are standard
	FE66609 x SELP 10 x SEC Fail Secure No Key Override With Deadbolt	Entry With Deadbolt	• Fail Secure - Power off, trim outside is locked • Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when valid user credential presented • Turnpiece inside extends and retracts deadbolt • Request to exit and secure door position monitor are standard
	FE66608 x SE LP10 x SEC Fail Secure Key Override With Deadbolt	Entry With Deadbolt	• Fail Secure - Power off, trim outside is locked • Key outside retracts deadbolt. Key outside also retracts latch and unlocks outside when trim is locked electronically • Top and bottom rods retracted by lever • Deadbolt projected and retracted by thumbturn or key

Certification/Compliance

ANSI

- Meets A156.37, Operational Grade 1 and Security Grade 1 requirements.
- Meets A117.1 Accessibility Code.
- Meets A156.25 requirements.
- UL /ULC-UL10C Positive Pressure
- All locks listed for A label and lesser class doors, 4' (122cm) x 8' (305cm) single or 8' (244cm) x 8' (305cm) pair. Letter F and UL symbol on armored front indicate listing.

Windstorm Certification

- Windstorm certification information is listed in the Corbin Russwin FE6600 Series catalog.
- Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations orwarranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

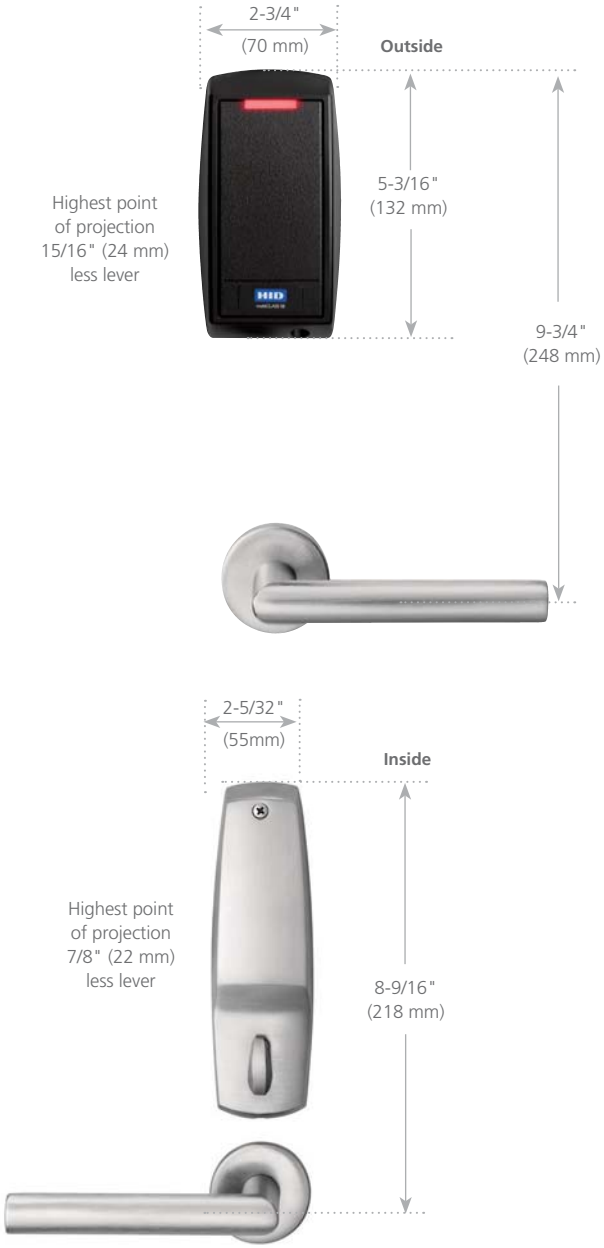
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Electrical Specifications

FE6600 SE LP10 Multi-Point Locks



Reader:

- Highest point of projection 15/16" (24 mm) less lever
- Operating temperature -31°F (-35°C) to 150°F (65°C)
- LEDs indicate valid/invalid credentials

Electrical Specifications:

- Reader draw = 200 mA peak, 75 mA average (reader requires 12VDC)
- Actuator draw = 15 mA continuous
- Maximum (2) locks per 1 Amp power supply (1/2 Amp peak current draw)

Inside Escutcheon*

- Solid casting
- Highest point of projection 7/8" (22 mm) less lever
- Operating temperature -40°F (-40°C) to 135°F (57°C)

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High Security Monitoring

FE6600 SE LP10 Multi-Point Locks

FE6600 Series Electrified Multi-Point Lock with High Security Monitoring

The EcoFlex™ electrified mortise lock platform, including SE LP10, is available with internal end-of-line resistors for comprehensive monitoring of the circuit between the access control panel and lock, as well as deadbolt privacy function.

High Security Monitoring Options

- **Internal End-of-Line Monitoring**
  Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

  Select a compatible resistor configuration and add the appropriate quick code to your order string:
  – **R01**: Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision
  – **R03**: Software House compatible 1KΩ/2KΩ resistance supervision
  – **R04**: AMAG compatible 4-state supervision

- **Deadbolt Privacy Function (PHR)**
  – Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.
  – Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower areas
  – To order, add the PHR quick code to your order string (available with deadbolt functions only)

Ordering Examples

Quantity	Series/ Function	Trim	Finish	Hand	Technology Code	Reader Code	Reader Modifier	Fail-Safe/ Fail-Secure	High Security Monitoring Options
2	FE66609	111X	626	RHR	SELP10	IPS	B03	SEC	PHRR01

› FE6600 Mortise Lock x SE LP10 x No Cylinder x Deadbolt x Fail-Secure
› Muséo® lever 111 with X rose
› Satin chrome finish
› Right hand reverse
› HID® multiCLASS SE® reader, standard indicator configuration
› Deadbolt privacy function, Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision

Quantity	Series/ Function	Trim	Finish	Hand	Technology Code	Reader Code	Reader Modifier	Fail-Safe/ Fail-Secure	High Security Monitoring Options
2	FE66609	111X	626	RHR	SE LP10	IPS	B03	SEC	R03

› FE6600 Mortise Lock x SE LP10 x No Cylinder x Deadbolt x Fail-Secure
› Muséo® lever 111 with X rose
› Satin chrome finish
› Right hand reverse
› HID® multiCLASS SE® reader, standard indicator configuration
› Software House compatible 1KΩ/2KΩ resistance supervision

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Available Trim Options

FE6600 SE LP10 Multi-Point Locks

Standard

Lever	A Rose	B Rose	F Rose
Armstrong	ASA	ASB	ASF
Newport	NSA	NSB	NSF
Princeton	PSA	PSB	PSF
Citation	CSA	CSB	CSF
Dirke	DSA	DSB	DSF
Essex	ESA	ESB	ESF
Lustra	LSA	LSB	LSF
Regis	RSA	RSB	RSF



Vineyard™	G Rose
Frascati	FSG
Merlot	MSG
Tuscany	TSG
Zinfandel	ZSG



Muséo®		V Rose	U Rose	T Rose	Y Rose	X Rose	W Rose
Georgia	102	102V	102U	102T	102Y	102X	102W
	103	103V	103U	103T	103Y	103X	103W
	104	104V	104U	104T	104Y	104X	104W
	124	124V	124U	124T	124Y	124X	124W
	125	125V	125U	125T	125Y	125X	125W
Salvador	106	106V	106U	106T	106Y	106X	106W
	107	107V	107U	107T	107Y	107X	107W
	108	108V	108U	108T	108Y	108X	108W
	109	109V	109U	109T	109Y	109X	109W
	110	110V	110U	110T	110Y	110X	110W
	123	123V	123U	123T	123Y	123X	123W
	128	128V	128U	128T	128Y	128X	128W
	129	129V	129U	129T	129Y	129X	129W
Marc	111	111V	111U	111T	111Y	111X	111W
	112	112V	112U	112T	112Y	112X	112W
	114	114V	114U	114T	114Y	114X	114W
	115	115V	115U	115T	115Y	115X	115W
	116	116V	116U	116T	116Y	116X	116W
	130	130V	130U	130T	130Y	130X	130W
	131	131V	131U	131T	131Y	131X	131W
	132	132V	132U	132T	132Y	132X	132W
Pablo	117	117V	117U	117T	117Y	117X	117W
	126	126V	126U	126T	126Y	126X	126W
Jackson	119	119V	119U	119T	119Y	119X	119W
	121	121V	121U	121T	121Y	121X	121W
	127	127V	127U	127T	127Y	127X	127W
Piet	21G	21GV	21GU	21GT	21GY	21GX	21GW
	21L	21LV	21LU	21LT	21LY	21LX	21LW
	21M	21MV	21MU	21MT	21MY	21MX	21MW
	21S	21SV	21SU	21ST	21SY	21SX	21SW
	23M	23MV	23MU	23MT	23MY	23MX	23MW
	25M	25MV	25MU	25MT	25MY	25MX	25MW
	27M	27MV	27MU	27MT	27MY	27MX	27MW



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available with Inspire™ Roseless Trim
3. Not available in 32D or 32 finish

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Available Trim Options

FE6600 SE LP10 Multi-Point Locks



Grooved Insert 21G



Leather Insert 21L



Polished with Satin Insert 21M



Santoprene™ Insert 21S



With Raised Band 23M



Plain 25M



Plain with Two Grooves 27M

Piet Finish Codes

Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
613E	3E	Dark Oxidized Satin Bronze, Equivalent
BSP	BS	Black Suede Powder Coat
WSP	WS	White Suede Powder Coat
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	303030, 292929, 293029, 302930, 3E003E, BS00BS OR WS00WS
21L	Leather Insert	30BK30, 30BN30, 29BK29, 29BN29, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS OR WSBNWS
21M	Metallic Insert	293029** or 303030
21S	Santoprene Insert	30BK30, 29BK29, 3E003E, BS00BS or WS00WS
23M	Raised Band	290030, 290029, 300030, 300029, 3E003E, BS00BS OR WS00WS
25M	Plain	290029, 300030, 3E003E, BS00BS or WS00WS
27M	Two Grooves	290029, 300030, 3E003E, BS00BS or WS00WS

**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

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How to Order

FE6600 SE LP10 Multi-Point Locks

Function

Description	Specify
No key override, with deadbolt	FE66609 x SELP10

Fail-Safe/Fail-Secure Quick Code

Description	Specify
Fail-Safe	SAF
Fail-Secure	SEC

Hand

Description	Specify
Right Hand	RH
Right Hand Reverse	RHR
Left Hand	LH
Left Hand Reverse	LHR

Finish*

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613[1]
Dark Oxidized Satin Bronze - Equivalent	613E
Dark Oxidized Satin Bronze, Clear Coated	613L
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Bright Stainless Steel	629[3]
Satin Stainless Steel	630[3]
Satin Stainless Steel with MicroShield®	630C
Black Oxidized Bronze, Oil Rubbed	722[2]
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

[1] New, March 2007
[2] Formerly 613 prior to March 2007
[3] Escutcheon finished to match 629, 630 finish
*See page 10 for finish options available for the Muséo® Piet Lever Collection.

Reader Code

Description	Specify
Standard multiCLASS SE	IPS
HID Mobile Access®-mobile ready and Bluetooth Smart capable	BIPS
PIV compatible	FIPS

Reader Modifier

Description	Specify
Black reader; IPS/BIPS: standard indicator configuration, FIPS: 200 bit output	B03
Black reader; FIPS 75 bit output	B04

End-of-Line Resistors and Deadbolt Privacy Quick Code

Description	Specify
No End-of-Line Resistors	Blank
Mercury / Lenel 1KΩ/2KΩ	R01
Software House 1KΩ/2KΩ	R03
AMAG 4-State Supervision	R04
Deadbolt Privacy	PHR
Deadbolt Privacy and Mercury / Lenel 1KΩ/2KΩ	PHRR01
Deadbolt Privacy and Software House 1KΩ/2KΩ	PHRR03
Deadbolt Privacy and AMAG 4-State	PHRR04

For all quick codes see pages 47-50

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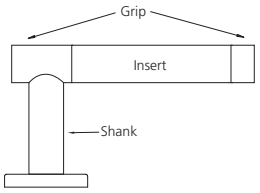
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How to Order

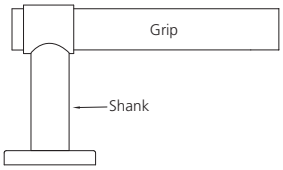
FE6600 SE LP10 Multi-Point Locks

How to Order the Muséo® Piet Lever Collection

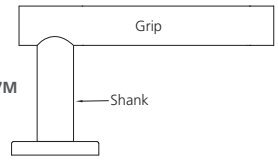
21G, 21L, 21M, 21S



23M



25M, 27M



Stock Order

						Required Options			
Quantity	Function	Trim	Lever Finish	Lock Finish*	Handing	Technology Code	Reader Code	Reader Modifier	Fail Safe/ Fail Secure
2	FE66609	21MV	293029	629	RHR	SELP10	IPS	B03	SEC

› FE6600 Multi-Point Lock x *SE LP10* x Deadbolt x Fail-Secure
› Muséo® Piet Lever 21M - Polished with Satin Insert – with V rose
› 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
› 629 Lock Finish
› Right hand reverse
› Standard multiCLASS SE® reader configuration, black

Stock Order

						Required Options			
Quantity	Function	Trim	Lever Finish	Lock Finish*	Handing	Technology Code	Reader Code	Reader Modifier	Fail Safe/ Fail Secure
2	FE66609	21GU	292929	629	RHR	SELP10	IPS	B03	SEC

› FE6600 Multi-Point Lock x *SE LP10* x Deadbolt x Fail-Secure
› 629 Lock Finish
› Right hand reverse
› Standard multiCLASS SE® reader configuration, black

** Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.*

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How to Order

FE6600 SE LP10 Multi-Point Locks

Ordering Examples

Stock Order

Quantity	Series/ Function	Trim	Finish	Hand	Technology Code	Required Options		
						Reader Code	Reader Modifier	Fail Safe/ Fail Secure
24	FE66609	111X	626	RHR	SELP10	IPS	B03	SEC

› FE6600 Multi-Point Lock x *SE LP10* x Deadbolt x Fail-Secure
› Muséo® lever 111 with X rose
› Satin chrome finish
› Right hand reverse
› Standard multiCLASS SE® reader configuration, black

Split Trim/Finish Order

Quantity	Series/ Function	Trim		Finish		Hand	Technology Code	Required Options		
		Outside	Inside	Outside	Inside			Reader Code	Reader Modifier	Fail Safe/ Fail Secure
24	FE66609	CSA	CSA	626	606	RHR	SELP10	IPS	B03	SEC

FE6600 Multi-Point Lock x *SE LP10* x Deadbolt x Fail-Secure

Outside:
› Citation lever x wrought rose
› Satin chrome finish
› Right hand reverse
› Standard multiCLASS SE® reader configuration, black

Inside:
› Citation lever x wrought rose
› Satin brass finish

Contract/Detailed Order

Quantity	Series/ Function	Trim	Finish	Hand	Required Options			
					Technology Code	Reader Code	Reader Modifier	Fail Safe/ Fail Secure
24	FE66609	LWA	626	RHR	SELP10	FIPS	B04	SAF

› FE6600 Multi-Point Lock x *SE LP10* x Deadbolt x Fail-Safe
› Lustra lever x wrought A rose
› Satin chrome finish
› Right hand reverse
› PIV compatible 75-bit reader, black

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MP9800 SE LP10 Multi-Point Vertical Rod Locks

Eliminating the need for automatic flushbolts and coordinators, the SE LP10 MP9800 Series provides flexibility, simplicity, strength, durability, aesthetics and innovation. These locks are perfect for a wide variety of applications that do not require panic/exit devices, such as conference rooms, commercial office buildings, convention centers, upscale condominiums and residential applications, medical and educational institutions.

SE LP10 MP9800 Series multi-point locks are offered in a variety of functions for aluminum, wood and metal doors. Single point top latching can also be specified (M55 option), eliminating the bottom strike and the additional installation work required with a bottom bolt. Rods are retracted by dual mounted controls offering wide a variety of functions.

The MP9800 Series is available for fire rated wood or metal doors.

Featuring EcoFlex® Technology*

- Reduces energy consumption up to 95%, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Lock operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

*Patent pending

Features

Handing
Handed

Doors*
Metal doors, 1-3/4" (44mm) door thickness standard (STD), 4-1/2" minimum stile, 2-1/4" backset (STD).

Aluminum doors, 1-3/4" (44mm) door thickness (STD), 1-7/8" minimum stile, 7/8" backset (STD) for double doors, 1-1/8" backset for single doors.

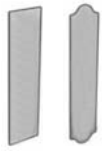
Wood doors, 1-3/4" (44mm) door thickness standard, 4-1/2" minimum stile, 2-1/4" backset standard.

Mounting
Supplied fasteners are for all doors with through-bolts for trim.

Latching
Top and Bottom or Top only (M55).

Trim
Features EcoFlex™ technology. Available with all lever designs. Auxiliary Control offers cylinder override for 01, 40, 50, 903 & 905 functions.

MPER and MPES controls are standard controls with back plates
- Mounted between the trim and the door
- Required for wood doors
- Optional for metal doors
- May be used to cover existing door preps


MPER MPES

Top and Bottom Bolts
Stainless steel top and bottom bolt travels 7/16" (11mm). Projection adjustable up to 1" (25mm).

Strikes
See page 60.

Cylinder
See cylinder options page 58.

Applications
Pairs of doors that do not require panic devices

When flush bolts are not permitted in:
- Assembly
- Education
- Healthcare
- Hazard Occupancy

Single doors that do not require a panic device with power operators

Thermal Pins
MP9800A x M55: supplied with ONE thermal pin per fire-rated lock, for installation on pairs of fire-rated doors.

Key Override/Auxillary Control
AUX15 Series Auxillary Control offers key override for SE LP10 MP9800 Series.

Available functions are 55 & 59

Supplied with a Corbin Russwin mortise cylinder.

To order, add AUX155 or AUX159 to the order string after hand description.

Warranty
5 year.

Certification/Compliance

ANSI
Meets A117.1 Accessibility Code.

UL /cUL
Three-hour fire-rated locks listed as fire hardware for A label and lesser class 8' x 8' double doors; UL symbol on cover indicates listing. Any retrofit or other field modification to a fire-rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA
All fire-rated locks comply with NFPA 80 Fire Doors and Windows.

ADA
Lever trims comply with Americans with Disabilities Act.

***NOTE:** Must specify MPAD or MPWD when ordering

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Functions

MP9800 SE LP10 Multi-Point Vertical Rod Locks

Available Function Combinations:			Outside Function (E)	
			903	905
Passage only (no cylinder)	Inside Function (N)	10	X	X
Classroom (key unlocks/locks trim)		45	X	X
Storeroom (key unlocks trim, trim relocks when key is removed)		49	X	X
Electrified Trim - Fail Safe (no cylinder)		***(903)***		
Electrified Trim - Fail Secure (no cylinder)		***(905)***		

Note: 903 and 905 are not available as inside functions, except in special requests. The italicized lines are for reference only.

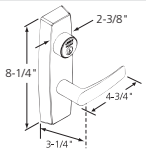
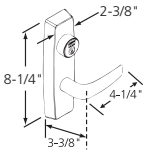
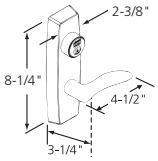
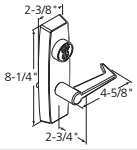
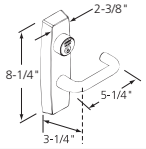
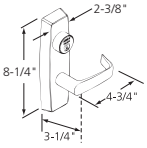
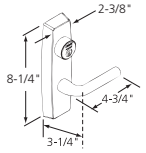
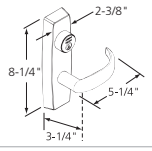
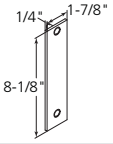
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MP9800 SE LP10 Multi-Point Vertical Rod Locks

Features:

- Beveled edges
- 5-year limited warranty

Note: Must designate E for exterior function or N for interior function when specifying order.

Pull Trim Design			Trim Designation
	**Armstrong** Lever: Cast Escutcheon: Forged		A
	**Citation** Lever: Cast Escutcheon: Forged		C
	**Dirke** Lever: Cast Escutcheon: Forged Handed: Specify RHR or LHR		D
	**Essex** Lever: Cast Escutcheon: Forged		E
	**Lustra** Lever: Cast Escutcheon: Forged		L
	**Newport** Lever: Cast Escutcheon: Forged		N
	**Regis** Lever: Cast Escutcheon: Forged		R
	**Princeton** Lever: Cast Escutcheon: Forged		PR
	**Blank Escutcheon Plate** **01**		01

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Trim

MP9800 SE LP10 Multi-Point Vertical Rod Locks

Muséo Collection trim is available in a broad array of designs and finishes.
All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.CorbinRusswin.com to mix and match styles and finishes.

Note: Must designate E for exterior function or N for interior function when specifying order.

Muséo®

Georgia								
	102	103	104[3]	124[1]	125[1]			
Salvador								
	106	107	108	109	110	123[1]	128[1]	
Marc								
	111[3]	112[3]	114[3]	115[3]	116[3]	130[1,3]	131[1,3]	132[1,3]
Pablo								
	117[3]	126[1,3]						
Jackson								
	105[3]	119[3]	121[3]	127[1,3]				
Piet*								
	21G	21L	21M	21S	23M	25M	27M	
Joseph[2]								
	133	134[2]	135	136[1]	137	138[1]		
Georges								
	139	140	141	142	143			

1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. 135-138 contain white or black polycarbonate inserts
3. Not available in 32D or 32 finish

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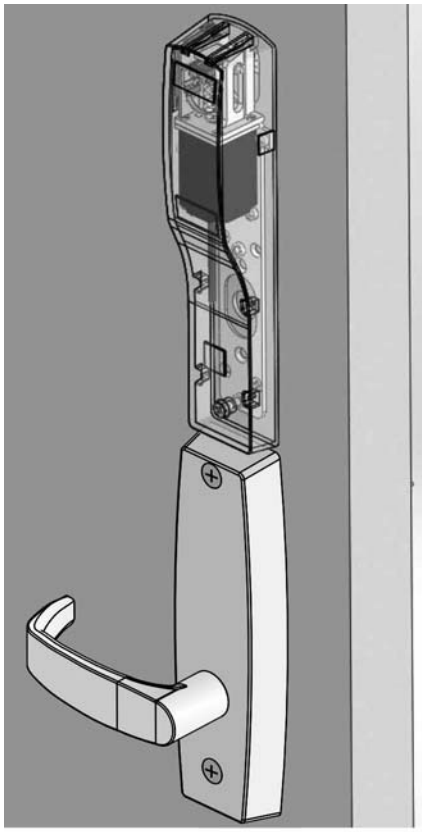
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Motorized Electric Latch Retraction Option (MELR)

MP9800 SE LP10 Multi-Point Vertical Rod Locks

Corbin Russwin's Motorized Electric Latch Retraction (MELR) is the perfect choice for high traffic doors that require access control. This non-handed module is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner.

The MELR can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The lock can be dogged continuously on fire-rated locks that are tied into the building's fire detection system.



Motorized Electric Latch Retraction Features

- 5 year warranty
- Patent pending
- Field serviceable - modular design
- Motor-driven latch retraction for smooth, precise operation
- Amount of latch retraction is automatically controlled by the MELR circuitry; System actively monitors its position and adjusts itself
- Digital retraction timer (0-20 seconds; factory setting is 0)
- Standard electric hinge - no special power transfer required
- Can be used for continuous and intermittent use
- UL Listed for Class II Circuitry
- Power Requirements: 12VDC regulated/filtered power supply (3500 Series)
- Current draw:
  - SE LP10 Reader: (12VDC) 200mA
  - MELR Module (12VDC): 850mA during retraction & 250mA maintained in dogged position
- Available for MP9800 series only
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements

Optional Accessories

- Power Supply (BPS)
- Keyswitch (MKA)
- Keypad (DK-12)
- Door Status Switch (708F989)
- Push Button Switch (PB2)

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MELR Function Combinations & Electrical Options

MP9800 SE LP10 Multi-Point Vertical Rod Locks

Available Function Combinations When Used With an MELR option			Inside Function (N)					
			10	45*	49*	52	55*	59*
Blank Escutcheon Plate	Outside Function (E)	01	X	X	X		X	X
No outside Operation (No Cylinder); Pull Only		40+	X	X	X		X	X
Class Room Key Outside Unlocks/locks Trim		45	X	X	X		X	X
Key unlocks Trim; Trim retracts latch; Trim relocks when key is removed		49	X	X	X		X	X
Freewheeling Trim; No Outside Operation		50	X	X	X		X	X
Key outside unlocks/locks O/S trim; Key inside unlocks/locks O/S trim		52				X		
Freewheeling Trim; Key Outside Unlocks/locks Trim		55	X	X	X		X	X
Freewheeling Trim; Key unlocks Trim; Trim retracts latch/Trim relocks when key is removed		59	X	X	X		X	X

* Not recommended for use on any door used for Leif Safety egress
+ Rigid lever

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How to Order

MP9800 SE LP10 Multi-Point Vertical Rod Locks

Function

Description	Specify
No key override, with deadbolt	MP9800 x SELP10

Fail-Safe/Fail-Secure Quick Code

Description	Specify
Fail-Safe	SAF
Fail-Secure	SEC

Hand

Description	Specify
Right Hand	RH
Right Hand Reverse	RHR
Left Hand	LH
Left Hand Reverse	LHR

Door Thickness

Description	Specify
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

Door Height

Description	Specify
7'0"	(standard)
7'2"	H0702
7'6"	H0706
8'0"	H0800
9'0"	H0900
10'0"	H1000

Finish*

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613[1]
Dark Oxidized Satin Bronze - Equivalent	613E
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Bright Stainless Steel	629[3]
Satin Stainless Steel	630[3]
Satin Stainless Steel with MicroShield®	630C
Black Oxidized Bronze, Oil Rubbed	722[2]
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

[1] New, March 2007
[2] Formerly 613 prior to March 2007
[3] Escutcheon finished to match 629, 630 finish

Reader Code

Description	Specify
Standard multiCLASS SE	IPS
HID Mobile Access®-mobile ready and Bluetooth Smart capable	BIPS
PIV compatible	FIPS

Reader Modifier

Description	Specify
Black reader; IPS/BIPS: standard indicator configuration, FIPS: 200 bit output	B03
Black reader; FIPS 75 bit output	B04

Miscellaneous Options

Description	Specify
Torx® head screws	M04
Knurling outside and inside	M20
Knurling outside only	M21
Knurling inside only	M22
Abrasive coat outside and inside	M23
Abrasive coat inside only	M24
Abrasive coat outside only	M25
Less bottom vertical rod	M55
Windstorm	M107
Aluminum Door	MPAD*
Rectangular Back Plate *(Required for Wood Door - MPWD)*	MPER
Back Plate *(Required for Wood Door - MPWD)*	MPES
Lever Hold Back	MPHB
Wood Door	MPWD*
Aux Control (Classroom)	AUX155
Aux Control (Storeroom)	AUX159

For all quick codes see pages 47-50

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How to Order

MP9800 SE LP10 Multi-Point Vertical Rod Locks

Ordering Examples

Contract/Detailed Order - Standard MP9800

										Required Options		
Quantity	Series/ Function	Trim/Exterior Function	Trim/Interior Function	Finish	Hand	Door Thickness	Door Height	Misc. Options	Voltage	Technology Code	Reader Code	Reader Modifier
2	MP9800	DE905	DN10	626	LHR	D214	H0800	M55	12AD	SELP10	IPS	B03

› MP9800 Multi-Point Vertical Rod Lock x *SE LP10* x Deadbolt
› Interior Function: Passage only (no cylinder)
› Exterior Function: Electrified Trim, Fail Secure
› Satin chrome finish
› Left hand reverse
› multiCLASS SE credentials
› Standard black reader

Contract/Detailed Order - MP9800 with MELR

										Required Options		
Quantity	Series/ Function	Trim/Exterior Function	Trim/Interior Function	Finish	Hand	Door Thickness	Door Height	Misc. Options	Voltage	Technology Code	Reader Code	Reader Modifier
2	MP9800	DE49	DN10	626	LHR	D214	H0800	MELR	12AD	SELP10	IPS	B03

› MP9800 Multi-Point Vertical Rod Lock with MELR x SE LP10 x Deadbolt
› Exterior function: Key unlocks trim; Trim retracts latch; Trim relocks when key is removed
› Interior function: Passage only (no cylinder)
› Satin chrome finish
› Left hand reverse
› multiCLASS SE credential support
› Standard black reader

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45393-2/19

Accessories, Parts and Quick Code Index

SE LP10

Hardware

Door Position Switch	708F989

Reader Code

Description	Specify
Standard multiCLASS SE	IPS
HID Mobile Access®-ready and Blue-tooth Smart capable	BIPS
PIV compatible	FIPS

Reader Modifier

Description	Specify
Black reader; IPS/BIPS: standard indicator configuration, FIPS: 200 bit output	B03
Black reader; FIPS 75 bit output	B04

EcoFlex™ Mortise Lock Fail-Safe/Fail-Secure Quick Code

Specify	Description
SAF	Fail-Safe
SEC	Fail-Secure

Gaskets

Part No	Application	Description	Cylindrical	Mortise	Exit Device
794F519	Exterior	Gasket between heavy duty exit trim and door surface	—	—	•

EcoFlex™ Mortise Lock End-of-Line Resistors and Deadbolt Privacy Quick Code

Description	Specify
No End-of-Line Resistors	Blank
Mercury / Lenel 1KΩ/2KΩ	R01
Software House 1KΩ/2KΩ	R03
AMAG 4-State Supervision	R04
Deadbolt Privacy	PHR
Deadbolt Privacy and Mercury / Lenel 1KΩ/2KΩ	PHRR01
Deadbolt Privacy and Software House 1KΩ/2KΩ	PHRR03
Deadbolt Privacy and AMAG 4-State	PHRR04

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Accessories, Parts and Quick Code Index

SE LP10

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Cylinder Options

Part No./Quick Code	Description	Cylindrical	Mortise	Exit Device
6P	Conventional 6-pin	std	std	•
7P	Conventional 7-pin	•	•	•
LC	Less Cylinder(s)	•	•	std
HS	Security	•	•	•
CHS	Security IC	•	•	•
AP	Access 3® Patented	•	•	•
AS	Access 3® Security	•	•	•
AHS	Access 3® High Security	•	•	•
ACP	Access 3® Patented IC	•	•	•
ACS	Access 3® Security IC	•	•	•
ACHS	Access 3® High Security IC	•	•	•
PS	Pyramid Security	•	•	•
PCS	Pyramid Security IC	•	•	•
PHS	Pyramid High Security Fixed Core	•	•	•
PCHS	Pyramid High Security IC	•	•	•
CTP	Pyramid IC with Temporary Construction Core	•	•	•
CLP	Pyramid IC Less Core	•	•	•
C6	IC 6-pin	•	•	•
CT6R	IC 6-pin with Temporary Construction Core (Red)	•	•	•
CT6B	IC 6-pin with Temporary Construction Core (Blue)	•	•	•
CT6G	IC 6-pin with Temporary Construction Core (Green)	•	•	•
CL6	IC 6-pin Less Core	•	•	•
CLS6	SFIC 6-pin with Less Core		•	•
CT6SD	SFIC 6-pin with SFIC disposable temporary core		•	•
CTSD	SFIC 6- or 7-pin Small Format Disposable Core[1]	•		
C7	IC 7-pin	•	•	•
CT7R	IC 7-pin with Temporary Construction Core (Red)	•	•	•
CT7B	IC 7-pin with Temporary Construction Core (Blue)	•	•	•
CT7G	IC 7-pin with Temporary Construction Core (Green)	•	•	•
CL7	IC 7-pin Less Core	•	•	•
CLS7	SFIC 7-pin with Less Core		•	•
CT7SD	SFIC 7-pin with SFIC disposable temporary core		•	•
CTPD	Pyramid Disposable Core	•	•	•
CT6D	6-pin with Disposable Core	•	•	•
CT7D	7-pin with Disposable Core	•	•	•
	0-bitted with 2 Blank Keys	std	std	std
KR	Keyed random	•	•	•
CMK	Construction master keyed	•	•	•
VKC0	Visual Key Control (VKC) - No bitting or keyset stamping on keys	•	•	•
VKC1	Visual Key Control (VKC) - Keys only	•	•	•
VKC2	Visual Key Control (VKC) - Cylinders and Keys (not for HS, CHS, PHS, or PCHS)	•	•	•
VKC3	Visual Key Control (VKC) - Cylinders only (not for HS, CHS, PHS, or PCHS)		•	•
CKC2	Concealed Key Control (CKC) - Cylinders with VKC keys	•	•	•
CKC3	Concealed Key Control (CKC) - Cylinders Only (not for PHS, PCHS)	•	•	•
	2 keys per Lock	std	std	std
KY# (e.g. KY6)	More than 2 keys	•	•	•

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Accessories, Parts and Quick Code Index

SE LP10

Miscellaneous Options

Quick Code	Description	Cylindrical	Mortise	Exit Device
KY# (e.g. KY6)	More than 2 keys	•	•	•
M04	Torx® head screws	•	•	•
M06	Less cylinder, with tailpiece for Schlage® cylinder	•		
M08	Lever to accept Best® type core (NZD & PZD designs only)	•		
M09	Lever to accept Sargent® cylinder (NZD & PZD designs only)	•		
M13	Rounded Corners on latch front	•		
M16	3/4" (19mm) throw fire latch	•		
M17	ANSI wrought strike box	•	•	•
M20	Knurling outside and inside	•	•	•
M21	Knurling outside only	•	•	•
M22	Knurling inside only	•	•	•
M23	Abrasive coat outside and inside	•	•	•
M24	Abrasive coat outside only	•	•	•
M25	Abrasive coat inside only	•	•	•
M69	Lever to accept Schlage® Interchangeable core (NZD & PZD design only)	•		
M54	Sex nuts and bolts (SNBs)			•
M64	Wood screws for use on fire-rated solid wood or wood core doors			•
M109	High Impact End Clamp			•
M110	Flush End Cap			•

Electrified Accessories

BPS-24-1	Power supply 1.0 amp @ 24 VDC output
BPS-24-2	Power supply 2 amp @ 24 VDC output
BPS-24-4	Power supply 4 amp @ 24 VDC output
BPS-12-1	Power supply 1 amp @ 12 VDC output
BPS-12-3	Power supply 3 amp @ 12 VDC output
EPTL	Concealed transfer for over 120° swing doors

Electrified Options for Exit Device

Description	Specify
Motorized Electric Latch Retraction	MELR
Exit Alarm Device (cylinder not included)	M61
Bolt Position Monitoring	M91
Request to Exit/Touchbar Monitoring or Signaling	M92
Outside Trim Monitoring or Signaling	M93
Electric Dogging	M97
Mortise Device Lock with Outside Trim Control (Fail Safe)	SAF*
Mortise Device Lock with Outside Trim Control (Fail Secure)	SEC*
Delayed Egress (15 second delay standard)	D
30 second delay(may be accepted by local jurisdiction) (with "0" option only)	M88
BOCA 15-second delay (with "0" option only)	M89
BOCA 3D-second delay (with "0" option only)	M90
Security Monitor	M98^
Trim Gasket	M99

*Only available with E05600L and 5600(A)L.
^9903/9905 trims only.

Note: 1. Specify M08 for levers to accept SFIC cores; which ship standard with temporary disposable core

• = *available*

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Accessories, Parts and Quick Code Index

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SE LP10

Strikes - ANSI Curved Lip

Specify	Lip to Center	Cylindrical	Mortise	Exit Device
SA100	1" (25mm)	•		
SA118	1-1/8" (29mm)	•		
SA114	1-1/4" (32mm)	•	•	
SA138	1-3/8" (35mm)	•	•	
SA112	1-1/2" (38mm)	•	•	
SA134	1-3/4" (44mm)	•	•	
SA200	2" (51mm)	•	•	
SA214	2-1/4" (57mm)	•	•	
SA212	2-1/2" (64mm)	•	•	
SA234	2-3/4" (70mm)	•	•	
SA300	3" (76mm)	•	•	

Strikes - ANSI Straight Lip

Specify	Lip to Center	Cylindrical	Mortise	Exit Device
SS078	7/8" (22mm)		•	
(standard)	1-1/8" (29mm)		std	
SS114	1-1/4" (32mm)		•	
SS138	1-3/8" (35mm)		•	
SS112	1-1/2" (38mm)		•	
SS134	1-3/4" (44mm)		•	
SS200	2" (51mm)		•	
SS214	2-1/4" (57mm)		•	
SS212	2-1/2" (64mm)		•	
SS234	2-3/4" (70mm)		•	
SS300	3" (76mm)		•	

Open Back Strike

Specify	Door Thickness	Cylindrical	Mortise	Exit Device
SB134	1-3/4" (44mm)		•	•
SB200	2" (51mm)		•	
SB214	2-1/4" (57mm)		•	•
SR118	Rabbeted front and strike		•	

Backset

Specify	Description	Cylindrical	Mortise	Exit Device
standard	2-3/4" (70mm)	•		
B334	3-3/4" (95mm)	•		
B500	5" (127mm)	•		

Door Width

Specify	Description	Cylindrical	Mortise	Exit Device
W024	24" (610mm)			•
standard	36" (914mm)			std
W048	48" (1219mm)			•

Door Thickness - Mortise

Specify	Door Thickness
D138	1-3/8" (35mm)
D134	1-3/4" (44mm)
D178	1-7/8" (48mm)
D200	2" (51mm)
D218	2-1/8" (54mm)
D214	2-1/4" (57mm)

Door Thickness - Cylindrical

Specify	Door Thickness
std	1-3/4" (44mm) to 2" (51mm)
D214	2-1/8" (54mm) to 2-1/4" (57mm)

Door Thickness - Exit

Specify	Door Thickness
std	1-3/4" (44mm)
D200	2" (51mm)
D214	2-1/4" (57mm)

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Corbin Russwin

ASSA ABLOY

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Corbin Russwin
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225 Episcopal Road
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corbinrusswin.com

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ASSA ABLOY Door
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160 Four Valley Drive
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Canada L4K 4T9
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Fax: 800-461-8989
www.assaabloydss.ca

For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

MicroShield™

MicroShield®
As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria. MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

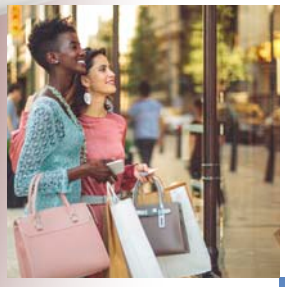
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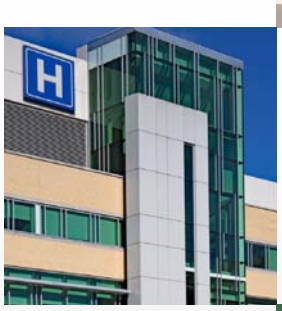
Corbin Russwin

ASSA ABLOY











ED3000 Series

Product Catalog

Experience a safer
and more open world

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ASSA ABLOY

Introduction

ED3000 Series



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ED3000 Series

Applications

Since patenting some of the first exit devices nearly a century ago, Corbin Russwin has met rigorous life safety and security requirements, while offering pleasing aesthetics and trouble-free operation. Designed for applications in high-use, high-abuse situations, ED3000 Crossbar Exit Devices can be teamed with a variety of Corbin Russwin trims to provide desired functions, styles and finishes in new construction and renovations, including:

- Schools and universities
- Health care facilities
- Government and municipal buildings
- Commercial and industrial
- Office and retail complexes
- Transportation facilities
- Hotels and conference centers
- Religious facilities

Advantages

- Heavy-duty construction
- Base metals (brass, bronze and stainless steel) for durability
- Easy-to-use crossbar operation for quick egress and ADA compliance
- Dogging standard on all panic listed devices
- Thru-bolted trims for strength and security
- Wide range of finishes, trims and styles to match other Corbin Russwin products
- Devices available to satisfy panic and fire opening requirements

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Applications and Listings

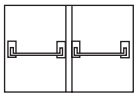
ED3000 Series

UL UL listed as fire exit hardware by Underwriters Laboratories Inc.

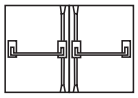
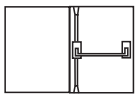
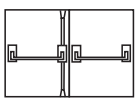
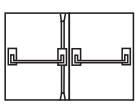
Single Door

	Max. Door Opening	Fire Door Ratings		Application	
		A	B, D		
		3 Hr.	90 Min.		
Rim					
ED3200	4'	Devices are panic listed only.		Surface applied; single point latching.	
ED3200A	4' x 8'	UL	UL		
Vertical Rod					
ED3400	4' x 8'	Devices are panic listed only.		Surface applied; two point latching.	
ED3400A	N/A	Fire ratings do not apply for single door applications.			
Mortise					
ED3600	4'	Devices are panic listed only.		Mortised in door; two point latching.	
ED3600A	4' x 7'2"	UL	UL		

Pair of Doors with Removable Mullion

	Max. Door Opening	Fire Door Ratings		Application	
		A	B, D		
		3 Hr.	90 Min.		
Rim x Rim					
ED3200 x ED3200 x CR907	8' x 8'	Devices are panic listed only.		2 independent, active doors with removable mullion.	
ED3200 x ED3200 x CR910	8' x 10'	Devices are panic listed only.			
ED3200A x ED3200A x CR907	8' x 8'	UL	UL		

Pair of Doors

	Max. Door Opening	Fire Door Ratings		Application	
		A	B, D		
		3 Hr.	90 Min.		
Vertical Rod (Swinging in the Same Direction)					
ED3400 x ED3400	8' x 8'	Devices are panic listed only.		2 independent doors with 2 point latching – overlapping astragal not required	
ED3400A x ED3400A	8' x 8'	—	UL		
Vertical Rod (Swinging in Opposite Directions)					
ED3400 x ED3400	8' x 10'	Devices are panic listed only.		2 independent doors with 2 point latching – overlapping astragal required for 3 hour openings.	
ED3400A x ED3400A	8' x 8'	UL	UL		
Vertical Rod x Mortise					
ED3400 x ED3600	8' x 7'2"	Devices are panic listed only.		Overlapping astragal required for 3 hour openings. Coordinator required with standard strike.	
ED3400A x ED3600A	8' x 7'2"	UL	UL		
Vertical Rod x Rim					
ED3400 x ED3200 x S02	8' x 8'	Devices are panic listed only.		Non-prepped doors only; S02 strike required on inactive door; coordinator recommended.	

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Functions

ED3000 Series

Device with Trim				
Device	Type	ANSI #	Description	Trim Designation*
ED3210, ED3410, ED3610	Passage	14	Free at all times	XX3310
ED3210A, ED3410A, ED3610A	Passage	14	3-hour fire-rated, Free at all times	XX3310
ED3210AT, ED3410AT, ED3610AT	Thumbpiece Passage	15	3-hour fire-rated, Free at all times	T3X10
ED3210T, ED3410T, ED3610T	Thumbpiece Passage	15	Free at all times	T3X10
ED3250, ED3450, ED3650	Dummy/Exit Only	01/02	Always rigid; Exit only	XX3350, T3X50
ED3250A, ED3450A, ED3650A	Dummy/Exit Only	01/02	3-hour fire-rated, Always rigid; Exit only	XX3350, T3X50
ED3255, ED3455, ED3655	Classroom	08	Free at all times except when locked by key	XX3355
ED3255A, ED3455A, ED3655A	Classroom	08	3-hour fire-rated, free at all times except when locked by key	XX3355
ED3255AT, ED3455AT, ED3655AT	Thumbpiece Classroom	05	3-hour fire-rated, free at all times except when locked by key	T3X55, T3XM55
ED3255T, ED3455T, ED3655T	Thumbpiece Classroom	05	Free at all times except when locked by key	T3X55, T3XM55
ED3257, ED3257A	Nightlatch	03	Entrance by trim when latchbolt is retracted by key. Key removable only when locked	XX3357, T3X57
ED3457, ED3457A	Nightlatch	09	Entrance by trim when latchbolt is retracted by key. Key removable only when locked	XX33V57
ED3657, ED3657A	Nightlatch	03	Entrance by trim when latchbolt is retracted by key. Key removable only when locked	XX33M57, T3XM57

*** When ordering a device, the function must be included in the device component of the order string and must match the trim function (e.g. ED3255/A3355). See pages 11-12.**

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ED3200 Series Panic Listed Rim Exit Device
ED3200A Series 3-Hour Fire Listed Rim Exit Device

Features

Handing
Field reversible (ED3200 Series only); specify hand.

Bar Length
Easily field cut to size.
Standard: 36" (914mm) bar fits up to 36" (914mm) door.
Optional: 48" (1219mm) bar fits up to 48" (1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 4-1/8" (105mm).

Latchbolt
3/4" (19mm) pivoted.

Materials
Brass, bronze or stainless steel.

Cases
Heavy wrought, 8-3/8" (213mm) x 2-5/8" (67mm).

Projection
4-1/2" (114mm); 2-3/4" (70mm) depressed.

Crossbar
Standard: round seamless tubing.
Optional: reinforced crossbar; see Quick Codes, page 20.

Dogging
Standard on ED3200 Series devices.
Dogging not available on ED3200A Series devices.

Fasteners
Standard: machine and wood screws.
Optional: sex nuts and bolts or spanner head screws; see Quick Codes, page 20.

Strike
See Options and Accessories, page 14.

Removable Mullion
See Mullions, page 16.

Cylinders
Cylinder not included unless specified. See How to Order, page 19.

Applications and Listings
See page 3.

Warranty
One-year limited.

Certification/Compliance

ANSI
Meets A156.3, Grade 1.
Meets A117.1 Accessibility Code.

C-UL US
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. 3-hour fire-rated devices listed as fire exit hardware for use on 4' x 8' single doors and 8' x 8' double doors. UL symbol on active case cover indicates listing.

Any retrofit or other field modification to a fire-rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA
All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA
Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed
613E	Dark Oxidized Satin Bronze - Equivalent
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield®

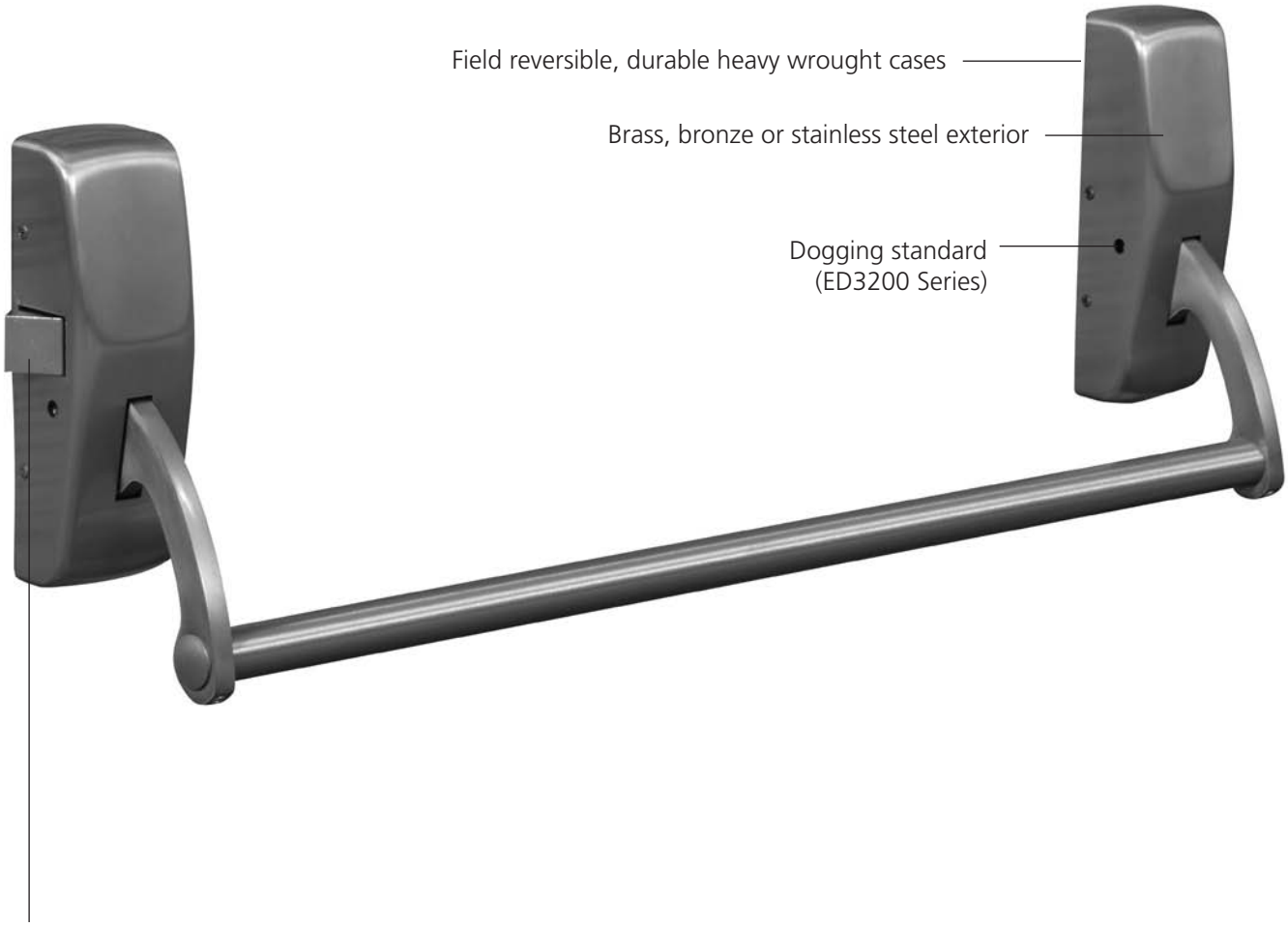
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Rim Exit Features

ED3000 Series

ED3200 and ED3200A Series Rim Exit Devices



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Surface Vertical Rod Exit Features

ED3000 Series

ED3400 Series Panic Listed Surface Vertical Rod Exit Device
ED3400A Series 3-Hour Fire Listed Surface Vertical Rod Exit Device

Features

Handing
Device non-handed (ED3400 Series only); specify hand.

Bar Length
Easily field cut to size.
Standard: 36" (914mm) bar fits up to 36" (762mm-914mm) door.
Optional: 48" (1219mm) bar fits up to 48" (1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 3" (76mm).

Door Height
All top rods easily field cut to size.
Standard: Top rod is for doors up to 8'.
Optional: Top rod for doors up to 10'. See Quick Codes, page 21.

Latchbolt
ED3400 Series devices:
Top: 1/2" throw.
Bottom: 5/8" throw; acts independently, allowing top latch to remain engaged even when bottom latch is not projected.
ED3400A Series devices:
Top: 5/8" throw.
Bottom: 1" throw; acts independently, allowing top latch to remain engaged even when bottom latch is not projected

Latchbolt Operation
Standard on ED3400 and ED3400A Series devices: latchbolts held in retraced position until door closes.

Vertical Rods
1/2" round tubing

Materials
Brass, bronze or stainless steel.

Cases
Heavy wrought, 8-3/8" (213mm) x 2-5/8" (67mm).

Projection
4-1/2" (114mm); 2-3/4" (70mm) depressed.

Crossbar
Standard: round seamless tubing.
Optional: reinforced crossbar; see Quick Codes, page 20.

Dogging
Standard on ED3400 Series devices.
Dogging not available on ED3400A Series devices.

Fasteners
Standard: machine and wood screws.
Optional: sex nuts and bolts or spanner head screws; see Quick Codes, page 20.

Strike
See Options and Accessories, page 14.

Cylinders
Cylinder not included unless specified. See How to Order, page 19.

Applications and Listings
See page 3.

Warranty
One-year limited.

Certification/Compliance

ANSI
Meets A156.3, Grade 2.
Meets A117.1 Accessibility Code.

C-UL US
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. 3-hour fire-rated devices listed as fire exit hardware for use on 4' x 8' single doors and 8' x 8' double doors. UL symbol on active head indicates listing.

Any retrofit or other field modification to a fire-rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA
All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA
Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed
613E	Dark Oxidized Satin Bronze - Equivalent
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield®

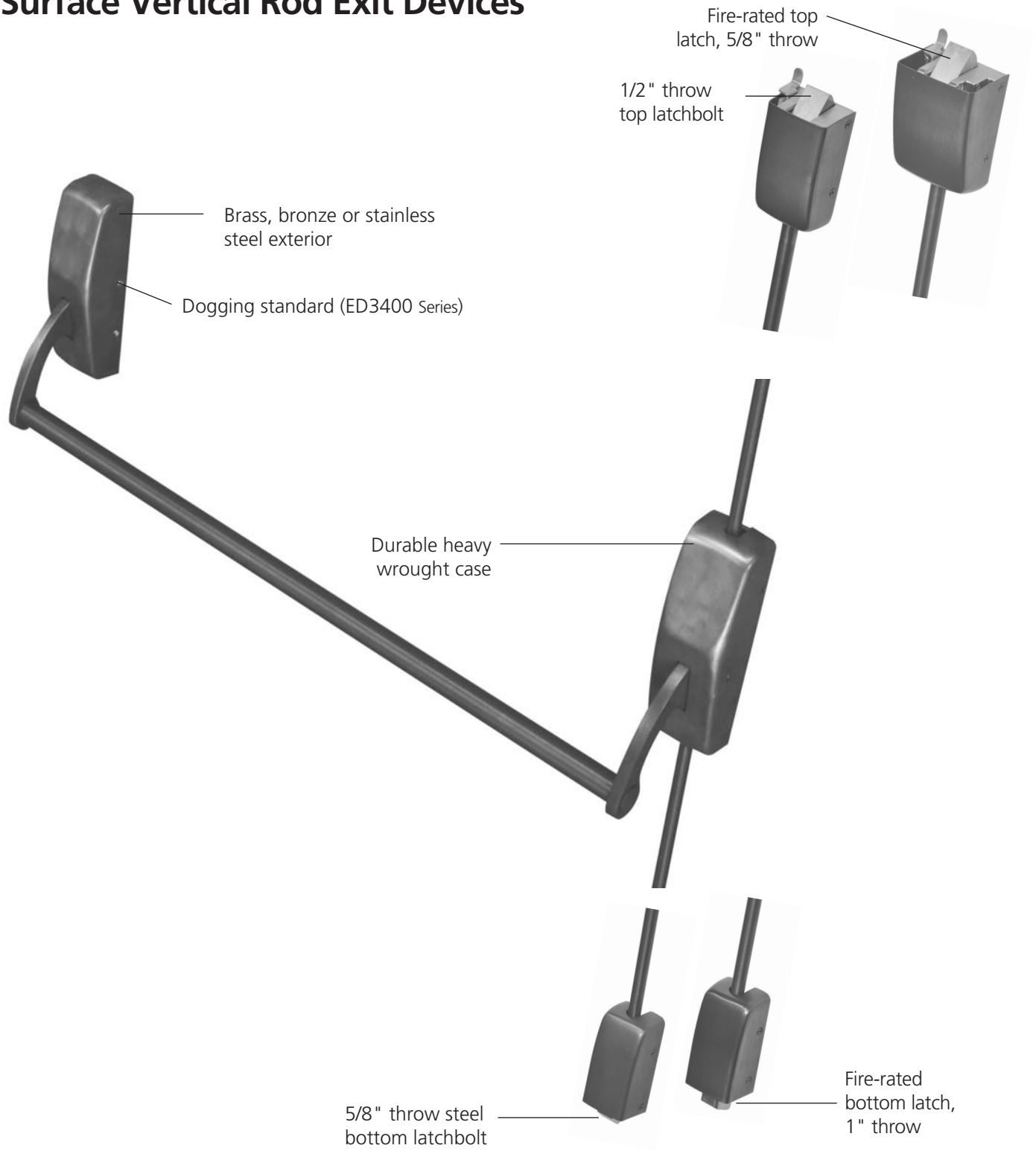
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Surface Vertical Rod Exit Features

ED3000 Series

ED3400 and ED3400A Series Surface Vertical Rod Exit Devices



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ED3600 Series Panic-Listed Mortise Exit Device
ED3600A Series 3-Hour Fire-Listed Mortise Exit Device

Features

Handing
Field reversible; specify hand.

Bar Length
Easily field cut to size.
Standard: 36" (914mm) bar fits up to 36" (762mm-914mm) door.
Optional: 48" (1219mm) bar fits up to 48" (1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 4-1/2" (114mm).

Latchbolt
Brass, 3/4"(19mm) throw.

Auxiliary Latch
Brass.

Front
8" x 1-1/4" (203mm x 32mm) heavy gauge brass.
Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Materials
Brass, bronze or stainless steel.

Cases
Heavy wrought, 8-3/8" (213mm) x 2-5/8" (67mm).

Projection
4-1/2" (114mm); 2-3/4" (70mm) depressed.

Crossbar
Standard: round seamless tubing.
Optional: reinforced crossbar; see Quick Codes, page 20.

Dogging
Standard on ED3600 Series devices.
Dogging not available on ED3600A Series devices.

Fasteners
Standard: machine and wood screws.
Optional: sex nuts and bolts or spanner head screws; see Quick Codes, page 20.

Strike
See Options and Accessories, page 15.

Cylinders
Cylinder not included unless specified. See How to Order, page 19.

Applications and Listings
See page 3.

Warranty
One-year limited.

Certification/Compliance

ANSI
Meets A156.3, Grade 1.
Meets A117.1 Accessibility Code.

C-UL US
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. 3-hour fire-rated devices listed as fire exit hardware for use on 4' x 7'2"' single doors and 8'x7'2" double doors. UL symbol on active head indicates listing.

Any retrofit or other field modification to a fire-rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

California State Reference Code
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NFPA
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ADA
Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

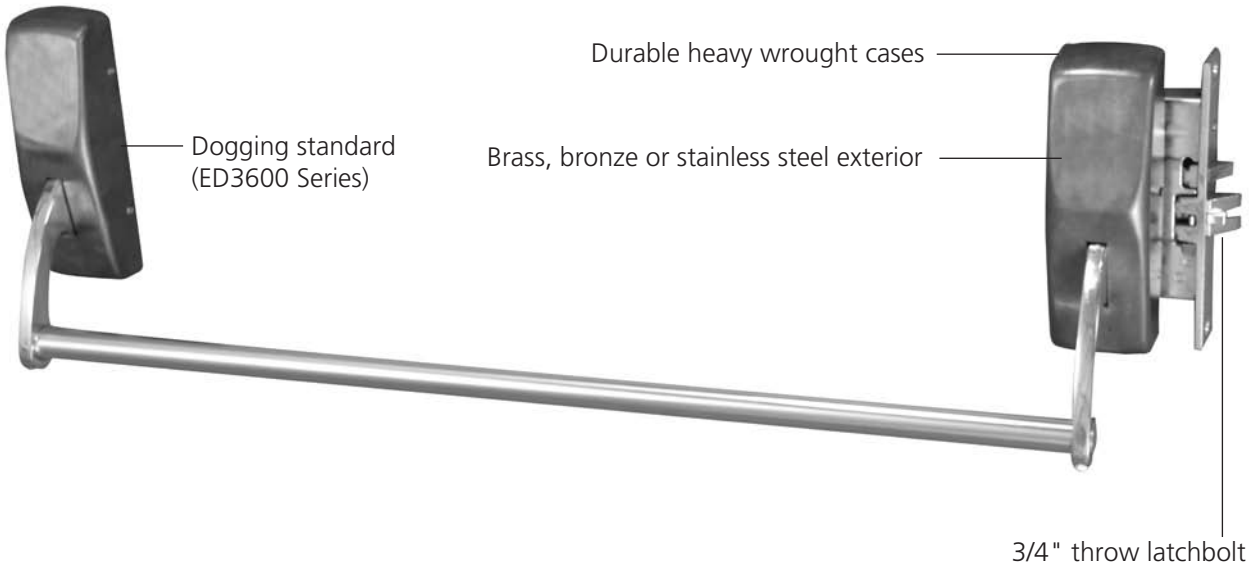
BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed
613E	Dark Oxidized Satin Bronze - Equivalent
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield®

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Mortise Exit Features

ED3000 Series

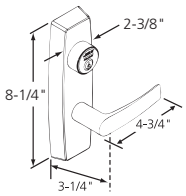
ED3600 and ED3600A Series Mortise Exit Devices



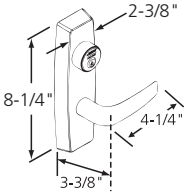
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Trims

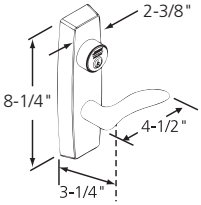
ED3000 Series

Lever Trim Design			
	**Armstrong** **A33** Lever: Cast Escutcheon: Cast		

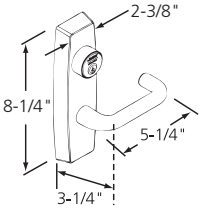
Trim Designation	ANSI #
A3310ET - Passage	14
A3350ET - Dummy	02
A3355ET - Classroom	08
A3357ET - Nightlatch (Rim)	03
A33V57ET - Nightlatch (SVR)	09
A33M57ET - Nightlatch (Mortise)	03

	**Citation** **C33** Lever: Cast Escutcheon: Cast		

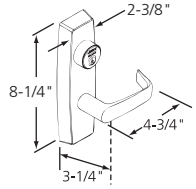
Trim Designation	ANSI #
C3310ET - Passage	14
C3350ET - Dummy	02
C3355ET - Classroom	08
C3357ET - Nightlatch (Rim)	03
C33V57ET - Nightlatch (SVR)	09
C33M57ET - Nightlatch (Mortise)	03

	**Dirke** **D33** Lever: Cast Escutcheon: Cast		

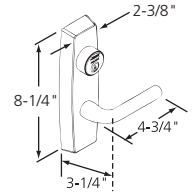
Trim Designation	ANSI #
D3310ET - Passage	14
D3350ET - Dummy	02
D3355ET - Classroom	08
D3357ET - Nightlatch (Rim)	03
D33V57ET - Nightlatch (SVR)	09
D33M57ET - Nightlatch (Mortise)	03

	**Lustra** **L33** Lever: Cast Escutcheon: Cast		

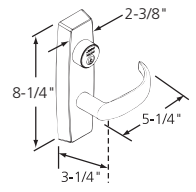
Trim Designation	ANSI #
L3310ET - Passage	14
L3350ET - Dummy	02
L3355ET - Classroom	08
L3357ET - Nightlatch (Rim)	03
L33V57ET - Nightlatch (SVR)	09
L33M57ET - Nightlatch (Mortise)	03

	**Newport** **N33** Lever: Cast Escutcheon: Cast		

Trim Designation	ANSI #
N3310ET - Passage	14
N3350ET - Dummy	02
N3355ET - Classroom	08
N3357ET - Nightlatch (Rim)	03
N33V57ET - Nightlatch (SVR)	09
N33M57ET - Nightlatch (Mortise)	03

	**Regis** **R33** Lever: Cast Escutcheon: Cast		

Trim Designation	ANSI #
R3310ET - Passage	14
R3350ET - Dummy	02
R3355ET - Classroom	08
R3357ET - Nightlatch (Rim)	03
R33V57ET - Nightlatch (SVR)	09
R33M57ET - Nightlatch (Mortise)	03

	**Princeton** **PR33** Lever: Cast Escutcheon: Cast		

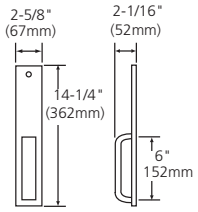
Trim Designation	ANSI #
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PR3350ET - Dummy	02
PR3355ET - Classroom	08
PR3357ET - Nightlatch (Rim)	03
PR33V57ET - Nightlatch (SVR)	09
PR33M57ET - Nightlatch (Mortise)	03

See Page 21 for available finishes

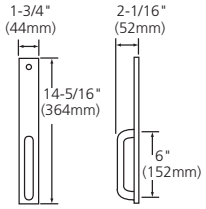
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Trims

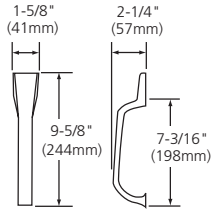
ED3000 Series

Pull Trim/Thumbpiece Design[1]			
	**D Grip** **T33** Grip: Extruded Escutcheon: Wrought		

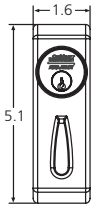
Trim Designation	ANSI #
T3310ET - Passage	15
T3350ET - Dummy	02
T3355ET - Classroom (Rim/SVR)	05
T33M55ET - Classroom (Mortise)	05
T3357ET - Nightlatch (Rim)[2]	03
T33M57ET - Nightlatch (Mortise)	03

	**Round Grip** **T34** Grip: Extruded Escutcheon: Wrought		

Trim Designation	ANSI #
T3410ET - Passage	15
T3450ET - Dummy	02
T3455ET - Classroom (Rim/SVR)	05
T34M55ET - Classroom (Mortise)	05
T3457ET - Nightlatch (Rim)[2]	03
T34M57ET - Nightlatch (Mortise)	03

	**Sectional Grip** **T35** Grip: Extruded		

Trim Designation	ANSI #
T3510ET - Passage	15
T3550ET - Dummy	02
T3555ET - Classroom (rim)	05
T35M55ET - Classroom (Mortise)	05
T3557ET - Nightlatch (Rim)[2]	03
T35M57ET - Nightlatch (Mortise)	03

	**Auxiliary Control/ Inside Lever Assembly**		

Trim Designation	ANSI #
3357TET - Nightlatch (SVR)	12

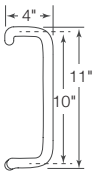
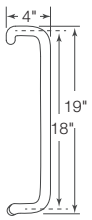
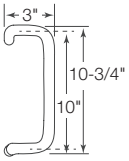
1. **Passage and Classroom functions have thumbpiece. Dummy and Nightlatch functions are pull only.**
2. **Not available with Surface Vertical Rod devices. For SVR X Night-latch x pull trim requirement - must order ED3450(A) x Dummy pull trim and 3357T Auxiliary Control.**

See Page 21 for available finishes.

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Offset Pull Trims

ED3000 Series

Offset Pull Trim: P12, P13, P14*			
	**Offset Pull** **P12** Clearance: 2-1/2"		Specify Part Number, 716F50M x Finish[1]
	**Offset Pull** **P13** Clearance: 2-1/2"		Specify Part Number, 716F51M x Finish[1]
	**Offset Pull** **P14** Clearance: 2-1/2"		Specify Part Number, 716F52M x Finish[1]

1. Available in 605, 606, 612, 613, 626, 629 and 630 finishes.
*Available on 1-3/4" thick doors only.

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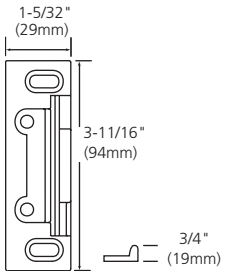
Corbin Russwin
ASSA ABLOY

Options and Accessories

ED3000 Series

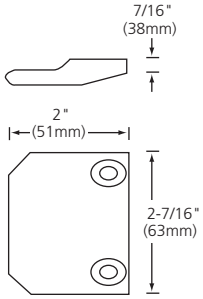
Rim Strikes

(Screws Included)



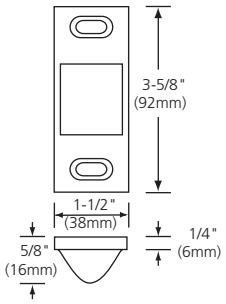
Rim Strike

Standard on ED3200 Series devices. For doors with 1/2" (13mm) or 5/8" (16mm) stop. Adjustable to compensate for shrinkage and swelling of door. Nylon anti-friction inserts for quieter operation. 3-1/4" x 1-1/16" (82mm x 27mm). To order separately, specify 787F44. 1/8" (3mm) shim available for 1/2" (13mm) stop; specify 786F72.



Rim x Vertical Rod Strike

Required for ED3200 Series devices when used with ED3400 Series device on a pair of doors. To order with device, specify option S02. To order separately, specify 786F53.

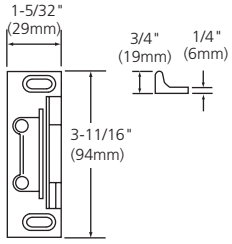


Mortised Adjustable Rim Strike

Optional for ED3200 Series devices only. Adjustable to compensate for shrinkage and swelling of door. 3-5/8" x 1-1/2" (92mm x 38mm). To order with device, specify option S04. To order separately specify 786F51.

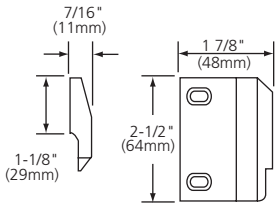
Vertical Rod Strikes

(Screws Included)



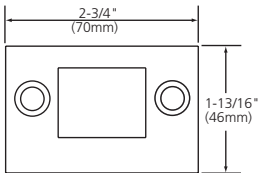
Top Strike

Standard Top Strike for both Panic & Fire Hardware. Surface applied to frame. Black nylon coated. 3-11/16" x 1-5/32" (94mm x 29mm). Specify 787F42



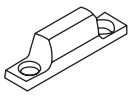
Flush Transom Strike

For doors having transom panel applications. 2-1/2" x 1-7/8" (64mm x 48mm). To order with device, specify option M67. To order separately, specify 787F41.



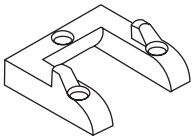
Bottom Strike

Optional for ED3400 Series devices. 2-3/4" x 1-13/16" (70mm x 46mm). To order with device specify option S03. To order separately, specify 786F56.



Surface Projecting Bottom Strike

Standard on ED3400 Series devices. 2-9/16" x 19/32" x 5/8" (65mm x 15mm x 16mm) high. To order separately, specify 786F52.

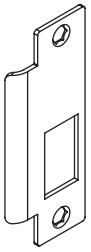


Bottom Strike for Threshold

Optional on ED3400A Series devices. For use with threshold. To order with device, specify option S06. To order separately, specify 786F55.

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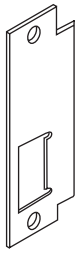
Mortise Strikes



Curved Lip ANSI Strike

Standard on ED3600 and ED3600A Series. Handed. 1-1/4" lip standard, longer lips in increments of 1/4" through 2-7/8" available. 4-7/8" x 1-1/4" x 1-1/8" (124mm x 32mm x 28mm) lip to center, for 1-3/4" (44mm) doors.

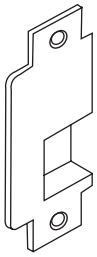
Hand	Door Thickness	Part No.
LHR	1-3/4"	786F66
	2"	786F67
	2-1/4"	786F68
RHR	1-3/4"	786F69
	2"	786F70
	2-1/4"	786F71



Straight Lip ANSI Strike

4-7/8" x 1-1/4" x 1-1/8" (124mm x 32mm x 28mm) lip to center, for 1-3/4" (44mm) doors. To order separately, specify Part No.

Door Thickness	Part No.
1-3/4"	786F63
2"	786F64
2-1/4"	786F65



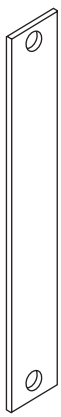
Open Back Strike

Optional for use with ED3400 x ED3600 Series devices on a pair of doors. See How to Order, page 20. To order separately, specify Part No. x Door Thickness x Finish.

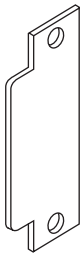
Hand	Door Thickness	Part No.
LHR	1-3/4"	786F57
	2"	786F58
	2-1/4"	786F59
RHR	1-3/4"	786F60
	2"	786F61
	2-1/4"	786F62

Filler Plates

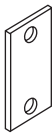
Optional for use on stock metal doors when required. To order, specify Part No. x Finish.



Front
334F99-8 600



Strike
236L708018



Front
077F19-8 600

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Corbin Russwin
ASSA ABLOY

Mullions

ED3000 Series

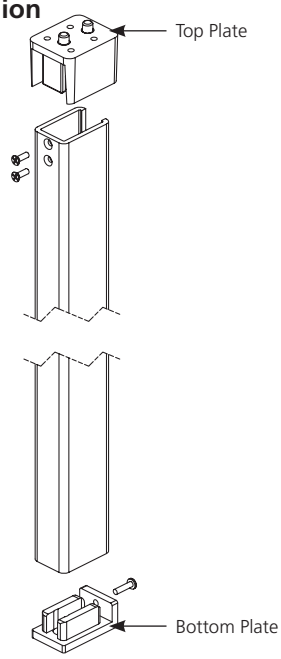
CR900 Series Removable Mullions

The CR900 series mullions are used to install two ED3200 Series Rim Exit Devices in a double door opening. They may be quickly and easily removed, then reinstalled, when a full double door opening is temporarily required. The CR900 series mullions meet ANSI A156.3, Type 22.

Materials and Finish

Steel mullion with malleable iron top and bottom plates; furnished with zinc plated fasteners for metal frames and concrete floors. May be cut, drilled and tapped in the field for Rim Exit Devices. The CR900 series mullions are primed for painting, BHMA 600, red.

CR900 Mullion



CR900 Series Mullions - How to Order

Removable Mullions

UL Fire Rating[1]	Mullion Opening Height[2]	Catalog Number
Panic Only	Up to 7'0"	CR907
Panic Only	Up to 8'0"	CR908
Panic Only	Up to 10'0"	CR910
3-Hour	Up to 7'0"	CR907A
3-Hour	Up to 8'0"	CR908A

Key Removable Mullions

UL Fire Rating[1]	Mullion Opening Height[2]	Catalog Number
1-1/2 Hour	Up to 7'0"	CR907BKM[3]
1-1/2 Hour	Up to 8'0"	CR908BKM[3]
Panic Only	Up to 10'0"	CR910KM[3]

Notes:
1. UL label on mullion indicates listing.
2. May be field cut for doors.
3. Cylinder and collars not included, specify separately.
   See Cylinders on page 18.

CR900 Series Mullions - Options

M95- Spacer Block

Recommended for double rabbeted frames where the stop face width is less than the mounting hole spacing and also for door frames 5-3/4" (176mm) or less. To order with a mullion, specify M95. To order separately, specify Part No. 683F29-8.

M96- Angle Bracket

Recommended for any header configuration with less than 3" (76mm) of mounting surface. To order with a mullion, specify M96. To order separately, specify Part No. 655F63-8.

M57- Mullion Stabilizer Kit

Controls the movement of the mullion. Recommended for opening over 7' high, or whenever door movement must be minimized. To order with mullion, specify M57. To order separately, specify Part No. 653F11-1 x 695 or 628.

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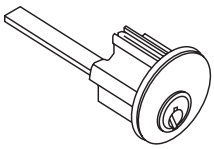
Cylinders

ED3000 Series

Cylinders

- L4 keyway standard; specify other keyways.
- Specify Collar.
- To order with Exit Device, see How to Order, page 20.
- To order separately, specify Cylinder Type x Keyways Finish (e.g., 3000-200 x L4 x 626).

Rim

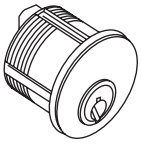


Available with the following trim:

*3357	T3357
T3355	T3457
T3455	T3557
T3555	

Description	Lever Trim		Thumbpiece Trim
	1-3/4" Door	2" and 2-1/4" Door	
6 Pin	CR3000-200	CR3000-312	CR3000-200
7 Pin	CR3000-200-7	CR3000-312-7	CR3000-200-7
Access 3® Patented	CR3500-200	CR3500-312	CR3500-200
Access 3® Security	CR3600-200	CR3600-312	CR3600-200
Access 3® High Security	CR3700-200	CR3700-312	CR3700-200
Access 3® IC Patented	CR3580-178	CR3580-318	CR3580-178
Access 3® IC Security	CR3680-178	CR3680-318	CR3680-178
Access 3® IC High Security	CR3780-178	CR3780-318	CR3780-178
Pyramid Security	CR3027-200	CR3027-312	CR3027-200
Pyramid Security IC	CR3037-178	CR3037-312	CR3037-178
Pyramid High Security	CR3020-200	CR3020-312	CR3020-200
Pyramid High Security IC	CR3030-178	CR3030-312	CR3030-178
Pyramid IC IC 6 Pin IC 6 Pin - Red IC 6 Pin - Blue IC 6 Pin - Green	CR3080-178	CR3080-318	CR3080-178
Pyramid IC (Disposable) Pyramid IC Less Core IC 6 Pin Less Core IC 6 Pin (Disposable)	CR3070-178	CR3070-318	CR3070-178
SFIC 6 Pin Less Core IC 6 Pin w/ SFIC (Disposable)	CR3040-178	CR3040-318	CR3040-178
Security	CR3010-200	CR3010-312	CR3010-200
Security IC	CR3090-178	CR3090-318	CR3090-178
IC 7 Pin IC 7 Pin - Red IC 7 Pin - Blue IC 7 Pin - Green	CR3080-178-7	CR3080-318-7	CR3080-178-7
IC 7 Pin Less Core IC 7 Pin (Disposable)	CR3070-178-7	CR3070-318-7	CR3070-178-7
SFIC 7 Pin Less Core IC 7 Pin w/ SFIC (Disposable)	CR3040-178-7	CR3040-318-7	CR3040-178-7

CR900 Series Key Removable Mullion Mortise Cylinders

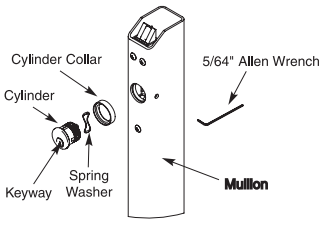


Description	Cylinder Type
6-Pin	CR1000-118-A62
7-Pin	CR1000-114-A62-7
6-Pin, IC	CR1080-114-A62
7-Pin, IC	CR1080-112-A62-7
Pyramid High Security	CR1020-114-A62
Pyramid Security	CR1027-114-A62
Pyramid High Security IC	CR1030-114-A62
Pyramid Security IC	CR1037-114-A62
Security	CR1010-118-A62
Security IC	CR1090-114-A62
6-pin, IC, less core	CR1070-114-A62
7-pin, IC, less core	CR1070-112-A62-7
Access 3® – Patented	CR1500-114-A62
Access 3® - Security	CR1600-114-A62
Access 3® - High Security	CR1700-114-A62
Access 3® IC - Patented	CR1580-114-A62
Access 3® IC - Security	CR1680-114-A62
Access 3® IC- High Security	CR1788-114-A62

CR900 Series Key Removable Mullion Cylinder Collar Packet

Mullion Series	Cylinder Length and Type			
	1-1/8"	1-1/4"	1-1/4" IC	1-1/2" IC
CR907BKM CR908BKM CR910KM	610F01*	447F43*		609F37*

Note: Cylinder collar packets contain a collar and spring washer.
****Specify finish when ordering packets.***



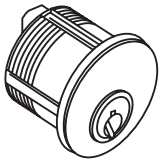
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Cylinders

ED3000 Series

Mortise



Description	Cylinder Type	Trim Functions									
		55	M57	V57	T33M55	T34M55	T35M55	T33M57	T34M57	T35M57	3357T
6 Pin	CR1000-118-A07	X		X	X	X	X	X	X	X	X
	CR1000-134-A07		X								
	CR3000-200	X		X							
7 Pin	CR1000-114-A07-7	X		X							X
	CR1000-134-A07-7		X		X	X	X	X	X	X	
Access 3 Patented	CR1500-114-A07	X		X							X
	CR1500-134-A07		X		X	X	X	X	X	X	
Access 3 Security	CR1600-114-A07	X		X							X
	CR1600-134-A07		X		X	X	X	X	X	X	
Access 3 High Security	CR1700-114-A07	X		X							X
	CR1700-134-A07		X		X	X	X	X	X	X	
Acess3 IC Patented	CR1580-114-A07	X		X							X
	CR1580-134-A07		X		X	X	X	X	X	X	
Access 3 IC Security	CR1680-114-A07	X		X							X
	CR1680-134-A07		X		X	X	X	X	X	X	
Access 3 IC High Security	CR1788-114-A07	X		X							X
	CR1788-134-A07		X		X	X	X	X	X	X	
Pyramid Security	CR1027-114-A07	X		X							X
Pyramid Security IC	CR1037-114-A07	X		X							X
	CR1037-134-A07		X		X	X	X	X	X	X	
Pyramid High Security	CR1020-114-A07	X		X							X
Pyramid High Security IC	CR1030-114-A07	X		X							X
	CR1030-134-A07		X		X	X	X	X	X	X	
Pyramid IC IC 6 Pin IC 6 Pin - Red IC 6 Pin - Blue IC 6 Pin - Green	CR1080-114-A07	X		X							X
	CR1080-134-A07		X		X	X	X	X	X	X	
Pyramid IC (Disposable) Pyramid IC Less Core IC 6 Pin Less Core IC 6 Pin (Disposable)	CR1070-114-A07	X		X							X
	CR1070-134-A07		X		X	X	X	X	X	X	
SFIC 6 Pin Less Core IC 6 Pin w/ SFIC (Disposable)	CR1040-114-A07	X		X							X
	CR1040-134-A07-7										
Security	CR1010-114-A07	X		X							X
	CR1010-134-A07		X		X	X	X	X	X	X	
Security IC	CR1090-114-A07	X		X							X
	CR1090-134-A04		X		X	X	X	X	X	X	
IC 7 Pin IC 7 Pin - Red IC 7 Pin - Blue IC 7 Pin - Green	CR1080-134-A07-7		X		X	X	X	X	X	X	
IC 7 Pin Less Core IC 7 Pin (Disposable)	CR1070-134-A07										
SFIC 7 Pin Less Core IC 7 Pin w/ SFIC (Disposable)	CR1040-134-A07		X		X	X	X	X	X	X	

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How to Order

ED3000 Series

Exit Device

Quantity	Exit Device	Finish	Hand	Misc. Options
27	ED3250	630	RHR	M54

Removable Mullion

Quantity	Mullion
9	CR907

Trim Only (For ExitDevice)

Quantity	Trim	Finish	Hand	Door Thickness
34	L3310ET	625	RHR	D214

Where to find ordering information and Quick Codes

Trims	Pages 11-12
Offset Pull Trims	Page 13
Cylinder and Keying	Page 20
Miscellaneous Options	Page 20
Strike	Page 21
Finish	Page 21
Door Height	Page 21
Handing	Page 21
Door Width	Page 21
Door Thickness	Page 21

Exit Device with Trim

Quantity	Exit Device	Trim	Finish	Hand	Door Thickness	Optional Strike	Door Width	Misc. Options
18	ED3255	R3355ET	605	LHR	D200	S04	W048	M53

Contract/Detailed Order - Exit Device with Trim

Quantity	Keyset	Exit Device	Trim	Finish	Hand	Door Thickness	Door Width	Door Options	Misc. Options	Cylinder Keying	Keyway
68	AA1	ED3255	A3355ET	626	RHR	D200	W048	M54	7P	VKC3	59A1

Note: When ordering a device, the function must be included in the device component of the order string and must match the trim function. e.g. ED3255/A3355

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Quick Codes

ED3000 Series

Cylinder and Keying

Description	Specify
Conventional 6-pin	6P
Conventional 7-pin	7P
Pyramid Security fixed core	PS
Pyramid Security IC	PCS
Pyramid High Security fixed core	PHS
Pyramid High Security IC	PCHS
Pyramid IC with temporary construction core	CTP
Pyramid IC with temporary disposable core	CTPD
Pyramid IC less core	CLP
Security	HS
Security IC	CHS
Access 3® – Patented	AP
Access 3® - Security	AS
Access 3® - High Security	AHS
Access 3® IC - Patented	ACP
Access 3® IC - Security	ACS
Access 3® IC- High Security	ACHS
IC 6-pin[1]	C6
IC 6-pin with temporary construction core (Red)	CT6R
IC 6-pin with temporary construction core (Blue)	CT6B
IC 6-pin with temporary construction core (Green)	CT6G
IC 6-pin with temporary disposable core	CT6D
IC 6-pin less core	CL6
SFIC 6-pin with Less Core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin	C7*
IC 7-pin with temporary construction core (Red)	CT7R*
IC 7-pin with temporary construction core (Blue)	CT7B*
IC 7-pin with temporary construction core (Green)	CT7G*
SFIC 7-pin with Less Core	CLS7*+
SFIC 7-pin with SFIC disposable temporary core	CT7SD*
IC 7-pin with temporary disposable core	CT7D*
IC 7-pin less core	CL7*
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK (not available for Pyramid)
No keying data stamped on key or cylinder	VKC0
Keys only	VKC1
Cylinders and keys (not for HS, CHS, PHS or PCHS)	VKC2
Cylinders only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders with VKC keys	CKC2
- CKC cylinders only (not for HS, CHS, PHS or PCHS)	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)

*Not available with Rim or SVR lever trim - Classroom Function
+Not available with 55 function

Miscellaneous Options

Description	Specify
Spanner Head Screws	M02
Torx Head Screws	M04
Abrasive coat outside and inside (trim and device)	M23
Abrasive coat inside only (device side)	M24
Abrasive coat outside only (trim side)	M25
Steel reinforced crossbar	M53
Sex nuts and bolts (SNBs)	M54
Mullion stabilizer kit	M57
Shim for 2-3/4" backset on doors with 1/2" stop (rim devices only)	M59
Mullion spacer block	M95
Mullion angle bracket	M96

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Quick Codes

ED3000 Series

Strike

Description	Specify
Rim	
Mortised adjustable	S04
Rim x Vertical Rod	S02
Vertical Rod	
Flush bottom (ED3400 devices only)	S03
3-hour fire-rated bottom for use with threshold	S06
Flush Transom Strike	M67
Mortise	
Open back strike	
1-3/4" door thickness	SB134
2" door thickness	SB200
2-1/4" door thickness	SB214
Straight Lip ANSI Strike	
1-3/4" door thickness	SS118
2" door thickness	SS138
2-1/4" door thickness	SS158
Curved Lip ANSI Strike	
1-3/4" door thickness	SA114 (standard)
2" door thickness	SA138
2-1/4" door thickness	SA158

Finish

Description		Specify
US3	Bright Brass	605
US4	Satin Brass	606
US9	Bright Bronze	611
US10	Satin Bronze	612
US10B	Dark Oxidized Satin Bronze, oil rubbed	613
US10BE	Dark Oxidized Satin Bronze - Equivalent	613E
US14	Bright Nickel Plated	618[1]
US15	Satin Nickel Plated	619[1]
US26	Bright Chromium Plated	625[1]
US26D	Satin Chromium Plated	626[1]
	Satin Chromium Plated with MicroShield	626C[1]
US32	Bright Stainless Steel	629[2]
US32D	Satin Stainless Steel	630[2]
—	Satin Stainless Steel with MicroShield®	630C[2]
—	Black Suede Powder Coat	BSP
—	White Suede Powder Coat	WSP

1. Outside trim only
2. Not available on lever trim or T34 trim

Door Height (SVR Only)

Door	Specify
7'0"	H0700
7'2"	H0702
7'6"	H0706
8'	(standard)
8'6"	H0806 (ED3400 device only)
9'	H0900 (ED3400 device only)
10'	H1000 (ED3400 device only)

Handing

Hand	Specify
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Door Width

Door	Specify
36" (914mm)	(standard)
48" (1219mm)	W048

Door Thickness

Door	Specify
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

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How to Specify

ED3000 Series

Suggested Specification
ED3000 Series

All exit devices shall be ED3000 Series Crossbar Exit Devices as manufactured by Corbin Russwin Architectural Hardware.

The maximum projection shall be 4-1/2" and 2-3/4" when crossbar is depressed. Exit devices shall have matched twin cases mounted with concealed fastening screws and shall be constructed of brass, bronze or stainless steel. Non-matched twin cases shall not be acceptable. Crossbar lever arms shall be drop forged.

Crossbar must have minimum wall thickness of .062" or be reinforced. Main arm pivots and springs shall be stainless steel. Crossbars and arms shall be counter balanced by springs in both center case and hinge style cases. All exit devices shall be of chassis mounted unit construction with removable covers. Top and bottom rods of vertical rod devices shall be a minimum of 3/8" diameter.

Panic listed exit devices shall have dogging standard. Dogging screws shall seat into heat-treated pivots for long life and minimum wear. All crossbars on exit devices to be locked down by inside dogging feature accomplished by depressing crossbar and turning key.

All exit devices shall have ample allowances for easy alignment.

Trims shall be through-bolted with concealed fasteners. Escutcheon and pull trims shall be constructed of brass, bronze or stainless steel. All lever trims shall use cast levers. Wrought levers shall not be acceptable. Lever trims shall match those on Corbin Russwin Mortise and Cylindrical Locksets.

All devices and trims shall be furnished in architectural finishes.

All devices shall be listed by Underwriters Laboratories (UL) for safety as panic hardware. Fire-rated devices shall be UL listed for mortise: 4' x 7'2" single and 8' x 7'2" pair; rim and surface vertical rod - 4' x 8' single and 8' x 8' pair.

Certification:
ANSI A156.3, Grade 1
ANSI A156.3, Grade 2 (ED3400 Series)
ANSI A117.1 Accessibility Code
California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

All devices, trims and cylinders shall be from one manufacturer.

All mechanical devices and trims shall carry a one-year limited warranty.

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Notes

ED3000 Series

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ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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For additional information, contact your ASSA ABLOY Door Security Solutions sales consultant or visit **www.corbinrusswin.com.**

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ED4000 Series

Product Catalog

Experience a safer
and more open world

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Introduction

ED4000 Series

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Applications

Designed for applications on narrow stile full glass, aluminum and metal doors in high-use and high-abuse situations, ED4000 Series devices can be teamed with a variety of Corbin Russwin trims to provide desired functions, styles and finishes in new construction and renovations, including:

- Schools and universities
- Health care facilities
- Government and municipal buildings
- Factories and warehouses
- Office and retail complexes
- Transportation facilities
- Hotels and conference centers
- Religious facilities
- Theaters and auditoriums

Advantages

- Meets ANSI Grade 1 requirements
- Easy-to-use pushpad for quick egress and ADA compliance
- Low projection for barrier-free code compliance
- Heavy-duty construction
- Quiet operation
- Closed on all sides – no projecting parts to inhibit egress
- Devices accommodate various function trims for flexibility
- Through-bolted trims for strength, security, durability, smooth operation and easy installation
- Wide range of designs and finishes to match other Corbin Russwin products
- One-point dogging
- Devices satisfy UL/cUL safety requirements

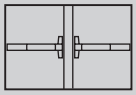
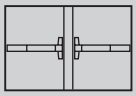
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Applications and Listings

ED4000 Series

Single Door	UL Listing	Maximum Opening (W x H)	Application	
Rim				
ED4200	Panic	4' x *	Surface applied; single-point latching.	
ED4200M	Panic	4' x *	Surface applied single-point latching.	
ED4200MA	3Hr.	4' x 8'	Surface applied single-point latching.	
SecureBolt®				
ED4200S	Panic	4' x *	Surface applied; single-point latching.	
ED4200SM	Panic	4' x *	Surface applied single-point latching.	
ED4200SMA	3Hr.	4' x 8'	Surface applied single-point latching.	
Surface Vertical Rod				
ED4400	Panic	4' x 10'	Surface applied; two-point latching.	
ED4400M	Panic	4' x 10'	Surface applied two-point latching.	
ED4400MA	3Hr.	4' x 10'	Surface applied two-point latching.	
Concealed Vertical Rod				
ED4800	Panic	4' x 10'	Rods concealed in door; two-point latching.	
ED4800M	Panic	4' x 10'	Rods concealed in door two-point latching.	
ED4800MA	3Hr.	4' x 10'	Rods concealed in door two-point latching.	

Pair of Doors with Removable Mullion	UL Listing	Maximum Opening (W x H)	Application	
Rim x Rim				
ED4200 x ED4200 x CR808	Panic	8' x 8'	Two independent active doors with removable mullion.	
ED4200M x ED4200M x CR908	Panic	8' x 8'	Two independent active doors with removable mullion.	
ED4200MA x ED4200MA x CR908A	3Hr.	8' x 8'	Two independent active doors with removable mullion.	
SecureBolt® x SecureBolt®				
ED4200S x ED4200S x CR808	Panic	8' x 8'	Two independent active doors with removable mullion.	
ED4200SM x ED4200SM x CR908	Panic	8' x 8'	Two independent active doors with removable mullion.	
ED4200SMA x ED4200SMA x CR908A	3Hr.	8' x 8'	Two independent active doors with removable mullion	

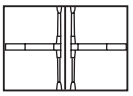
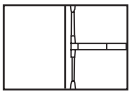
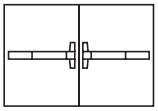
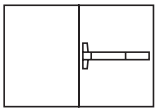
Note: All ED4000 Series Narrow Stile Pushpad Exit Devices are UL305 panic listed.
*UL does not set a door height limitation on panic applications.

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Applications and Listings

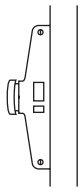
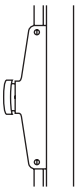
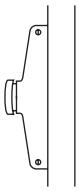
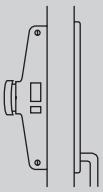
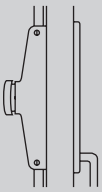
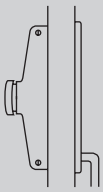
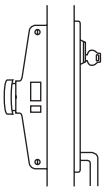
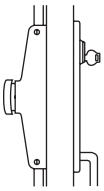
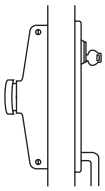
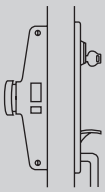
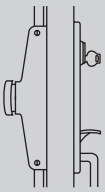
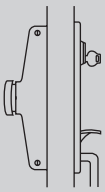
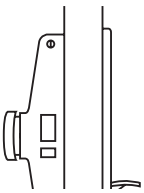
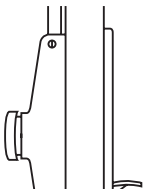
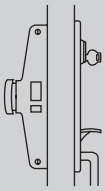
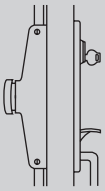
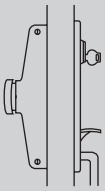
ED4000 Series

Pair of Doors	UL Listing	Maximum Opening (W x H)	Application	
Surface Vertical Rod				
ED4400 x ED4400	Panic	8' x 10'	Two independent doors with two-point latching, swinging in the same direction.	
ED4400M x ED4400M	Panic	8' x 10'	Two independent doors with two-point latching, swinging in the same direction.	
ED4400MA x ED4400MA	3Hr.	8' x 10'	Two independent doors with two-point latching, swinging in the same direction.	
Surface Vertical Rod (Double Egress)				
ED4400 x ED4400	Panic	8' x 10'	Two independent doors with two-point latching, swinging in opposite directions.	
ED4400M x ED4400M	Panic	8' x 10'	Two independent doors with two-point latching, swinging in the same direction.	
ED4400MA x ED4400MA	3Hr.	8' x 10'	Two independent doors with two-point latching, swinging in the same direction.	
Concealed Vertical Rod				
ED4800 x ED4800	Panic	8' x 10'	Two independent doors with two-point latching, swinging in the same direction.	
ED4800M x ED4800M	Panic	8' x 10'	Two independent doors with two-point latching, swinging in the same direction.	
ED4800MA x ED4800MA	3Hr.	8' x 10'	Two independent doors with two-point latching, swinging in the same direction.	
Concealed Vertical Rod (Double Egress)				
ED4800 x ED4800	Panic	8' x 10'	Two independent doors with two-point latching, swinging in the opposite direction.	
ED4800M x ED4800M	Panic	8' x 10'	Two independent doors with two-point latching, swinging in the same direction.	
ED4800MA x ED4800MA	3Hr.	8' x 10'	Two independent doors with two-point latching, swinging in the same direction.	

Note: All ED4000 Series Narrow Stile Pushpad Exit Devices are UL305 panic listed.
*UL does not set a door height limitation on panic applications.

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Exit Only, Pull and Thumbpiece Trims

Rim/SecureBolt® ED4200 ED4200S Inside Outside	Surface Vertical Rod ED4400 Inside Outside	Concealed Vertical Rod ED4800 Inside Outside	Type	ANSI No.	Function Description
			Exit Only	01	Exit only; no trim.
			Dummy	02	Entrance by trim when actuating bar is locked down.
			Nightlatch	03	Entrance by trim when latchbolt is retracted by key. Key removable only when locked.
			Classroom*	05	Entrance by thumbpiece. Key locks or unlocks thumbpiece.
			Passage	15	Entrance by trim when latch is released by thumbpiece. Thumbpiece is always active, no cylinder.
			Storeroom (Thumbpiece Active)	06	Entrance by thumbpiece only when released by key. Key removable only when locked.

*Classroom function trims can be converted to Storeroom function by a simple field adjustment.

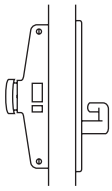
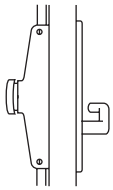
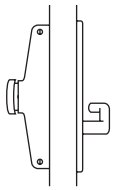
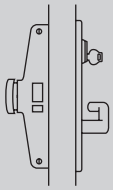
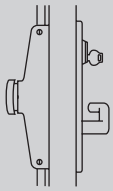
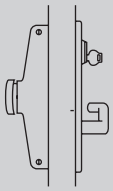
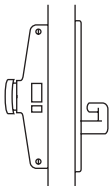
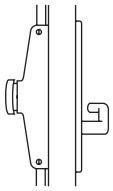
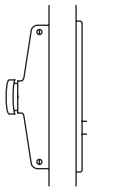
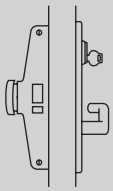
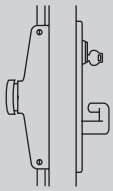
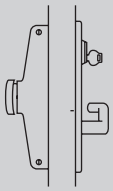
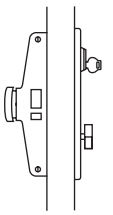
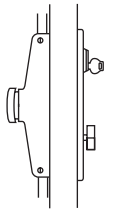
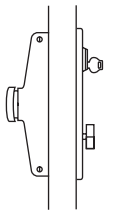
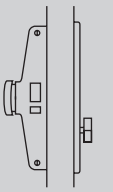
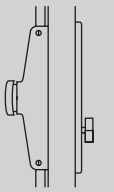
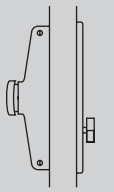
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Overview

ED4000 Series

Knob, Lever and Thumbturn Trims

Rim/SecureBolt® ED4200 ED4200S Inside Outside	Surface Vertical Rod ED4400 Inside Outside	Concealed Vertical Rod ED4800 Inside Outside	Type	ANSI No.	Function Description
			Dummy	02	Entrance by trim when actuating bar is locked down.
			Classroom*	08	Entrance by knob or lever. Key locks or unlocks knob or lever.
			Passage	14	Entrance by trim when latchbolt is released by knob or lever. Knob or lever always active, no cylinder.
			Storeroom (Grip Active)	09	Entrance by knob or lever only when released by key. Key removable only when locked.
			Classroom*	11	Entrance by control turn piece. Key locks or unlocks control.
			Passage	16	Latchbolt retracted by thumbturn.

*Classroom function trims can be converted to Storeroom function by a simple field adjustment.

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SecureBolt® Features

ED4000 Series

ED4200S Narrow Stile SecureBolt® Exit Device

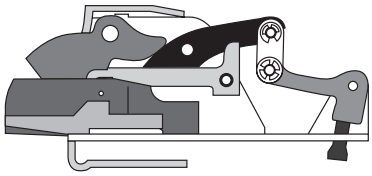
Handing
Device non-handed.
Trim handed.

Bar Length
Easily field cut to size.
Standard: 36" (914mm) bar fits 30"- 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36"- 48" (914mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 2" (51mm).

Deadbolt
Full 3/4" (19mm) projection, 1" (25mm) wide , positive deadlocking by auxiliary bolt.



Cutaway Side View

Materials
High-grade, heat-treated, corrosion-resistant nickel steel alloy. Finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Latchbolt
Stainless steel. Slide action deadbolt with positive deadlocking by auxiliary bolt. Two-piece deadbolt mechanism utilizing a roll-back lever which eliminates any contact (friction) with the strike during relocking.

Projection
3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Standard: single-point 1/4 turn hex key dogging.
Optional: less dogging; specify M51.
Optional: cylinder dogging; specify M52.
Optional: electric dogging, specify M97.

Fasteners
Standard: machine screws.
Optional: sex nuts and bolts; specify M54.

Strike
Surface mounted 3/8" (10mm) diameter roller strike, complete with positive locking plate and shims, ensuring low-friction relocking for a long, trouble-free life.

Functions and Trims
Through-bolted lever, knob, pull, thumbturn and thumbpiece trims available with wide range of functions; see Trims and Functions, page 14.

Cylinders
Cylinder not included unless specified. See Quick Codes, page 38.

Removable Mullion
See Mullions, page 32.

Shim Kit
Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings
See page 3.

Warranty
Five-year limited.

ANSI
Meets A156.3, Type 4 or 28, Grade 1.
Meets A117.1 Accessibility Code.

UL/cUL
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. UL symbol on active case cover indicates listing.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA
All exit devices comply with NFPA 101 Life Safety Code.

ADA
Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
BHMA 613E	Dark Oxidized Satin Bronze Equivalent
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626* (Trim Only)	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield®
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield®
722	Black oxidized bronze,oil rubbed
BSP	Black Suede Powder Coat

***Contact factory for devices required in BHMA 626**

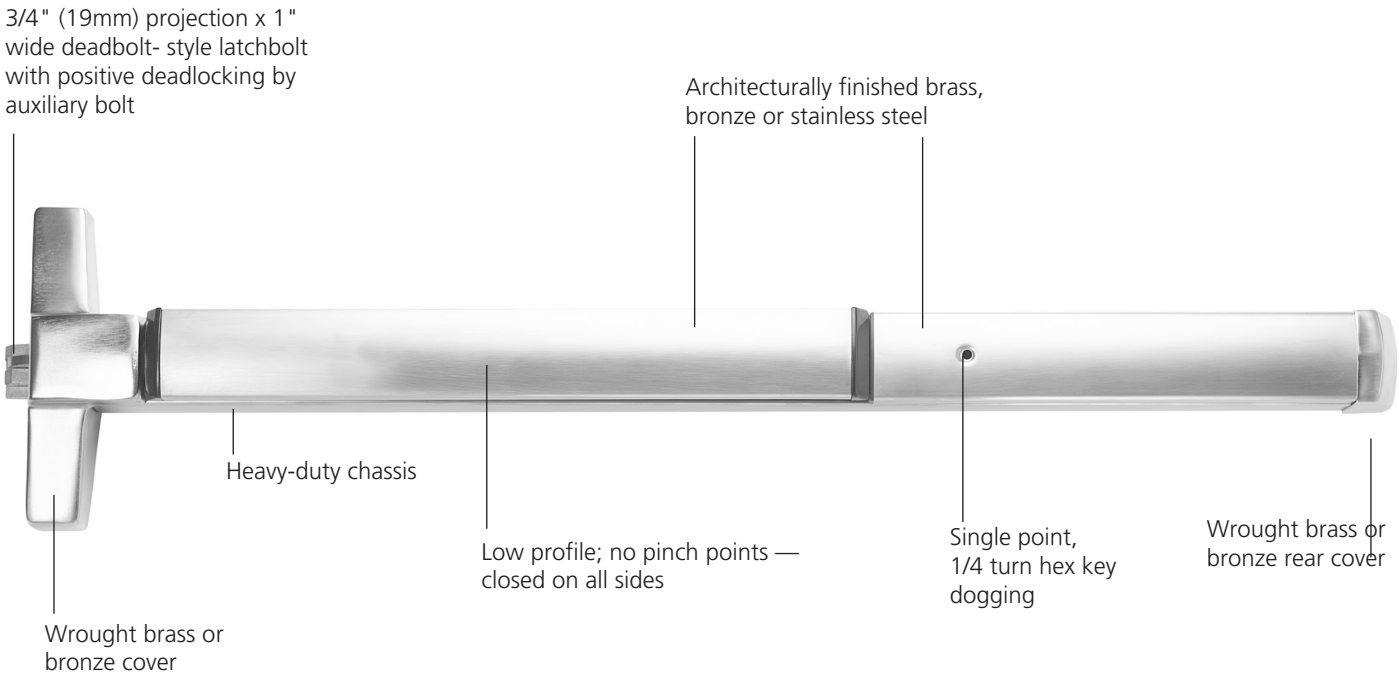
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SecureBolt® Features

ED4000 Series

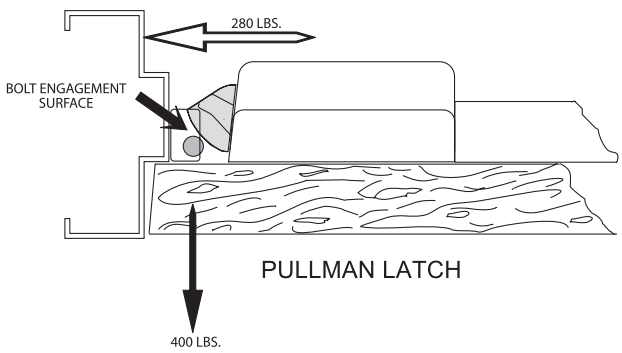
ED4200S SecureBolt® Exit Device

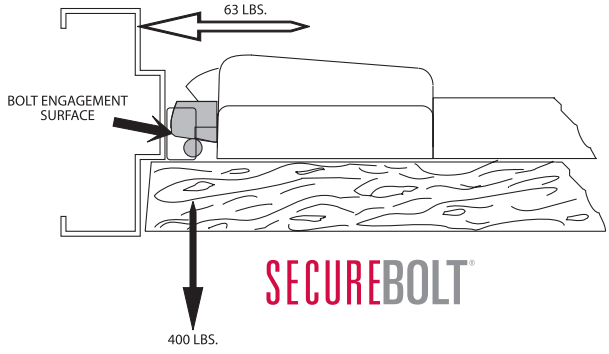


Vector Forces

In terms of an exit device, vector forces mean that pressure applied to the door results in a force against the stop and the frame, resulting in door/frame separation. The standard pullman latchbolt applies 280 pounds of force against the frame from a 400- pound pull on the door.

The SecureBolt® exit device only applies 63 pounds of force against the frame from a 400-pound pull on the door. Less force means the door and frame do not separate, providing a higher level of security, as the door cannot be pulled open.





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Rim Features

ED4000 Series

ED4200 Narrow Stile Rim Exit Device

Features

Handing
Device non-handed.
Trim handed.

Bar Length
Easily field cut to size.
Standard: 36" (914mm) bar fits 30"- 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36"- 48" (914mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 2" (51mm).

Latchbolt
3/4" (19mm) throw, pullman type with stainless steel deadlocking latch.

Materials
Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection
3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging
Standard: single point 1/4 turn hex key dogging.
Optional: less dogging; specify M51.
Optional: cylinder dogging; specify M52.
Optional: electric dogging; specify M97.

Fasteners
Standard: machine screws.
Optional: sex nuts and bolts; specify M54.

Strike
Surface mounted 3/8" (10mm) diameter roller strike, complete with positive locking plate and shims.

Functions and Trims
Through-bolted lever, knob, pull, thumbturn and thumbpiece trims available with wide range of functions; see Trims and Functions, page 14.

Cylinders
Cylinder not included unless specified. See Quick Codes, page 38.

Removable Mullion
See Mullions, page 32.

Shim Kit
Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings
See page 3.

Warranty
Five-year limited.

Certification/Compliance

ANSI
Meets A156.3, Type 4, Grade 1.
Meets A117.1 Accessibility Code.

UL/cUL
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. UL symbol on active case cover indicates listing.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA
All exit devices comply with NFPA 101 Life Safety Code.

ADA
Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
BHMA 613E	Dark Oxidized Satin Bronze Equivalent
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626* (Trim Only)	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield®
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield®
722	Black oxidized bronze,oil rubbed
BSP	Black Suede Powder Coat

***Contact factory for devices required in BHMA 626**

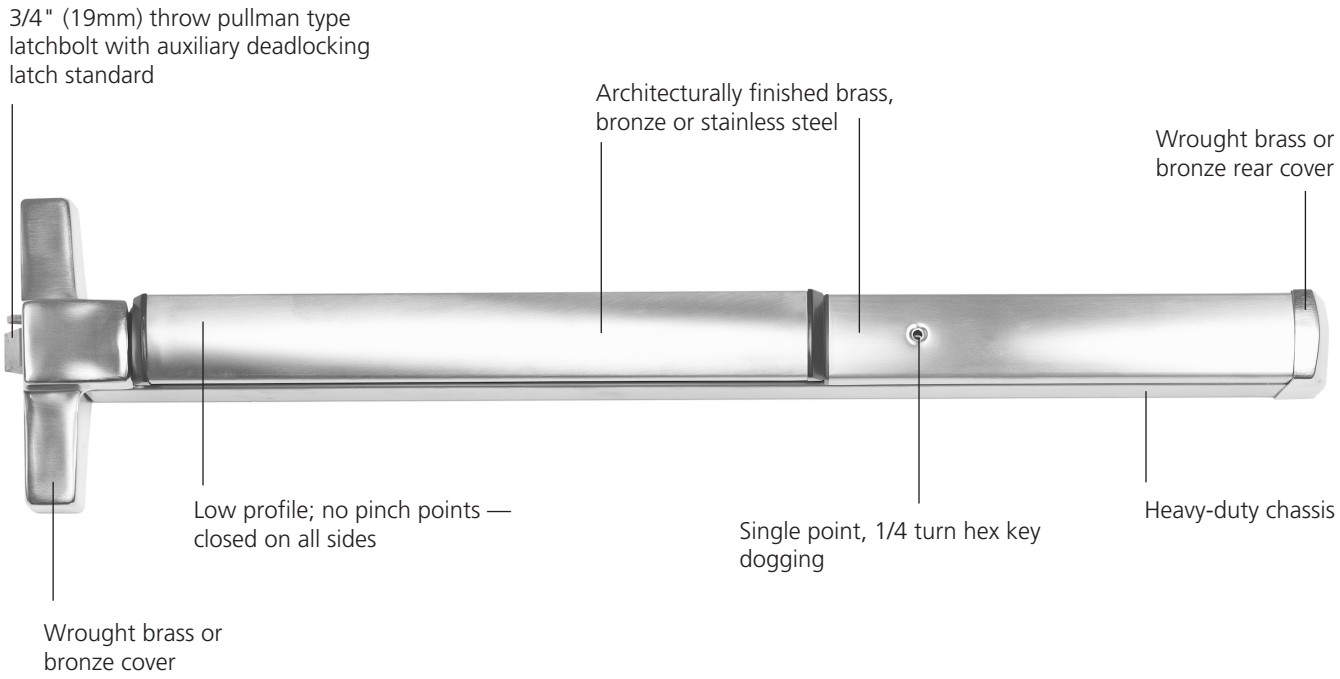
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Rim Features

ED4000 Series

ED4200 Narrow Stile Rim Exit Device



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Surface Vertical Rod Features

ED4000 Series

ED4400 Narrow Stile Surface Vertical Rod Exit Device

Features

Handing
Device is handed but easily field reversible. Trim handed.

Bar Length
Easily field cut to size.
Standard: 36" (914mm) bar fits 30"- 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36"- 48" (914mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 2" (51mm).

Door Height
Standard: Top rod for 7' door.
All top rods easily field cut to size.
Optional door heights available; see Quick Codes, page 38.

Latchbolt
Top: 3/4" (19mm) throw, pullman type with automatic deadlatching.
Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing.

Vertical Rods
1/2" O.D. tubular brass, bronze or stainless steel with rod guides.

Materials
Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection
3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging
Standard: single point 1/4 turn hex key dogging.
Optional: less dogging; specify M51.
Optional: cylinder dogging; specify M52.
Optional: electric dogging; specify M97.

Fasteners
Standard: machine screws.
Optional: sex nuts and bolts; specify M54.

Strike
Top: Adjustable roller strike with positive locking plate and shims.
Bottom: flush mounted.
Optional strikes available; see Options and Accessories, page 34.

Functions and Trims
Through-bolted lever, knob, pull, thumbturn and thumbpiece trims available with wide range of functions; see Trims and Functions, page 14.

Cylinders
Cylinder not included unless specified. See Quick Codes, page 38.

Shim Kit
Optional for mounting device over raised vision light moding; specify M58.

Applications and Listings
See page 3.

Warranty
Five-year limited.

Certification/Compliance

ANSI
Meets A156.3, Type 5, Grade 1.

UL/cUL
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. UL symbol on active case cover indicates listing.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA
All exit devices comply with NFPA 101 Life Safety Code.

ADA
Lever trims and pulls comply with Americans with Disabilities Act.

Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
BHMA 613E	Dark Oxidized Satin Bronze Equivalent
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626* (Trim only)	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield®
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield®
722	Black oxidized bronze,oil rubbed
BSP	Black Suede Powder Coat

***Contact factory for devices required in BHMA 626**

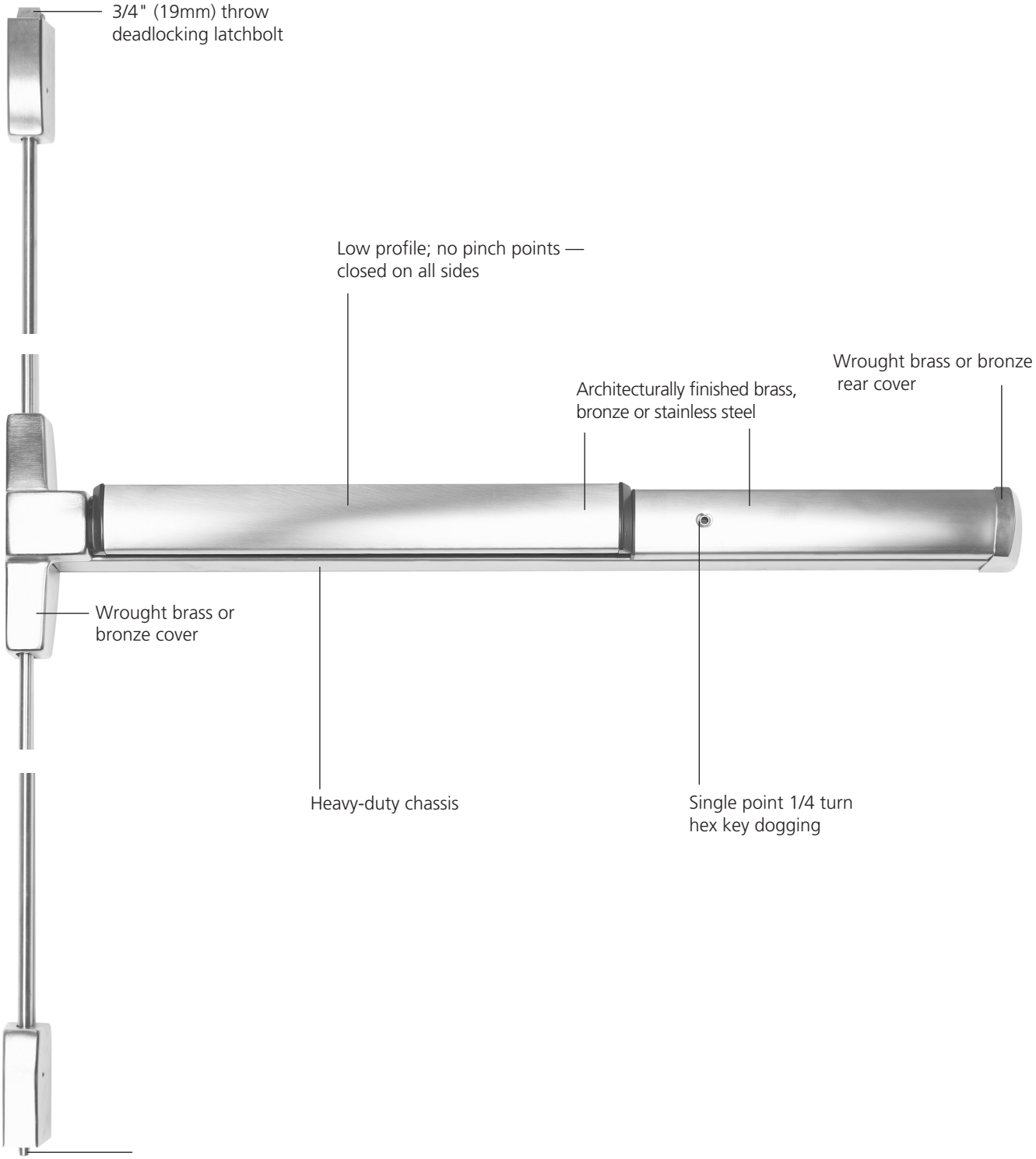
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Surface Vertical Rod Features

ED4000 Series

ED4400 Surface Vertical Rod Exit Device



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Concealed Vertical Rod Features

ED4000 Series

ED4800 Narrow Stile Concealed Vertical Rod Exit Device

Features

Handing
Device handed but easily field reversible. Lever trim handed.

Bar Length
Easily field cut to size.
Standard: 36" (914mm) bar fits 30"- 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36"- 48" (914mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 2" (51mm).

Door Height
Standard: Top rod for 8' door.
Telescoping rod assembly to accommodate various door heights.
Optional door heights available; see Quick Codes, page 38.

Latchbolt
Top: 3/4" (19mm) throw, pullman type with automatic deadlatching.
Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing.

Vertical Rods
1/2" O.D. tubing, electroplated for corrosion resistance.

Materials
Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection
3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging
Standard: single point 1/4 turn hex key dogging.
Optional: less dogging; specify M51.
Optional: cylinder dogging; specify M52.
Optional: electric dogging; specify M97.

Fasteners
Standard: machine screws.
Optional: sex nuts and bolts; specify M54.

Strike
Top: adjustable roller strike with positive locking plate and shims.
Bottom: flush mounted.
Optional strikes available; see Options and Accessories, page 34.

Functions and Trims
Through-bolted lever, knob, pull, thumbturn and thumbpiece trims available with wide range of functions; see Trims and Functions, page 14.

Cylinders
Cylinder not included unless specified. See Quick Codes, page 38.

Shim Kit
Optional for mounting device over raised vision light moding; specify M58.

Applications and Listings
See page 3.

Warranty
Five-year limited.

Certification/Compliance

ANSI
Meets A156.3, Type 6, Grade 1.
Meets A117.1 Accessibility Code.

UL/cUL
All devices listed for safety as panic hardware; devices comply with UL 305. UL symbol on active case cover indicates listing.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA
All exit devices comply with NFPA 101 Life Safety Code.

ADA
Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
BHMA 613E	Dark Oxidized Satin Bronze Equivalent
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626* (Trim only)	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield®
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield®
722	Black oxidized bronze,oil rubbed
BSP	Black Suede Powder Coat

***Contact factory for devices required in BHMA 626**

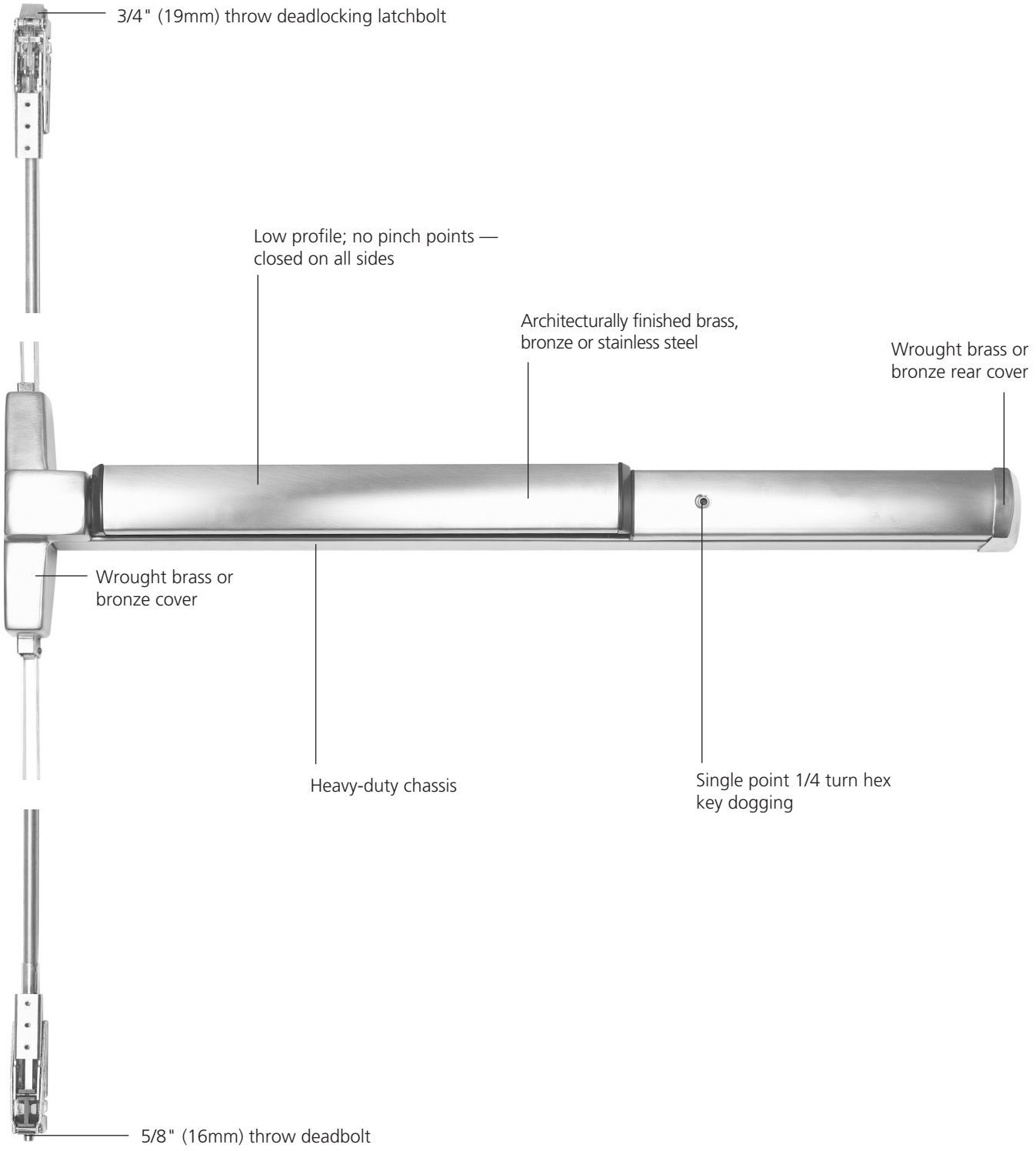
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Concealed Vertical Rod Features

ED4000 Series

ED4800 Concealed Vertical Rod Panic Exit Device



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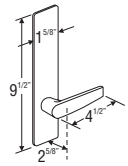
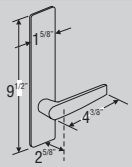
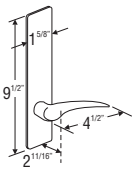
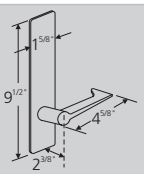
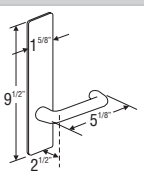
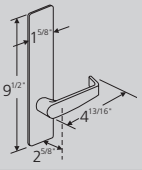
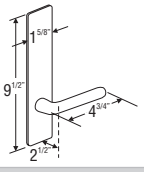
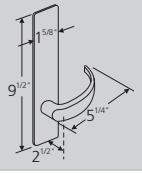
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Trims and Functions

ED4000 Series

Features:

- Fourteen architectural finishes
- Lever designs allow for design continuum with Corbin Russwin line
- 1-year limited warranty

Trim Designs			Passage ANSI No. 14	Dummy ANSI No. 02	Classroom* ANSI No. 08	Storeroom ANSI No. 09
	**Armstrong** **A8** Lever: Cast Escutcheon: Wrought Cylinder: Rim		A810ET	A850ET	A855ET	A859ET
	**Citation** **C8** Lever: Cast Escutcheon: Wrought Cylinder: Rim		C810ET	C850ET	C855ET	C859ET
	**Dirke** **D8** Lever: Cast Escutcheon: Wrought Cylinder: Rim		D810ET	D850ET	D855ET	D859ET
	**Essex** **E8** Lever: Cast Escutcheon: Wrought Cylinder: Rim		E810ET	E850ET	E855ET	E859ET
	**Lustra** **L8** Lever: Cast Escutcheon: Wrought Cylinder: Rim		L810ET	L850ET	L855ET	L859ET
	**Newport** **N8** Lever: Cast Escutcheon: Wrought Cylinder: Rim		N810ET	N850ET	N855ET	N859ET
	**Regis** **R8** Lever: Cast Escutcheon: Wrought Cylinder: Rim		R810ET	R850ET	R855ET	R859ET
	**Princeton** **PR8** Lever: Cast Escutcheon: Wrought Cylinder: Rim		PR810ET	PR850ET	PR855ET	PR859ET

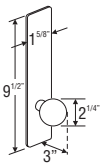
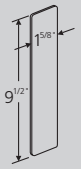
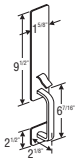
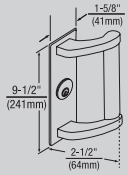
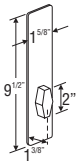
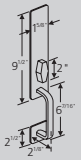
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ASSA ABLOY

Trims and Functions

ED4000 Series

Features:
- Fourteen architectural finishes
- Lever designs allow for design continuum with Corbin Russwin line
- 1-year limited warranty

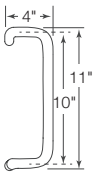
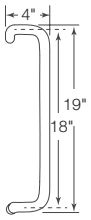
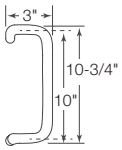
Trim Designs			Passage ANSI No. 14/15/16	Dummy ANSI No. 02	Classroom ANSI No. 05/08/11	Storeroom/Night-latch ANSI No. 03/06/09/12
	**Global** **G8** Knob: Wrought Escutcheon: Wrought Cylinder: Rim		G810ET (14)	G850ET	G855ET (08)	G859ET (09)
	**Plate** **F4** Plate: Wrought Cylinder: Rim		N/A	F450ET[2]	N/A	F457ET[2] (03)
	**Pull/Thumbpiece** **T14** Pull: Cast Escutcheon: Wrought Cylinder: Rim		T1410ET (15)	T1450ET[1,2]	T1455ET (05)	T1457ET[1,2] (06)
	**Pull** **P10** Pull: Extruded Escutcheon: Wrought Cylinder: Rim		N/A	P1050ET[2]	N/A	P1057ET[2] (03)
	**Plate x Thumbturn** **08** Plate: Wrought Thumbturn: Cast Cylinder: Rim		O810ET (16)	N/A	O855ET (11)	O859ET (12)
	**Pull x Thumbturn** **014** Pull: Cast Thumbturn: Cast Cylinder: Rim		O1410ET (16)	N/A	O1455ET (11)	O1459ET (12)
	**Key Only** **K1** Note: Available with cylinder option only. Ex: K157 x 6P		N/A	N/A	N/A	K157ET[2,3] (03)

Note: Classroom function trims can be converted to Storeroom function by a simple field adjustment.
1. Pull only, no thumbpiece.
2. Not recommended for use with surface or concealed vertical rod exit devices.
3. Not available in 625 or 626 finish. Supplied in 629 or 630 respectively.

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Utility Trims and Functions

ED4000 Series

Offset Pull Trim: P12, P13, P14*			
	**Offset Pull** **P12** Clearance: 2-1/2"		Specify Part Number, 716F50M x Finish[1]
	**Offset Pull** **P13** Clearance: 2-1/2"		Specify Part Number, 716F51M x Finish[1]
	**Offset Pull** **P14** Clearance: 2-1/2"		Specify Part Number, 716F52M x Finish[1]

1. Available in 605, 606, 612, 613, 626, 629 and 630 finishes.
*Available on 1-3/4" thick doors only.

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Trims and Functions

ED4000 Series

Lever Designs (Choose from list below)	Function				How to Order Example: Trim x Function # 102910			
	Passage ANSI No. 14 Function #810	Dummy ANSI No. 02 Function #850	Classroom ANSI No. 08 Function #855	Nightlatch ANSI No. 03 Function #859				
Muséo®								
Georgia	 101[4]	 102	 103	 104[4]	 124[2]	 125[2]		
Salvador	 106	 107	 108	 109	 110	 123[2]	 128[2]	
Marc	 111[4]	 112[4]	 113[4]	 114[4]	 115[4]	 116[4]	 130[2,4]	 131[2,4]  132[2,4]
Pablo	 117[4]	 126[2,4]						
Jackson	 105[4]	 119[4]	 121[4]	 122[4]	 127[2,4]			
Piet*	 21G	 21L	 21M	 21S	 23M	 25M	 27M	
Joseph[3]	 133	 134[2]	 135	 136[2]	 137	 138[2]		
Georges	 139	 140	 141	 142	 143			

**See pages 36 for how to order the Muséo® Piet Lever Collection.*
1. Classroom function trims can be converted to Storeroom function by a simple field adjustment.
2. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
3. 135-138 contain white or back polycarbonate insert
4. Not available in 32D or 32 finish

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Electrified Exit Devices

ED4000 Series

Electrified Exit Devices

The Corbin Russwin ED4000 series electrified exit devices offer a complete range of options that may be integrated into the monitoring security and alarm systems of most buildings. The continuum of appearance is maintained, as well as the security and function of the ED4000 series mechanical exit device.



List No.	Exit Device Description	Available Options						
		M61	M91	M92	M93	M97	D	MELR
ED4200	Rim Exit Device	x	x	x	x	x	x	x
ED4200S	Rim SecureBolt® Device	x	x	x	x	x	x	x
ED4400	Surface Vertical Rod	x	x	x	x	x	x	x
ED4800	Concealed Vertical Rod	x	x	x	x	x	x	x

Electrified Hardware Option Descriptions

M61	Alarm Option
M91	Bolt Monitor
M92	Touchbar Monitor
M93	Trim Monitor
M97	Electric Dogging
D	Delayed Egress
MELR	Motorized Electric Latch Retraction

* Add as suffix to exit device.
Example: ED5400D x 630 x RHR

Notes:

1. The following options cannot be ordered together on the same device:
   - D x M52 — M52 x M61
   - D x M61 — M52 x M97
   - D x M92 — M61 x M92
   - D x M97 — ED4400 x M61 with Monitors M91, M92 or M93
   - D x MELR — MELR x M97
   - D x MELR — MELR x M61
2. When ordering a Surface Vertical Rod exit device with the D option (ED4400D), rod and latch quards (provided by others) must be used.

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Corbin Russwin
ASSA ABLOY

Electrified Exit Devices

ED4000 Series

Electric Latch Retraction - MELR

The Motorized Electric Latch Retraction (MELR) exit device provides remote-controlled latch retraction that delivers quiet, smooth operation for convenient, hassle-free egress. Easily installed in new applications and available as retrofit rail kit assemblies for field updates, the MELR features maintenance-free design with few moving parts using 86% less power consumption during retraction than solenoid devices. Plus, MELR is powered by a standard power supply, simplifying installation and increasing system design flexibility.

Application

SecureBolt® Exit Devices
Rim Exit Devices
Surface Vertical Rod Exit Devices
Concealed Vertical Rod Exit Devices
Mortise Exit Devices

Listings

UL listed for both Panic and Fire Exit Hardware. Windstorm rated with M107 option.

Bar Length

Easily field cut to size.

Standard: 36" (914mm) bar fits 34"- 36" (762mm-914mm) door.

Optional: 48" (1219mm) bar fits 40"-48" (914mm-1219mm) door; specify W048

Electrical Specifications

24VDC (BPS-24-1) regulated/filtered power supply. Requires 1A per device

Motor Driven Latch Retraction

.65 amp max during retraction
.2 amp holding-continuous duty

Device bolts remain retracted for as long as the device is energized.
Removal of power returns the device to the life safety, self-latching mechanical mode.
Interface with central or local fire alarm system, automatic door operators, access control systems, security alarm systems, and blow open door systems.

Amount of rail retraction is automatically controlled by controller PC board; system actively monitors position and speed and adjusts itself.

Timer

Digital retraction timer (0-20 seconds) or set to power mode for access control systems.

Hinges

Standard electric hinge. No special power transfer required.

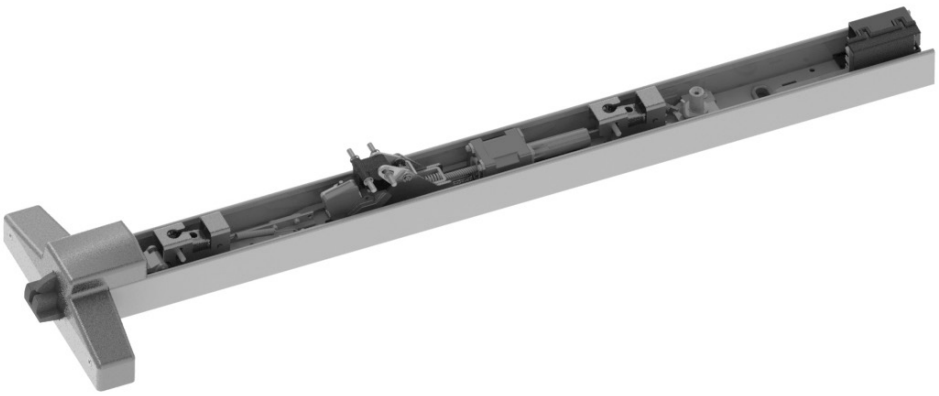
Note: This feature is not available with Electric Dogging (M97) or delayed egress (D) on the same device.

Warranty

5 years

How to Order

Specify Quick Code MELR.



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MELR Retrofit Device Assembly

ED4000 Series

Existing solenoid and mechanical exit devices can be retrofit to motorized electric latch retraction (MELR) by purchasing retrofit kits via the following associated part numbers.

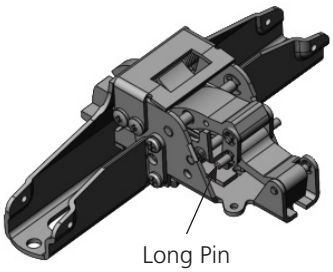
Part Number	Product	Kit Description
727F228	Device ASSY, MELR 36"	MELR rail assy, no switches, no latch, with controller, with touchbar end cap
727F238	Device ASSY, MELR 48"	
726F998	Device ASSY, MELR 36" NS x M93	MELR rail assy, M93, no latch, with controller, with touchbar end cap
726F388	Device ASSY, MELR 48" x M93	

Note:
- For devices that use the M91 option, simply connect the wire from the existing switch to the new rail.
- For devices that use the M92 option, the existing switch needs to be moved and wired to the new rail.
- For a list of replacement parts for existing motorized electric latch retraction devices, contact Technical Product Support at 888-607-5703.
- 782 Controller CANNOT be used with MELR. Recommend BPS-24-xx

Latchhead Assemblies Requirements

The MELR retrofit device assemblies can only be added to ED4000 Series exit devices manufactured after April 2015.

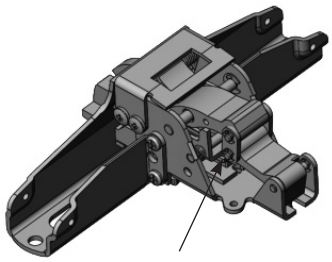
Latchhead Pins (Beginning April 2015 (17/15))



Long Pin

Latch Head Pins (Prior to April 2015 (17/15))

Devices with short pins can NOT be upgraded. New latch head must be ordered for upgrade to MELR.



Short Pin

Note: Label with date code is located on front face of latch head.

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Electrified Exit Devices

ED4000 Series

Electric Dogging - M97
This electronic feature will provide continuous dogging when power is applied and the push bar is depressed manually. Interruption or removal of the power will release the pushbar and return the exit device back to normal operation.

Application
SecureBolt® Exit Devices
Rim Exit Devices
Surface Vertical Rod Exit Devices
Concealed Vertical Rod Exit Devices

Listings
UL listed for Panic Exit Hardware.

Electrical Specifications
.35 Amps @ 24VDC-28VDC continuous duty (2) 36 volt holding magnets holding force (86 lbf. total)

Note: This feature is not available with latch pullback (MELR), delayed egress (D) or cylinder dogging (M52) on the same device.

Ordering
Specify quick code M97.

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Electrified Exit Devices

ED4000 Series

Delayed Egress Exit Device - D
The delayed egress option provides additional security and safety in a strong line of panic hardware. The delayed egress exit device is an electromechanical device used to secure interior or exterior openings. The option is available for rim, SecureBolt® and concealed vertical rod devices in all standard finishes.

Operation
The exit door is normally closed and latched. The Delayed Egress Exit Device "D" secures the door in the locked mode with the solid Red LED indicating locked mode status. Depressing the push pad for less than 3 seconds will sound the nuisance beep without initiating the alarm. Depressing the pushpad for 3 seconds or longer will initiate an irreversible local audible beeping tone and a visual amber indicator until the device releases. The person depressing the exit bar is denied egress for 15 or 30 seconds and security personnel are alerted. After the delay time of 15 or 30 seconds the device releases, the LED changes to Green, and the alarm changes to a steady tone which continues to alarm until manually reset by key. The remote monitoring contact outputs can be used to alert security personnel.

Note: The 15-second time delay is standard. 30-second time delay is optional (may be accepted by local jurisdiction).

Applications
- For use on hollow metal interior or exterior doors.
- Complies with NFPA 101 "Code For Safety To Life From Buildings And Structures" by National Fire Protection Association.
- BOCA options available to comply with National Building Code requirements. BOCA option is not suitable for installations in accordance with NFPA 101.
- 1-3/4" door thickness standard; 2" and 2-1/4" optional; specify D200 or D214 when ordering.
- Standard 36" device fits 36" doors only. Device cannot be cut less than 36".
- Option W048 fits doors 42" – 48". Devices cannot be cut less than 42".



Listing
- UL/cUL Listed
  - – Controlled Exit Panic Devices (FULA/FULA7)
  - – Special Locking Arrangements (FWAX/FWAX7)
- BHMA (ANSI A156.3 and ANSI A156.24) Directory of Certified Exit Devices

Specifications
Input Voltage: 24VDC (+/- 10%) Regulated and filtered.

Power Consumption
- Standard Device: 500 mA

Standard Features
Key Switch Operation:
- Normal: The system is armed by applying power to the device (solid Red LED). Depressing the pushpad for more than the nuisance delay time starts the exit delay cycle.
- Bypass: Turning the key switch clockwise to the bypass position allows immediate egress without alarming. The bar functions as a standard exit device. (Red LED flashes slow.)
- Reset/Delay: Used to reset device after the factory set 15 or optional 30-second delay cycle has timed out. If the device is armed, turning the key switch counterclockwise to the reset mode will release the device without alarm for egress and will rearm after 10 seconds. (Red LED flashes quickly.)

Local Visual Status Indicator:
- RED: The exit device is secure and the delayed egress circuitry is energized.
- AMBER: The egress cycle has started, indicated by an irreversible local audible beeping tone.
- GREEN: Exit device is in alarm and has released.

Nuisance Delay Time:
Depressing for less than 3 seconds sounds an audible beep without activating the irreversible alarm sequence. (Immediate alarm can be selected by removing a jumper on the control board.)

Internal Alarm Siren:
When the exit device is armed, depressing the push pad initiates the internal 85db alarm siren.

Remote Control Inputs:
- Remote Reset: Accepts a momentary contact (keyswitch, pushbutton, etc.) to reset the unit during alarm or allows momentary egress (10 seconds) when the unit is armed.
- Remote Bypass: Accepts a momentary contact to put the unit in a maintained bypass operation. The exit device functions as a standard device.

Alarm Outputs:
Two sets of normally open and normally closed contacts. Contacts change only during alarm status. One set of contacts changes when device delay cycle has started (Alarm). One set of contacts changes when device has released (Secure).

Door Sign:
Door sign per code included.

Note: This feature is not available with,

M52	Cylinder Dogging
M61	Alarm Option
M92	Touchbar Monitor
M97	Electric Dogging
MELR	Motorized Electric Latch Retraction

How to Order
Specify "D" suffix after device.
Example: ED4200SD

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Electrified Exit Devices

ED4000 Series

Options

Bolt Position Monitor M91:
SPDT (Single Pole Double Throw) switch that monitors the position of the latchbolt or vertical rods. To order, specify M91.

Outside Trim Monitor M93:
Used when outside trim is desired to be used with an external door position switch (by others) input. This switch will allow Bypass (disarms device) when the trim is used for ingress. The device requires setting after entry by means of the keyswitch on the device or a remote switch. To order, specify M93.
Note: If an external DPS is not used, standard trim will allow entry without affecting the device in an armed mode. The device will only be affected when the touchbar is depressed.

NFPA 101 Requirements:
30 Second Delay M88
Upon depressing the pushpad for 3 seconds or longer, the device will sound an audible beeping tone and allow the door to be opened after 30 seconds. The tone will then change to a continuous alarm until reset. Resetting of the alarm and re-arming of the device is accomplished by manual means only.
To order, specify M88.
Note: Where approved by the authority having jurisdiction, a delay not exceeding 30 seconds shall be permitted.

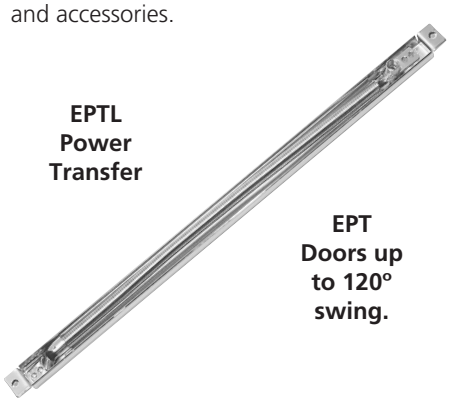
BOCA Requirements:
BOCA 15 Second Delay M89
BOCA 30 Second Delay M90
Upon depressing the pushpad for 1 second or longer, the device will sound an audible beeping tone and allow the door to be opened within 15 (or 30) seconds. The tone will then change to a continuous alarm until rest. Resetting of the alarm and re-arming of the device occurs automatically once the door has been returned to the closed position for 30 seconds. The 30-second re-arming timer will re-start if the pushpad is depressed or the door is re-opened before actual re-arming of the device occurs. A DPS (Door Position Switch) is required for the BOCA option.
To order, specify M89 (BOCA 15 second) or M90 (BOCA 30 second).
Note: BOCA option is not suitable for installations in accordance with NFPA 101.

Required Accessories

Power Supply:
A regulated and filtered power supply with a Fire Alarm interface is required.
1 Amp minimum @ 24VDC per device.
Special options will require more amperage. Consult factory.
To order, specify:

- BPS-24-1 (1 AMP)
- BPS-24-2 (2 AMP)
- BPS-24-4 (4 AMP)

Power Transfer:
Allows the power to make the transition from frame to door without pinching or removal of insulation. Optional power transfer: EPTL – concealed transfer for up to and over 120° swing doors. To order specify Part No. 704F28. Consult catalog for additional recommended power supplies and accessories.



Trims
See Trims and Functions, pages 14-15.

Cylinders
Utilizes a 1-1/8" mortise cylinder with an A02 cam. Cylinder not included unless specified. See Quick Codes, page 34.

Warranty
Exit devices carry a five-year limited warranty. Electronic components carry a two-year limited warranty. Trim carries a one-year limited warranty.

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M61 Option and ED40AK Alarm Kit



Activation
Alarm is armed by turning key clockwise. Low audible chirp indicates alarm has been activated. 20-second delay allows egress before alarm is set (selectable, 7, 10, 15 and 20) Alarm will sound when the exit device pushpad is depressed.

Continuous Alarm Mode
Alarm sounds continuously when the exit device pushpad is depressed. Alarm must be manually reset by keyswitch. Dip switch setting allows auto reset from 2, 5 or 10 minutes. LED flashes after device has reset.

Low Battery Warning
Audible chirp every 30 seconds.

Warning Decal
"EMERGENCY EXIT–ALARM WILL SOUND" provided.

REX and Passage Delay
A 7, 10, 15 or 20-second delay (after arming) permits egress (by turning key clockwise).

Alarm Shunt
Shunt alarm input for devices with signal, outside trim monitors (M91 & M93)or card access.

Power Requirements
One 9-volt battery (included).

Alarm Strength
105db @ 10 feet.

Arm/Disarm
Requires one 1-1/8" mortise cylinder with an A02 cam. Clockwise turn arms the alarm, counterclockwise turn disarms or silences the alarm. Low audible chirp indicates alarm has been activated.

Device Status
A Red LED indicator will illuminate every 30 seconds when the alarm is armed. DIP switch allows LED to be changed to green if desired.

Tamper Resistant
Built-in safety monitor sounds alarm when tampering occurs.

Cylinders
Cylinder not included unless specified. See How to Order, page 38.

Door Width
Available for 36"-48" devices only. Not available with devices less than 36". 48" device can be cut to fit 42" door.

Quick Code
M61

Kit
Available in kit form for field retrofit. Order ED40AK.

Hard Wired Option
A hard wired option is available by using a 9VDC output power supply and a remote power harness. Specify 784 to order the 9VDC output power supply. See page 28 for 784 power supply information. Specify 709F989 to order the remote power harness for a 36" device and specify 709F999 to order the remote power harness for a 48" device.

Exceptions
Dogging not available with M61 option and ED40AK alarm kit. The ED40AK for the ED4000 series exit devices cannot be retrofitted in the field to ED4400 series surface vertical rod exit devices.

The alarm option is available for the surface vertical rod devices by factory order only. To order, add the quick code suffix M61 to the device number; for example, ED4400 x M61.

Please note, in accordance with Corbin Russwin's standard limited warranty, any attempt to retrofit the ED40AK to a surface vertical rod exit device will void the warranties for these products.

Surface vertical rod exit devices with M61 alarm option cannot be ordered with M91, M92 or M93 monitors.

M61 alarm option is not available with delayed egress (D).

How to Order

Ordering example for Exit Device

ED4400	626	M61
↓	↓	↓
Device	Finish	Quick Code for Alarm Option (Cylinder Not Included)

Ordering Example for Alarm Kit Only

ED40AK	626	W048
↓	↓	↓
Alarm Kit	Finish	Door Width (Cylinder Not Included)

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Electrified Exit Devices

ED4000 Series

BPS-24-2 Power Supply

Provides 2 Amps of output current at 24VDC and can control a total of 5 Electric Dogging Devices. A separate switching device (key switch or push button) must be used to control the locking device.

Specifications

- 120VAC Input Power
- 24VDC @ 2 Amp Output
- Fire Alarm Interface

BPS-24-4 Power Supply

Provides 4 Amps of output current at 24VDC and can control a total of 10 Electric Dogging Devices. A separate switching device (keyswitch or push button) must be used to control the locking device.

Specifications

- 120VAC Input Power
- 24VDC @ 4 Amp Output
- Fire Alarm Interface

EPTL

Concealed power transfer for over 120° swing doors. Installs in door and frame edges. Supports wires up to .25" (6mm) thick, and works with doors hung with butt hinges, continuous hinges and pivots. To order, specify Part No. 704F288.

EPT
Doors up to 120° swing.



EPTL

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Monitors - M91, M92, M93

Operation
Monitors are used to indicate the authorized and unauthorized use of an opening or to signal and control other opening hardware, such as magnetic locks. Each monitoring device is equipped with one internal single-pole double-throw (SPDT) switch per monitor.

Bolt Position Monitoring - M91

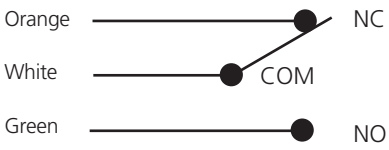
Provides indication of the position of the deadlatch or vertical rods. Used with security systems to monitor the deadlatch in rim, SecureBolt® devices and rods in CVR & SVR devices.

Application
See chart on page 16.

Listings
UL listed for Panic Exit Hardware.

Electrical Specifications
5 Amps @ 28VDC SPDT contacts.

Ordering
Specify quick code M91.



Touchbar Monitoring - M92

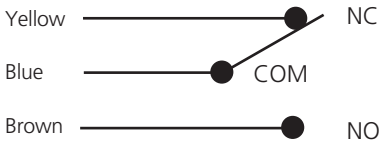
Provides indication of the pushpad being depressed. Used as a request to exit to shunt alarm systems, release electromagnetic locks or monitor egress.

Application
See chart on page 16.

Listings
UL listed for Panic Exit Hardware.

Electrical Specifications
4 Amps @ 250 VAC SPDT contacts.

Ordering
Specify quick code M92.



Outside Monitoring or Signaling - M93

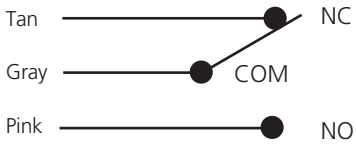
Provides indication of the device being operated from the outside. Used as a request to enter signal switch to shunt alarms; also used to monitor entry.

Application
See chart on page 16.

Listings
UL listed for Panic Exit Hardware.

Electrical Specifications
5 Amps @ 28VDC SPDT contacts.

Ordering
Specify quick code M93.



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Corbin Russwin
ASSA ABLOY

Electrified Options & Accessories

ED4000 Series

BPS Power Supply

Operation

Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. All modular power supplies are designed to meet UL 1481 Standards. Recommended for the SAF, SEC, M97, delayed egress exit devices and electric trim.

Features

- Fire panel emergency release input
- PC Board mounted system LED indicator
- Regulated and filtered with input and output protection
- Battery charging is provided from a separate output terminal

Electrical Specifications

- Inputs: 115VAC @600mA
- Outputs: 12/24 VDC @ 1 Amp, 1.5 Amp or 4 Amp, Filtered and regulated output

Listings

- UL & cUL listed 1012 General Purpose Power Supply
- Fire & Burglar Alarm Power Supply Unit URT2
- Releasing device Accessory SYSW
- Access Control Systems Units ALVY
- Burglar Alarm Systems Power Supply APHY

Applications

- D – Delayed Egress
- M97 – Electric Dogging
- SAF – Fail Safe mortise device trim control
- SEC – Fail Secure mortise device trim control

Note: Batteries are not included with the BPS power supply.

784 Power Supply

Features

- Provides a filtered and regulated 9 VDC remote power
- Requires raceway through the door*

Includes:

- Plug-In Wall Transformer with approximately12' (3.6m) of shielded wire that provides input power to the power supply
- Includes 12' (3.6m) of shielded wire for connection between power transfer and power supply
- To order separately, specify 793F039

*Recommended for new opening. Retrofit application may require surface mounted wire mold and transfer loop by others.

Model	Enclosure	Input	Output
BPS-24-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1.0 Amp @ 24 VDC
BPS-24-2	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	2.0 Amp @ 24 VDC
BPS-24-4	15" (381mm) x 18" (457mm) x 6" (152mm)	115VAC, 50/60 Hz.	4.0 Amp @ 24 VDC
BPS-12-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1 amp @ 12 VDC
BPS-12-3	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	3 amp @ 12 VDC



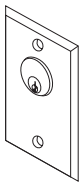
BPS Power Supply



784 Power Supply

Exit Controls and Switches

Key Switches



MKA

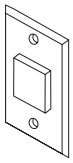
MKA - (1) SPDT Maintained
MK - (1) SPDT Momentary
MKN - (1) SPDT Momentary NS
MK2 - (1) DPDT Momentary
MKPZ x MKS - (1) SPDT Momentary with audio Double Gang x Additional Switch
Note: All key switches come standard with 12/24 VDC bi-color LED.

Specifications

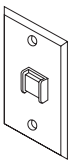
- Keyswitch for operation using a standard 1-1/8" mortise cylinder (A02 cam) (cylinder not included).
- Contact Rating 5 Amps @ 12-24VDC
- SPDT 3-position.

Push Buttons

PB2



PB3



PB2 - (1) SPDT Momentary
PB2 - (1) DPST Remote Momentary
PB3 - (1) DPST Momentary
PB3A - (1) DPST Maintained (Alt. Action)
PB3EA - (1) DPST Alternate

Specifications

- 3 Amps @ 12-24 VDC

Audible/Visual Annunciators



PZ1

PZ1 - Sonalert 90db @ 2ft. 12-24VDC. Mounted on one gang stainless steel plate.

Digital Entry

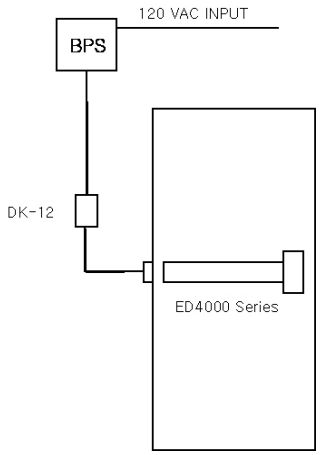
DK-12 - Digital Keypad - 4 User
DK-26SS - Digital Keypad NS - 59 User - SS Finish
DK-26BK - Digital Keypad NS - 59 User - Black Finish

Power Transfers

TSB B-C - Door Cord

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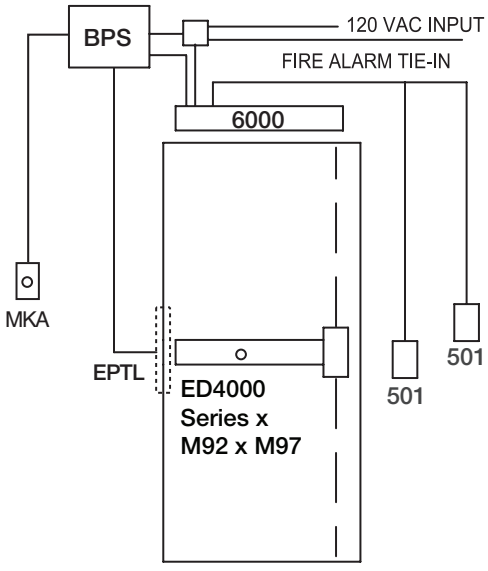
Latch Pullback - MELR Option



Components
ED4000 Series x MELR Latch Retraction Exit Device - Corbin Russwin
DK-12 – Digital Keypad
Power Transfer Hinge

Operation
Operation of DK-12 Digital Keypad will allow keyless entry from the non-protected side of opening. Free exit using the exit device from the protected side of the door.

Electric Dogging & Touchbar Monitoring Switch - M97 & M92



Components
ED4000 Series x M92 x M97 with Cyl. + Bar Monitor &
Electric Dogging - Corbin Russwin
6000 Operator - Norton
501 Push Pad - Norton
Power Transfer Hinge
BPS Power Supply - Corbin Russwin
Key Switch - Corbin Russwin

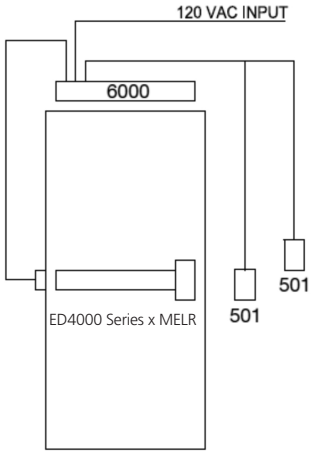
Operation
Operation of Electric Dogging combined with the Door Monitor Switch will enable Push Pads for operation of the 6000. A maintained keyswitch will control the activation of the electric dogging which is powered by the Power supply. A Fire Alarm Tie-In, if required, will release the dogging and let the operator work in manual mode when activated. (NOTE: Electric Dogging is not automatic like Latch Pullback. It requires the bar to be pushed in manually the first time after applying power.)

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Electrified Applications

ED4000 Series

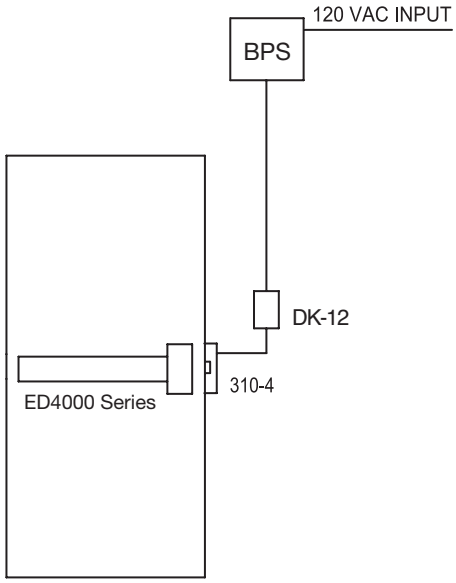
Latch Pullback - MELR Option with Norton® 6000 Door Operator



Components
ED4000 Series x MELR Latch Retraction Exit Device - Corbin Russwin
6000 Operator - *Norton*
501 Push Pads - *Norton*
Power Transfer Hinge
Keyswitch - Corbin Russwin

Operation
Activation and operation of Push Pads from either side of door will be controlled by the Maintained Keyswitch. The Push Pads will in turn activate Latch Retraction Exit Device. An internal timer on the 6000 will coordinate and prevent the door from being opened before latch retraction takes place. Standard timers on the 6000 will also provide length of time door is open and latch being retracted. Door operator also acts like standard closer when opened manually.

Exit Device with Electric Strike



Components
ED4000 Series Exit Device – Corbin Russwin
DK-12 – Digital Keypad
310-4 Electric Strike – Folger Adam®
BPS Power Supply – Corbin Russwin

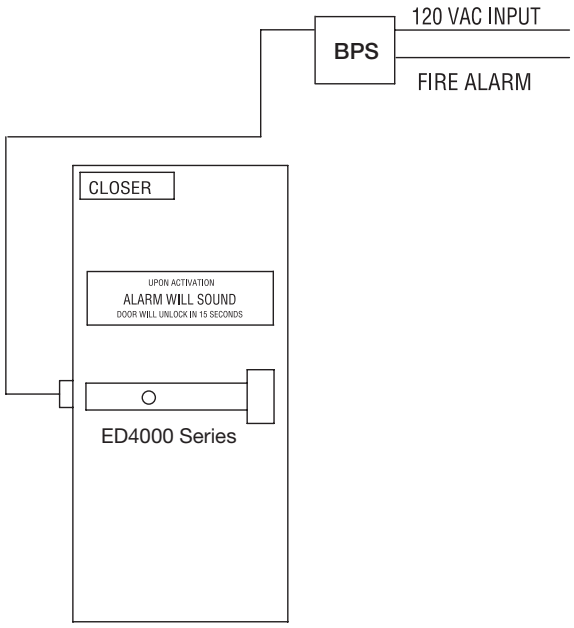
Operation
Operation of DK-12 Digital Keypad will allow keyless entry from the non-protected side of opening. Free exit using the exit device from the protected side of the door.

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Electrified Applications

ED4000 Series

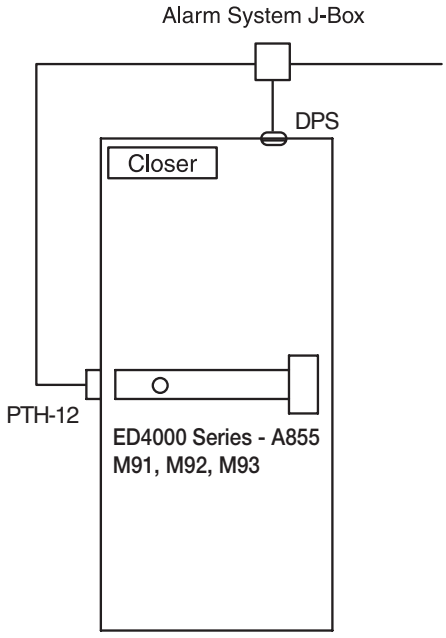
Exit Device with Delayed Egress Option on "Exit Only" Door



Components
ED4000 Series Delayed Egress Exit Device – Corbin Russwin
Power Transfer Hinge
BPS Power Supply – Corbin Russwin
Surface Door Closer – Corbin Russwin

Operation
Operation of the ED4000 Series Exit Device will sound an alarm and activate either a 15- or 30-second alarm sequence inside of the exit device. After this time period, the device will release the pushbar, making it active, and egress is possible. When the fire alarm is activated, power to the exit device will be interrupted, allowing free egress and mechanical latching. Authorized alarm bypass and reset is done through the built-in keyswitch located in the exit device.

Exit Device - High Security Application M91, M92 and M93 Monitoring Switch Options With FAMSS-1C Door Position Switch



Components
ED4000 Series - A855 Nightlatch Trim – Corbin Russwin
- M91 Bolt Monitor Switch
- M92 Touchbar Monitor Switch
- M93 Trim Monitor Switch

Door Position Switch
Power Transfer Hinge
Surface Door Closer – Corbin Russwin

Operation
Operation of the ED4000 Series Exit Device with the M91, M92, M93 and a door position switch can be used together or individually to sound an alarm, shunt an alarm, monitor the door's security or as a "Request to Exit" in conjunction with a magnetic lock.

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Corbin Russwin
ASSA ABLOY

Mullions

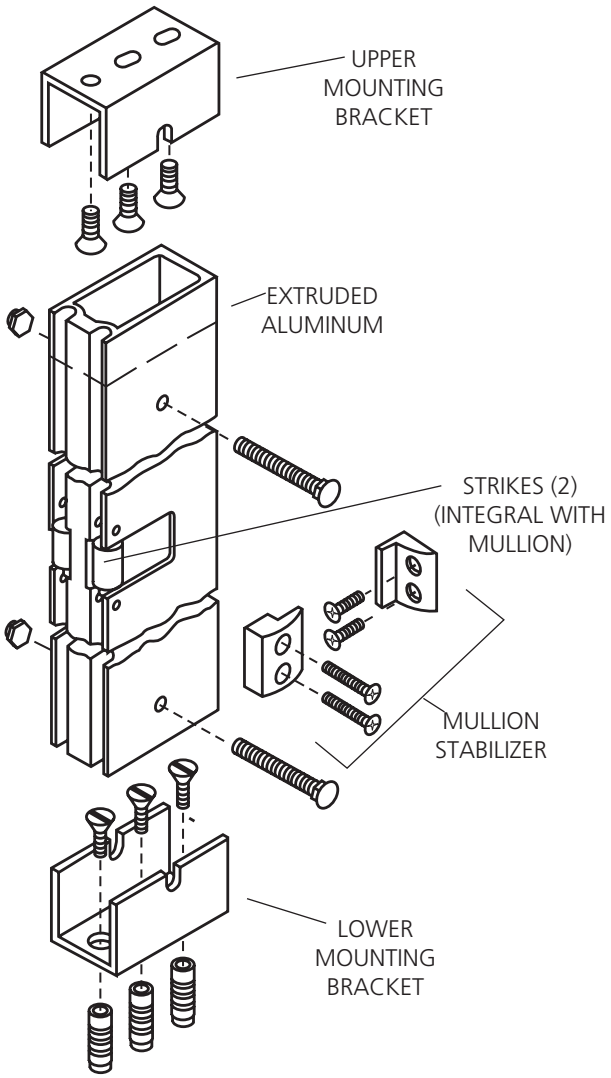
ED4000 Series

CR808 Mullion
Used to install two Rim Exit Devices in a double door opening. May be quickly and easily removed when a full double door opening is temporarily required.

Materials and Finish
Extruded aluminum mullion,
1-1/4" x 3-1/2" x 8'2" (for 8'0" doors), supplied with two integral strikes, top and bottom mounting brackets, two sets of mullion stabilizers, and zinc-plated fasteners for metal frames and concrete floors. May be cut, drilled and tapped in the field for Rim Exit Devices. Available in 628 and 695 finishes.

Ordering
To order, specify Part No. CR808* x Finish.

Mullion Stabilizer Kit
Controls the movement of the mullion. Recommended for openings over 7' high or whenever door movement must be minimized. Available in 628 and 695 finishes. Two sets supplied standard with all CR808 mullions. To order separately, specify Part No. 653F11-1 x Finish.



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Options and Accessories

ED4000 Series

Shim Kits

Designed for mounting an exit device over raised vision light molding. Each kit contains two sets of 1/8" thick shims to shim a device 1/8" (3mm) or 1/4" (6mm). Black finish. To order with exit device, specify M58. To order separately, specify Part No.

Exit Device Type	Shim Kit Part No.
ED4200, ED4200S, ED4800	697F35-8
ED4400	697F36-8

Cylinder Dogging Kits

Designed to convert a panic device from hex key dogging to cylinder dogging. To order cylinder dogging kit, specify Part No. x Finish below. Cylinder not included.

Bar Length	Cylinder Dogging Kit Part No.
36" (914mm)	653F13 x Finish
48" (1219mm)	653F14 x Finish

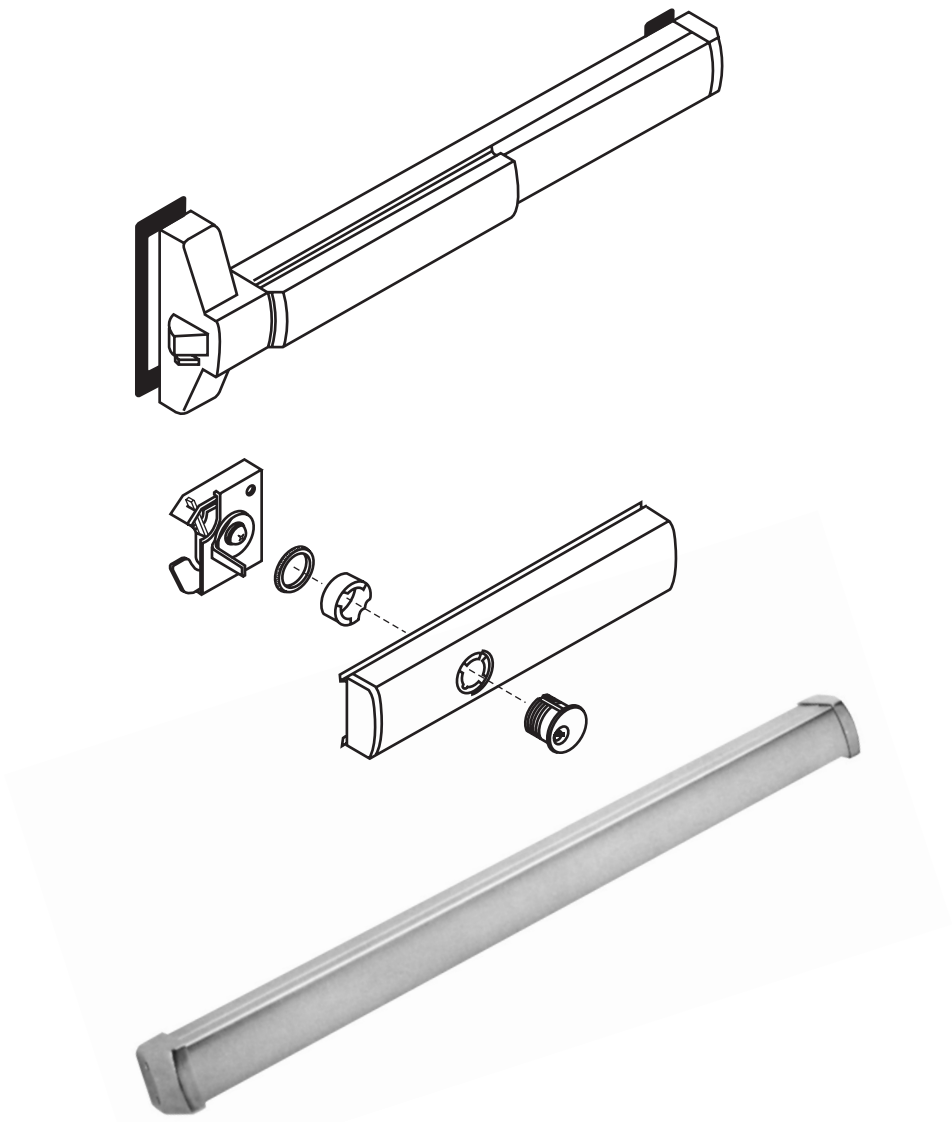
ED5000DB Inactive Bar

Non-operating dummy pushbar available for doors up to 48" wide. May be field cut for narrower doors. To order, specify ED5000DB x Finish.

Surface and Concealed Vertical Rod Extension Kits

Used to extend the height of standard length rods supplied with ED4400 and ED4800 Series exit devices. Available in 2", 6" and 12" sizes. To order with exit device, see How to Order, page 35. To order separately, specify Part No. x Finish.

Rod Extension	Rod Extension Kit Part No.
2" (50mm	655F15 x Finish
6" (152mm)	655F16 x Finish
12" (305mm)	655F17 x Finish
24" (610mm)	684F42 x Finish



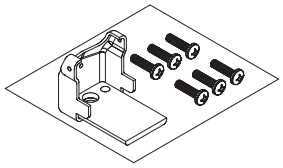
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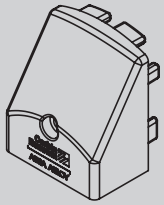
Options and Accessories

ED4000 Series

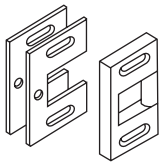
Rim Strike
(Screws Included)



End Cap Reinforcement**
A solid steel plate, welded to the end bracket, evenly distributes impact forces over a larger surface area, eliminating point loading. To order with an exit device, specify M109. To order separately specify 705F09 x finish.

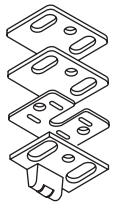


Flush End Cap
Durable heavy-duty cast steel or stainless steel, sits flush on the exit device rail and has a low profile which eliminates catch points. To order with a device, specify M110. To order separately specify 710F00M x finish.



Rim Strike
Standard on ED4200 and ED4200S devices, Supplied with two 1/16" (2mm) shims. For doors with 1/2" (13mm) or 5/8" (16mm) stop. Adjustable to compensate for shrinkage and swelling of door. 3" x 2" (76mm x 51mm). Black finish only. To order separately, specify 650F31-8.

Surface and Concealed Vertical Rod Strikes
(Screws Included)

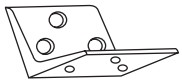


Top Strike
Standard on ED4400 and ED4800 devices. Supplied with two 1/16" (2mm) shims and one 1/16" (2mm) locking plate. Adjustable to compensate for shrinkage and swelling of door. 1-9/16" x 15/16" (40mm x 24mm). Black finish only. To order separately, specify 650F548.

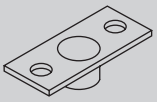


Bottom Strike
Standard on ED4400 and ED4800 devices. 1-1/16" (27mm) diameter x 1/16" (2mm) lip x 11/16" (17mm) high. Black finish only.

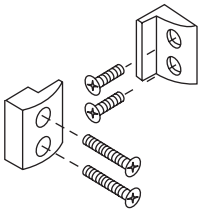
Both top and bottom strikes are included in the vertical rod parts packet. To order parts packet, specify 650F57-8.



Flush Transom Top Strike Bracket
Optional for use with ED4400 devices. Used to mount top strike on openings with flush transom. 2-1/2" x 1-5/8" (64mm x 41mm). Black finish only. To order with exit device, specify M67. To order separately, specify 650F87-8.



Bottom Strike for 1/2" Thresholds
Optional for use with ED4400 and ED4800 devices. Required for 1/2" (13mm) threshold or for flush mount. 2-5/8" x 1-1/16" (67mm x 27mm). Black finish only. To order with exit device, specify S09. To order separately, specify 650F88-8.



Mullion Stabilizer Kit
Controls the movement of the mullion. Two sets supplied standard with all CR808 mullions. Available in 628 and 695 finishes. To order separately, specify Part No. 653F11-1 x Finish.

Filler Plates



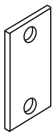
Optional for use on stock metal doors when required. To order, specify Part No. x Finish.

Front: 334F99-8 600



Optional for use on stock metal doors when required. To order, specify Part No. x Finish.

Strike: 236L708018 x Fin



Optional for use on stock metal doors when required. To order, specify Part No. x Finish.

Front: 077F19-8 600

Photoluminescent Touchpad Cover
The PathLite™ patent pending technology offers a number of benefits:
- Requires no wiring or maintenance
- Recharges with exposure to ambient light
- Unaffected by heat or cold
- Non-toxic, will not rub or fade
- Vandal resistant

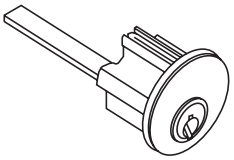
**Note: Six 1/4 x 20 screws come standard with either M109 option or 705F09 kit. Only two screws required to fasten end cap assembly to door for retrofit. Other four screws are used with SecureBolt® Latch Head if ordered as an M109 option with complete device. When the kit is ordered a new end cap is also supplied.

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Cylinders

ED4000 Series

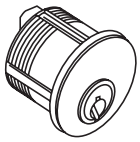
Rim (Trim Only)



Description	Part Number	Cylinder Ring	Part Number	Cylinder Ring** 57 Function Only
6-pin	CR3000-058	270F15	CR3000-200N*	270F15
7-pin	CR3000-058-7	654F07	CR3000-200-7	654F07
6-pin, IC	CR3080-058	654F07	CR3080-178	654F07
7-pin, IC	CR3080-058-7	654F08	CR3080-178-7	654F08
6-pin, IC, less core	CR3070-058	654F07	CR3070-178	654F07
7-pin, IC, less core	CR3070-058-7	654F08	CR3070-178-7	654F08
6-pin, Security	CR3010-058	654F07	CR3010-200	654F07
6-pin, Security IC	CR3090-058	654F07	CR3090-178	654F07
7-pin, Pyramid	CR3020-058	654F07	CR3020-200	654F07
7-pin, Pyramid IC	CR3030-058	654F07	CR3030-178	654F07

*For K157, substitute -200
**K157 uses the 270F15 cylinder ring

Mortise (Cylinder Dogging Only)



Description	Part Number	Cylinder Ring
6-pin	CR1000-118-A02	N/A
7-pin	CR1000-114-A02-7	270F15
6-pin, IC	CR1080-114-A02	270F15
7-pin, IC	CR1080-112-A02-7	654F07
6-pin, IC, less core	CR1070-114-A02	270F15
7-pin, IC, less core	CR1070-112-A02-7	654F07
6-pin, Security	CR1010-118-A02	270F15
6-pin, Security IC	CR1090-114-A02	270F15
7-pin, Pyramid	CR1020-114-A02	270F15
7-pin, Pyramid IC	CR1030-114-A02	270F15

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How to Order the Muséo® Piet Levers

ED4000 Series

Muséo® Piet Lever Collection Trim and Finish Options



Grooved Insert 21G



Leather Insert 21L



Polished with Satin Insert 21M



Santoprene™ Insert 21S



With Raised Band 23M



Plain 25M



Plain with Two Grooves 27M

Piet Finish Codes

BHMA Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
N/A	BH	Wood insert
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	292929 or 303030
21L	Leather Insert	29BK29, 29BN29 or 30BK30, 30BN30
21M	Metallic Insert	293029** only
21S	Santoprene Insert	29BK29 or 30BK30
23M	Raised Band	290029, 300030 or 290030**
25M	Plain	290029 or 300030
27M	Two Grooves	290029 or 300030

**Two-tone finish - grip of lever is 630, balance of lever is 629. Escutcheon finish will be 618.

Ordering Examples

Trim Only

Quantity	Trim/Function	Lever Finish	Hand
2	21M850	293029	RHR

In this example the escutcheon finish will be supplied in 618.

Exit Device with Trim

Quantity	Exit Device	Trim/Function	Lever Finish	Exit Bar Finish	Hand	Cylinder Option	Door Thickness	Optional Strike	Door Width
2	ED4400M	21G850	303030	630	LHR	6P	D200	SB214	W048

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How to Order

ED4000 Series

Ordering Examples

Exit Device Only

Quantity	Series/ Function	Finish	Hand	Misc. Options
24	ED4200S	626	RHR	M51-M54

Removable Mullion

Quantity	Mullion	Finish
12	CR808	695

Exit Device with Trim

Quantity	Exit Device	Trim/ Function	Finish	Hand	Door Thickness	Door Width	Door Height	Misc. Options
36	ED4400	N855ET	605	LHR	D200	W048	H0706	M51-M54

Trim Only

Quantity	Trim/ Function	Finish	Hand	Door Thickness	Cylinder Option
24	N855ET	625	RHR	D214	6P

Contract/Detailed Order – Exit Device with Trim

Quantity	Keyset	Exit Device	Trim/ Function	Finish	Hand	Door Height	Optional Strike	Door Width	Misc. Options	Cylinder Option
36	AA1	ED4400	C855ET	626	LHR	H0800	S09	W048	M52-M54	7P

Where to find ordering information and Quick Codes

Trims and Functions	Page 14
Removable Mullion	Page 29
Handing	Page 34
Door Thickness	Page 34
Strike	Page 34
Door Width	Page 34
Door Height	Page 34
Miscellaneous Options	Page 34
Cylinder and Keying	Page 34

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Quick Codes

ED4000 Series

Cylinder and Keying

Description	Specify
Less cylinder(s)	(standard)
Conventional 6-pin	6P
Conventional 7-pin	7P
Security	HS
Security interchangeable core (IC)	CHS
IC 6-pin	C6
IC 6-pin with temporary construction core (Red)	CT6R
IC 6-pin with temporary construction core (Blue)	CT6B
IC 6-pin with temporary construction core (Green)	CT6G
IC 6-Pin with temporary disposable core	CT6D
IC 6-pin less core	CL6
SFIC 6-pin with less core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin (rim only)	C7
IC 7-pin with temporary construction core (Red)	CT7R
IC 7-pin with temporary construction core (Blue)	CT7B
IC 7-pin with temporary construction core (Green)	CT7G
IC 7-Pin with temporary disposable core	CT7D
IC 7-pin less core (rim only)	CL7
SFIC 7-pin with less core	CLS7
SFIC 7-pin with SFIC disposable temporary core$_3$	CT7SD
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
UL IC 6-Pin Housing Less Core	CL6AH
UL IC 6-Pin Housing with Disposable Core	CTAHD
UL IC 6-Pin Housing with (Red/Blue/Green) Temporary Construction Core	CT6AH(R/B/G)
Pyramid Security fixed core	PS
Pyramid Security IC	PCS
Pyramid Fixed Core	PHS
Pyramid IC	PCHS
Pyramid with temporary construction core	CTP
Pyramid less core	CLP
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK

Finish

Description		Specify
US3	Bright Brass	605
US4	Satin Brass	606
US9	Bright Bronze	611
US10	Satin Bronze	612
US10B	Dark Oxidized Satin Bronze, oil rubbed	613
US10BE	Dark Oxidized Satin Bronze Equivalent	613E
US14	Bright Nickel Plated	618
US15	Satin Nickel Plated	619
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626* (Trim only)
	Satin Chromium Plated with MicroShield®	626C
US32	Bright Stainless Steel	629
US32D	Stain Stainless Steel	630
	Stain Stainless Steel with MicroShield®	630C
	Satin Aluminum, Clear Anodized (mullions only)	628
	Dark Bronze Coated (mullions only)	695
—	Black oxidized bronze,oil rubbed	722
—	Black Suede Powder Coat	BSP

***Contact factory for devices required in BHMA 626**

Door Height

Door Height	Specify
ED4400 devices	
7'0"	(standard)
7'2"	H0702
7'6"	H0706
8'0"	H0800
9'0"	H0900
10'0"	H1000
ED4800 devices	
8'0"	(standard)
8'2"	H0802
8'6"	H0806
9'0"	H0900
10'0"	H1000

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Quick Codes

ED4000 Series

Door Width

Door Width	Specify
24" (610mm)	W024
36" (914mm)	(standard)
48" (1219mm)	W048

Handing

Hand	Specify
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Door Thickness

Door	Specify
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

Strike

Description	Specify
Surface and concealed vertical rod Bottom strike for 1/2" thresholds	S09

Removable Mullion

Door Height	Specify
Up to 8'0" (ED4200 & ED4200S)	808

Miscellaneous Options

Description	Specify
Torx® head screws	M04
Knurling outside and inside (embossed touchbar - device side)	M20
Knurling outside only (trim side)	M21
Knurling inside only (embossed touchbar - device side)	M22
Abrasive coat outside and inside (trim and device)	M23
Abrasive coat inside only (device side)	M24
Abrasive coat outside only (trim side)	M25
24", 36" and 48" PathLite™ Photoluminescent Touchbar Cover	M49
Less dogging	M51
Cylinder dogging	M52
Sex nuts and bolts (SNBs)	M54
Shim kit (for vision light)	M58
Flush transom top strike bracket (ED5400 and ED5400A only)	M67
High Impact End Clamp	M109
Flush End Cap	M110

Electrical Options

Description	Specify
Alarm Option	M61
Bolt Position Monitor	M91
Touchbar Monitor	M92
Trim Monitor	M93
Electric Dogging	M97
Delayed Egress	D
Motorized Electric Latch Retraction	MELR

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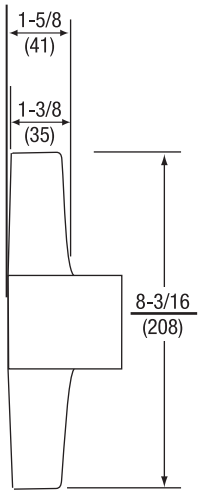
Facts and Figures

ED4000 Series

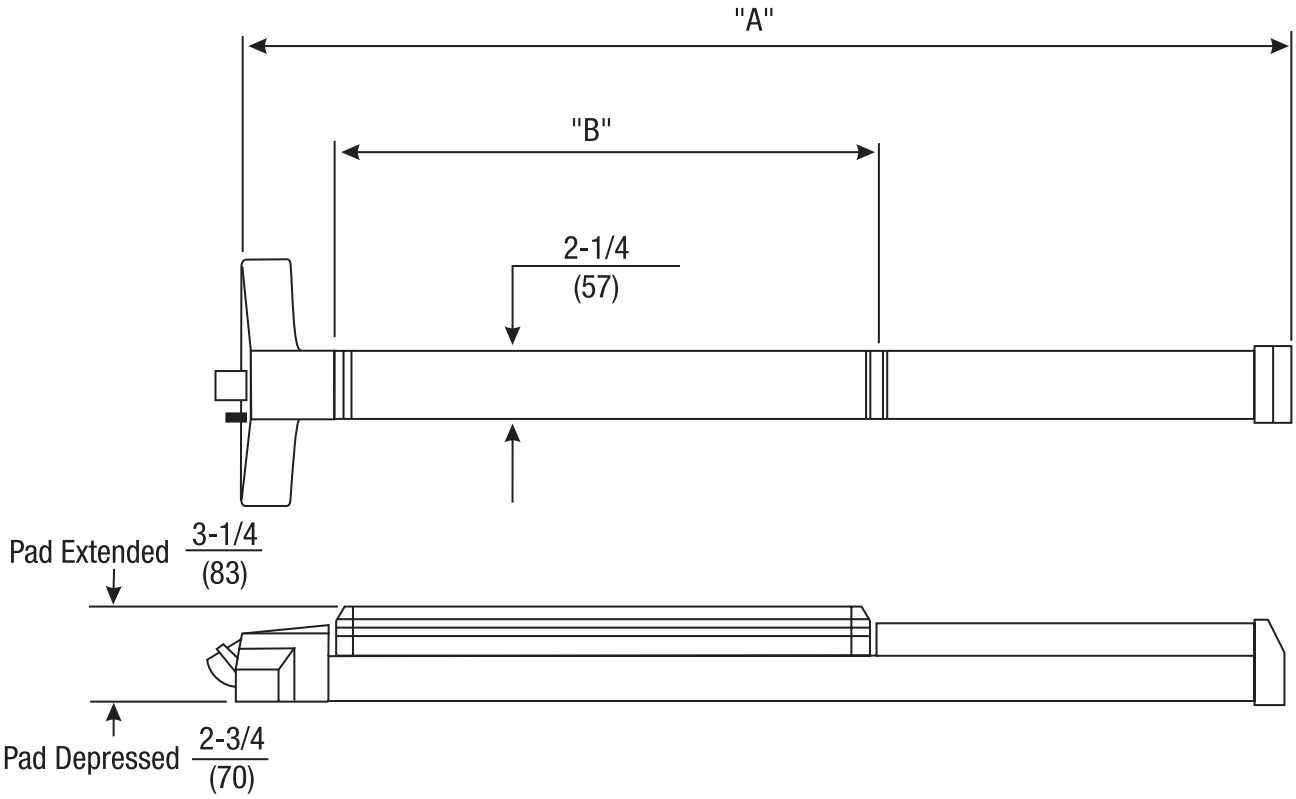
ED4000 Series (all variables)

Series	"A"	"B"
ED4000	34-5/8" (880mm)	18" (457mm)
ED4000 x W024	22-5/8" (575mm)	12" (305mm)
ED4000 x W048	46-5/8" (1184mm)	24" (610mm)

Dimensions are shown in: **inches** **mm**



Cover Detail



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Helpful Terms

ED4000 Series

Abrasive Coat
Hard granular material applied to provide a non-slip tactile surface for the visually impaired.

Active Door
In a pair of doors, the door that is operable from the trim side.

Astragal
A vertical member applied to one or both sides of a pair of doors at the meeting edges. The astragal closes the gap between the two doors.

Coordinator
A device used on a pair of doors to ensure that the inactive door closes before the active door.

Deadlocking Latch
A supplemental latch that automatically deadlocks the latchbolt when pressure is applied to it.

Dogging
A mechanism that allows the latchbolt to remain retracted, permitting the door to operate as if it were a push-pull; it cannot be used on fire-rated exit devices.

Double Egress
A pair of doors of the same hand that swing in opposite directions, commonly found in corridors.

Dummy Trim
Trim only. Usually used on the inactive door of a pair of doors for design balance.

Exit Device (Panic Hardware)
A door locking device with a pushbar or crossbar which, when pressed, allows instant exit (egress).

Fire Exit Hardware
An exit device listed by an independent testing laboratory as meeting panic, fire and hose stream test standards; used on fire-rated openings.

Hand
The direction a door swings.

Inactive Door
In a pair of doors, the door that is inoperable from the trim side.

Latchbolt
A lock component that has a beveled end and projects into a strike, holding the door in a closed position.

Mullion
A fixed or removable vertical member that divides a door opening and provides a latch surface for a pair of rim exit devices.

Open Back Strike
For mortise exit devices, used on the inactive door (usually the vertical rod door) of a pair of doors that swing in the same direction. It permits the inactive door to open or close independently.

Reversible
Pertains to a product that may be changed in the field to accommodate any hand of the door.

Shim Kit
Pieces of metal that permit mounting of an exit device on a door that has a surface projecting vision light (glass bead) molding.

Split Astragal
An astragal that is split through the middle on a pair of doors, allowing both doors to operate independently.

Threshold
A strip fastened to the floor beneath a door. It serves as a stop, prevents heat loss, and provides a strike location for latching the bottom rod of a vertical rod exit device.

Trim
A knob, lever, pull, or thumbpiece used on the outside of an exit device door to control access to an area.

Universal Exit Device
An exit device that may be used on doors of either hand without any modifications.

Keying and Cylinder Terms
Concealed Key Control (CKC)
The marking of standard key symbols on a cylinder in a location that is not visible once the cylinder is installed.

Construction Master Keying (CMK)
A cylinder preparation that allows temporary access by construction personnel.

Control key
A key used to remove and install interchangeable cores.

Cylinder
A lock component containing the combination that determines which keys will operate.

Security Cylinder
A cylinder which provides extra resistance to picking and unauthorized duplication of keys.

Interchangeable Core (IC)
A cylinder which can be removed and installed quickly with a control key by non-skilled personnel when rekeying is required.

Key Symbol
A letter/number combination in standard industry format (e.g., 1AA, AA1, etc.) which indicates exactly how a key or cylinder fits into a keying system.

Keyway
The opening in a cylinder plug through which the key enters.

Master Keying
Preparation of a cylinder to operate with keys of different levels of access.

Visual Key Control (VKC)
The marking of standard key symbols on keys and on the visible portion of the front of a cylinder.

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Suggested Specification

ED4000 Series

Suggested Specification

Exit devices shall be ED4000 Series Narrow Stile Pushpad Exit Devices.

The exit device chassis shall be cold forged steel, electroplated for corrosion resistance, and shall be architecturally finished brass, bronze or stainless steel. The pushpad mechanism shall be constructed of extruded aluminum and shall be scalped with architecturally finished brass, bronze or stainless steel. The maximum projection shall be 3-1/4" when the pushpad is active and 2-3/4" when the pushpad is dogged down. Nylon bearings and stainless steel springs shall be used for long life and durability; only torsion springs are acceptable. Rear and active case covers shall be wrought brass or bronze and shall be plated to match the exit bar. Plastic or painted covers are not acceptable. Latchbolts shall be steel and shall incorporate a deadlocking latch feature for increased security. Devices without deadlocking latches are not acceptable. Mounting screws shall be concealed to deter tampering. Devices shall be closed on all sides with no pinch points. All exit devices shall be easily field sized to accommodate various door widths.

Exit devices shall have single point, one quarter turn hex key dogging standard. Optional cylinder dogging shall be available. Devices with hex key dogging shall be easily field converted to cylinder dogging. Panic listed devices shall be available less dogging. Trims shall be throughbolted with concealed fasteners. Escutcheon and pull type trims shall be constructed of brass or bronze. All lever trims shall use cast or forged levers. On trims with cylinders, the mechanism that locks and unlocks the trim shall be housed in the trim and not in the active case of the exit device. Lever trims shall match those on Corbin Russwin Mortise and Cylindrical Locksets.

Exit devices and trims shall be furnished in BHMA standard architectural finishes.

Exit devices shall be listed by Underwriters Laboratories (UL) for safety as panic hardware.

Certification:
ANSI/BHMA A156.3, Grade 1

Exit devices, trims and cylinders shall be from one manufacturer.

Trims and electronic components shall carry a two-year limited warranty.

Exit devices shall carry a five-year limited warranty.

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Notes

ED4000 Series

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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For additional information, contact your ASSA ABLOY Door Security Solutions sales consultant or visit **www.corbinrusswin.com.**

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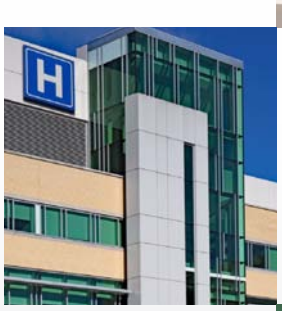


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ED5000 Series

Product Catalog

Experience a safer
and more open world

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Overview

ED5000 Series

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Applications

Corbin Russwin's history is rich with architectural hardware designed to meet life safety and security requirements. That tradition continues with ED5000 Series exit devices. Designed to allow safe and easy egress, the ED5000 Series is ideal for frequent use applications such as schools, factories, hotels, theaters, office, retail complexes and government buildings.

Quality

All exit devices manufactured by Corbin Russwin undergo rigorous testing, both in the lab and field. Testing procedures go beyond industry standards; the ED5800 concealed vertical rod exit device was witnessed and certified to 3.25 million successful cycles, more than 6 times the requirement. Abuse and cycle tests prove time and again the durability of the entire ED5000 Series, which is backed by a 5-year warranty.

Aesthetics

Over the past 100 years, Corbin Russwin has been well-known for weaving pleasing aesthetics and inventive designs into architectural door hardware, and today's wide stile exit device line is no exception. The ED5000 Series offers smooth lines in the exit device bar and a full range of trim designs with visual diversity, including the Muséo® and Vineyard™ Collections.

Vandal Resistance

Today's door hardware must fulfill life-safety and security needs, two areas in which ED5000 series exit devices and trim excel. The ED5200S SecureBolt® features a deadbolt style latchbolt that significantly resists pull from the exterior, thus reducing door and frame separation, preventing the door from being forced open. 900 series heavy-duty trim deters vandals with a thick 13/16" beveled escutcheon, Free Wheeling lever (excluding mortise trim), and flush cylinder. High security Pyramid cylinders offer an additional barrier against picking and drilling. These components can all be combined for high quality, high security applications.

Electronics

If electronic access control is required, or just a simple monitoring switch, the ED5000 series offers a full range of electrified options, including a delayed egress exit device and electrically controlled trim. All options can be tied into existing security and fire alarm systems for easy monitoring.

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Product Series Features

ED5000 Series

As Corbin Russwin continues to offer the latest technology and architectural hardware, an additional option is also presented to architects, distributors, and end-users. The power of choice. With a wide variety of devices, trims, lever designs, and electrified hardware, a locking system can be designed for any building and any application. Below are some highlights of the ED5000 Series. These are but a few of the options that can be combined to meet the aesthetic and security requirements of today.



SecureBolt® Delayed Egress Exit Device

SECUREBOLT®

SecureBolt®

- Deadbolt-style latch design provides increased security by resisting unauthorized entrance from credit cards, crowbars, door rattling, etc.
- Is more resistant to vector forces, which results in less force against the frame, thus eliminating door/frame separation
- Provides increased stability of openings with mullions

Delayed Egress Exit Device

- Increases security in many applications such as retail stores and health care facilities
- Features an LED indicator and a nuisance delay
- 15 or 30-second delay available
- UL and BHMA listed



PATHLITE™

Photoluminescent Touchpad Cover

The PathLite™ patent pending technology offers a number of benefits:

- Requires no wiring or maintenance
- Recharges with exposure to ambient light
- Unaffected by heat or cold
- Non-toxic, will not rub or fade
- Vandal resistant
- Fire resistant and non-radioactive
- Green contrasting word "EXIT" centered on touchbar in 1-1/4" high lettering
- Cost effective; especially suited for existing buildings

PathLite™ photoluminescent exit devices meet New York City's newly adopted standards for requirement of photoluminescent signage and stairwell markings in all office buildings in excess of 75 feet in height.



Heavy-Duty Trim with *Vineyard* lever

Vineyard™ collection



Heavy-Duty Trim with Muséo® lever

MUSEO



Parabolic Trim with Vineyard™ lever Specify M60

Heavy-Duty Trim

- Free Wheeling levers for vandal resistance (excluding mortise trim)
- Heavy-duty threaded posts provide additional strength
- Beveled sides for increased attack resistance
- Flush cylinder when used with 6-pin applications and mortise trim functions

Muséo® and Vineyard™ Collections

- Available in 605, 606, 611, 612, 613, 613E, 618, 619, 625, 626, 722, BSP, WSP finishes
- Allows for design continuum when matched with the ML2000 series mortise lock *Muséo* and *Vineyard* Collection trims
- Heavy-duty vandal-resistant escutcheon increases security

Parabolic Trim with Vineyard™ Lever

- Specify M60

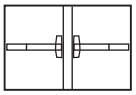
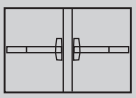
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Applications and Listings

ED5000 Series

Single Door	UL Listing	Maximum Opening (W x H)	Application	
Rim				
ED5200	Panic	4' x *	Surface applied; single-point latching.	
ED5200A	3 Hr.	4' x 8'		
SecureBolt®				
ED5200S	Panic	4' x *	Surface applied; single-point latching.	
ED5200SA	3 Hr.	4' x 8'		
ED5200S x M107	Panic	4' x 8'	Surface applied; single-point latching. Used as components in swinging door windstorm-rated assemblies (refer to local codes).	
ED5200SA x M107	3 Hr.	4' x 8'		
Mortise				
ED5600	Panic	4' x *	Mortised in door; single-point latching.	
ED5600A	1-1/2 Hr.	4' x 9'		
ED5600A	3 Hr.	4' x 8'		
Surface Vertical Rod				
ED5400	Panic	4' x 8'	Surface applied; two-point latching.	
ED5470	Panic	4' x 10'		
ED5470 x M55	Panic	4' x 10'	Surface applied; one-point latching.	
ED5470 x M107	Panic	4' x 8'	Surface applied; two-point latching. Used as components in swinging door windstorm-rated assemblies (refer to local codes).	
Concealed Vertical Rod				
ED5800	Panic	4' x 8'	Rods concealed in door; two-point latching.	
ED5860	Panic	4' x 10'		
ED5860 x M55	Panic	4' x 10'	Rod concealed in door; one point latching.	

Pair of Doors with Removable Mullion	UL Listing	Maximum Opening (W x H)	Application	
Rim x Rim				
ED5200 x ED5200 x CR900 Series	Panic	8' x 10'	Two independent active doors with removable mullion.	
ED5200A x ED5200A x CR900 Series	3 Hr.	8' x 8'		
SecureBolt® x SecureBolt®				
ED5200S x ED5200S x CR900 Series	Panic	8' x 10'	Two independent active doors with removable mullion.	
ED5200SA x ED5200SA x CR900 Series	3 Hr.	8' x 8'		
ED5200S x ED5200S x M107	Panic	8' x 8'	Two independent active doors with removable mullion. Used as components in swinging door windstorm-rated assemblies (refer to local codes).	
ED5200SA x ED5200SA x M107	3 Hr.	8' x 8'		

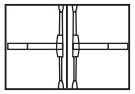
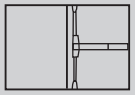
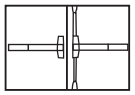
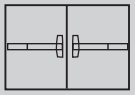
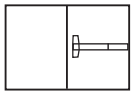
*UL does not set a door height limitation on panic applications.

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Applications and Listings

ED5000 Series

Pairs of Doors	UL Listing	Maximum Opening (W x H)	Application	
Surface Vertical Rod				
ED5400 x ED5400	Panic	8' x 8'	Two independent doors with two-point latching, swinging in the same direction.	
ED5400A x ED5400A	3 Hr.	8' x 8'		
ED5470 x ED5470	Panic	8' x 10'	Two independent doors with one or two-point latching, swinging in the same direction.	
ED5470B x ED5470B	1-1/2 Hr.	8' x 10'		
ED5470 x ED5470 x M107	Panic	8' x 8'	Two independent doors with two-point latching, swinging in opposite directions. Used as components in swinging door windstorm-rated assemblies (refer to local codes).	
ED5470B x ED5470B x M107	1-1/2 Hr.	8' x 8'		
Surface Vertical Rod (Double Egress)				
ED5400 x ED5400	Panic	8' x 8'	Two independent doors with two-point latching, swinging in opposite directions. Overlapping astragal required for 3-hour openings.	
ED5400A x ED5400A	3 Hr.	8' x 8'		
ED5470 x ED5470	Panic	8' x 10'	Two independent doors with one or two-point latching, swinging in opposite directions. Overlapping astragal not required.	
ED5470B x ED5470B	1-1/2 Hr.	8' x 10'		
Surface Vertical Rod x Mortise				
ED5400 x ED5600	Panic	8' x 8'	Overlapping astragal required for 3-hour openings. Coordinator required with standard ANSI strike.	
ED5400A x ED5600A	3 Hr.	8' x 8'		
ED5400A x ED5600A x Open Back Strike	1-1/2 Hr.	8' x 8'		
ED5470 x ED5600	Panic	8' x 10'	Overlapping astragal required for fire-rated openings. Coordinator required with standard ANSI strike.	
ED5470B x ED5600A	1-1/2 Hr.	8' x 9'		
Concealed Vertical Rod				
ED5800 x ED5600	Panic	8' x 8'	Two independent metal doors with two-point latching, swinging in the same direction.	
ED5800 x ED5800	Panic	8' x 8'		
ED5800A x ED5600A	3 Hr.	8' x 8'		
ED5800A x ED5800A	3 Hr.	8' x 8'		
ED5800A x ED5600A x Open Back Strike	1-1/2 Hr.	8' x 8'		
ED5860 x ED5600	Panic	8' x 10'	Two independent metal or wood doors with one or two-point latching, swinging in the same direction.	
ED5860 x ED5860	Panic	8' x 10'		
ED5860B x ED5600A	1-1/2 Hr.	8' x 10'		
ED5860B x ED5860B	1-1/2 Hr.	8' x 10'		
Concealed Vertical Rod (Double Egress)				
ED5800 x ED5800	Panic	8' x 8'	Two independent metal doors with two-point latching, swinging in opposite directions. Overlapping astragal required for 3-hour openings.	
ED5800A x ED5800A	3 Hr.	8' x 8'		
ED5860 x ED5860	Panic	8' x 10'	Two independent metal or wood doors with one or two-point latching, swinging in opposite directions. Overlapping astragal not required.	
ED5860B x ED5860B	1-1/2 Hr.	8' x 10'		

*UL does not set a door height limitation on panic applications.

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Corbin Russwin
ASSA ABLOY

SecureBolt® Features

ED5000 Series

ED5200S **Panic-Listed SecureBolt® Exit Device**
ED5200SA **3-Hour Fire-Listed SecureBolt® Exit Device**
ED5202S **Panic-Listed Listed SecureBolt® Double Cylinder Exit Device**
ED5202SA **3-Hour Fire-Listed SecureBolt® Double Cylinder Exit Device**

SECUREBOLT®

Features

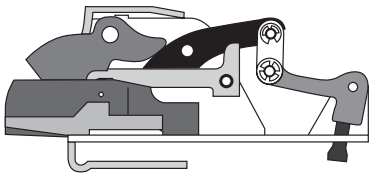
Handing
Standard device is non-handed.
Double Cylinder Device is handed.
Lever trim is handed.

Bar Length
Easily field cut to size.
Standard: 36" (914mm) bar fits 30"- 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36"-48" (914mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 4-1/2" (114mm).

Latchbolt
Full 3/4" (19mm) projection, 1" (25mm) wide, positive deadlocking by auxiliary bolt.



Cut Away Side View

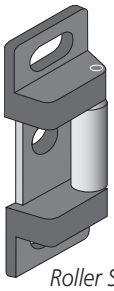
Materials
Latchbolt: Nickel steel. Slide-action deadbolt with positive deadlocking by auxiliary bolt. Two-piece deadbolt mechanism utilizing a roll back lever which eliminates any contact (friction) with the strike during relocking.
Device: Heavy duty cold forged steel chassis; heavy gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection
3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging
Standard on panic-rated devices; single-point 1/4 turn hex key dogging.
Optional: less dogging, specify M51.
Optional: cylinder dogging; specify M52.
Optional: electric dogging; specify M97.
Mechanical dogging not available on fire-rated devices.

Fasteners
Standard on panic devices: machine screws and wood door fasteners.
Standard on fire-rated devices: sex nuts and bolts.
Optional on devices: sex nuts and bolts for use on wood, composite or unreinforced metal doors; specify M54.
Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64.

Strike
Surface mounted 3/8" (10mm) diameter roller strike, complete with positive locking plate and shims, assuring low friction relocking for a long, trouble-free life.



Roller Strike

Functions and Trims
Through-bolted lever, knob, pull and thumbpiece trims available with wide range of functions; see Trims and Functions, pages 28-35.

Cylinders
Cylinder not included unless specified. See Quick Codes, page 54.

Removable Mullion
See Mullions, page 49.

Shim Kit
Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings
See page 4.

Warranty
Five-year limited.

Certification/Compliance

ANSI
Meets A156.3, Type 28, Grade 1.
Meets A117.1 Accessibility Code.

UL /cUL
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 4' x 8' single or 8' x 8' double doors; UL symbol on active case cover indicates listing.

Any retrofit or other field modification to a fire-rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA
All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA
Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
613E	Dark Oxidized Satin Bronze Equivalent
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626* (Trim only)	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield®
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield®
722	Black oxidized bronze,oil rubbed
BSP	Black Suede Powder
WSP	White Suede Powder Coat

***Contact factory for devices required in BHMA 626**

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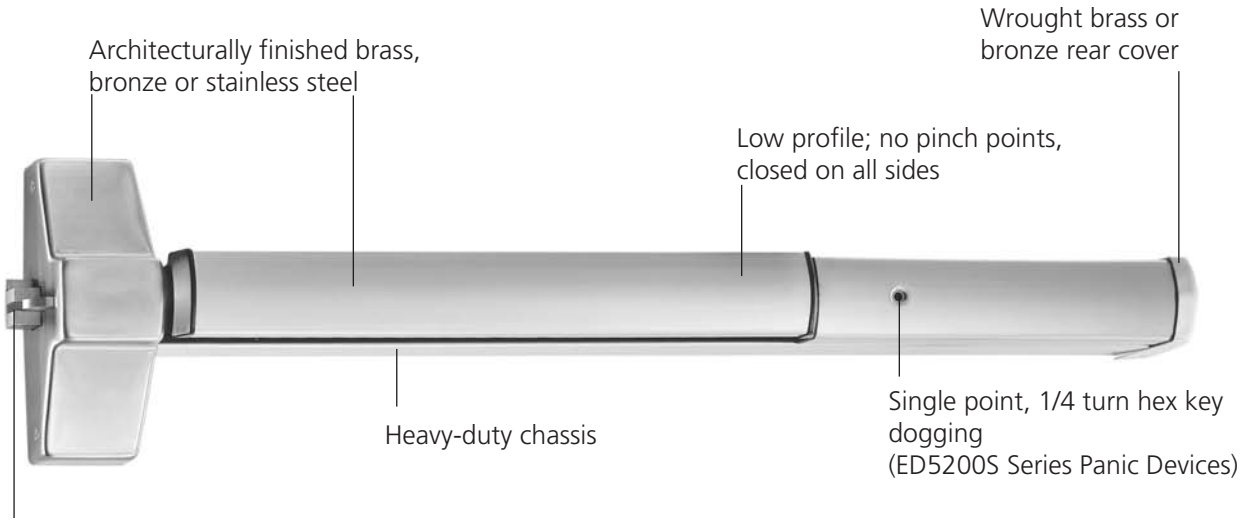
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SecureBolt® Features

ED5000 Series

ED5200S and ED5200SA SecureBolt® Exit Devices

SECUREBOLT®

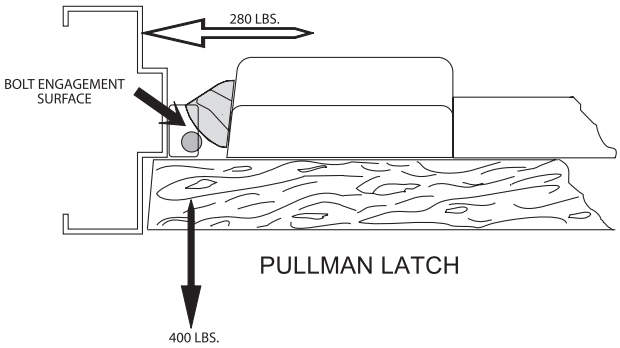


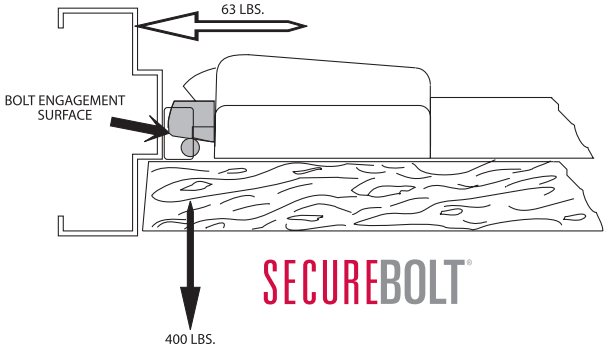


ED5202S(A) SecureBolt® Double Cylinder Exit Devices

In terms of an exit device, vector forces mean that pressure applied to the door results in a force against the stop and the frame, resulting in door/frame separation. The standard pullman latchbolt applies 280 pounds of force against the frame from a 400- pound pull on the door.

The SecureBolt® exit device only applies 63 pounds of force against the frame from a 400-pound pull on the door. Less force means the door and frame do not separate, providing a higher level of security, as the door cannot be pulled open.





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Corbin Russwin
ASSA ABLOY

Rim Features

ED5000 Series

ED5200 **Panic-Listed Rim Exit Device**
ED5200A **3-Hour Fire-Listed Rim Exit Device**
ED5202 **Panic-Listed Listed Rim Double Cylinder Exit Device**
ED5202A **3-Hour Fire-Listed Rim Double Cylinder Exit Device**

Features

Handing
Standard device is non-handed.
Double Cylinder Device is Handed.
Lever trim is handed.

Bar Length
Easily field cut to size.
Standard: 36" (914mm) bar fits 30"- 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36"-48" (914mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 4-1/2" (114mm).

Latchbolt
3/4" (19mm) throw, stainless steel pullman-type with stainless steel deadlocking latch.

Materials
Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection
3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging
Standard on panic devices; single-point 1/4 turn hex key dogging.
Optional: less dogging, specify M51.
Optional: cylinder dogging; specify M52.
Optional: electric dogging; specify M97.
Mechanical dogging not available on fire-rated devices.

Fasteners
Standard on panic devices: machine screws and wood door fasteners. Standard on fire-rated devices: sex nuts and bolts. Optional on panic devices: sex nuts and bolts for use on wood, composite, or unreinforced metal doors; specify M54. Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64.

Strike
Surface-mounted 3/8" (10mm) diameter roller strike, complete with positive locking plate and shims, assuring low friction relocking for a long, trouble-free life.

Functions and Trims
Through-bolted lever, knob, pull and thumbpiece trims available with wide range of functions; see Trims and Functions, pages 28-35.

Cylinders
Cylinder not included unless specified. See Quick Codes, page 54.

Removable Mullion
See Mullions, page 49.

Shim Kit
Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings
See page 4.

Warranty
Five-year limited.

Certification/Compliance

ANSI
Meets A156.3, Type 1, Grade 1.
Meets A117.1 Accessibility Code.

UL/cUL
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 4' x 8' single or 8' x 8' double doors; UL symbol on active case cover indicates listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA
All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA
Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
613E	Dark Oxidized Satin Bronze Equivalent
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626* (Trim only)	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield®
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield®
722	Black oxidized bronze,oil rubbed
BSP	Black Suede Powder Coat
WSP	White Suede Powder Coat

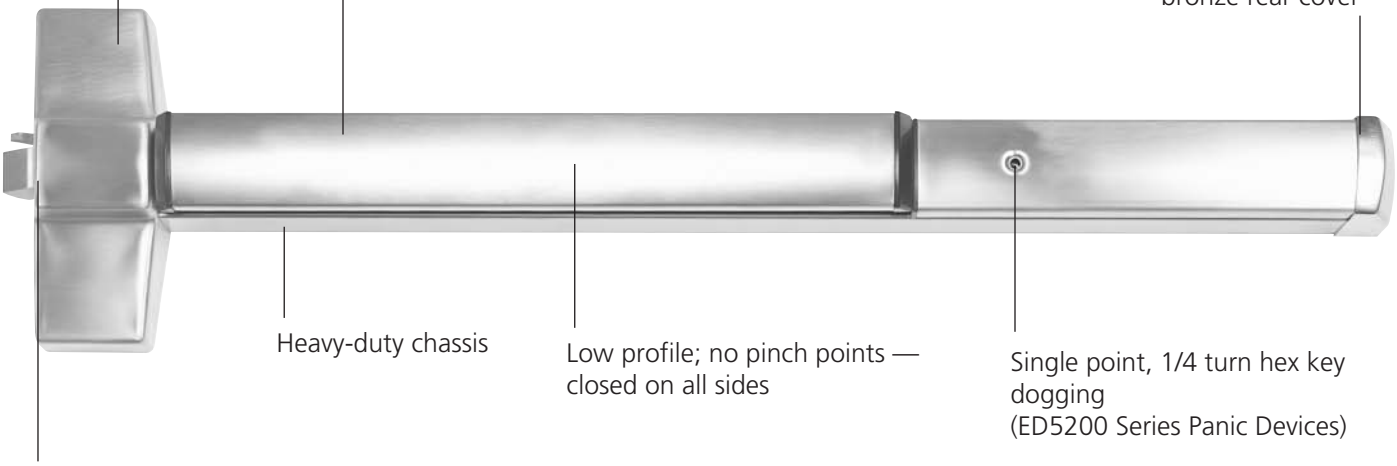
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ED5200 and ED5200A Rim Exit Devices





ED5202(A) Rim Double Cylinder Exit Devices

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Corbin Russwin
ASSA ABLOY

Surface Vertical Rod Features

ED5000 Series

ED5400 Panic-Listed Surface Vertical Rod Exit Device
ED5400A 3-Hour Fire-Listed Surface Vertical Rod Exit Device

Features

Handing
Device is handed but easily field reversible. Lever trim is handed.

Bar Length
Easily field cut to size.
Standard: 36" (914mm) bar fits 30"- 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36"-48" (914mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 4-1/2" (114mm).

Door Height
Standard top rod for 7' door.
All rods easily field cut to size.
Optional door heights up to 8' available; see Quick Codes, page 56.
For door heights above 8'0" refer to ED5470(B).

Latchbolt
Top: 3/4" (19mm) throw, stainless steel pullman-type with automatic deadlatching.
Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing.

Vertical Rods
1/2" O.D. tubular brass, bronze or stainless steel with rod guides.

Materials
Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection
3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging
Standard on panic devices; single-point 1/4 turn hex key dogging. Optional: less dogging, specify M51. Optional: cylinder dogging, specify M52. Optional: electric dogging; specify M97. Mechanical dogging not available on fire-rated devices.

Fasteners
Standard on panic devices: machine screws and wood door fasteners.
Standard on fire-rated devices: sex nuts and bolts.
Optional on panic devices: sex nuts and bolts for use on wood, composite, or unreinforced metal doors; specify M54.
Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64.

Strike
Top: adjustable roller strike with positive locking plate and shims.
Bottom: flush mounted.
Optional strikes available; see Options and Accessories, page 51.

Functions and Trims
Through-bolted lever, knob pull and thumbpiece trims available with wide range of functions; see Trims and Functions, pages 28-35.

Cylinders
Cylinder not included unless specified. See Quick Codes, page 54.

Shim Kit
Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings
See page 4.

Warranty
Five-year limited.

Certification/Compliance

ANSI
Meets A156.3, Type 2, Grade 1.

UL/cUL
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 8' x 8' double doors; UL symbol on active case cover indicates listing.

Any retrofit or other field modification to a fire- rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA
All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA
Lever trims and pulls comply with Americans with Disabilities Act.

Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
613E	Dark Oxidized Satin Bronze Equivalent
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626* (Trim only)	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield®
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield®
722	Black oxidized bronze,oil rubbed
BSP	Black Suede Powder
WSP	White Suede Powder Coat

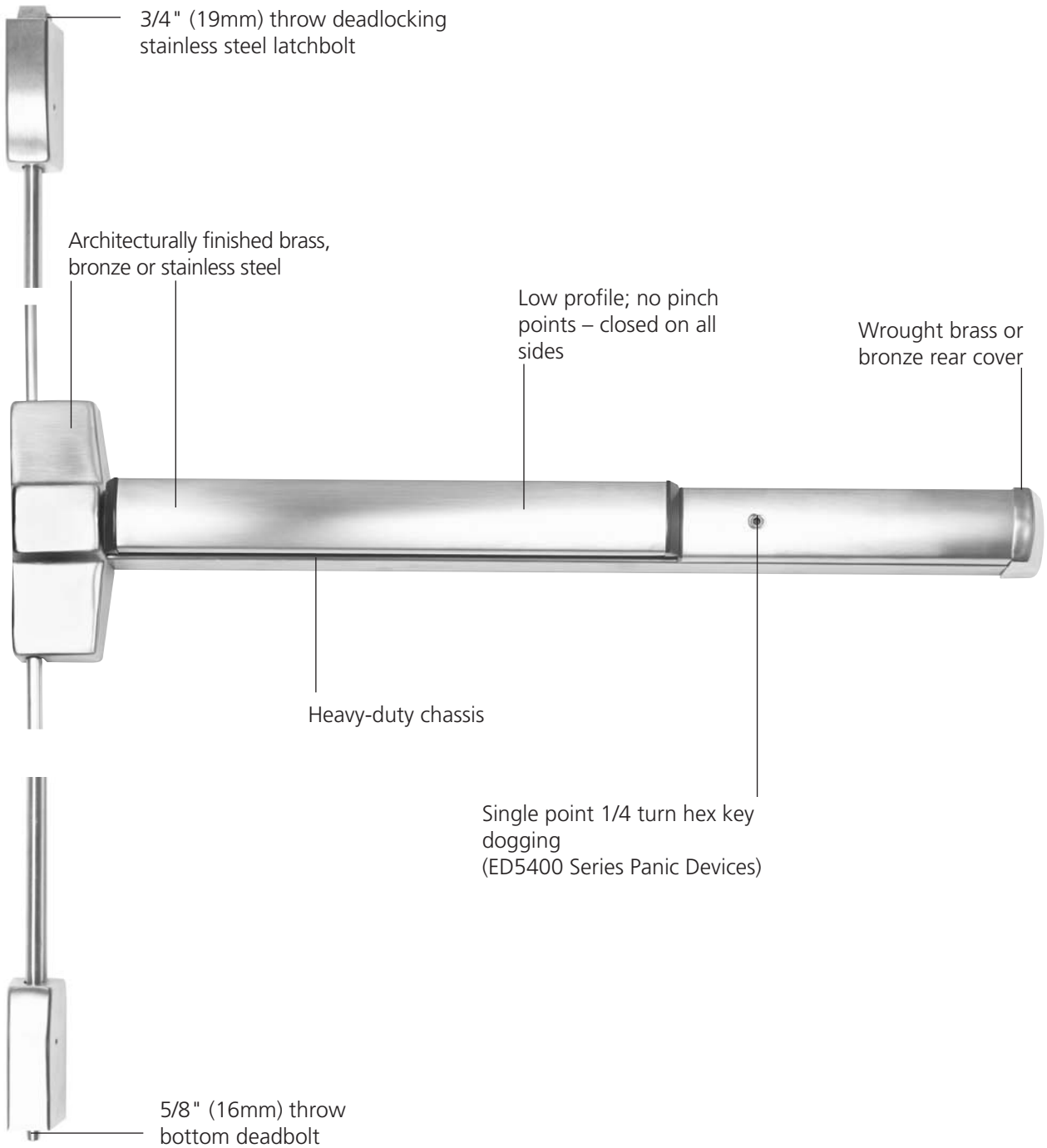
***Contact factory for devices required in BHMA 626**

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Surface Vertical Rod Features

ED5000 Series

ED5400 and ED5400A Surface Vertical Rod Exit Device



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Corbin Russwin
ASSA ABLOY

Surface Vertical Rod Features

ED5000 Series

ED5470 Panic-Listed Surface Vertical Rod Exit Device
ED5470B 1-1/2 Hour Fire-Listed Surface Vertical Rod Exit Device

Features

Handing
Device is handed but easily field reversible.

Lever trim is handed.

Bar length
Easily field cut to size.
Standard: 36" (914mm) bar fits 30"- 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36"- 48" (914mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 4-1/2" (14mm).

Door Height
Standard top rod for 7' door.
All top rods easily field cut to size.
Optional door heights up to 10' available; see Quick Codes, page 56.

Latchbolt
Top: 3/4" (19mm) throw, stainless steel, pullman-type with automatic deadlatching.
Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing.

Vertical Rods
1/2" O.D. tubular brass, bronze or stainless steel with rod guides.

Less Bottom Rod
Optional on ED5470 & ED5470B devices only; specify M55.

Heat Activated Door Bolt (Popper)
Standard on all fire-rated devices with M55 option (less bottom rod).

Materials
Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection
3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging
Standard on panic devices; single-point 1/4 turn hex key dogging. Optional: less dogging, specify M51. Optional: cylinder dogging, specify M52. Optional: electric dogging; specify M97. Mechanical dogging not available on fire-rated devices.

Fasteners
Standard on panic devices: machine screws and wood door fasteners. Standard on fire-rated devices: sex nuts and bolts. Optional on panic devices: sex nuts and bolts for use on wood, composite, or unreinforced metal doors; specify M54. Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64.

Strike
Top: surface mounted interlocking.
Bottom: flush mounted.
Optional strikes available; see Options and Accessories, page 51.

Functions and Trims
Through-bolted lever, knob, pull and thumbpiece trims available with wide range of functions; see Trims and Functions, pages 28-35.

Cylinders
Cylinder not included unless specified. See Quick Codes, page 54.

Shim Kit
Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings
See page 4.

Warranty
Five-year limited.

Certification/Compliance

ANSI
Meets A156.3, Type 2, Grade 1.
Meets A117.1 Accessibility Code when ordered with M55 option only.

UL/cUL
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. 1-1/2 hour fire-rated devices listed as fire exit hardware for B label and lesser class 8' x 10' double doors; UL symbol on active case cover indicates listings.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA
All exit devices comply with NFPA 101 Life Safety Code.
All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA
Exit devices with M55 option, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
613E	Dark Oxidized Satin Bronze Equivalent
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626* (Trim only)	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield®
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield®
722	Black oxidized bronze,oil rubbed
BSP	Black Suede Powder
WSP	White Suede Powder Coat

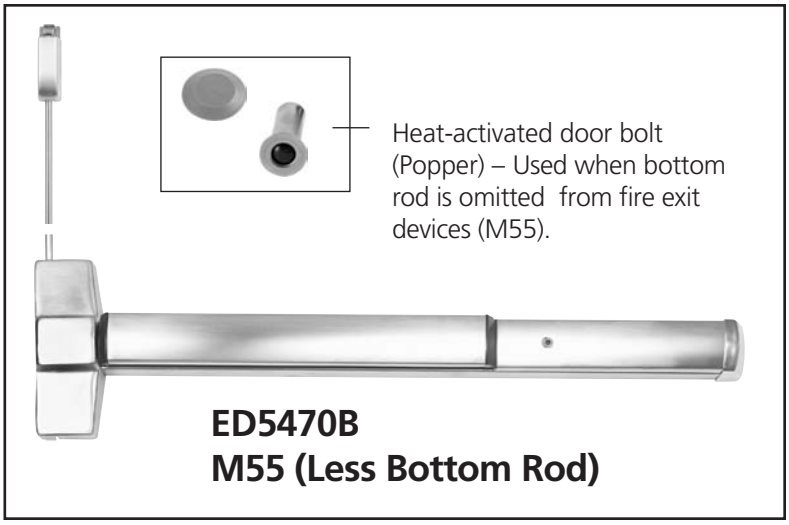
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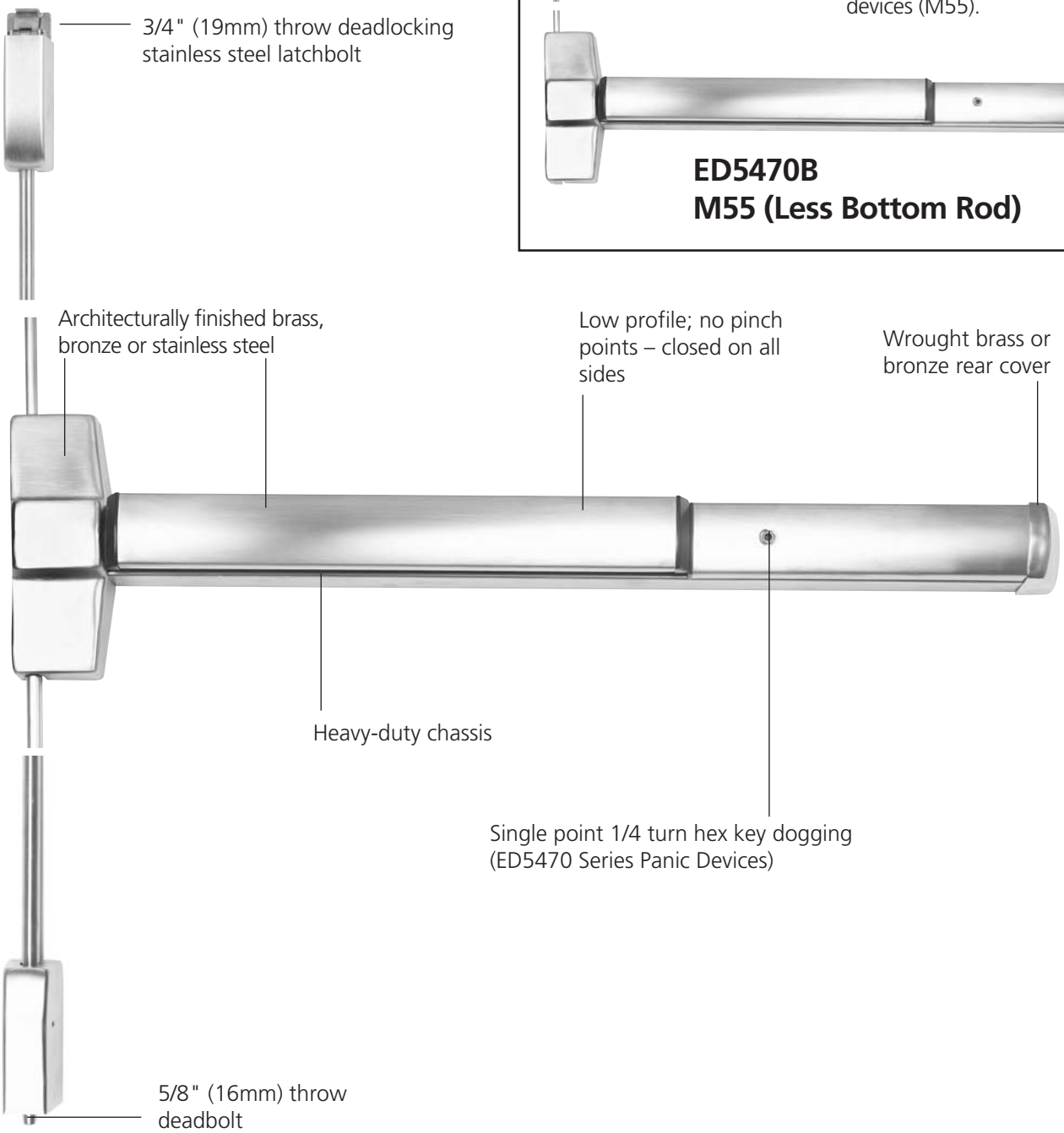
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Surface Vertical Rod Features

ED5000 Series

ED5470 and ED5470B Surface Vertical Rod Exit Devices





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Corbin Russwin
ASSA ABLOY

Concealed Vertical Rod Features

ED5000 Series

ED5800 Panic-Listed Concealed Vertical Rod Exit Device
ED5800A 3-Hour Fire-Listed Concealed Vertical Rod Exit Device

FOR USE WITH METAL DOORS ONLY

Features

Handing
Device is handed but easily field reversible. Lever trim is handed.

Bar length
Easily field cut to size.
Standard: 36" (914mm) bar fits 30"- 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36"-48" (914mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 4-1/2" (114mm).

Door Height
Standard: top rod for 8' door.
Telescoping rod assembly to accommodate various door heights. For door heights above 8'0", refer to ED5860(B).

Latchbolt
Top: 3/4" (19mm) throw, stainless steel pullman-type with automatic deadlatching.
Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing.

Vertical Rods
1/2" O.D. tubing, electroplated for corrosion resistance.

Materials
Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection
3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging
Standard on panic devices; single-point 1/4 turn hex key dogging. Optional: less dogging, specify M51. Optional: cylinder dogging, specify M52. Optional: electric dogging; specify M97. Mechanical dogging not available on fire-rated devices.

Fasteners
Standard on panic devices: machine screws.
Standard on fire-rated devices: sex nuts and bolts.
Optional on panic devices: sex nuts and bolts for use on unreinforced metal doors; specify M54.

Strike
Top: roller type.
Bottom: flush mounted.
Optional strikes available; see Options and Accessories, page 51.

Functions and Trims
Through-bolted lever, knob, pull and thumbpiece trims available with wide range of functions; see Trims and Functions, pages 28-35.

Cylinders
Cylinder not included unless specified. See Quick Codes, page 54.

Shim Kit
Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings
For use on metal doors only. See page 4.

Warranty
Five-year limited.

Certification/Compliance

ANSI
Meets A156.3, Type 8, Grade 1.
Meets A117.1 Accessibility Code.

UL/cUL
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 8' x 8' double doors; UL symbol on active case cover indicates listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA
All exit devices comply with NFPA 101 Life Safety Code.
All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA
Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
613E	Dark Oxidized Satin Bronze Equivalent
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626* (Trim only)	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield®
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield®
722	Black oxidized bronze,oil rubbed
BSP	Black Suede Powder
WSP	White Suede Powder Coat

***Contact factory for devices required in BHMA 626**

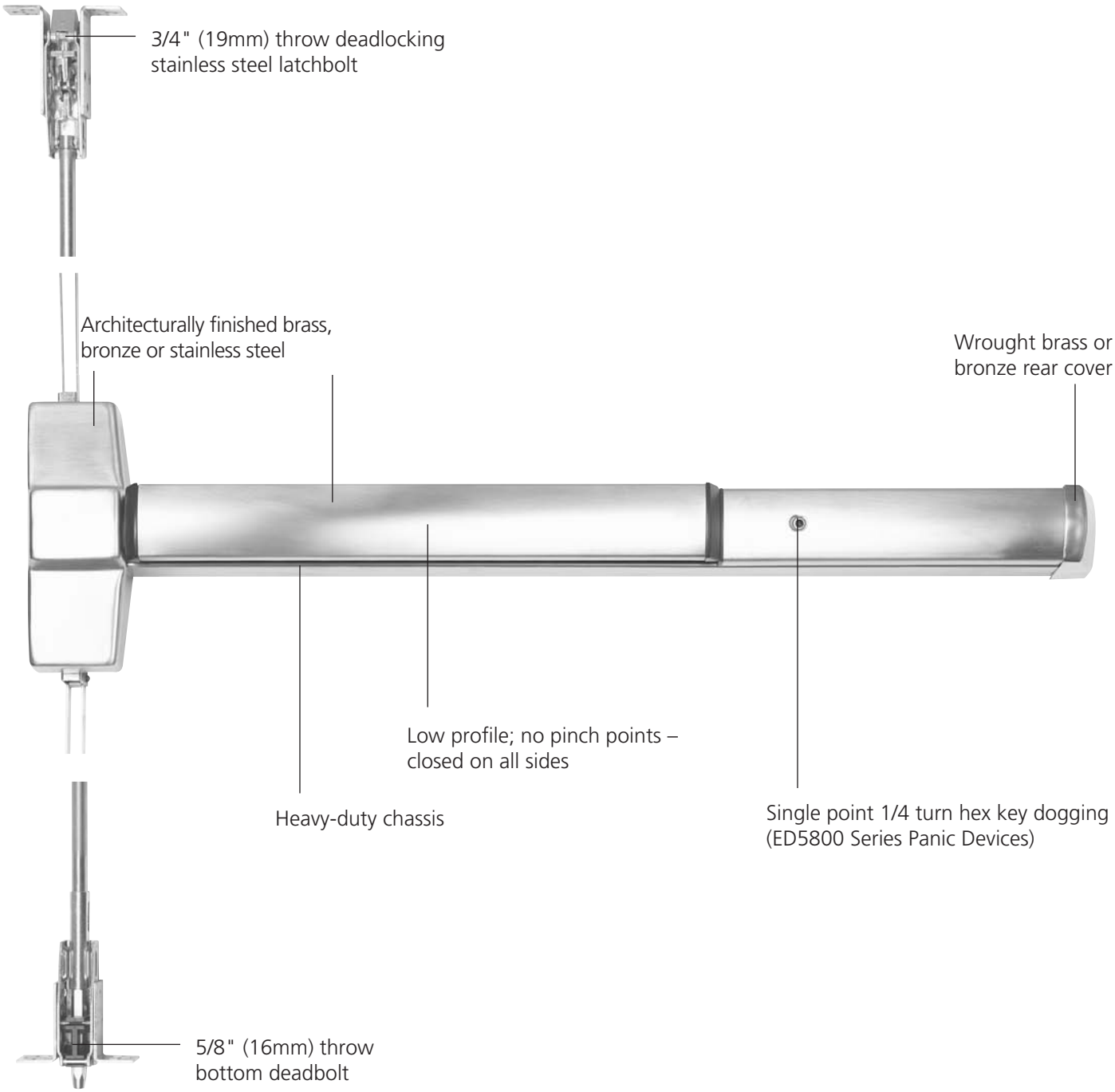
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Concealed Vertical Rod Features

ED5000 Series

ED5800 and ED5800A Concealed Vertical Rod Exit Devices

FOR USE WITH METAL DOORS ONLY



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Corbin Russwin
ASSA ABLOY

Concealed Vertical Rod Features

ED5000 Series

ED5860 Panic-Listed Concealed Vertical Rod Exit Device
ED5860B 1-1/2 Hour Fire-Listed Concealed Vertical Rod Exit Device

FOR USE WITH METAL OR WOOD DOORS

Features

Handing
Device is handed but is easily field reversible. Lever trim is handed.

Bar length
Easily field cut to size.
Standard: 36" (914mm) bar fits 30"- 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36"-48" (914mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (14mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 4-1/2" (114mm).

Door Height
Standard: top rod for 8' door.
Telescoping rod assembly to accommodate various door heights.
Optional door heights up to 10' available; see Quick Codes, page 56.

Latchbolt
Top: 3/4" (19mm) throw, stainless steel, pullman-type with automatic deadlatching.
Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing.

Vertical Rods
1/2" O.D. tubing, electroplated for corrosion resistance.

Less Bottom Rod
Optional on ED5860 and ED5860B devices only; specify M55.

Heat-Activated Door Bolt (Popper)
Standard with all fire-rated devices with M55 option (less bottom rod).

Materials
Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection
3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging
Standard on panic devices; single-point 1/4 turn hex key dogging.
Optional: less dogging, specify M51.
Optional: cylinder dogging, specify M52.
Optional: electric dogging; specify M97.
Mechanical dogging not available on fire-rated devices.

Fasteners
Standard on panic devices: machine screws and wood door fasteners.
Standard on fire-rated devices: sex nuts and bolts.
Optional on panic devices: sex nuts and bolts for use on wood, composite, or unreinforced metal doors; specify M54.
Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64.

Strike
Top: mortise. Bottom: flush mounted.
Optional strikes available; see Options and Accessories, page 51.

Functions and Trims
Through-bolted lever, knob, pull and thumbpiece trims available with wide range of functions; see Trims and Functions, pages 28-35.

Cylinders
Cylinder not included unless specified. See Quick Codes, page 54.

Shim Kit
Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings
For use with metal or wood doors. See page 4.

Warranty
Five-year limited.

Certification/Compliance

ANSI
Meets A156.3, Type 7 and 8, Grade 1.
Meets A117.1 Accessibility Code.

UL/cUL
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. 1-1/2 hour fire-rated devices listed as fire exit hardware for B label and lesser class 8' x 10' double doors; UL symbol on active case cover indicates listings.
Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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BHMA 626* (Trim only)	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield®
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BHMA 630	Satin Stainless Steel
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***Contact factory for devices required in BHMA 626**

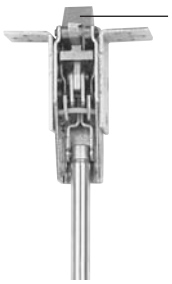
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Concealed Vertical Rod Features

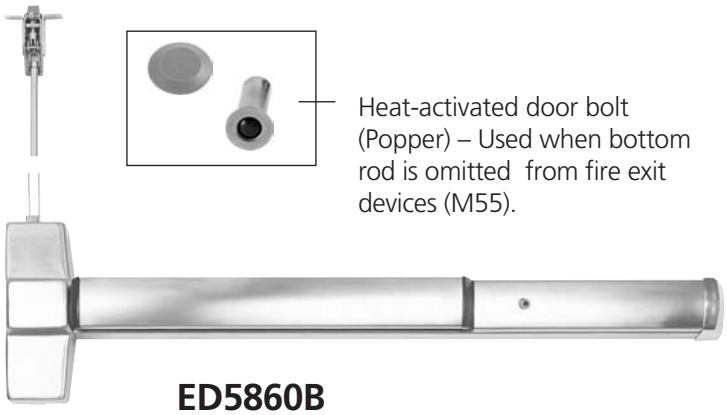
ED5000 Series

ED5860 and ED5860B Concealed Vertical Rod Exit Devices

FOR USE WITH METAL OR WOOD DOORS

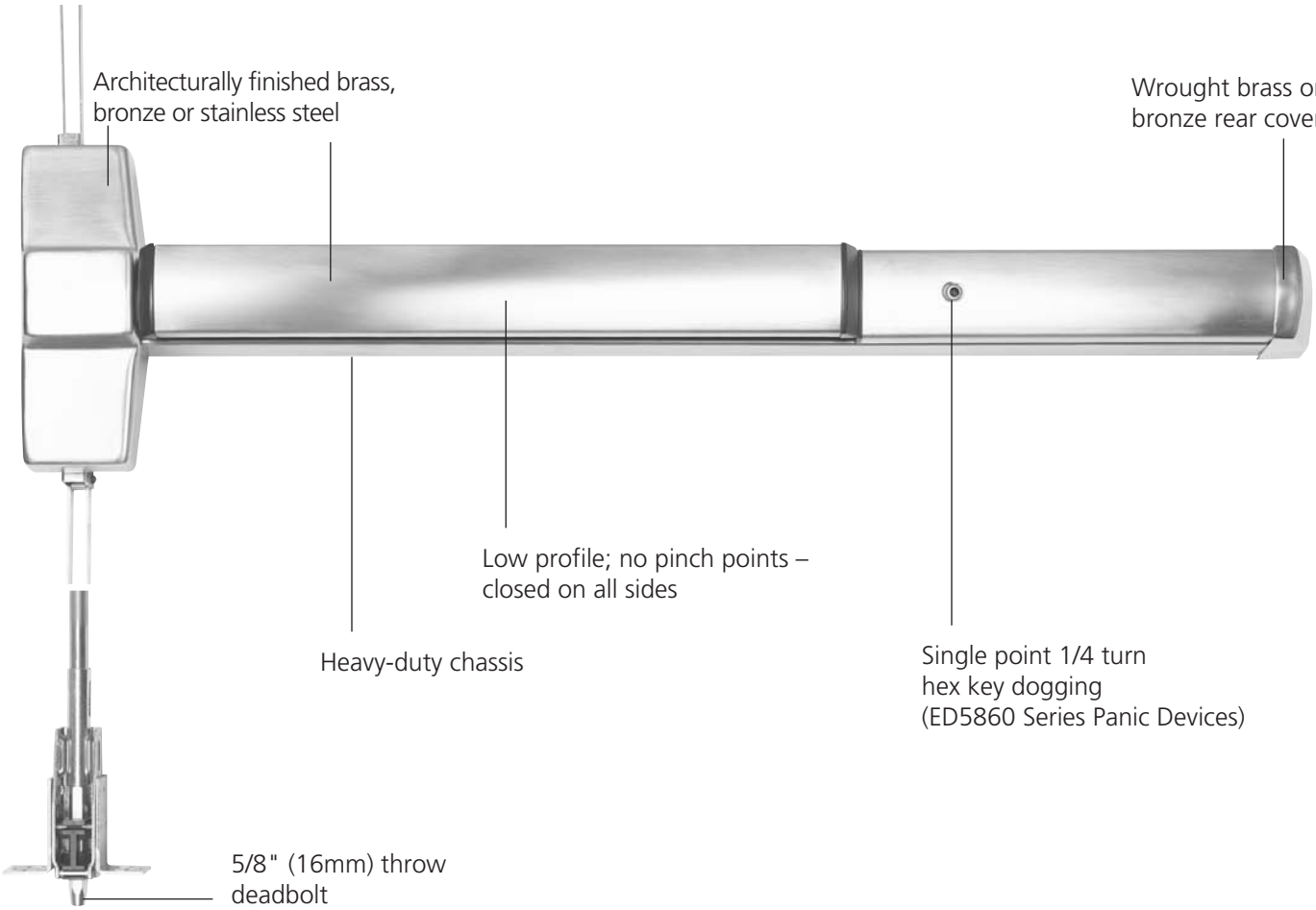


3/4" (19mm) throw deadlocking stainless steel latchbolt



Heat-activated door bolt (Popper) – Used when bottom rod is omitted from fire exit devices (M55).

ED5860B
M55 (Less Bottom Rod)



Architecturally finished brass, bronze or stainless steel

Wrought brass or bronze rear cover

Low profile; no pinch points – closed on all sides

Heavy-duty chassis

Single point 1/4 turn hex key dogging (ED5860 Series Panic Devices)

5/8" (16mm) throw deadbolt

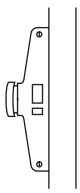
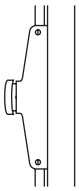
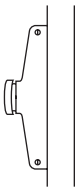
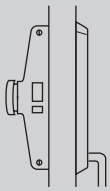
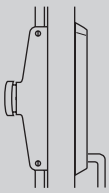
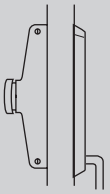
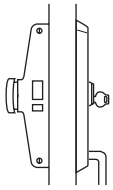
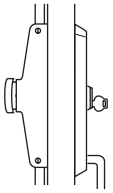
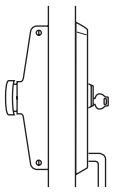
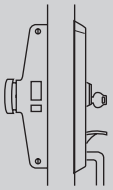
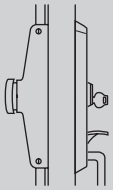
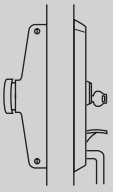
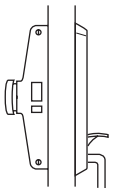
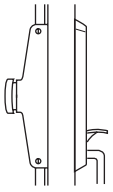
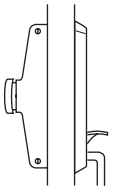
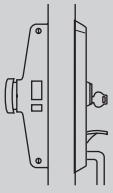
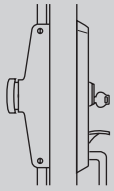
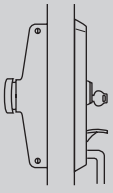
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Corbin Russwin
ASSA ABLOY

Functions

ED5000 Series

Pull and Thumbpiece Trim

Rim/ SecureBolt® ED5200(A) ED5200S(A) Inside	Rim/ SecureBolt® ED5200(A) ED5200S(A) Outside	Surface Vertical Rod ED5400(A) ED5470(B) Inside	Surface Vertical Rod ED5400(A) ED5470(B) Outside	Concealed Vertical Rod ED5800(A) ED5860(B) Inside	Concealed Vertical Rod ED5800(A) ED5860(B) Outside	Type	ANSI No.	Function Description
						**Exit Only**	01	Exit only; no trim.
						**Dummy**	02	Entrance by trim when actuating bar is dogged down.
						**Nightlatch**	03	Entrance by trim when latchbolt is retracted by key.
						**Classroom***	05	Entrance by thumbpiece. Key locks or unlocks thumbpiece.
						**Passage**	15	Entrance by trim when latch is retracted by thumbpiece. Thumbpiece is always active, no cylinder.
						**Storeroom (Thumbpiece Active)**	06	Entrance by thumbpiece only when released by key. Key removable only when locked.

*Classroom function trims can be converted to Storeroom function by a simple field adjustment.

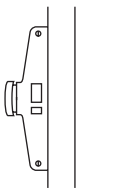
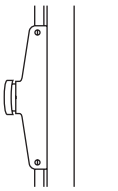
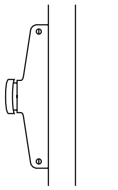
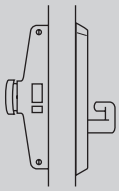
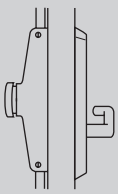
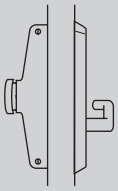
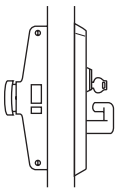
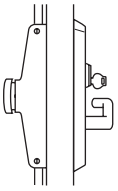
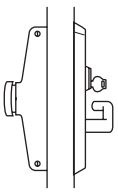
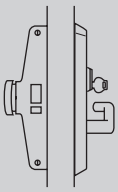
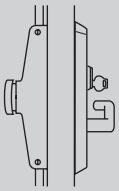
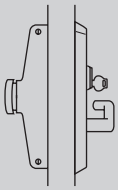
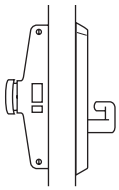
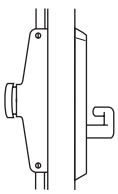
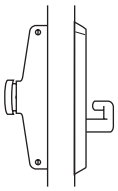
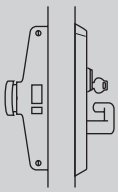
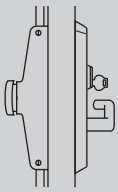
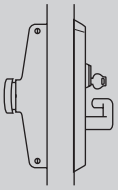
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Corbin Russwin ASSA ABLOY

Functions

ED5000 Series

Lever and Knob Trim

Rim/ SecureBolt® ED5200(A) ED5200S(A) Inside	Rim/ SecureBolt® ED5200(A) ED5200S(A) Outside	Surface Vertical Rod ED5400(A) ED5470(B) Inside	Surface Vertical Rod ED5400(A) ED5470(B) Outside	Concealed Vertical Rod ED5800(A) ED5860(B) Inside	Concealed Vertical Rod ED5800(A) ED5860(B) Outside	Type	ANSI No.	Function Description
						**Exit Only**	01	Exit only; no trim.
						**Dummy**	02	Entrance by trim when actuating bar is dogged down.
						**Nightlatch**	03	Entrance by trim when latchbolt is retracted by key.
						**Classroom***	08	Entrance by knob or lever. Key locks or unlocks knob or lever.
						**Passage**	14	Entrance by trim when latchbolt is retracted by knob or lever. Knob or lever always active, no cylinder.
						**Storeroom (Grip Active)**	09	Entrance by knob or lever only when released by key. Key removable only when locked.

*Classroom function trims can be converted to Storeroom function by a simple field adjustment.

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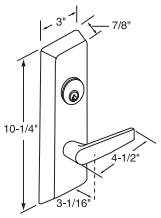
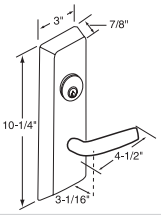
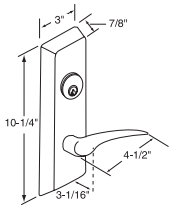
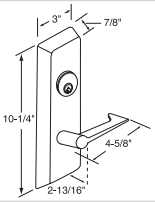
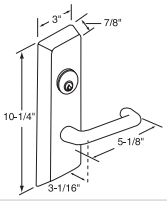
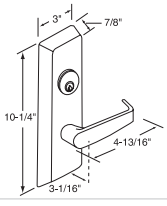
Heavy-Duty Trims & Functions

ED5000 Series

Rim, SecureBolt®, Vertical Rod

Features:

- Free Wheeling vandal-resistant design
- Beveled edges
- Through-bolted to exit device
- Flush cylinder with 6-pin cylinder applications
- 5-year limited warranty

Pull Trim Design			Trim/Function				
			Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Nightlatch ANSI No. 03	Storeroom ANSI No. 09
	**Armstrong A9** Lever: Cast Escutcheon: Forged Cylinder: Rim		A910ET	A950ET	A955ET[1]	A957ET[2]	A959ET[1]
	**Citation C9** Lever: Cast Escutcheon: Forged Cylinder: Rim		C910ET	C950ET	C955ET[1]	C957ET[2]	C959ET[1]
	**Dirke D9** Lever: Cast Escutcheon: Forged Cylinder: Rim Handed: Specify RHR or LHR		D910ET	D950ET	D955ET[1]	D957ET[2]	D959ET[1]
	**Essex E9** Lever: Cast Escutcheon: Forged Cylinder: Rim		E910ET	E950ET	E955ET[1]	E957ET[2]	E959ET[1]
	**Lustra L9** Lever: Cast Escutcheon: Forged Cylinder: Rim		L910ET	L950ET	L955ET[1]	L957ET[2]	L959ET[1]
	**Newport N9** Lever: Cast Escutcheon: Forged Cylinder: Rim		N910ET	N950ET	N955ET[1]	N957ET[2]	N959ET[1]

1. Classroom function trims can be converted to Storeroom function by a simple field adjustment.
2. Active lever, knob or thumbpiece trim recommended for use with surface or concealed vertical rod exit devices.

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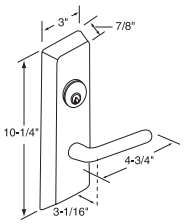
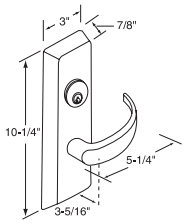
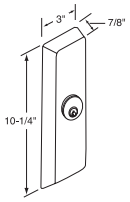
Heavy-Duty Trims & Functions

ED5000 Series

Rim, SecureBolt®, Vertical Rod

Features:

- Free Wheeling vandal-resistant design
- Beveled edges
- Through-bolted to exit device
- Flush cylinder with 6-pin cylinder applications
- 5-year limited warranty

Pull Trim Design			Trim/Function				
			Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Nightlatch ANSI No. 03	Storeroom ANSI No. 09
	**Regis** **R9** Lever: Cast Escutcheon: Forged Cylinder: Rim		R910ET	R950ET	R955ET[1]	R957ET[2]	R959ET[1]
	**Princeton** **PR9** Lever: Cast Escutcheon: Forged Cylinder: Rim		PR910ET	PR950ET	PR955ET[1]	PR957ET[2]	PR959ET[1]
	**Escutcheon** **F9** Escutcheon: Forged Cylinder: Rim		N/A	F950ET	N/A	F957ET[2]	N/A

1. Classroom function trims can be converted to Storeroom function by a simple field adjustment.
2. Active lever, knob or thumbpiece trim recommended for use with surface or concealed vertical rod exit devices.

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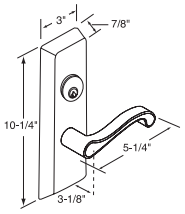
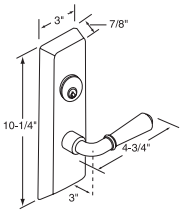
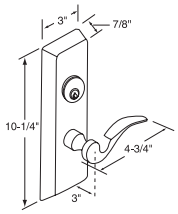
Utility Trims and Functions

ED5000 Series

Rim, SecureBolt®, Vertical Rod

Features:

- Free Wheeling vandal-resistant design
- Beveled edges
- Through-bolted to exit device
- Flush cylinder with 6-pin cylinder applications
- 5-year limited warranty

Pull Trim Design			Trim/Function				
			Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Nightlatch ANSI No. 03	Storeroom ANSI No. 09
	**Frascati FR9** Lever: Cast Escutcheon: Forged Cylinder: Rim Handed: Specify RHR or LHR		FR910ET	FR950ET	FR955ET[1]	FR957ET[2]	FR959ET
	**Merlot M9** Lever: Cast Escutcheon: Forged Cylinder: Rim		M910ET	M950ET	M955ET[1]	M957ET[2]	M959ET
	**Zinfandel Z9** Lever: Cast Escutcheon: Forged Cylinder: Rim Handed: Specify RHR or LHR		Z910ET	Z950ET	Z955ET[1]	Z957ET[2]	Z959ET

1. Classroom function trims can be converted to Storeroom function by a simple field adjustment.
2. Active lever, knob or thumbpiece trim recommended for use with surface or concealed vertical rod exit devices.

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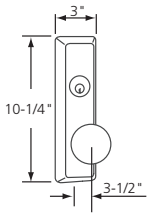
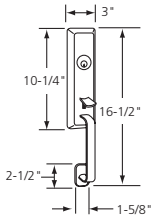
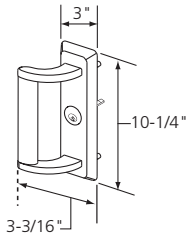
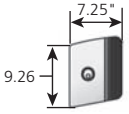
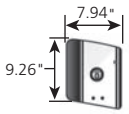
Utility Trims and Functions

ED5000 Series

Rim, SecureBolt®, Vertical Rod

Features:

- Free Wheeling vandal-resistant design
- Beveled edges
- Through-bolted to exit device
- Flush cylinder with 6-pin cylinder applications
- 5-year limited warranty

Pull Trim Design			Trim/Function				
			Passage ANSI No. 14/15	Dummy ANSI No. 02	Classroom ANSI No. 05/08	Nightlatch ANSI No. 03	Storeroom ANSI No. 06/09
	**G900 Trim** Knob: Wrought Escutcheon: Forged Cylinder: Rim		G910ET	G950ET	G955ET[1]	G957ET[2]	G959ET[1]
	**TH900 Trim** Pull: Extruded Escutcheon: Forged Cylinder: Rim Projection: 2-11/16"		TH910ET	TH950ET	TH955ET[1]	TH957ET[2]	TH959ET[1]
	**Offset Pull P9** Pull: Extruded Escutcheon: Forged Cylinder: Rim Handed. Specify RHR or LHR		N/A	P950ET	N/A	P957ET[2]	N/A
	**VT9 Trim** Plate: Formed Stainless Steel Cylinder: Rim Handed: Specify RHR or LHR Available in 630 finish only.		N/A	VT950ET	N/A	VT957ET[2]	N/A
			N/A	VTL950ET[3]	N/A	VTL957ET[2, 3]	N/A
	**Key Only K1[2]** Note: Available with cylinder option only. Ex: K157 x 6P.		N/A	N/A	N/A	K157ET[2,4]	N/A

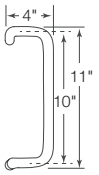
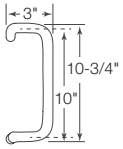
1. Classroom function trims can be converted to Storeroom function by a simple field adjustment.
2. Not recommended for use on ED5400 or ED5800 series exit devices.
3. VTL has a lip that covers door gap and protects the latch.
4. Not available in 625 or 626 finish. Supplied in 629 or 630 respectively.

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Utility Trims and Functions

ED5000 Series

Offset Pull Trim: P12, P13, P14*			
	**Offset Pull P12** Clearance: 2-1/2"		Specify Part Number, 716F50M x Finish[1]
	**Offset Pull P13** Clearance: 2-1/2"		Specify Part Number, 716F51M x Finish[1]
	**Offset Pull P14** Clearance: 2-1/2"		Specify Part Number, 716F52M x Finish[1]

1. Available in 605, 606, 612, 613, 626, 629 and 630 finishes.
*Available on 1-3/4" thick doors only.

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Utility Trims and Functions

ED5000 Series

Rim, SecureBolt®, Vertical Rod Features:

- Free Wheeling vandal-resistant design
- Beveled edges
- Through-bolted to exit device
- Flush cylinder with 6-pin cylinder applications
- 5-year limited warranty



Lever: Cast
Escutcheon: Forged
Cylinder: Rim

Lever Designs (Choose from list below)	Functions					How to Order Example: Trim x Function # 102910
	Passage ANSI No. 14 Function #910	Dummy ANSI No. 02 Function #950	Classroom ANSI No. 08 Function #955	Nightlatch ANSI No. 03 Function #957	Storeroom ANSI No. 09 Function #959	
Muséo®						
Georgia	 101[4]	 102	 103	 104[4]	 124[2]	125[2]
Salvador	 106	 107	 108	 109	 110	 123[2]	 128[2]
Marc	 111[4]	 112[4]	 113[4]	 114[4]	 115[4]	 116[4]	 130[2,4]	 131[2,4]	 132[2,4]
Pablo	 117[4]	 126[2,4]							
Jackson	 105[4]	 119[4]	 121[4]	 122[4]	 127[2,4]				
Piet*	 21G	 21L	 21M	 21S	 23M	 25M	 27M		
Joseph[3]	 133	 134[2]	 135	 136[2]	 137	 138[2]			
Georges	 139	 140	 141	 142	 143				

See pages 60 for how to order the Muséo® Piet Lever Collection.
1. Classroom function trims can be converted to Storeroom function by a simple field adjustment.
2. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
3. 135-138 contain white or back polycarbonate insert
4. Not available in 32D or 32 finish

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Mortise Features

ED5000 Series

ED5600 **Panic-Listed Mortise Exit Device**
ED5600A **3-Hour Fire-Listed Mortise Exit Device**
ED5602L **Panic-Listed Listed Mortise Double Cylinder Exit Device**
ED5602AL **3-Hour Fire-Listed Mortise Double Cylinder Exit Device**

Features

Handing
Device is non-handed.
Mortise lock body is handed, but field reversible.
Lever trim may be handed.

Bar length
Easily field cut to size.
Standard: 36" (914mm) bar fits 30"- 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36"-48" (914mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.

Optional: 2" (51mm); specify D200.

Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 4-1/2" (114mm).

Latchbolt
2-piece mechanical, 3/4" (19mm) throw, stainless steel with auxiliary deadlocking latch.

Materials
Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection

3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging
Standard on panic devices; single-point 1/4 turn hex key dogging.
Optional: less dogging, specify M51.
Optional: cylinder dogging, specify M52.
Optional: electric dogging; specify M97.
Mechanical dogging not available on fire-rated devices.

Fasteners
Standard on panic devices: machine screws and wood door fasteners.
Standard on fire-rated devices: sex nuts and bolts.
Optional on panic devices: sex nuts and bolts for use on wood, composite, or unreinforced metal doors; specify M54.
Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64.

Strike
Non-handed. ANSI curved lip standard. 4-7/8" x 1-1/4" x 1-1/4" lip to center.
Optional strikes available; see Options and Accessories, page 51.

Functions and Trims
Through-bolted lever, knob, pull and thumbpiece trims available with wide range of functions; see Trims and Functions, pages 28-35.

Cylinders
Cylinder not included unless specified. See Quick Codes, page 54.

Shim Kit
Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings
See page 4.

Warranty
Five-year limited.

Certification/Compliance

ANSI
Meets A156.3, Type 3, Grade 1.
Meets A117.1 Accessibility Code.

UL/cUL
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 4' x 8' single or 8' x 8' double doors; UL symbol on active case cover indicates listings.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA
All exit devices comply with NFPA 101 Life Safety Code.

All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA
Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
613E	Dark Oxidized Satin Bronze Equivalent
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626* (Trim only)	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield®
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield®
722	Black oxidized bronze,oil rubbed
BSP	Black Suede Powder
WSP	White Suede Powder Coat

***Contact factory for devices required in BHMA 626**

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Mortise Features

ED5000 Series

ED5600K, ED5657K, ED5600L, ED5602L, ED5657L, ED5600T, ED5657T
Mortise Panic-Listed Exit Devices

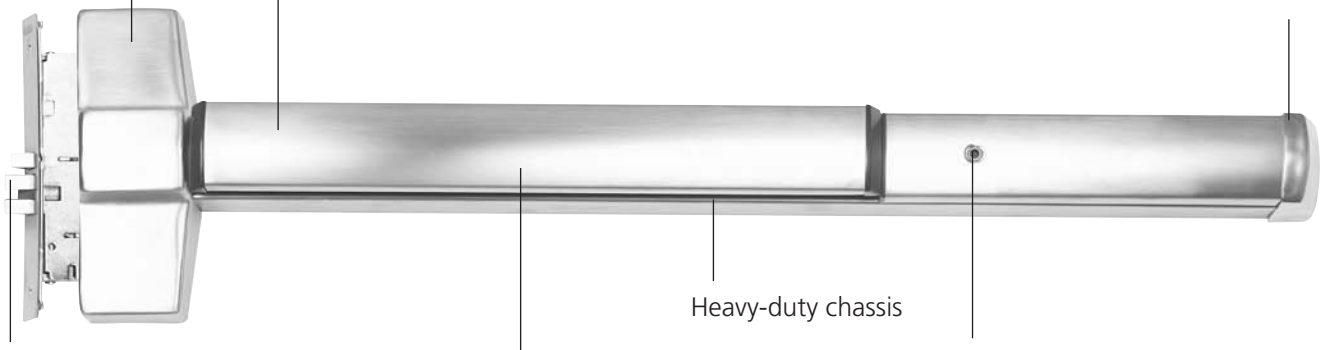
ED5600AK, ED5657AK, ED5600AL, ED5602AL, ED5657AL ED5600AT, ED5657AT
Mortise Fire-Listed Exit Devices



ED5602L, ED5602AL Mortise Double Cylinder Exit Devices

How to Order/Specify
Mortise Exit

Trim Type	Functions	Panic	Fire
Knob	Passage	ED5600K	ED5600AK
	Classroom		
	Nightlatch	ED5657K	ED5657AK
	Dummy		
Lever or Flat Plate	Passage	ED5600L	ED5600AL
	Classroom		
	Double Cylinder (Classroom function Trim only)	ED5602L	ED5602AL
	Nightlatch	ED5657L	ED5657AL
	Dummy		
Thumbpiece	Passage	ED5600T	ED5600AT
	Classroom		
	Nightlatch	ED5657T	ED5657AT
	Dummy		



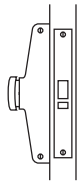
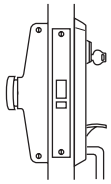
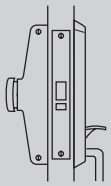
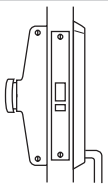
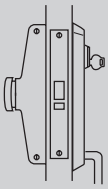
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Mortise Functions

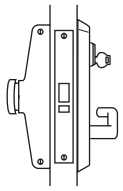
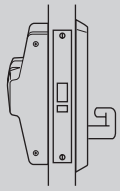
ED5000 Series

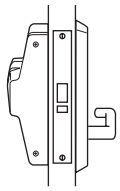
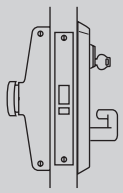
Exit Only, Pull and Thumbpiece Trim

Mortise ED5600L ED5600AL Inside Outside	Type	ANSI No.	Function Description
	**Exit Only**	01	Exit only; no trim.
Mortise ED5600T ED5600AT Inside Outside	**Type**	**ANSI No.**	**Function Description**
	**Classroom**	05	Entrance by thumbpiece. Key locks or unlocks thumbpiece. Specify Thumbpiece - ED5600T or ED5600AT.
	**Passage**	15	Entrance by trim when latch is retracted by thumbpiece. Thumbpiece always active, no cylinder. Specify Thumbpiece - ED5600T or ED5600AT.
Mortise ED5657T ED5657AT Inside Outside	**Type**	**ANSI No.**	**Function Description**
	**Dummy**	02	Entrance by trim when actuating bar is dogged down. Specify ED5657T or ED5657AT.
	**Nightlatch**	03	Entrance by trim when latchbolt is retracted by key. Key removable only when locked. Specify ED5657T or ED5657AT.

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Lever and Knob Trim

Mortise ED5600L ED5600AL ED5600K ED5600AK Inside Outside	Type	ANSI No.	Function Description
	**Classroom****	08	Entrance by knob or lever. Key locks or unlocks knob or lever.
	**Passage***	14	Entrance by trim when latchbolt is retracted by knob or lever. Knob or lever always active, no cylinder. Specify K, AK, L or AL.

Mortise ED5657L ED5657AL ED5657K ED5657AK Inside Outside	Type	ANSI No.	Function Description
	**Dummy***	02	Entrance by trim when actuating bar is dogged down.
	**Nightlatch****	03	Entrance by trim when latchbolt is retracted by key. Key removable only when locked. Specify ED5657L, ED5657AL, ED5657K, ED5657AK.

*Dummy and passage function trims are the same.
**Classroom and Nightlatch function trims are the same. Trim function must be specified when ordered with an exit to ensure that the correct lock body is supplied with the device.

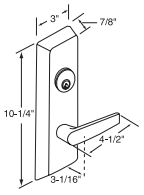
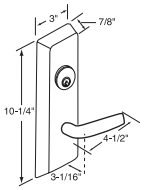
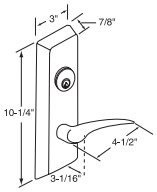
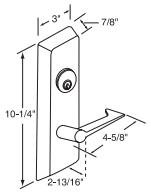
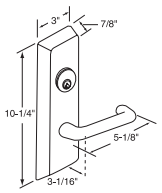
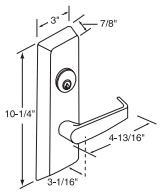
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Heavy-Duty Mortise Trims & Functions

ED5000 Series

Features:
- Beveled edges
- Rigid lever when locked
- Flush cylinder
- Through-bolted to exit device
- 5-year limited warranty

Trim Design			Trim/Function			
			Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Nightlatch ANSI No. 03
	**Armstrong A9M** Lever: Cast Escutcheon: Forged Cylinder: 1-3/4" Mortise A02		A9M10	A9M50	A9M55	A9M57
	**Citation C9M** Lever: Cast Escutcheon: Forged Cylinder: 1-3/4" Mortise A02		C9M10	C9M50	C9M55	C9M57
	**Dirke D9M** Lever: Cast Escutcheon: Forged Cylinder: 1-3/4" Mortise A02 Handed: Specify RHR or LHR		D9M10	D9M50	D9M55	D9M57
	**Essex E9M** Lever: Cast Escutcheon: Forged Cylinder: 1-3/4" Mortise A02		E9M10	E9M50	E9M55	E9M57
	**Lustra L9M** Lever: Cast Escutcheon: Forged Cylinder: 1-3/4" Mortise A02		L9M10	L9M50	L9M55	L9M57
	**Newport N9M** Lever: Cast Escutcheon: Forged Cylinder: 1-3/4" Mortise A02		N9M10	N9M50	N9M55	N9M57

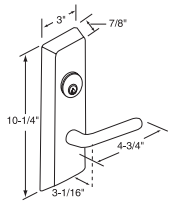
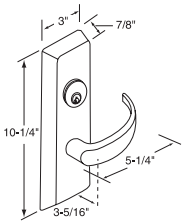
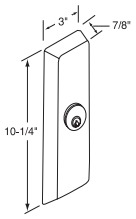
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Heavy-Duty Mortise Trims & Functions

ED5000 Series

Features:

- Beveled edges
- Rigid lever when locked
- Flush cylinder
- Through-bolted to exit device
- 5-year limited warranty

Trim Design			Trim/Function			
			Passage ANSI No. 14	**Dummy ANSI No. 02**	**Classroom ANSI No. 08**	**Nightlatch ANSI No. 03**
	**Regis R9M** Lever: Cast Escutcheon: Forged Cylinder: 1-3/4" Mortise A02		R9M10	R9M50	R9M55	R9M57
	**Princeton PR9M** Lever: Cast Escutcheon: Forged Cylinder: 1-3/4" Mortise A02		PR9M10	PR9M50	PR9M55	PR9M57
	**Escutcheon F9** Escutcheon: Forged Cylinder: 1-3/4" Mortise A02		N/A	F950	N/A	F9M57

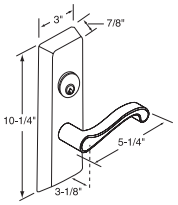
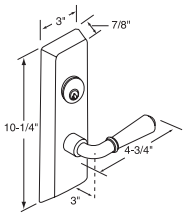
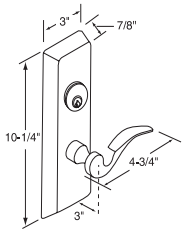
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Heavy-Duty Mortise Trims & Functions

ED5000 Series

Features:
- Beveled edges
- Rigid lever when locked
- Flush cylinder
- Through-bolted to exit device
- 5-year limited warranty

Trim Design			Trim/Function			
			Passage ANSI No. 14	**Dummy ANSI No. 02**	**Classroom ANSI No. 08**	**Nightlatch ANSI No. 03**
	**Frascati FR9M** Lever: Cast Escutcheon: Forged Cylinder: 1-3/4" Mortise A02 Handed: Specify RHR or LHR		FR9M10	FR9M50	FR9M55	FR9M57
	**Merlot M9M** Lever: Cast Escutcheon: Forged Cylinder: 1-3/4" Mortise A02		M9M10	M9M50	M9M55	M9M57
	**Zinfandel Z9M** Lever: Cast Escutcheon: Forged Cylinder: 1-3/4" Mortise A02 Handed: Specify RHR or LHR		Z9M10	Z9M50	Z9M55	Z9M57

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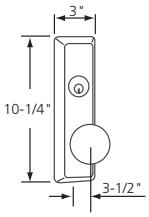
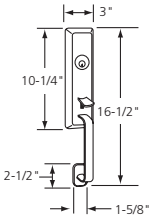
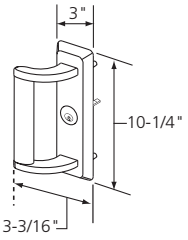
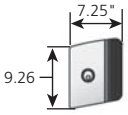
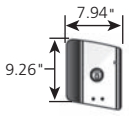
Mortise Utility Trims & Functions

ED5000 Series

Mortise

Features:

- Vandal-resistant design
- Beveled edges
- Through-bolted to exit device
- Flush cylinder with 6-pin cylinder applications
- 5-year limited warranty

Pull Trim Design			Trim/Function			
			Passage ANSI No. 14/15	Dummy ANSI No. 02	Classroom ANSI No. 05/08	Nightlatch ANSI No. 03
	**G9M00 Trim** Knob: Wrought Escutcheon: Forged Cylinder: 1-3/4" Mortise A02		G9M10	G9M50	G9M55	G9M57
	**TH9M00 Trim** Pull: Extruded Escutcheon: Forged Cylinder: 1-3/4" Mortise A02 Projection: 2-11/16"		TH9M10ET	TH950ET	TH9M55ET	TH9M57ET
	**Offset Pull** **P9M** Pull: Extruded Escutcheon: Forged Cylinder: 1-3/4" Mortise A02 Handed: Specify RHR or LHR		N/A	P950ET	N/A	P9M57ET (03)
	**VT9M Trim** Plate: Formed Stainless Steel Cylinder: Mortise Handed: Specify RHR or LHR Available in 630 finish only.		N/A	VT950ET	N/A	VT9M57ET
			N/A	VTL950ET[3]	N/A	VTL9M57ET[3]
	**Key Only** **K1M** Note: Available with cylinder option only. Ex: K1M57 x 6P.		N/A	N/A	N/A	K1M57ET

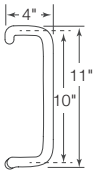
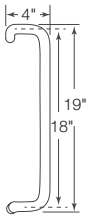
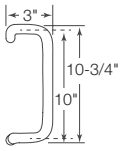
3. VTL has a lip that covers door gap and protects the latch.

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Mortise Utility Trims & Functions

ED5000 Series

Offset Pull Trim: P12, P13, P14*			
	**Offset Pull** **P12** Clearance: 2-1/2"		Specify Part Number, 716F50M x Finish[1]
	**Offset Pull** **P13** Clearance: 2-1/2"		Specify Part Number, 716F51M x Finish[1]
	**Offset Pull** **P14** Clearance: 2-1/2"		Specify Part Number, 716F52M x Finish[1]

1. Available in 605, 606, 612, 613, 626, 629 and 630 finishes.
* Available on 1 3/4" thick doors only.

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Mortise Utility Trims & Functions

ED5000 Series

Mortise Features:

- Beveled edges
- Rigid lever when locked
- Through-bolted to exit device
- Flush cylinder
- 5-year limited warranty



Lever: Cast
Escutcheon: Forged
Cylinder: 1-1/2"
Mortise A02

Lever Designs (Choose from list below)	Function				How to Order Example: Trim x Function # 102910
	Passage ANSI No. 14 Function #9M10	Dummy ANSI No. 02 Function #9M50	Classroom ANSI No. 08 Function #9M55	Nightlatch ANSI No. 03 Function #9M57	
Muséo®					
Georgia	101[4]	102	103	104[4]	124[2] / 125[2]
Salvador	106	107	108	109	110 / 123[2] / 128[2]
Marc	111[4]	112[4]	113[4]	114[4]	115[4] / 116[4] / 130[2,4] / 131[2,4] / 132[2,4]
Pablo	117[4]	126[2,4]			
Jackson	105[4]	119[4]	121[4]	122[4]	127[2,4]
Piet*	21G	21L	21M	21S	23M / 25M / 27M
Joseph[3]	133	134[2]	135	136[2]	137 / 138[2]
Georges	139	140	141	142	143

**See pages 60 for how to order the Muséo® Piet Lever Collection.*
1. Classroom function trims can be converted to Storeroom function by a simple field adjustment.
2. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
3. 135-138 contain white or back polycarbonate insert
4. Not available in 32D or 32 finish

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Corbin Russwin
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Electrified Exit Devices

ED5000 Series

Electrified Exit Devices

The Corbin Russwin ED5000 series electrified exit devices offer a complete range of options that may be integrated into the monitoring security and alarm systems of most buildings. The continuum of appearance is maintained, as well as the security and function of the ED5000 series mechanical exit device.



List No.	Exit Device Description	Available options										
		MELR	M61	M91	M92	M93	M97	SAF	SEC	D	9903	9905
ED5200 (A)	Rim Exit Device	x	x	x	x	x	x			x	x	x
ED5200S (A)	Rim SecureBolt® Device	x	x	x	x	x	x			x	x	x
ED5400 (A)	Surface Vertical Rod	x	x	x	x	x	x			x	x	x
ED5470 (B)	Surface Vertical Rod	x	x	x	x	x	x			x	x	x
ED5600 (A)	Mortise Exit Device	x	x	x	x		x	x	x	x		
ED5800 (A)	Concealed Vertical Rod	x	x	x	x	x	x			x	x	x
ED5860 (B)	Concealed Vertical Rod	x	x	x	x	x	x			x	x	x

Electrified Hardware Option Descriptions

MELR	Motorized Electric Latch Retraction
M61	Alarm Option
M91	Bolt Monitor
M92	Touchbar Monitor
M93	Trim Monitor
M97	Electric Dogging
SAF	Fail Safe Operation
SEC	Fail Secure Operation
D*	Delayed Egress[2]
9903	Fail Safe Electrified Trim
9905	Fail Secure Electrified Trim

*** Add as suffix to exit device.**
Example: ED5200D x 630 x RHR

Note 1: The following options cannot be ordered together on the same device:

a) (MELR or M97) & D
b) MELR x M97
c) M52 x M97
d) M97 x M107
e) (M61 or M92) & D
f) M61 x M92
g) M61 x MELR
h) M61x M52
i) M52 & D
j) ED5600 x M91 & M93
k) (ED5600 SAF or SEC) x (M91 or M93)
l) Surface vertical rod exit devices with M61 x M91, M92 or M93.
m) (MELR or M97) x W024

Note 2: When ordering a surface vertical rod exit device with the D option, rod and latch guards (provided by other) must be used.

Note 3: M88 (NFPA30) M89 (BOCA-15) and M90 (BOCA-30) are available only as options for suffix "D" Delayed Egress Exit Devices.

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Electrified Exit Devices

ED5000 Series

Electric Latch Retraction - MELR

The Motorized Electric Latch Retraction (MELR) exit device provides remote-controlled latch retraction that delivers quiet, smooth operation for convenient, hassle-free egress. Easily installed in new applications and available as retrofit rail kit assemblies for field updates, the MELR features maintenance-free design with few moving parts using 86% less power consumption during retraction than solenoid devices. Plus, MELR is powered by a standard power supply, simplifying installation and increasing system design flexibility.

Application

SecureBolt® Exit Devices
Rim Exit Devices
Surface Vertical Rod Exit Devices
Concealed Vertical Rod Exit Devices
Mortise Exit Devices

Listings

UL listed for both Panic and Fire Exit Hardware. Windstorm rated with M107 option.

Bar Length/Door Width

Easily field cut to size.

Standard: 36" (914mm) bar fits 34"-36" (762mm-914mm) door.

Optional: 48" (1219mm) bar fits 40"-48" (914mm-1219mm) door; specify W048.

Electrical Specifications

24VDC (BPS-24-1) regulated/filtered power supply. Requires 1A per device

Motor Driven Latch Retraction

.65A amp max during retraction
.2 amp holding-continuous duty

Device bolts remain retracted for as long as the device is energized. Removal of power returns the device to the life safety, self-latching mechanical mode.
Interface with central or local fire alarm system, automatic door operators, access control systems, security alarm systems, and blow open door systems.

Amount of rail retraction is automatically controlled by controller PC board; system actively monitors position and speed and adjusts itself.

Timer

Digital retraction timer (0-20 seconds) or set to power mode for access control systems.

Hinges

Standard electric hinge. No special power transfer required.

Note: This feature is not available with Electric Dogging (M97) or delayed egress (D) on the same device.

Warranty

5 years

How to Order

Specify Quick Code MELR.



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MELR Retrofit Device Assembly

ED5000 Series

Existing solenoid and mechanical devices can be retrofit to motorized electric latch retraction (MELR) by purchasing retrofit kits via the following associated part numbers, if the device was manufactured after April 2015.

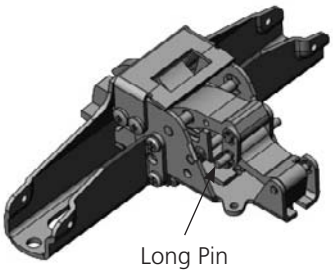
Part Number	Product	Kit Description
727F158	Device ASSY, MELR 36"	MELR rail assy, no switches, no latch, with controller, with touchbar end cap
727F238	Device ASSY, MELR 48"	
727F248	Device ASSY, MELR 36" x M107 (Windstorm)	
727F258	Device ASSY, MELR 48" x M107 (Windstorm)	
726F988	Device ASSY, MELR 36" x M93	MELR rail assy, M93, no latch, with controller, with touchbar end cap
726F388	Device ASSY, MELR 48" x M93	
727F028	Device ASSY, MELR 36" x M93 x M107 (Windstorm)	
727F038	Device ASSY, MELR 48" x M93 x M107 (Windstorm)	

Note:
- For devices that use the M91 option, simply connect the wire from the existing switch to the new rail.
- For devices that use the M92 option, the existing switch needs to be moved and wired to the new rail.
- For a list of replacement parts for existing motorized electric latch retraction devices, contact Technical Product Support at 888-607-5703.
- 782 Controller CANNOT be used with MELR. Recommend BPS-24-XX

Latchhead Requirements

Existing solenoid and mechanical devices manufactured prior to April 2015 require the device assembly retrofit kit (see above) and a new latchhead. Refer to the ED5000 Series Parts & Service Manual for latchhead replacement part numbers.

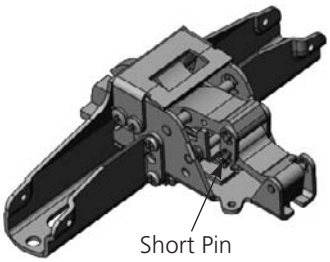
Latchhead Pins (Since April 2015 (17/15))



Long Pin

Latchhead Pins (Prior to April 2015 (17/15))

New latchheads must be ordered when upgrading to MELR if the Date Code Label is before 17/15. See parts manual for replacement part numbers.



Short Pin

Date Code Label Example

80-7710-0010-048
AAO
17/15

17/15 refers to 17th week of 2015.

Note: Label with date code is located on front face of latch head.

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Electrified Exit Devices

ED5000 Series

Delayed Egress Exit Device - D

The delayed egress option provides additional security and safety in a strong line of exit hardware. The delayed egress exit device is an electromechanical device used to secure interior or exterior openings.

Operation

The exit door is normally closed and latched. The Delayed Egress Exit Device "D" secures the door in the locked mode with the solid Red LED indicating locked mode status. Depressing the pushpad for less than 3 seconds will sound the nuisance beep without initiating the alarm. Depressing the pushpad for 3 seconds or longer will initiate an irreversible local audible beeping tone and a visual amber indicator until the device releases. The person depressing the exit bar is denied egress for 15 or 30 seconds and security personnel are alerted. After the delay time of 15 or 30 seconds the device releases, the LED changes to Green, and the alarm changes to a steady tone which continues to alarm until manually reset by key. The remote monitoring contact outputs can be used to alert security personnel.
Note: The 15-second time delay is standard. 30-second time delay is optional (may be accepted by local jurisdiction).

Applications

- For use on hollow metal, wood or composite interior or exterior doors.
- Available for rim, SecureBolt®, surface vertical rod, concealed vertical rod and mortise panic and fire-rated exit devices. For surface vertical rod exit devices, rod and latch guards must be used. Consult factory for more information.
- Complies with NFPA 101 "Code For Safety To Life From Buildings And Structures" by National Fire Protection Association.
- BOCA options available to comply with National Building Code requirements. BOCA option is not suitable for installations in accordance with NFPA 101.



- 1-3/4" (45mm) door thickness standard; 2" (51mm) and 2-1/4" (57mm) optional; specify D200 or D214 when ordering.
- Standard 36" device fits 36" doors only. Device cannot be cut less than 36".
- Option W048 fits doors 42" – 48". Devices cannot be cut less than 42".

Listing

- UL/cUL Listed
  - Fire Exit Hardware (GXHX/GXHX7)
  - Controlled Exit Panic Device (FUKD/FUKD7)
  - Special Locking Arrangements (FWAX/FWAX7)
- BHMA (ANSI A156.3 and ANSI A156.24) Directory of Certified Exit Devices

Specifications

Input Voltage: 24VDC (+/- 10%) Regulated and filtered.

Power Consumption

- Standard Device: 500 mA
- Device with Electric Trim Control: 1.5 Amp
- Mortise Device with "Safe" or "Secure" option: 1.5 Amp

Standard Features

Key Switch Operation:

- Normal: The system is armed by applying power to the device (solid Red LED). Depressing the pushpad for more than the nuisance delay time starts the exit delay cycle.
- Bypass: Turning the key switch clockwise to the bypass position allows immediate egress without alarming. The bar functions as a standard exit device. (Red LED flashes slow.)
- Reset/Delay: Used to reset device after the factory set 15 or optional 30 second delay cycle has timed out. If the device is armed, turning the key switch counterclockwise to the reset mode will release the device without alarm for egress and will rearm after 10 seconds. (Red LED flashes quickly.)
- Alarm Strength: 85 Db @ 10'.

Local Visual Status Indicator:

- RED: The exit device is secure and the delayed egress circuitry is energized.
- AMBER: The egress cycle has started, indicated by an irreversible local audible beeping tone.
- GREEN: Exit device is in alarm and has released.

Nuisance Delay Time:

Depressing for 3 seconds or less sounds an audible beep without activating the irreversible alarm sequence. (Immediate alarm can be selected by removing a jumper on the control board.)

Internal Alarm Siren:

When the exit device is armed, depressing the push pad initiates the internal 85db alarm siren.

Remote Control Inputs:

- Remote Reset: Accepts a momentary contact (keyswitch, pushbutton, etc.) to reset the unit during alarm or allows momentary egress (10 seconds) when the unit is armed.
- Remote Bypass: Accepts a momentary contact to put the unit in a maintained bypass operation. The exit device functions as a standard device.

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Electrified Exit Devices

ED5000 Series

Alarm Outputs:
Two sets of normally open and normally closed contacts. Contacts change only during alarm status. One set of contacts changes when device delay cycle has started (Alarm). One set of contacts changes when device has released (Secure).

Door Sign:
Door sign per code included.

How to Order
Specify "D" suffix after device.
Example: ED5200SD

Options
Bolt Position Monitor M91:
SPDT (Single Pole Double Throw) switch that monitors the position of the latchbolt or vertical rods. To order, specify M91.

Outside Trim Monitor M93:
Used when outside trim is desired to be used with an external door position switch (by others) input. This switch will allow Bypass (disarms device) when the trim is used for ingress. The device requires setting after entry by means of the keyswitch on the device or a remote switch. To order, specify M93.
Note: If an external DPS is not used, standard trim will allow entry without affecting the device in an armed mode. The device will only be affected when the touchbar is depressed.

Mortise Electric Trim Control SAF/SEC:
The mortise delayed egress exit device can be ordered with Fail Safe or Fail Secure outside trim operation. In a fire condition the Fail Safe trim will release for entry. When access control is used the Fail Secure trim allows entry by means of a remote card reader, keyswitch, pushbutton, etc. To order, specify SAF or SEC.
Note: The trim will open the door without affecting the device in an armed mode if a door position switch (by others) is not used.

30-Second Delay M88:
Device released after 30 seconds. The device will provide visual and audible indication that the delayed egress cycle has been activated. After the device has been released, the siren changes to a steady tone which continues until reset by keyswitch or remote inputs on the device. Required signage must indicate 30 seconds for release. To order, specify M88.
Note: 30 seconds may be accepted by local jurisdiction.

BOCA 15-Second Delay M89:
BOCA 30-Second Delay M90:
Upon pressing the touchpad for 3 seconds or more, the device will sound an audible beeping tone and release for egress after a total of 15 or 30 seconds, sounding the alarm. When the door is re-secured, the device will automatically rearm after 30 seconds. A door position switch (by others) is required for this option. Required signage must indicate 15 or 30 seconds for release. To order, specify M89 for BOCA 15 seconds or M90 for BOCA 30 seconds.
Note: BOCA option is not suitable for installations in accordance with NFPA 101.

Required Accessories
Power Supply:
A regulated and filtered power supply with a Fire Alarm interface is required.
1 Amp minimum @ 24VDC per device.
Special options will require more amperage. Consult factory.
To order, specify:
- BPS-24-1 – 1 Amp @ 24VDC power supply (controls 1 "D" device)
- BPS-24-2 – 1.5 Amp @ 24VDC power supply (controls 2 "D"s or 1 "D" with SAF or SEC options)

Power Transfer:
Allows the power to make the transition from frame to door without pinching or removal of insulation. Optional power transfer: EPTL – concealed transfer for up to and over 120° swing doors. To order specify Part No. 704F28. Consult catalog for additional recommended power supplies and accessories.

Trims
Utilizes heavy-duty and utility trims. See Trims and Functions, pages 28-35.

Cylinders
Utilizes a 1-1/8" mortise cylinder; A02 cam. Cylinder not included unless specified. See Quick Codes, page 54.

Warranty
Exit devices and heavy-duty trim carry a five-year limited warranty. Electronic components carry a two-year limited warranty.

EPTL
Power Transfer



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Electrified Exit Devices

ED5000 Series

M61 Exit Alarm



Activation
Alarm is armed by turning key clockwise. Low audible chirp indicates alarm has been activated. Alarm will sound when the exit device pushpad is depressed. Factory preset for standard alarm mode which automatically resets after 5 minutes.

Continuous Alarm Mode
Alarm sounds continuously when the exit device pushpad is depressed. Alarm must be manually reset by keyswitch. (This feature is selected by a switch on the circuit board.)

Low Battery Warning
Audible chirp. Every 30 seconds.

Warning Decal
"EMERGENCY EXIT-ALARM WILL SOUND" provided.

Nuisance Alarm
Units are factory preset for instant alarm. Selectable feature for alarm to sound when exit device touchbar is depressed for more than 2 seconds. (This feature is selected by a switch on the circuit board.)

Kit
Available in kit form for field retrofit except surface vertical rods. Order ED50AK.

Arming Delay/Authorized Egress
A 10-second delay (after arming) permits egress (by turning key clockwise).

Alarm Shunt
Ingress shunt alarm input for devices with signal & outside trim monitors (M91 & M93).

Power Requirements
One 9-volt battery (included).

Alarm Strength
90db @ 10 feet.

Arm/Disarm
Requires one 1-1/8" A02 cam mortise cylinder. Clockwise turn arms the alarm, counterclockwise turn disarms or silences the alarm. Low audible chirp indicates alarm has been activated.

Device Status
A Red LED indicator will illuminate every 30 seconds when the alarm is armed.

Tamper Resistant
Built-in safety monitor sounds alarm when tampering occurs.

Cylinders
Mortise 1-1/8" A02 Cam. Cylinder not included unless specified. See Quick Codes, page 54.

Door Width
Available for 36"-48" devices only. Not available with devices less than 36". 48" device can be cut to fit 42"-48" door.

Quick Code
M61

Alarm Kit
ED50AK
ED50AK x W048 (48" devices) optional

Hard Wired Option
A hard wired option is available by using a 9VDC output power supply and a remote power harness. Specify 784 to order the 9VDC output power supply. See page 45 for 784 power supply information. Specify 709F989 to order the remote power harness for a 36" device and specify 709F999 to order the remote power harness for a 48" device.

Exceptions
The ED50AK for the ED5000 series exit devices cannot be retrofitted in the field to the ED5400/5470 series surface vertical rod exit devices.

The alarm option is available for the surface vertical rod devices by factory order only. To order, add the quick code suffix M61 to the device number; for example, ED5470 x M61.

Please note, in accordance with Corbin Russwin's standard limited warranty, any attempt to retrofit the ED50AK to a surface vertical rod exit device will void the warranties for these products.

Surface vertical rod exit devices with alarm kit cannot be ordered with M91, M92 or M93.

How to Order

Ordering example for Exit Device

ED5400	626	M61
↓	↓	↓
Device	Finish	Quick Code for Alarm Option (Cylinder Not Included)

Ordering Example for Alarm Kit Only

ED50AK	626	W048
↓	↓	↓
Alarm Kit	Finish	Door Width (Cylinder Not Included)

NOTE: Dogging not available with M61 option and ED50AK alarm kit.

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Electrified Exit Devices

ED5000 Series

Electric Dogging - M97

This electronic feature will provide continuous dogging when power is applied and the push bar is depressed manually. Interruption or removal of the power will release the pushbar and return the exit device back to normal operation.

Application

SecureBolt® Exit Devices
Rim Exit Devices
Surface Vertical Rod Exit Devices
Concealed Vertical Rod Exit Devices
Mortise Exit Devices

Listings

UL listed for both Panic and Fire Exit Hardware.

Electrical Specifications

.35 Amps @ 24VDC continuous duty
(2) 36 volt holding magnets holding force (86 lbf. total)

Note: This feature is not available with Motorized Electric Latch Retraction (MELR) or delayed egress (D) on the same device.

How to Order

Specify Quick Code M97.

Mortise Device Trim Control Safe or Secure

Mortise device trim control provides a remote means of locking and unlocking the outside lever trim. This feature is provided by continuous duty solenoids in the device mortise lock.

Application

Mortise exit devices with lever trim.

Listings

UL listed for both Panic and Fire Exit Hardware.

Electrical Specifications

24VDC 330 milliamperes

Fail Safe units maintain the door locked as long as the device is energized.

Fail Secure units maintain the door unlocked as long as the device is energized.

Regulated 24VDC power supply required.

Note: SAF & SEC options are only available with ED5600L and ED5600(A)L version lock body functions and may not be combined with either the M91 or M93 monitoring options.

How to Order

Specify Quick Code "SAF" for Safe or "SEC" for Secure.

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Electrified Exit Devices

ED5000 Series

Electrically Controlled Heavy-Duty Trim

Electrically controlled trim provides electric locking and unlocking of the 900 Series heavy-duty lever trim. It easily retrofits into existing applications and is ideal for door control.

Advantages

- Available in Fail Safe or Fail Secure operation
- Features EcoFlex™ technology
- Operates from 12-24 VDC
- Internal rectifier accepts AC or DC voltage
- Free Wheeling lever when locked
- Key override (specify cylinder)
- Plug connector with 4' wire lead (Exit device can be used as the wire raceway)

Applications

- ED5200(A) Rim
- ED5200S(A) SecureBolt®
- ED5400(A) Surface Vertical Rod
- ED5470(B) Surface Vertical Rod
- ED5800(A) CVR
- ED5860(B) CVR

Trim

Utilizes all 900 series trim lever designs including the Muséo® and Vineyard™ Collections

Electrical Specifications

- Actuator Draw = 400mA inrush / 15mA continuous @12VDC / 24VDC
- Security Monitor Switch (M98): 4 AMP @ 250VAC

Door Thickness

1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Options

- M98 – Security Monitor. A SPDT switch that monitors the position of the motor actuator (lock and unlock status).
- M99 – Trim gasket for exterior applications.

Cylinder

Cylinder not included unless specified. See Quick Codes, page 54.

How to Order

N9903 626 RHR M98, 6P



Electrically Controlled Heavy-Duty Trim

Functions

Fail Safe

The x9903 trim is locked when power is on and unlocked when power is off.

	Function Description
x9903 (Fail Safe)	• Lever is locked when power is on (Free Wheeling)
	• Power off allows entry from trim
	• Inside device is always active for egress
	• Mechanical key override (09 Function – Key allows lever to retract latch bolt. Key can only be removed in locked position.)

Fail Secure

The x9905 trim is locked when power is off and unlocked when power is on.

	Function Description
x9905 (Fail Secure)	• Lever is locked when power is off (Free Wheeling)
	• Power on allows lever activation for entry
	• Inside device is always active for egress
	• Mechanical key override (09 Function – Key allows lever to retract latch bolt. Key can only be removed in locked position.)

x = Lever trim design - Standard, Vineyard™ and Muséo®

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Electrified Exit Devices

ED5000 Series

EPTL

Concealed power transfer for over 120° swing doors. Installs in door and frame edges. Supports wires up to .25" (6mm) thick, and works with doors hung with butt hinges, continuous hinges and pivots. To order, specify Part No. 704F288.



EPTL

Monitors - M91, M92, M93

Operation

Monitors are used to indicate the authorized and unauthorized use of an opening or to signal and control other opening hardware, such as magnetic locks. Each monitoring device is equipped with one internal single-pole double-throw (SPDT) switch per monitor.

Bolt Position Monitoring - M91

Provides indication of the position of the latch bolt. Used with security systems to monitor the latch bolt; also used to activate automatic door operators upon latch retraction.

Application

See chart on page 36.

Listings

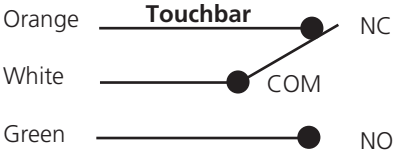
UL listed for both Panic and Fire Exit Hardware.

Electrical Specifications

5 Amps @ 28VDC SPDT contacts

Ordering

Specify Quick Code M91.



Monitoring - M92
Request to Exit - REX

Provides indication of the pushpad being depressed. Used as a request to exit to shunt alarm systems, release electromagnetic locks or monitor egress.

Application

See chart on page 36.

Listings

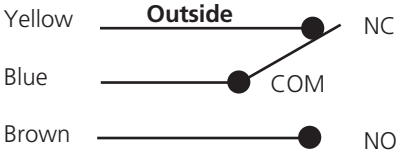
UL listed for both Panic and Fire Exit Hardware.

Electrical Specifications

4 Amps @ 250 VAC contacts

Ordering

Specify Quick Code M92.



Monitoring or Signaling - M93

Provides indication of the device being operated from the outside. Used as a request to enter signal switch to shunt alarms; also used to monitor entry.

Application

See chart on page 36.

Listings

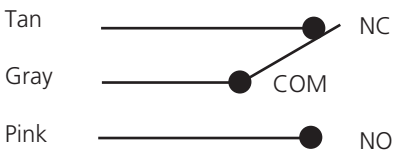
UL listed for both Panic and Fire Exit Hardware.

Electrical Specifications

5 Amps @ 28VDC SPDT contacts

Ordering

Specify Quick Code M93.



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Electrified Options & Accessories

ED5000 Series

BPS Power Supply

Operation

Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. Recommended for the SAF, SEC, M97, MELR, delayed egress exit devices and electric trim.

Features

- Individual output circuit breakers
- Regulated and filtered fuse protected outputs
- LEDs monitor zone status (voltage or no voltage)
- Slide switches connect or disconnect load from power (Not available on 1 Amp supplies)
- Internal Back-Up battery charging circuit
- Rugged steel enclosure
- Fire alarm interface

Electrical Specifications

- Inputs: 120VAC
- Outputs: 12/24 VDC @ 1 Amp, 2 Amp or 4 Amp, Filtered and regulated outputs

Listings

- UL-cUL CLASS 2
  - Signal Appliances
  - Access Control System Units
  - Special Locking Arrangements - Component
- CE

Applications

- D – Delayed Egress
- M97 – Electric Dogging
- SAF – Fail Safe mortise device trim control
- SEC – Fail Secure mortise device trim control

Note: Batteries are not included with the BPS power supply.

Model	Enclosure	Input	Output
BPS-24-1	12" (304mm) x 9" (229mm) x 4" (102mm)	120VAC	1.0 Amp @ 24 VDC
BPS-24-2	14" (356mm) x 14" (356mm) x 4" (102mm)	120VAC	2.0 Amp @ 24 VDC
BPS-24-4	15" (381mm) x 18" (457mm) x 6" (152mm)	120VAC	4.0 Amp @ 24 VDC
BPS-12-1	12" (304mm) x 9" (229mm) x 4" (102mm)	120VAC	1.0 amp @ 12 VDC
BPS-12-3	14" (356mm) x 14" (356mm) x 4" (102mm)	120VAC	3.0 amp @ 12 VDC

784 Power Supply

Features

- Provides a filtered and regulated 9 VDC remote power
- Requires raceway through the door*

Includes:

- Plug-In Wall Transformer with approximately12' (3.6m) of shielded wire that provides input power to the power supply
- Includes 12' (3.6m) of shielded wire for connection between power transfer and power supply
- To order separately, specify 793F039

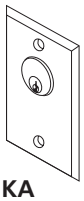
*Recommended for new opening. Retrofit application may require surface mounted wire mold and transfer loop by others.





Exit Controls and Switches

Key Switches



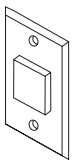
MKA

MKA - (1) SPDT Maintained
MK - (1) SPDT Momentary
MKN - (1) SPDT Momentary NS
MK2 - (1) DPDT Momentary
MKPZ x MKS - (1) SPDT Momentary with audio Double Gang x Additional Switch
Note: All key switches come standard with 12/24 VDC bi-color LED.

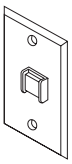
Specifications

- Keyswitch for operation using a standard 1-1/8" mortise cylinder (A02 cam) (cylinder not included).
- Contact Rating 5 Amps @ 12-24VDC
- SPDT 3-position.

Push Buttons



PB2



PB3

PB2 - (1) SPDT Momentary
PB2 - (1) DPST Remote Momentary
PB3 - (1) DPST Momentary
PB3A - (1) DPST Maintained (Alt. Action)
PB3EA - (1) DPST Alternate

Specifications

- 3 Amps @ 12-24 VDC

Audible/Visual Annunciators



PZ1

PZ1 - Sonalert 90db @ 2ft. 12-24VDC. Mounted on one gang stainless steel plate.

Digital Entry

DK-12 - Digital Keypad - 4 User
DK-26SS - Digital Keypad NS - 59 User - SS Finish
DK-26BK - Digital Keypad NS - 59 User - Black Finish

Power Transfers

TSB B-C - Door Cord

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Experience a safer and more open world

Corbin Russwin
ASSA ABLOY

Electrified Applications

ED5000 Series

Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With *ElectroLynx*, doorway components come pre-wired for easy hookup to the power source. Key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of *ElectroLynx*:

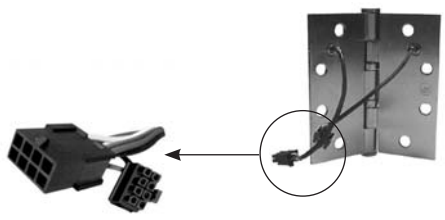
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect an electrified ED5000 series exit device to the electronic access control system, the following items are required:

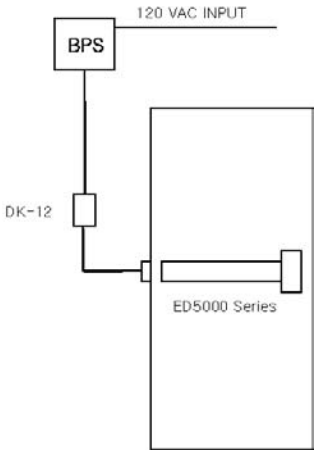
- Electrified ED5000 series exit device
- ASSA ABLOY Door Group pre-wired door, or *ElectroLynx* retrofit cable (order from McKinney)
- Electronic transfer device (*ElectroLynx* electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKinney)
- *ElectroLynx* cable from the hinge to above the ceiling (order from McKinney)

Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

The McKinney QC8 *ElectroLynx* Hinge is recommended for the 9903 function, the 9905 function and all options with the exception of M61 and M93. The McKinney QC12 *ElectroLynx* Hinge is recommended for the M61 and M93 options.



Latch Pullback - MELR Option



Components

ED5000 Series x MELR Latch Retraction Exit Device - Corbin Russwin
DK-12 Digital Keypad
Power Transfer Hinge

Operation

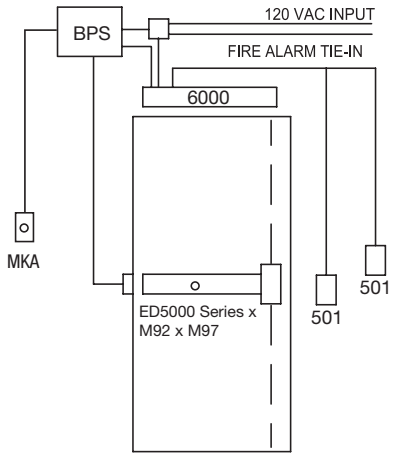
Operation of DK-12 Digital Keypad will allow keyless entry from the nonprotected side of opening. Free exit using the exit device from the protected side of the door.

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Electrified Applications

ED5000 Series

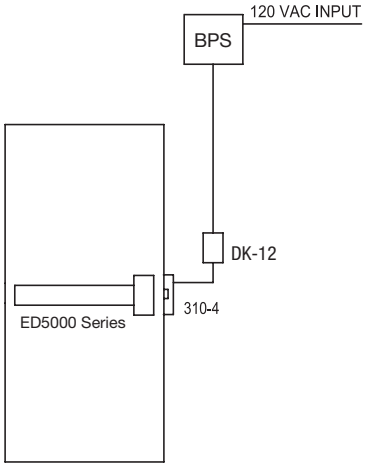
Electric Dogging & Touchbar Monitoring Switch - M97 & M92



Components
ED5000 Series x M92 x M97 with Cyl. + Bar Monitor & Elect. Dogging - Corbin Russwin
6000 Operator - *Norton*
501 Push Pads - *Norton*
Power Transfer Hinge
BPS Power Supply - Corbin Russwin
Key Switch - Corbin Russwin

Operation
Operation of Electric Dogging combined with the Door Monitor Switch will enable Push Pads for operation of the 6000. A maintained keyswitch will control the activation of the electric dogging which is powered by the Power supply. A Fire Alarm Tie-In, if required, will release the dogging and let the operator work in manual mode when activated. (NOTE: Electric Dogging is not automatic like Latch Retraction. It requires the bar to be pushed in manually the first time after applying power.)

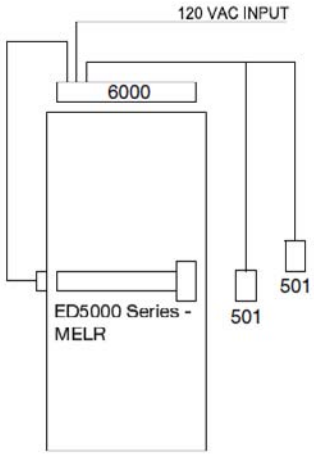
Device with Electric Strike



Components
ED5000 Series Exit Device - Corbin Russwin
Digital Keypad
310-4 Electric Strike
BPS Power Supply - Corbin Russwin

Operation
Operation of DK-12 Digital Keypad will allow keyless entry from the non-protected side of opening. Free exit using the exit device from the protected side of the door.

Latch Pullback - MELR Option with Norton® 6000 Door Operator



Components
ED5000 Series x MELR Latch Retraction Exit Device - Corbin Russwin
6000 Operator - *Norton*
501 Push Pads - *Norton*
Power Transfer Hinge
Keyswitch - Corbin Russwin

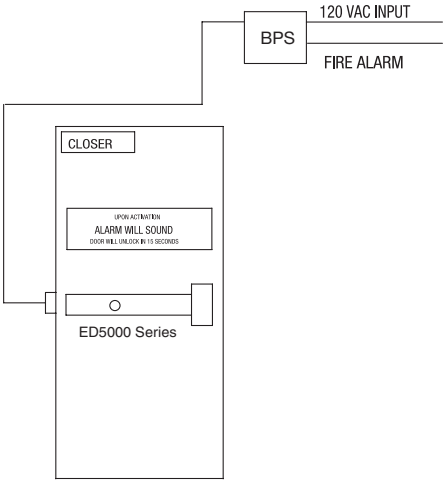
Operation
Activation and operation of Push Pads from either side of door will be controlled by the Maintained Keyswitch. The Push Pads will in turn activate Latch Retraction Exit Device. An internal timer on the 6000 will coordinate and prevent the door from being opened before latch retraction takes place. Standard timers on the 6000 will also provide length of time door is open and latch being retracted. Door operator also acts like standard closer when opened manually.

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Electrified Applications

ED5000 Series

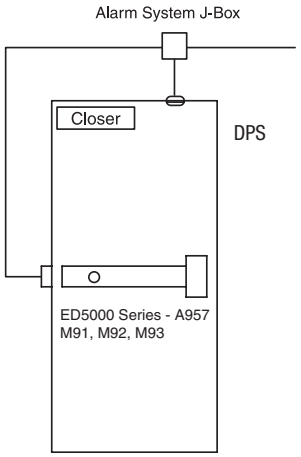
Exit Device with Delayed Egress Option on "Exit Only" Door



Components
ED5000 Series - Delayed Egress Exit Device - Corbin Russwin
Power Transfer Hinge
BPS Power Supply - Corbin Russwin
Surface Door Closer - Corbin Russwin

Operation
Operation of the ED5000 Series D Exit Device will sound an alarm and activate either a 15- or 30-second alarm sequence inside of the exit device. After this time period, the device will release the push bar, making it active, and egress is possible. When the fire alarm is activated, power to the exit device will be interrupted, allowing free egress and mechanical latching. Authorized alarm bypass and reset is done through the built-in keyswitch located in the exit device.

Exit Device - High-Security Application M91, M92 and M93 Monitoring Switch Options With Door Position Switch



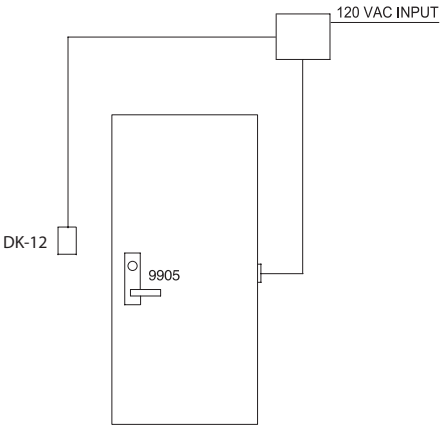
Components
ED5000 Series - A957 Nightlatch Trim - Corbin Russwin
- M91 Bolt Monitor Switch
- M92 Touchbar Monitor Switch
- M93 Trim Monitor Switch

Door Position Switch
Power Transfer Hinge
Surface Door Closer - Corbin Russwin

Operation
Operation of the ED5000 Series Exit Device with the M91, M92, M93 and a door position switch can be used together or individually to sound an alarm, shunt an alarm, monitor the door's security or as a "Request to Exit" in conjunction with a magnetic lock.

Electric Trim

Exit Device with Electrified Trim



Components
9905 Electrified Trim - Corbin Russwin
ED5000 Series Exit Device - Corbin Russwin
DK-12 Digital Keypad by Corbin Russwin
Electrified Hinge
BPS-24-1 Power Supply - Corbin Russwin

Operation
Operation of the 917 Digital Keypad will allow keyless entry from the non-protected side of the opening. When a valid code is entered into the keypad, voltage will be applied to the trim, making the lever active and allowing ingress. Free exit is allowed by using the exit device from the protected side of the door.

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Mullions and Surface Bolt Kit

ED5000 Series



Mullions

Used to install two Rim Exit Devices in a double door opening. May be quickly and easily removed when a full double door opening is temporarily required.

Materials and Finish

Steel mullions, 2" x 3" with malleable iron top and bottom retainers; furnished with zinc-plated fasteners for metal frames and concrete floors. May be cut, drilled and tapped in the field for Rim Exit Devices. Mullion and Mullion retainers are prime coat red paint.

Options

Spacer Block

Recommended for double rabbeted frames where the stop face width is less than the mounting hole spacing and also for door frames 5-3/4" (176mm) or less. To order with a mullion, specify M95. To order separately, specify Part No 744F328.

Angle Bracket

Recommended for any header configuration with less than 3" (76mm) of mounting surface. To order with a mullion, specify M96. To order separately, specify Part No 744F338.

Mullion Stabilizer Kit

Controls the movement of the mullion. Recommended for openings over 7' high, or whenever door movement must be minimized. To order with mullion, specify M57. To order separately, specify Part No. 653F11-1 x 628 (aluminum).

Surface Bolt Kit

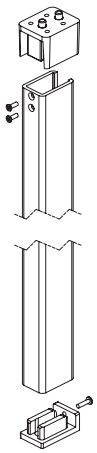
Designed for severe windload (Hurricane Code) environments where surface bolts are required (e.g., on inactive doors). To order separately, specify Part No 988CR.



How to Order

Removable Mullions

Door Height	Description	Specify Quick Code
Up to 7'0"	Steel Mullion - Panic Rated	CR907
Up to 8'0"	Steel Mullion - Panic Rated	CR908
Up to 10'0" (ED5200, ED5200S only)	Steel Mullion - Panic Rated	CR910
Up to 7'0"	Steel Mullion - 3 Hour Fire Rated	CR907A
Up to 8'0"	Steel Mullion - 3 Hour Fire Rated	CR908A
Up to 7'0"	Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	CRFE707A[1]
Up to 8'0"	Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	CRFE708A[1]



Key Removable Mullions

Door Height	Description	Specify Quick Code
Up to 7'0"	Steel Mullion - 1-1/2 Hour Fire Rated	CR907BKM[2]
Up to 8'0"	Steel Mullion - 1-1/2 Hour Fire Rated	CR908BKM[2]
Up to 10'0" (ED5200, ED5200S only)	Steel Mullion - Panic Rated	CR910KM[2]
Up to 7'0"	Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	CRWS707AKM[2]
Up to 8'0"	Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	CRWS708AKM[2]

Notes:
1. For use with UL listed door assemblies that comply to FEMA 361 and FEMA 320 guidelines. For the latest listings on compliant door assemblies visit our website at corbinrusswin.com
2. Cylinder and collars not included, specify separately. See page 54.

Parts - Key Removable Mullion

Top Retainer and Screw Packet and Bottom Retainer and Screw Packet

Mullion Series	Top Retainer and Screw Packet	Bottom Retainer and Screw Packet	Locking Mechanism Packet
CR907BKM CR908BKM CR910KM	713F948	713F988	744F258
CRWS707AKM CRWS708AKM	713F958	713F908	744F208

Parts - Removable Mullion

Top Retainer and Screw Packet and Bottom Retainer and Screw Packet

Mullion Series	Top Retainer and Screw Packet	Bottom Retainer and Screw Packet
CR907 CR908 CR910 CR907A CR908A	713F518	713F528
CRFE707A CRFE708A	713F938	713F998

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Corbin Russwin
ASSA ABLOY

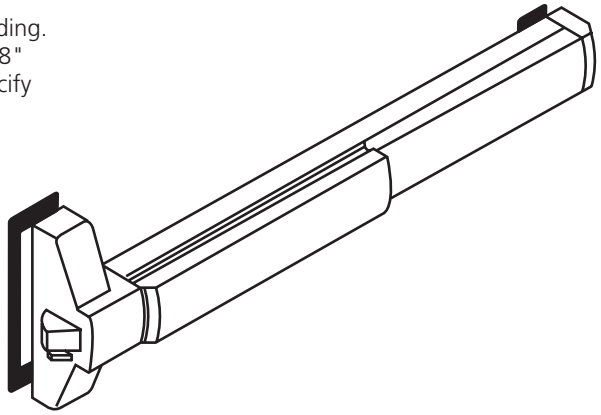
Options & Accessories

ED5000 Series

Shim Kits

Designed for mounting an exit device over raised vision light molding. Each kit contains two sets of 1/8" thick shims to shim a device 1/8" (3mm) or 1/4" (6mm). Black finish. To order with exit device, specify M58. To order separately, specify Part No.

Exit Device Type	Shim Kit Part No.
ED5200 (A) ED5200S(A) ED5600 (A) ED5800 (A) ED5860(B)	697F33-8
ED5400 (A) ED5470(B)	697F34-8

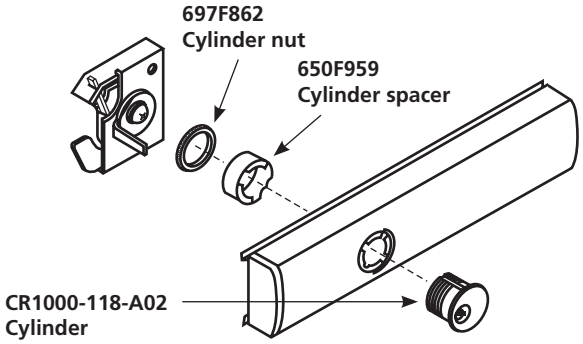


Cylinder Dogging

To order Cylinder Dogging with exit device, specify M52. Cylinder not included unless specified. Cylinder dogging not available for fire-rated devices. See Quick Codes, page 54.

Cylinder Dogging Kit

Designed to convert a panic device from hex key dogging to cylinder dogging. To order Cylinder Dogging Kit, specify Part Number x Finish below. Cylinder not included.



Bar Length	Cylinder Dogging Kit Part No.
Standard (W036)	653F12 x Finish
W048	653F14 x Finish

Note: Cylinder dogging not available for fire-rated devices.

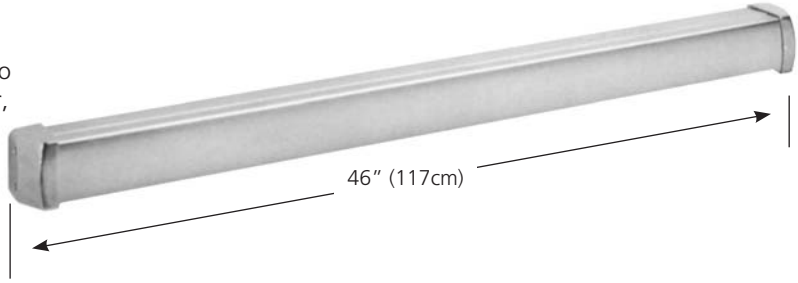
Surface and Concealed Vertical Rod Extension Kits

Used to extend the height of standard length rods supplied with vertical rod exit devices. Available in 2", 6" and 12" sizes. To order with exit device, see Quick Codes, page 54. To order separately, specify Part No. x Finish.

Rod Extension	Rod Extension Kit Part No.
2" (50mm)	655F15 x Finish
6" (152mm)	655F16 x Finish
12" (305mm)	655F17 x Finish
24" (610mm)	684F42 x Finish

ED5000DB Inactive Bar

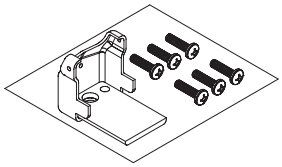
Non-operating dummy pushpad available for doors up to 48" wide. May be field cut for narrower doors. To order, specify ED5000DB x Finish.



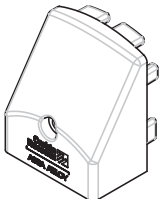
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Options & Accessories

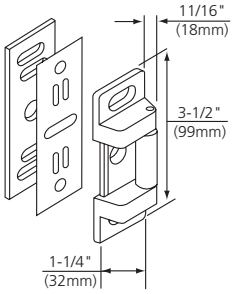
ED5000 Series



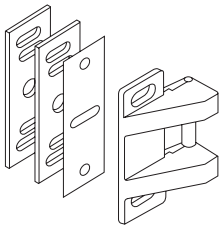
End Cap Reinforcement**
A solid steel plate, welded to the end bracket, evenly distributes impact forces over a larger surface area, eliminating point loading. To order with an exit device, specify M109. To order separately specify 705F09 x finish.



Flush End Cap
Durable heavy-duty cast steel or stainless steel, sits flush on the exit device rail and has a low profile which eliminates catch points. To order with a device, specify M110. To order separately specify 710F00M x finish.



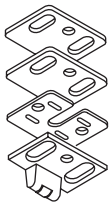
SecureBolt® and Fire-Rated Rim Strike and Rim Strike
ED5200S, ED5200SA and ED5200A devices. Supplied with locking plate and two 1/16" (1.6mm) shims. For doors with 1/2" (13mm) or 5/8" (16mm) stop. Adjustable to compensate for shrinkage and swelling of door. 3-1/2" x 1-1/4" (89mm x 32mm). Black finish only. To order separately specify 650F30-8 ED5200(A) or 730F77-8 ED5200S(A).



Rim x Vertical Rod Strike
Required for ED5200 and ED5200S devices when used on pair of doors with vertical rod devices. Black finish only. To order with device, specify S02. To order separately, specify 655F71-8.

Surface and Concealed Vertical Rod Strikes

(Screws Included)

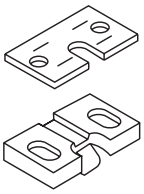


Top Strike
Standard on ED5400(A) and ED5800(A) devices. Supplied with two 1/16" (1.6mm) shims and one 1/16" (1.6mm) locking plate. Adjustable to compensate for shrinkage and swelling of door. 1-9/16" x 15/16" (40mm x 24mm). Black finish only. To order separately, specify 650F54-8.

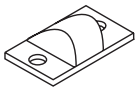


Bottom Strike
Standard on ED5400(A) and ED5800(A) devices. 1-1/16" (27mm) diameter x 1/16" (1.6mm) lip x 11/16" (17mm) high. Black finish only.

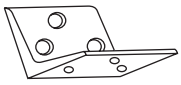
Both top and bottom strikes are included in the vertical rod parts packet. To order parts packet, specify 650F57-8.



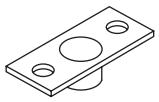
Top Strike
Standard for ED5470 and ED5470B devices. Supplied with one 1/16" (27mm) shim. Adjustable to compensate for shrinkage and swelling of door. 2" x 1" (51mm x 25mm). Black finish only. Top strike is included in SVR parts packet. To order parts packet, specify 654F158 (M55) or 697F978. To order strike separately, specify 681F70-8.



Top Strike
Standard for ED5860 and ED5860B devices. Recessed strike. 2" x 1-5/8" (51mm x 41mm). Black finish only. Top strike is included in CVR parts packet. To order parts packet, specify 698F058 or 698F048 (M55). To order separately, specify 681F77-8.



Flush Transom Top Strike Bracket
Optional for use with ED5400 and ED5400A devices. Used to mount top strike on openings with flush transom. 2-1/2" x 1-5/8" (64mm x 41mm). Black finish only. To order with exit device, specify M67. To order separately, specify 650F87-8.



Bottom Strike for 1/2" Thresholds
Recommended for use with vertical rod devices. Required in fire-rated openings with 1/2" (13mm) threshold or for flush mount. 2-5/8" x 1-1/16" (67mm x 27mm). Black finish only. To order with exit device, specify S09. To order separately, specify 650F88-8.

****Note: Six 1/4 x 20 screws come standard with either M109 option or 705F09 kit. Only two screws required to fasten end cap assembly to door for retrofit. Other four screws are used with SecureBolt® Latch Head if ordered as an M109 option with complete device. When the kit is ordered a new end cap is also supplied.**

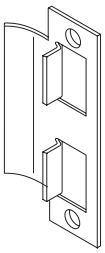
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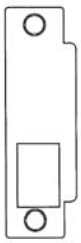
Options & Accessories

ED5000 Series

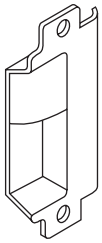
Mortise Strikes



Mortise Strike
Standard on ED5600 and ED5600A. Non-handed, ANSI curved lip, 4-7/8" x 1-1/4" x 1-1/4" (124mm x 32mm x 32mm) lip to center. Black finish. To order separately, specify 650L657020.

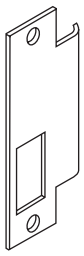


Mortise Strike for Pairs of Doors with Astragal
Optional for use with ED5600 and ED5600A devices where an astragal is to be installed. Non-handed, ANSI straight lip, 4-7/8" x 1-1/4" x 7/8" (124mm x 32mm x 22mm) lip to center. Black finish. To order with exit device, specify SS078. To order separately, specify 653L157014.

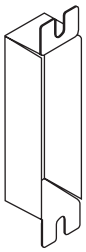


Open Back Strike
Optional for use with ED5600 x vertical rod devices on a pair of doors. Non-handed, 4-7/8" x 1-1/4" (124mm x 32mm). Black finish. To order with exit device, specify SB134 for 1-3/4" doors, SB214 for 2-1/4" doors. To order separately, specify Part No.

Door Thickness	Type	Part No.
1-3/4" (44mm)	Curved lip	653L183016
	Straight lip	653L163016
2-1/4" (57mm)	Curved lip	653L183020
	Straight lip	653L163020

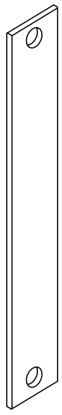


Mortise Strike
Standard on ED5600 and ED5600A devices on 2" (51mm) (D200) and 2-1/4" (57mm) (D214) thick doors. Handed ANSI curved lip, 4-7/8" x 1-1/4" x 1-1/2" (124mm x 32mm x 38mm) lip to center. Black finish. To order separately, specify 656L677024 for LHR doors, 656L687024 for RHR doors.

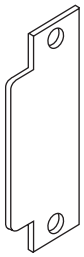


ANSI Wrought Strike Box
Optional for use with ED5600 and ED5600A devices. To order with exit device, specify M17. To order separately, specify 120F76-8.

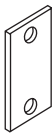
Filler Plates



Optional for use on stock metal doors when required. To order, specify 334F99-8 600.



Optional for use on stock metal doors when required. To order, specify 236L708018 x Fin.



Optional for use on stock metal doors when required. To order, specify 077F19-8 600.

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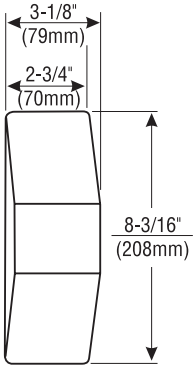
45063 7/19

Facts & Figures

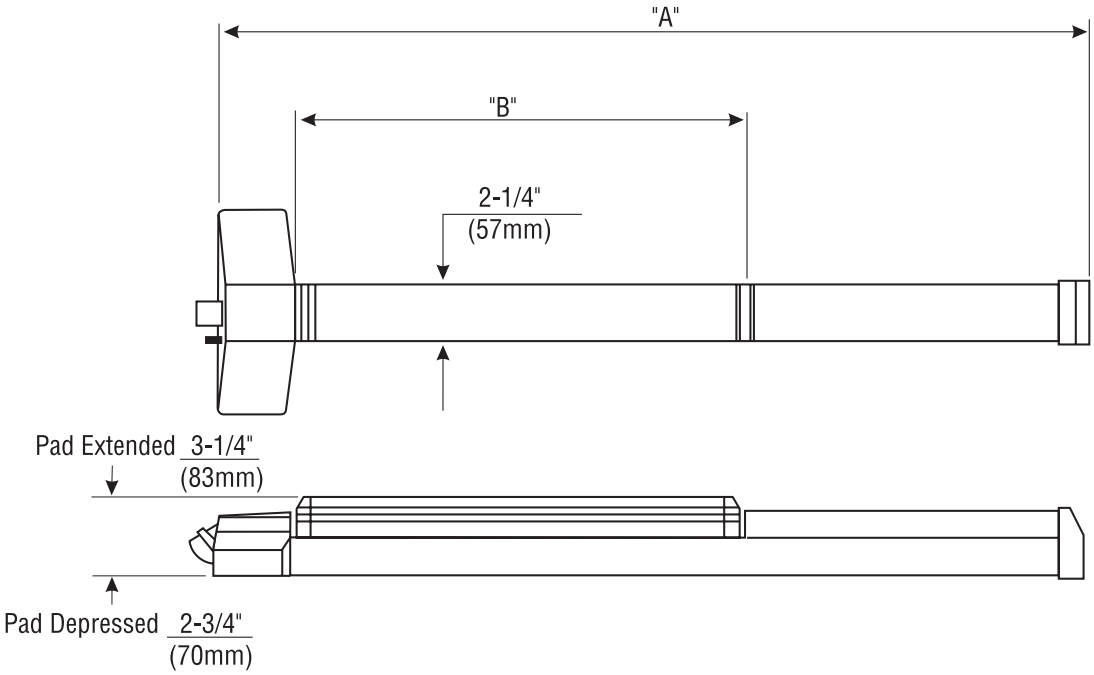
ED5000 Series

ED5000 Series
(all variables)

Series	"A"	"B"
ED5000 ED5000A	32-7/8" (835mm)	18" (457mm)
ED5000 x W048 ED5000A x W048	44-7/8" (1140mm)	24" (610mm)
ED5000 x W024 ED5000A x W024	20-7/8" (530mm)	12" (305mm)



Cover Detail



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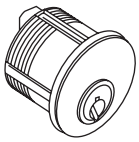
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Cylinders

ED5000 Series

CR700 Series KRM* & Cylinder Dogging

Mortise cylinders

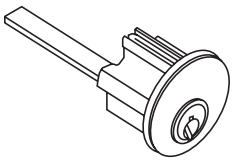


Description	Part Number	Cylinder Dogging Collars	Key Removable Mullions*	
			Part Number	Cylinder Collar
6-pin	CR1000-118-A02	N/A	CR1000-118-A02	None Required
7-pin	CR1000-114-A02-7	270F15	CR1000-114-A02-7	None Required
6-pin, IC	CR1080-114-A02	270F15	CR1080-114-A02	None Required
7-pin, IC	CR1080-112-A02-7	654F07	CR1080-112-A02-7	447F42
6-pin, IC, less core	CR1070-114-A02	270F15	CR1070-114-A02	None Required
7-pin, IC, less core	CR1070-112-A02-7	654F07	CR1070-112-A02-7	447F42
6-pin, Security	CR1010-118-A02	N/A	CR1010-118-A02	None Required
6-pin, Security IC	CR1090-114-A02	270F15	CR1090-114-A02	None Required
7-pin, Pyramid Security	CR1027-114-A02	270F15	CR1027-114-A02	None Required
7-pin, Pyramid Security IC	CR1037-114-A02	270F15	CR1037-114-A02	None Required
7-pin, Pyramid High Security	CR1020-114-A02	270F15	CR1020-114-A02	None Required
7-pin, Pyramid IC High Security	CR1030-114-A02	270F15	CR1030-114-A02	None Required

*The 700 series key removable mullion was discontinued on January 1, 2010. The cylinders and cylinder rings are listed for reference only.

CR900 Series Trim

Rim cylinders

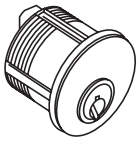


Description	Part Number	Cylinder Collar	57 Function Part Number	Cylinder Collar**
6-pin	CR3000-058	None Required	CR3000-200N*	None Required
7-pin	CR3000-058-7	422F88	CR3000-200-7	422F88
6-pin, IC	CR3080-058	422F88	CR3080-178	422F88
7-pin, IC	CR3080-058-7	686F98	CR3080-178-7	686F98
6-pin, IC, less core	CR3070-058	422F88	CR3070-178	422F88
7-pin, IC, less core	CR3070-058-7	686F98	CR3070-178-7	686F98
6-pin, Security	CR3010-058	None Required	CR3010-200	422F88
6-pin, Security IC	CR3090-058	422F88	CR3090-178	422F88
7-pin, Pyramid	CR3020-058	422F88	CR3020-200N	422F88
7-pin, Pyramid IC	CR3030-058	422F88	CR3030-178	422F88
7-pin, Pyramid Security	CR3027-058	422F88	CR3027-200N	422F88
7-pin, Pyramid Security	CR3037-058	422F88	CR3037-178	422F88

*For K157, substitute -200
**K157 uses the 270F15 cylinder ring

CR900 Series KRM

Mortise cylinders



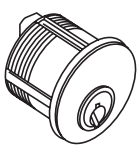
CR900 Series KRM
Mortise cylinders

Description	Part Number	Quick Code	900 Series Cylinder Collar			WS700 Series Cylinder Collar		
			1-1/8"	1-1/4" or 1-1/4" IC	1-1/2" IC	1-1/8"	1-1/4" or 1-1/4" IC	1-1/2" IC
6-Pin	CR1000-118-A62	6P	610F01*	447F43*	609F37*	447F42*	610F01*	609F36*
7-Pin	CR1000-114-A62-7	7P						
6-Pin, IC	CR1080-114-A62	C6						
7-Pin, IC	CR1080-112-A62-7	C7						
7-pin, Pyramid High Security	CR1020-114-A62	PHS						
7-pin, Pyramid Security	CR1027-114-A62	PS						
7-pin, Pyramid High Security IC	CR1030-114-A62	PCHS						
7-pin, Pyramid Security IC	CR1037-114-A62	PCS						
Security	CR1010-118-A62	HS						
Security IC	CR1090-114-A62	CHS						
6-pin, IC, less core	CR1070-114-A62	CL6						
7-pin, IC, less core	CR1070-112-A62-7	CL7						

*Specify Finish

CR900 Series Mortise Trim

Mortise cylinders



Description	Part Number	Cylinder Collar
6-pin	CR1000-134-A02	598F89
7-pin	CR1000-134-A02-7	598F89
6-pin, IC	CR1080-134-A02	598F89
7-pin, IC	CR1080-134-A02-7	598F89
6-pin, IC, less core	CR1070-134-A02	598F89
7-pin, IC, less core	CR1070-134-A02-7	598F89
6-pin, Security	CR1010-134-A02	598F89
6-pin, Security IC	CR1090-134-A02	598F89
7-pin, Pyramid IC High Security	CR1030-134-A02	598F89
7-pin, Pyramid Security IC	CR1037-134-A02	598F89

Experience a safer and more open world

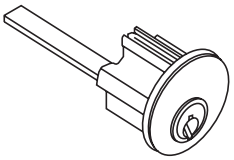
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Cylinders

ED5000 Series

Inside Cylinder For ED5602 Double Cylinder Exit Device

Rim cylinders

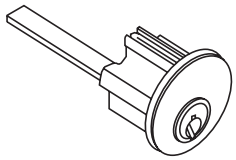


ED5602 Double Cylinder Exit Device
Rim cylinders

Description	Part Number	Cylinder Collar
6-pin	CR3000-200	270F15
7-pin	CR3000-200-7	654F07
6-pin, IC	CR3080-178	654F07
7-pin, IC	CR3080-178-7	654F08
6-pin, IC, less core	CR3070-178	654F07
7-pin, IC, less core	CR3070-178-7	654F08
6-pin, Security	CR3010-200	654F07
6-pin, Security IC	CR3090-178	654F07
7-pin, Pyramid	CR3020-200	654F07
7-pin, Pyramid IC	CR3030-178	654F07
7-pin, Pyramid Security	CR3027-200	654F07
7-pin, Pyramid Security	CR3037-178	654F07

ED5202 Double Cylinder Exit Device

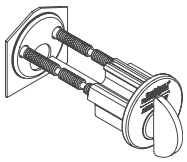
Rim cylinders



ED5202 Double Cylinder Exit Device
Rim cylinders

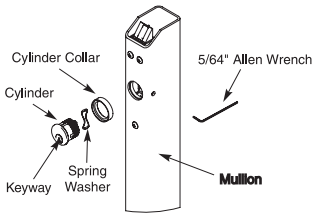
Description	Part Number	Cylinder Collar
6-pin	CR3000-138	270F15
7-pin	CR3000-138-7	654F07
6-pin, IC	CR3080-114	654F07
7-pin, IC	CR3080-114-7	654F08
6-pin, IC, less core	CR3070-114	654F07
7-pin, IC, less core	CR3070-114-7	654F08
6-pin, Security	CR3010-138	654F07
6-pin, Security IC	CR3090-114	654F07
7-pin, Pyramid	CR3020-138	654F07
7-pin, Pyramid IC	CR3030-114	654F07
7-pin, Pyramid Security	CR3027-138	654F07
7-pin, Pyramid Security	CR3037-114	654F07

Rim Thumbturn



Description	Part Number
Rim Thumbturn - 1-3/8"	CR3300 -138
Rim Thumbturn - 1-3/8" - Ergonomic	CR3300-138-M34
Rim Thumbturn - 2"	CR3300-200
Rim Thumbturn - 2" - Ergonomic	CR3300-200-M34

CR900 Series KRM Cylinder Collar Packet



Mullion Series	Cylinder Length and Type			
	1-1/8"	1-1/4"	1-1/4" IC	1-1/2" IC
CRWS707AKM CRWS708AKM	447F42*	610F01*		609F36*
CR907BKM CR908BKM CR910KM	610F01*	447F43*		609F37*

Note: Cylinder collar packets contain a collar and spring washer.
****Specify finish when ordering packets.***

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Quick Codes

ED5000 Series

Cylinder and Keying

Description	Specify
Less cylinder(s)	(standard)
Conventional 6-pin	6P
Conventional 7-pin	7P
Security	HS
Security interchangeable core (IC)	CHS
IC 6-pin	C6
IC 6-pin with temporary construction core (Red)	CT6R
IC 6-pin with temporary construction core (Blue)	CT6B
IC 6-pin with temporary construction core (Green)	CT6G
IC 6-pin with temporary construction core	CT6
IC 6-Pin with temporary disposable core	CT6D
IC 6-pin less core	CL6
SFIC 6-pin with less core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin (rim only)	C7
IC 7-pin with temporary construction core (Red)	CT7R
IC 7-pin with temporary construction core (Blue)	CT7B
IC 7-pin with temporary construction core (Green)	CT7G
IC 7-pin with temporary construction core	CT7
IC 7-Pin with temporary disposable core	CT7D
IC 7-pin less core (rim only)	CL7
SFIC 7-pin with less core	CLS7
SFIC 7-pin with SFIC disposable temporary core$_3$	CT7SD
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
UL IC 6-Pin Housing Less Core	CL6AH
UL IC 6-Pin Housing with Disposable Core	CTAHD
UL IC 6-Pin Housing with (Red/Blue/Green) Temporary Construction Core	CT6AH(R/B/G)
Pyramid Security fixed core	PS
Pyramid Security IC	PCS
Pyramid Fixed Core	PHS
Pyramid IC	PCHS
Pyramid with temporary construction core	CTP

Cylinder and Keying (cont)

Description	Specify
Pyramid less core	CLP
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
No keying data stamped on key or cylinder	VKC0
Keys only	VKC1
Cylinders and keys (not for HS or CHS)	VKC2
Cylinders only (not for HS or CHS)	VKC3
Concealed key control (CKC)	
CKC cylinders with VKC keys	CKC2
CKC cylinders only	CKC3
2 keys per cylinder	(standard with cylinder)
Other than 2 keys	KY# (e.g., KY6)

Strikes

Description	Specify
Rim x vertical rod on pairs of doors	S02
Surface and concealed vertical rod Bottom strike for 1/2" thresholds or flush mount	S09
Mortise ANSI strike for pairs of doors with astragal	SS078
Open back strike for 1-3/4" doors	SB134
Open back strike for 2-1/4" doors	SB214

Door Height

Door Height	Specify
ED5400(A) and ED5470(B) devices	
7'0"	(standard)
7'2"	H0702
7'6"	H0706
8'0"	H0800
ED5800(A) devices	
8'0"	(standard)
ED5470(B), ED5860(B) devices only	
9'0"	H0900
10'0"	H1000

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Quick Codes

ED5000 Series

Door Width

Door Width	Specify
24" (610mm)	W024
36" (914mm)	(standard)
48" (1219mm)	W048

Door Thickness

Door	Specify
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

Finish

Description		Specify
US3	Bright Brass	605
US4	Satin Brass	606
US9	Bright Bronze	611
US10	Satin Bronze	612
US10B	Dark Oxidized Satin Bronze, oil rubbed	613
10BE	Dark Oxidized Satin Bronze Equivalent	613E
US14	Bright Nickel Plated	618
US15	Satin Nickel Plated	619
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626* (Trim only)
	Satin Chromium Plated with MicroShield®	626C
US32	Bright Stainless Steel	629
US32D	Stain Stainless Steel	630
	Stain Stainless Steel with MicroShield®	630C
—	Black oxidized bronze,oil rubbed	722
—	Black Suede Powder Coat	BSP
—	White Suede Powder Coat	WSP

***Contact factory for devices required in BHMA 626**

Handing

Hand	Specify
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Miscellaneous Options

Description	Specify
Torx® head screws	M04
ANSI wrought strike box (mortise)	M17
Knurling outside and inside (embossed touchbar - device side)[1]	M20
Knurling outside only (trim side)[1]	M21
Knurling inside only (embossed touchbar - device side)	M22
Abrasive coat outside and inside (trim and device)	M23
Abrasive coat inside only (device side)	M24
Abrasive coat outside only (trim side)	M25
24", 36" and 48" PathLite™ Photoluminescent Touchbar Cover	M49
Less dogging	M51
Cylinder dogging	M52
Sex nuts and bolts (SNBs)	M54
Less bottom vertical rod (ED5470(B)/ED5860(B) Only)	M55
Narrow Stile Cover	M56
Mullion stabilizer	M57
Shim kit (for vision light)	M58
Parabolic escutcheon	M60
Wood screws for use on fire-rated solid wood or wood core doors	M64
Flush transom top strike bracket (ED5400 and ED5400A only)	M67
Door frame filler block for double rabetted frames	M95
Door frame angle bracket for aluminum frames	M96
Windstorm Certified products for ED5200S(A) and ED5470(B) Only[2, 3, 4, 5]	M107
High Impact End Clamp	M109
Flush End Cap	M110
5LB pressure release (ED5200 only)	5CH

Notes:
1. Not available with VT9, VTL9, VT9M and VTL9M trim.
2. ED5200S(A) x M107 requires through bolts.
3. ED5470(B) maximum opening height is 8'0".
4. Contact Ceco, Curries® or Fleming for detailed frame/door requirements and limitations.
5. Not available with electric dogging (M97).

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Quick Codes

ED5000 Series

Key Removable Mullions

Description	Specify
Up to 7'0" Steel Mullion - 1-1/2 Hour Fire Rated	CR907BKM[1]
Up to 8'0" Steel Mullion - 1-1/2 Hour Fire Rated	CR908BKM[1]
Up to 10'0" (ED5200, ED5200S only) Steel Mullion - Panic Rated	CR910KM[1]
Up to 7'0" Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	CRWS707AKM[1]
Up to 8'0" Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	CRWS708AKM[1]

Note:
1. For use with UL listed door assemblies that comply to FEMA 361 and FEMA 320 guidelines. For the latest listings on compliant door assemblies visit our website at corbinrusswin.com

Removable Mullions

Description	Specify
Up to 7'0" Steel Mullion - Panic Rated	CR907
Up to 8'0" Steel Mullion - Panic Rated	CR908
Up to 10'0" (ED5200, ED5200S only) Steel Mullion - Panic Rated	CR910
Up to 7'0" Steel Mullion - 3 Hour Fire Rated	CR907A
Up to 8'0" Steel Mullion - 3 Hour Fire Rated	CR908A
Up to 7'0" Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	CRFE707A[1]
Up to 8'0" Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	CRFE708A[1]

Note:
1. Cylinder and collars not included, specify separately. See page 54.

Electrified Options for Exit Devices

Description	Specify
Motorized Electric Latch Retraction	MELR
Exit Alarm Device (cylinder not included)	M61
Bolt Position Monitoring	M91
Request to Exit/Touchbar Monitoring or Signaling	M92
Outside Trim Monitoring or Signaling	M93
Electric Dogging	M97
Mortise Device Lock with Outside Trim Control (Fail Safe)	SAF*
Mortise Device Lock with Outside Trim Control (Fail Secure)	SEC*
Delayed Egress (15 second delay standard)	D
30 second delay (may be accepted by local jurisdiction) (with "D" option only)	M88
BOCA 15-second delay (with "D" option only)	M89
BOCA 30-second delay (with "D" option only)	M90
Security Monitor	M98^
Trim Gasket	M99

*Only available with ED5600L and 5600(A)L
^9903/9905 trims only.

Electrified Accessories

Description	Part Number
Controller (Required for Electric Latch Pullback(M94))	782
Power supply 1.0 Amp @ 12 VDC output	BPS-12-1
Power supply 3.0 Amp @ 12 VDC output	BPS-12-3
Power Supply 1 Amp @ 24 VDC Output	BPS-24-1
Power Supply 2 Amp @ 24 VDC Output	BPS-24-2
Power Supply 4 Amp @ 24 VDC Output	BPS-24-4
SPDT Maintained Switch	MKA
SPDT Momentary Switch	MK
SPDT Momentary NS Switch	MKN
DPDT Momentary Switch	MK2
DPST Maintained (Al. Action) Switch	PB3EA
Sonalert 90lbs. @ 2 ft. 12-24VDC mounted on one gang stainless steel plate	PZ1
Alarm Kit (cylinder is not included)*	ED50AK
Concealed transfer for over 120° swing doors	EPTL

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How to Order

ED5000 Series

Ordering Examples

Exit Device Only*

Quantity	Series/ Function	Finish	Hand	Misc. Options
65	ED5200S	626	RHR	M51

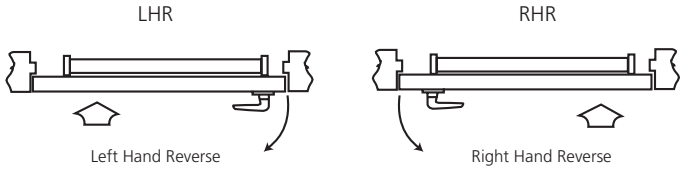
*To order mortise exit device only, see Mortise Exit Only below.

Where to find ordering information and Quick Codes

Functions and Trims
Rim and
Vertical Rod ..... Pg 20
Mortise ..... Pg 30
Cylinders and Keying.. Pg 55
Door Height..... Pg 55
Door Width..... Pg 55
Strike ..... Pg 55
Finish ..... Pg 56
Door Thickness..... Pg 56
Handing..... Pg 56
Miscellaneous
Options..... Pg 56
Removable Mullion .... Pg 57

Trim Only

Quantity	Trim/ Function	Finish	Hand	Door Thickness
24	N955ET	625	RHR	D214



Note: Arrow (⌂) indicates secure side of door.

Exit Device with Trim

Quantity	Exit Device	Trim/ Function	Finish	Hand	Door Thickness	Optional Strike	Door Width	Misc. Options
65	ED5600L	N9M55ET	605	LHR	D214	SB214	W048	M51-M54

Contract/Detailed Order – Surface Vertical Rod Exit Device with Trim

Quantity	Keyset	Exit Device	Trim/ Function	Finish	Hand	Door Height	Door Width	Misc. Options	Cylinder Option
36	AA1	ED5470	C955ET	626	LHR	H1000	W048	M52-M54	7P

Mortise Exit Only

Trim Type	Functions	Panic	Fire
Knob	Passage	ED5600K	ED5600AK
	Classroom		
	Nightlatch	ED5657K	ED5657AK
	Dummy		
Lever or Flat Plate	Passage	ED5600L	ED5600AL
	Classroom		
	Double Cylinder (Classroom function lever Trim only)	ED5602L	ED5602AL
	Nightlatch	ED5657L	ED5657AL
Thumbpiece	Dummy	ED5600T	ED5600AT
	Passage		
	Classroom		
	Nightlatch	ED5657T	ED5657AT
	Dummy		

Removable Mullion

Quantity	Mullion	Misc. Options
6	CR908A	M96

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How to Order the Muséo® Piet Levers

ED5000 Series

Muséo® Piet Lever Collection Trim and Finish Options



Grooved Insert 21G



Leather Insert 21L



Polished with Satin Insert 21M



Santoprene™ Insert 21S



With Raised Band 23M



Plain 25M



Plain with Two Grooves 27M

Piet Finish Codes

BHMA Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
N/A	BH	Wood insert
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	292929 or 303030
21L	Leather Insert	29BK29, 29BN29 or 30BK30, 30BN30
21M	Metallic Insert	293029** only
21S	Santoprene Insert	29BK29 or 30BK30
23M	Raised Band	290029, 300030 or 290030**
25M	Plain	290029 or 300030
27M	Two Grooves	290029 or 300030

**Two-tone finish - grip of lever is 630, balance of lever is 629. Escutcheon finish will be 618.

Ordering Examples

Trim Only

Quantity	Trim/Function	Lever Finish	Hand
2	21M910	293029	RHR

In this example the escutcheon finish will be supplied in 618.

Exit Device with Trim

Quantity	Exit Device	Trim/Function	Lever Finish	Exit Bar Finish	Hand	Cylinder Option	Door Thickness	Optional Strike	Door Width
2	ED5600A	21G9M10	303030	630	LHR	6P	D200	SB214	W048

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Helpful Terms

ED5000 Series

Abrasive Coat
Hard granular material applied to provide a non-slip tactile surface for the visually impaired.

Active Door
In a pair of doors, the door that is operable from the trim side.

Astragal
A vertical member applied to one or both sides of a pair of doors at the meeting edges. The astragal closes the gap between the two doors.

Coordinator
A device used on a pair of doors to ensure that the inactive door closes before the active door.

Deadlocking Latch
A supplemental latch that automatically deadlocks the latchbolt when pressure is applied to it.

Dogging
A mechanism that allows the latchbolt to remain retracted, permitting the door to operate as if it were a push-pull; it cannot be used on fire-rated exit devices.

Double Egress
A pair of doors of the same hand that swing in opposite directions, commonly found in corridors.

Dummy Trim
Trim only. Usually used on the inactive door of a pair of doors for design balance.

Exit Device (Panic Hardware)
A door locking device with a pushpad or crossbar which, when pressed, allows instant exit (egress).

Fire Exit Hardware
An exit device listed by an independent testing laboratory as meeting panic, fire and hose stream test standards; used on fire-rated openings.

Hand
The direction a door swings.

Inactive Door
In a pair of doors, the door that is inoperable from the trim side.

Latchbolt
A lock component that has a beveled end and projects into a strike, holding the door in a closed position.

Mullion
A fixed or removable vertical member that divides a door opening and provides a latch surface for a pair of rim exit devices.

Open Back Strike
For mortise exit devices, used on the inactive door (usually the vertical rod door) of a pair of doors that swing in the same direction. It permits the inactive door to open or close independently.

Reversible
Pertains to a product that may be changed in the field to accommodate any hand of the door.

Shim Kit
Pieces of metal that permit mounting of an exit device on a door that has a surface projecting vision light (glass bead) molding.

Split Astragal
An astragal that is split through the middle on a pair of doors, allowing both doors to operate independently.

Threshold
A strip fastened to the floor beneath a door. It serves as a stop, prevents heat loss, and provides a strike location for latching the bottom rod of a vertical rod exit device.

Trim
A knob, lever, pull, or thumbpiece used on the outside of an exit device door to control access to an area.

Universal Exit Device
An exit device that may be used on doors of either hand without any modifications.

Keying and Cylinder Terms

Concealed Key Control (CKC)
The marking of standard key symbols on a cylinder in a location that is not visible once the cylinder is installed.

Construction Master Keying (CMK)
A cylinder preparation that allows temporary access by construction personnel.

Control Key
A key used to remove and install interchangeable cores.

Cylinder
A lock component containing the combination that determines which keys will operate.

Security Cylinder
A cylinder which provides extra resistance to picking and unauthorized duplication of keys.

Interchangeable Core (IC)
A cylinder which can be removed and installed quickly with a control key by non-skilled personnel when rekeying is required.

Key Symbol
A letter/number combination in standard industry format (e.g., 1AA, AA1, etc.) which indicates exactly how a key or cylinder fits into a keying system.

Keyway
The opening in a cylinder plug through which the key enters.

Master Keying
Preparation of a cylinder to operate with keys of different levels of access.

Visual Key Control (VKC)
The marking of standard key symbols on keys and on the visible portion of the front of a cylinder.

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How to Specify

ED5000 Series

Suggested Specification for Panic and Fire-Rated Exit Devices

Exit devices shall be ED5000 Series Pushpad Exit Devices as manufactured by Corbin Russwin Architectural Hardware.

The exit device chassis shall be cold forged steel, electroplated for corrosion resistance, and shall be architecturally finished brass, bronze or stainless steel. The pushpad mechanism shall be constructed of extruded aluminum and shall be scalped with architecturally finished brass, bronze or stainless steel. The maximum projection shall be 3-1/4" when the pushpad is active and 2-3/4" when the pushpad is dogged down. Nylon bearings and stainless steel springs shall be used for long life and durability; only torsion springs are acceptable. Rear and active case covers shall be wrought brass or bronze and shall be plated to match the exit bar. Plastic or painted covers are not acceptable. Latchbolts shall be steel and shall incorporate a deadlocking latch for increased security. Devices without deadlocking latches are not acceptable. Mounting screws shall be concealed to deter tampering. Devices shall be closed on all sides with no pinch points. All exit devices shall be easily field sized to accommodate various door widths.

Panic-listed exit devices shall have single-point, one quarter turn hex key dogging standard. Optional cylinder dogging shall be available on panic listed devices only. Devices with hex key dogging shall be easily field converted to cylinder dogging. Panic-listed devices shall be available less dogging.

Trims shall be through-bolted with concealed fasteners. Escutcheon and pull type trims shall be constructed of brass or bronze. All lever trims shall use cast or forged levers. On trims with cylinders, the mechanism that locks and unlocks the trim shall be housed in the trim and not in the active case of the exit device. Rim and vertical rod lever trims shall be Free Wheeling with clutch mechanism allowing lever to rotate 60° when locked to prevent vandalism. Lever trims shall match those on Corbin Russwin Mortise and Cylindrical Locksets.

Exit devices and trims shall be furnished in BHMA standard architectural finishes.

Exit devices shall be listed by Underwriters Laboratories (UL) for safety as panic hardware. Fire-rated devices shall be listed for A label and lesser class doors.

Certification:
ANSI A156.3, Grade 1

Devices, trims and cylinders shall be from one manufacturer.

Devices and 900 series trim shall carry a five-year limited warranty.

Electronic components shall carry a two-year limited warranty / Motorized electric latch retraction (MELR) shall carry a 5 year warranty.

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How to Specify

ED5000 Series

Suggested Specification for Delayed Egress Exit Devices

Delayed egress exit devices shall be ED4000/ED5000 series (rim, SecureBolt®, mortise or concealed vertical rod) with the "D" suffix, manufactured by Corbin Russwin Architectural Hardware.

The delayed egress exit device secures the door in the locked mode. Depressing the pushpad for less than three seconds will sound the device nuisance beep without initiating the alarm. Depressing the pushpad longer than three seconds will initiate an irreversible local audible beeping tone and allow the device to release for egress after 15 seconds (or 30 seconds may be accepted by local jurisdiction) and sound the alarm. The alarm will continue until reset by the mechanical key switch located on the device.

Devices shall be 24 volts DC.

The exit device chassis shall be cold forged steel, electroplated for corrosion resistance, and shall be architecturally finished brass, bronze or stainless steel. The pushpad mechanism shall be constructed of extruded aluminum and shall be scalped with architecturally finished brass, bronze or stainless steel. The maximum projection shall be 3-1/4" when the push pad is active and 2-3/4" when the push pad is depressed. Nylon bearings and steel springs shall be used for long life and durability. Active case and alarm end cover shall be wrought brass, bronze or stainless steel and shall be plated to match the exit bar. Painted or plastic covers or end caps are not acceptable. Latch bolts shall be steel and shall incorporate a deadlocking latch for increased security. Devices without deadlocking latches are not acceptable. Mounting screws shall be concealed to deter tampering. Devices shall be closed on all sides with no pinch points. Device active cover and end cap attaching screws shall be security Torx® pin.

Trims shall be through-bolted with concealed fasteners. Escutcheon and pull-type trims shall be constructed of brass, bronze or stainless steel. All lever trims shall use cast or forged levers. On trims with cylinders, the mechanism that locks and unlocks the trim shall be housed in the trim and not in the active head of the Exit Device. Rim and vertical rod lever trims shall be Free Wheeling with clutch mechanism allowing lever to rotate 60° when locked to prevent vandalism. Lever trims shall match those on Corbin Russwin mortise and cylindrical locksets.

Devices shall be listed by UL/cUL as Controlled Exit Panic Devices or Special Locking Arrangement and meet all requirements for NFPA 101.

Certification:
ANSI 156.3, Grade 1/ANSI 156.24
UL/cUL FUKD/FUKD7 - Controlled Panic Device
UL/cUL FWAX/FWAX7 - Special Locking Arrangements

Exit devices, trims and cylinders must be from one manufacturer.

Exit devices and heavy-duty trims shall have a five-year warranty. Electronics shall have a two-year warranty / Motorized electric latch retraction (MELR) shall carry a 5 year warranty.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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For additional information, contact your ASSA ABLOY Door Security Solutions sales consultant or visit **www.corbinrusswin.com.**

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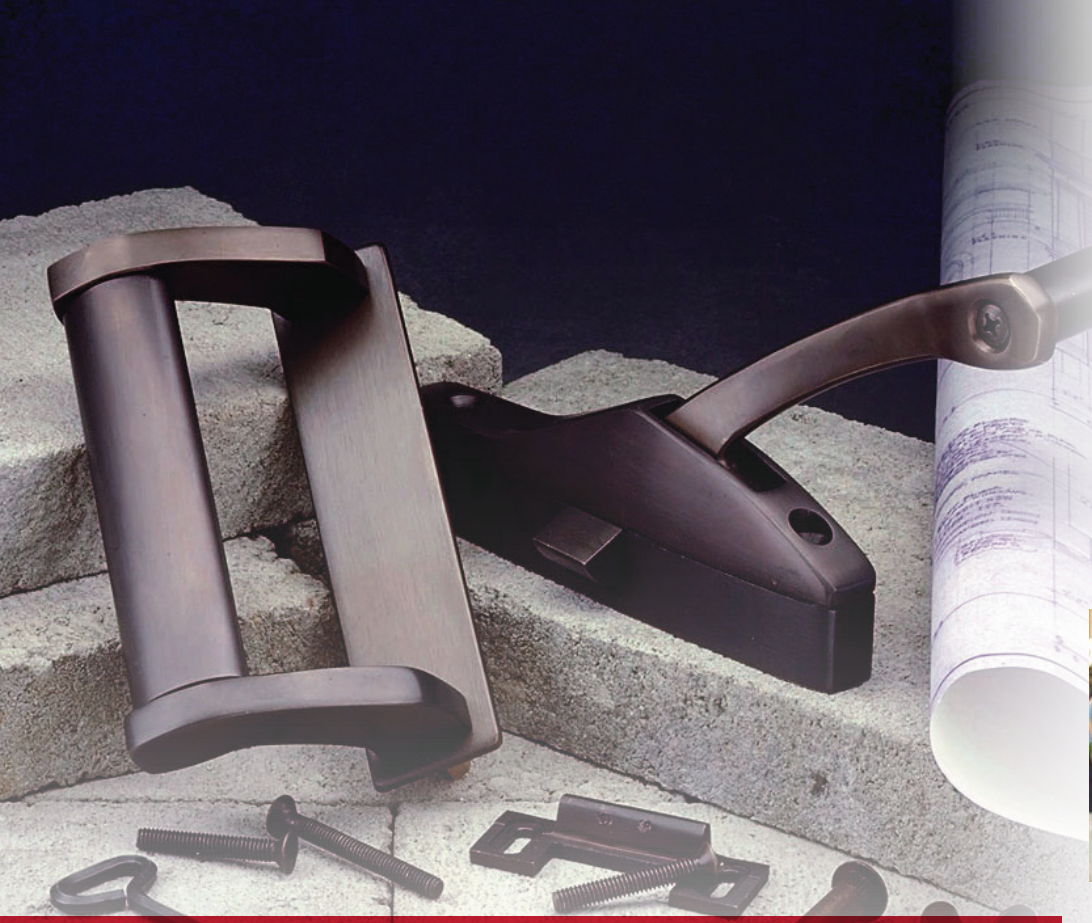
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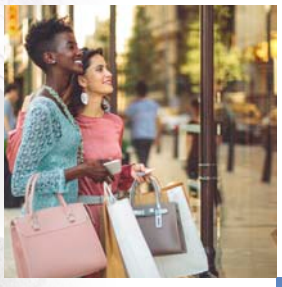
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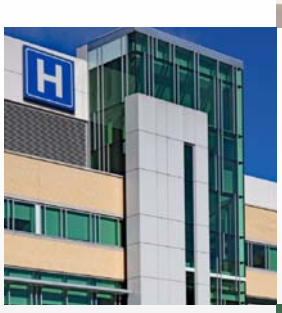
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ED7000 Series

Product Catalog

Experience a safer
and more open world

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Applications

ED7000 Series



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www.corbinrusswin.com

Narrow Stile Crossbar Exit Devices ED7000 Series

Applications

Since patenting some of the first exit devices nearly a century ago, Corbin Russwin has met rigorous life safety and security requirements, while offering pleasing aesthetics and trouble-free operation. ED7000 Series Crossbar Exit Devices are designed for high-use, high-abuse applications on narrow and regular stile doors in new construction and renovations including:

- Schools and universities
- Health care
- Government
- Commercial and industrial
- Office and retail
- Transportation and utilities
- Hotels and conference centers
- Religious

Advantages

- Heavy-duty construction
- Base metals (brass, bronze and stainless steel) for durability
- Easy-to-use crossbar operation assures quick egress and ADA compliance
- Dogging standard on all panic listed devices
- Through-bolted trims for strength and security
- Wide range of trim styles and finishes to match other Corbin Russwin products
- Devices available to satisfy panic and fire opening requirements

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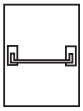
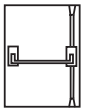
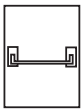
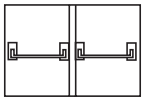
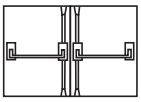
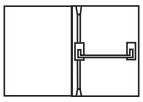
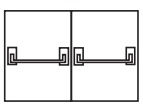
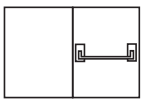
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Applications and Listings

ED7000 Series

UL Listed by Underwriters Laboratories, Inc., as fire exit hardware

Single Door	Max. Door Opening	Fire Door Ratings					Application	
		A	B, D	C, E				
		3 Hr.	1-1/2 Hr.	3/4 Hr.	1/2 Hr.	1/3 Hr.		
Rim ED7200	None	Devices are panic listed only.					Surface applied; single point latching	
Vertical Rod ED7400	4' x 10'	Devices are panic listed only.					Surface applied; two point latching	
Concealed Vertical Rod ED7800	4' x 10'8"	Devices are panic listed only.					Rods concealed in door; two point latching	
ED7800A	4' x 7'2"	UL	UL	UL	UL	UL		
Pair of Doors with Removable Mullion								
ED7200 x ED7200 x CR907A	8' x 7'2"	Devices are panic listed only.					2 independent, active doors with removable mullion	
ED7200 x ED7200 x CR910	8' x 10'	Devices are panic listed only.						
Pair of Doors								
Vertical Rod (Swinging in the same direction) ED7400 x ED7400	8' x 10'	Devices are panic listed only.					2 independent doors with 2 point latching — do not use overlapping astragal	
Vertical Rod (Swinging in Opposite Directions) ED7400 x ED7400	8' x 10'	Devices are panic listed only.					2 independent doors with 2 point latching	
Concealed Vertical Rod (Swinging in same direction) ED7800 x ED7800	8' x 10'8"	Devices are panic listed only.					2 independent doors with 2 point latching — do not use overlapping astragal.	
ED7800A x ED7800A	8' x 7'2"	—	UL	UL	UL	UL		
Concealed Vertical Rod (Swinging in opposite directions) ED7800 x ED7800	8' x 10'8"	—	Devices are panic listed only.				2 independent doors with 2 point latching — overlapping astragal required for 3 hour openings	
ED7800A x ED7800A	8' x 7'2"	—	UL	UL	UL	UL		

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Corbin Russwin
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Rim Exit Features

ED7000 Series

ED7200 Panic Listed Rim Exit Device

Features

Handing
Field reversible; specify hand.

Bar Length
Easily field cut to size.
Standard 36" (914mm) bar fits doors up to 36" (914mm).
Optional 48" (1219mm) bar fits doors up to 48" (1219mm) doors; see How to Order page 20.

Door Thickness
Standard: 1-3/4" (44mm).
Optional: 2" (51mm) and 2-1/4" (57mm); see How to Order, page 20.

Backset
1-3/4" (44mm) with standard strike and 1/2" (13mm) stop. (Backset changes when mullion is used).

Stile
Minimum width 2-1/2" (64mm) with standard strike and 1/2" (13mm) stop.

Projection
4-7/8" (124mm); 3-1/8" (79mm) depressed.

Latchbolt
5/8" (16mm) throw pivoted.

Latch Hold-Back
Standard: latch remains in hold-back position by full rotation of key outside.
Optional: less latch hold-back; see How to Order, page 19.

Materials
Brass, bronze or stainless steel.

Cases
Heavy cast, 7-1/2" (191mm) x 1-1/4" (32mm).

Crossbar
Standard: 13/16" (21mm) x 1-3/8" (35mm) oval seamless tubing.
Optional: reinforced crossbar and stainless steel crossbar; see How to Order, page 19.

Dogging
Standard on ED7200 devices.
Optional: less dogging; see How to Order, page 19.

Fasteners
Standard: machine screws.
Optional: sex nuts and bolts or spanner head screws; see How to Order, page 19.

Strike
See Options and Accessories, page 15.

Removable Mullion
See Mullions, page 7.

Trims and Functions
Through-bolted pull trims available; see Trims and Functions, page 6.

Cylinders
Brass, 6-pin, L4 keyway, 0-bitted standard.
Optional cylinders available; see How to Order, page 19.

Keys
Two nickel silver standard.

Applications and Listings
See page 3.

Warranty
One-year limited.

Certification/Compliance

ANSI
Meets A156.3, Grade 1.
Meets A117.1 Accessibility Code.

UL/ULC
All exit devices listed for safety as panic hardware; devices comply with UL305 standards for panic hardware. UL symbol on active head indicates listing.

NFPA
All exit devices comply with NFPA 101 Life Safety Code.

ADA
Exit devices and pull trims comply with Americans with Disabilities Act.

Finishes

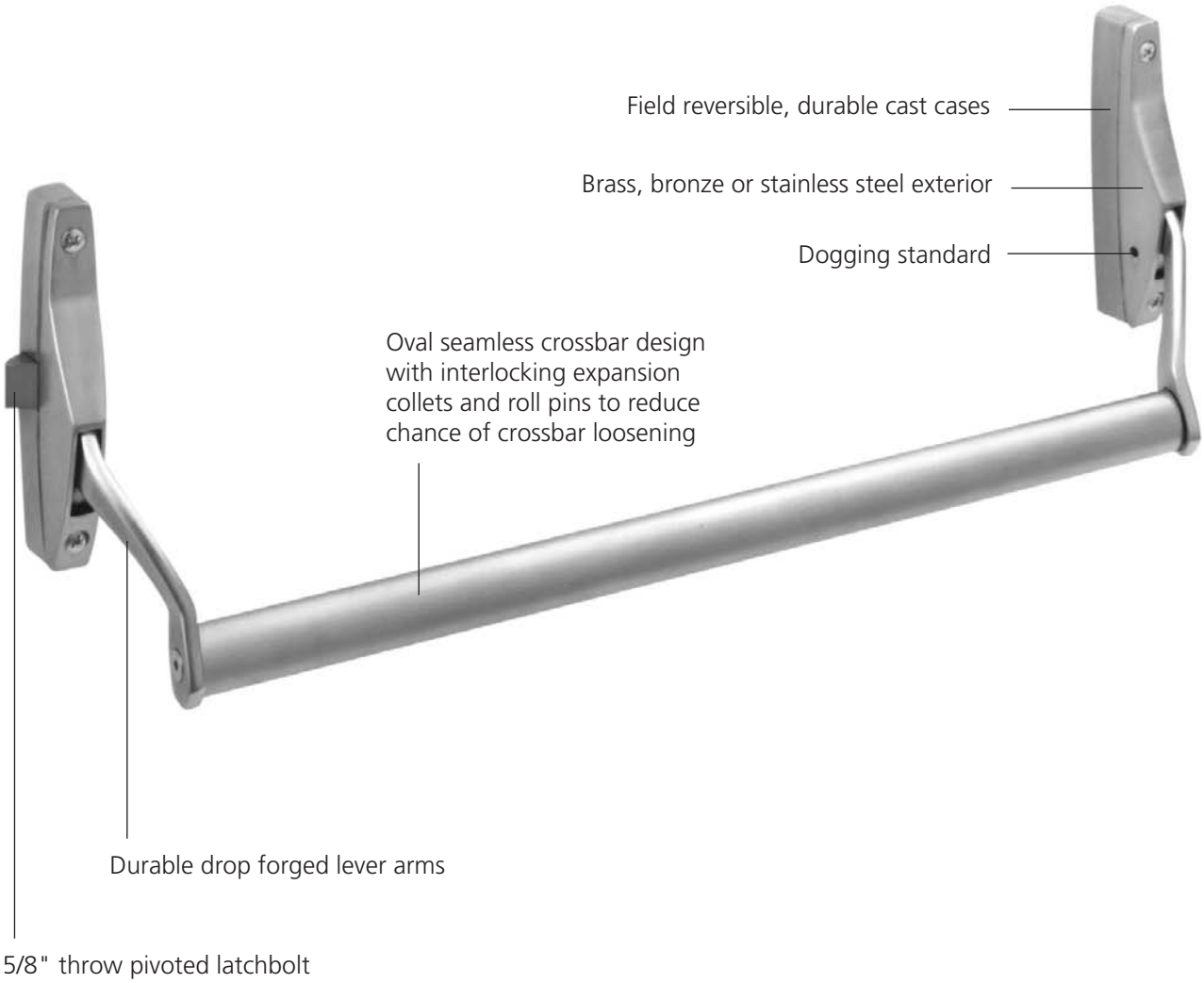
BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed
613E	Dark Oxidized Satin Bronze - Equivalent
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
626C	Satin Chrome Plated with MicroShield®
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield®
BHMA 722	Black oxidized bronze, oil rubbed

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Rim Exit Features

ED7000 Series

ED7200 Rim Exit Device



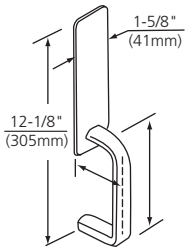
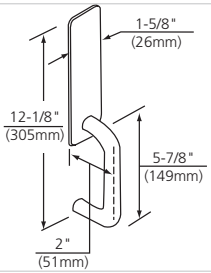
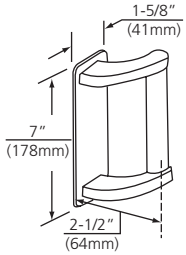
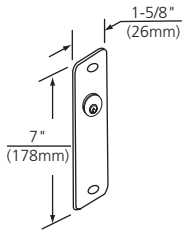
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Rim Trims and Functions

ED7000 Series

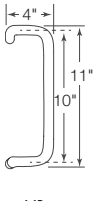
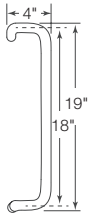
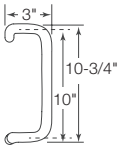
Rim Exit Device	ANSI Type	Type	ANSI No.	Function Description
ED7200	4	Exit Only	01	• Exit only; no trim. (Accepts all trims listed below)
For Dummy and Nightlatch functions, see Trim Designs below.		Dummy	02	• Always rigid.
		Nightlatch	03/04/09	• Always rigid. Key removable only when locked.

Pull Trim Design			Trim/Function	
			Dummy ANSI No. 02	Nightlatch ANSI No. 03/04/09
	**D Grip Pull** **P4** Grip: Extruded Escutcheon: Wrought Cylinder: Rim		P450ET	P457ET
	**Round Grip Pull** **P5** Grip: Extruded Escutcheon: Wrought Cylinder: Rim		P560ET	P557ET
	**Pull** **P6** Grip: Wrought Escutcheon: Wrought Cylinder: Rim		P650ET	P657ET
	**Plate** **P7** Escutcheon: Wrought Cylinder: Rim		N/A	P757ET

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Offset Pull Trims/Mullions

ED7000 Series

Offset Pull Trim: P12, P13, P14*			
	**Offset Pull** **P12** Clearance: 2-1/2"		Specify Part Number, 716F50M x Finish[1]
	**Offset Pull** **P13** Clearance: 2-1/2"		Specify Part Number, 716F51M x Finish[1]
	**Offset Pull** **P14** Clearance: 2-1/2"		Specify Part Number, 716F52M x Finish[1]

1. Available in 605, 606, 612, 613, 626, 629 and 630 finishes.
*Available on 1-3/4" thick doors only.

Removable Mullions

The CR900 series mullions are used to install two ED7200 Rim Exit Devices in a double door opening. They may be quickly and easily removed, then reinstalled, when a full double door opening is temporarily required. The CR900 series mullions meet ANSI A156.3, Type 22.

Materials and Finish

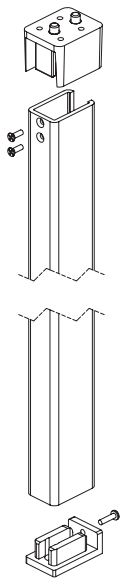
Steel mullion with malleable iron top and bottom plates; furnished with zinc plated fasteners for metal frames and concrete floors. May be cut, drilled and tapped in the field for Rim Exit Devices. Primed for painting, BHMA 600, red.

How to Order

UL Fire Rating[1]	Mullion Opening Height	Catalog Number
3-Hour	Up to 7'2"	CR907A
Panic Only	Up to 8'0"	CR908
Panic Only	Up to 10'0"	CR910

Note:
1. UL label on mullion indicates listing.

CR900 Mullion



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Vertical Rod Exit Features

ED7400 Series

ED7400 Panic Listed Vertical Rod Exit Device

Features

Handing
Field reversible; specify hand.

Bar Length
Easily field cut to size.
Standard 36" (914mm) bar fits doors up to 36" (914mm).
Optional 48" (1219mm) bar fits doors up to 48" (1219mm) doors; see How to Order page 20.

Door Thickness
Standard: 1-3/4" (44mm).
Optional: 2" (51mm) and 2-1/4" (57mm); see How to Order, page 20.

Backset
1-1/8" (26mm) minimum for 1/2" (13mm) stop
1-1/4" (32mm) minimum for 5/8" (16mm) stop.

Stile
Minimum width 1-7/8" (47mm) for 1/2" (13mm) stop; 2" (51mm) for 5/8" (16mm) stop.

Door Height
All top rods easily field cut to size.
Standard; top rod for 7'6" door.
Optional; top rod for doors up to 10'; see How to Order, page 20.

Projection
4-7/8" (124mm); 3-1/8" (79mm) depressed.

Latchbolts
Top: 1/2" (13mm) throw pivoted.
Bottom: 5/8" (16mm) throw pivoted.
Bottom latch acts independently, allowing top latch to remain engaged even when bottom latch is not projected.

Vertical Rods
Inverted U-shaped rectangular with concealed rod guides.

Materials
Brass, bronze or stainless steel.

Cases
Heavy cast.
Active case: 8" x 1-1/4" (203mm) x (32mm).
Inactive case: 7-1/2" x 1-1/4" (191mm) x (32mm).
Top latch: 5-11/16" x 1-1/4" (144mm) x (32mm).
Bottom latch: 5-5/8" x 1-1/4" (143mm) x (32mm).

Crossbar
Standard: 13/16" x 1-3/8" (21mm) x (35mm) oval seamless tubing.
Optional: reinforced crossbar and stainless steel crossbar; see How to Order, page 19.

Dogging
Standard on ED7400 devices.
Optional: less dogging; see How to Order, page 19.

Strikes
See Options and Accessories, page 15.

Trims and Functions
Through-bolted lever, pull and operator trims available; see Trims and Functions, page 10.

Cylinders
Brass, 6-pin, L4 keyway, 0-bitted standard.
Optional cylinders available; see How to Order, page 19.

Keys
Two nickel silver standard.

Applications and Listings
See page 3.

Warranty
One-year limited.

Certification/Compliance

ANSI
Meets A156.3, Grade 1.
Meets A117.1 Accessibility Code.

UL/ULC
All exit devices listed for safety as panic hardware; devices comply with UL305 standards for panic hardware. UL symbol on active head indicates listing.

California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard)
Levers with returns comply.

NFPA
All exit devices comply with NFPA 101 Life Safety Code.

ADA
Exit devices, pull trims and lever trims comply with Americans with Disabilities Act.

Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed
613E	Dark Oxidized Satin Bronze - Equivalent
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
626C	Satin Chrome Plated with MicroShield®
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield®
BHMA 722	Black oxidized bronze, oil rubbed

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Vertical Rod Exit Features

ED7400 Series

ED7400 Panic Listed Vertical Rod Exit Device



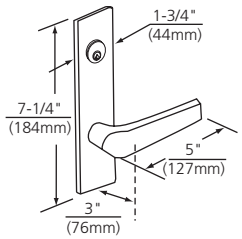
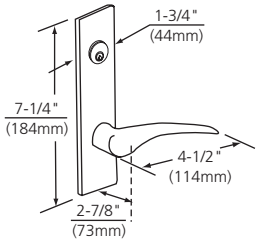
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Vertical Rod Trims and Functions

ED7400 Series

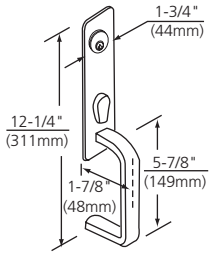
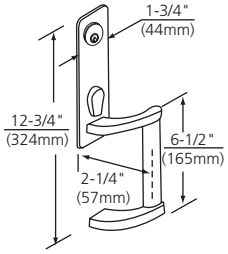
Vertical Rod Exit Device	ANSI Type	Type	ANSI No.	Function Description
ED7400	5	Exit Only	01	• Exit only; no trim. (Accepts operator trim.)
ED7401	5	Exit Only	01	• Exit only; no trim. (Accepts lever trim. 1-3/4" door only.)
For Dummy and Nightlatch functions, see Trim Designs below.		Classroom	08/11	• Free at all times, except when locked by key.
		Nightlatch	03/04/09/12	• Always rigid. Key removable only when locked.

Lever Trim Design (Available with ED7401 devices only.)			Trim/Function	
			Classroom ANSI No. 08	Nightlatch ANSI No. 03/04/09
	**Citation C4** Lever: Cast Escutcheon: Cast Cylinder: Mortise A02 MR Cylinder: 4266-001-A02 *1-3/4 thick door only		C455ET	C457ET
	**Dirke D4** Lever: Cast Escutcheon: Cast Cylinder: Mortise A02 MR Cylinder: 4266-001-A02 *1-3/4 thick door only		D455ET	D457ET

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Vertical Rod Trims and Functions

ED7400 Series

Operator Trim Design (Available with ED7400 devices only.)			Trim/Function	
			Classroom ANSI No. 11	Nightlatch ANSI No. 03/04/12
	**D Grip Operator 03** Grip: Extruded Escutcheon: Cast Cylinder: Mortise A02 MR Cylinder: 4266-001-A02		0355ET	0357ET 0356*
	**Round Grip Operator 04** Grip: Extruded Escutcheon: Cast Cylinder: Mortise A02 MR Cylinder: 4266-001-A02		0455ET	0457ET 0456*

*Key also used to hold top and bottom latchbolts in retracted position for ANSI No. 4 function.

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Concealed Vertical Rod Exit Features

ED7800 Series

ED7800 Panic Listed Concealed Vertical Rod Exit Device

ED7800A 3 Hour Fire Rated Concealed Vertical Rod Exit Device

FOR USE WITH METAL DOORS ONLY

Features

Handing
Field reversible; specify hand.

Bar Length
Easily field cut to size.
Standard 36" (914mm) bar fits doors up to 36" (914mm).
Optional 48" (1219mm) bar fits doors up to 48" (1219mm) doors; see How to Order page 20.

Door Thickness
1-3/4" (44mm) only (requires properly reinforced door).

Backset
1-3/8" (35mm) on single door with 5/8"(16mm) stop. 1" (25mm) on pair of doors.

Stile
Minimum width: 2-1/8" (54mm) on single door; 1-3/4" (44mm) on pair of doors.

Door Height
All top rods easily field cut to size.
Standard on ED7800 devices; top rod for doors up to 8'6".
Optional on ED7800 devices; top rod for doors up to 10'8"; see How to Order, page 20.
Standard on ED7800A devices; top rod for 7'2" doors.

Projection
4-7/8" (124mm); 3-1/8" (79mm) depressed.

Latchbolts
Top: 3/4" (19mm) throw pivoted and deadlocking.
Bottom: 13/16" (21mm) throw rounded steel.

Vertical Rods
Top: 3/8" (10mm) solid steel.
Bottom: 1/2" (13mm) O.D. steel tubing.

Materials
Brass, bronze or stainless steel.

Cases
Heavy cast, 7-1/2" (191mm) x 1-1/4" (32mm).

Crossbar
Standard: 13/16" (21mm) x 1-3/8" (35mm)oval seamless tubing.
Optional: reinforced crossbar and stainless steel crossbar; see How to Order, page 19.

Dogging
Standard on ED7800 devices.
Optional: less dogging; see How to Order, page 19.
Dogging not available on ED7800A devices.

Fasteners
Standard on ED7800 devices: machine screws.
Optional on ED7800 and ED7800A devices: spanner head screws; see How to Order, page 19.

Strike
See Options and Accessories, page 16.

Trims and Functions
Operator trim available with nightlatch function; see Trims and Functions, page 14.

Cylinders
Brass, 6-pin, L4 keyway, 0-bitted standard.
Optional cylinders available; see How to Order, page 19.

Keys
Two nickel silver standard.

Applications and Listings
See page 3.

Warranty
One-year limited.

Certification/Compliance

ANSI
Meets A156.3, Grade 2.
Meets A117.1 Accessibility Code.

UL/ULC
All exit devices listed for safety as panic hardware; devices comply with UL305 standards for panic hardware. UL symbol on active head indicates listing.
3 hour fire-rated devices listed as fire exit hardware for A label and lesser class 4' x 7'2" single and 8' x 7'2" double doors. UL symbol on active head indicates listing.

Any retrofit or other field modification to a fire-rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

NFPA
All exit devices comply with NFPA 101 Life Safety Code. Fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA
Exit devices and lever trims comply with Americans with Disabilities Act.

Finishes

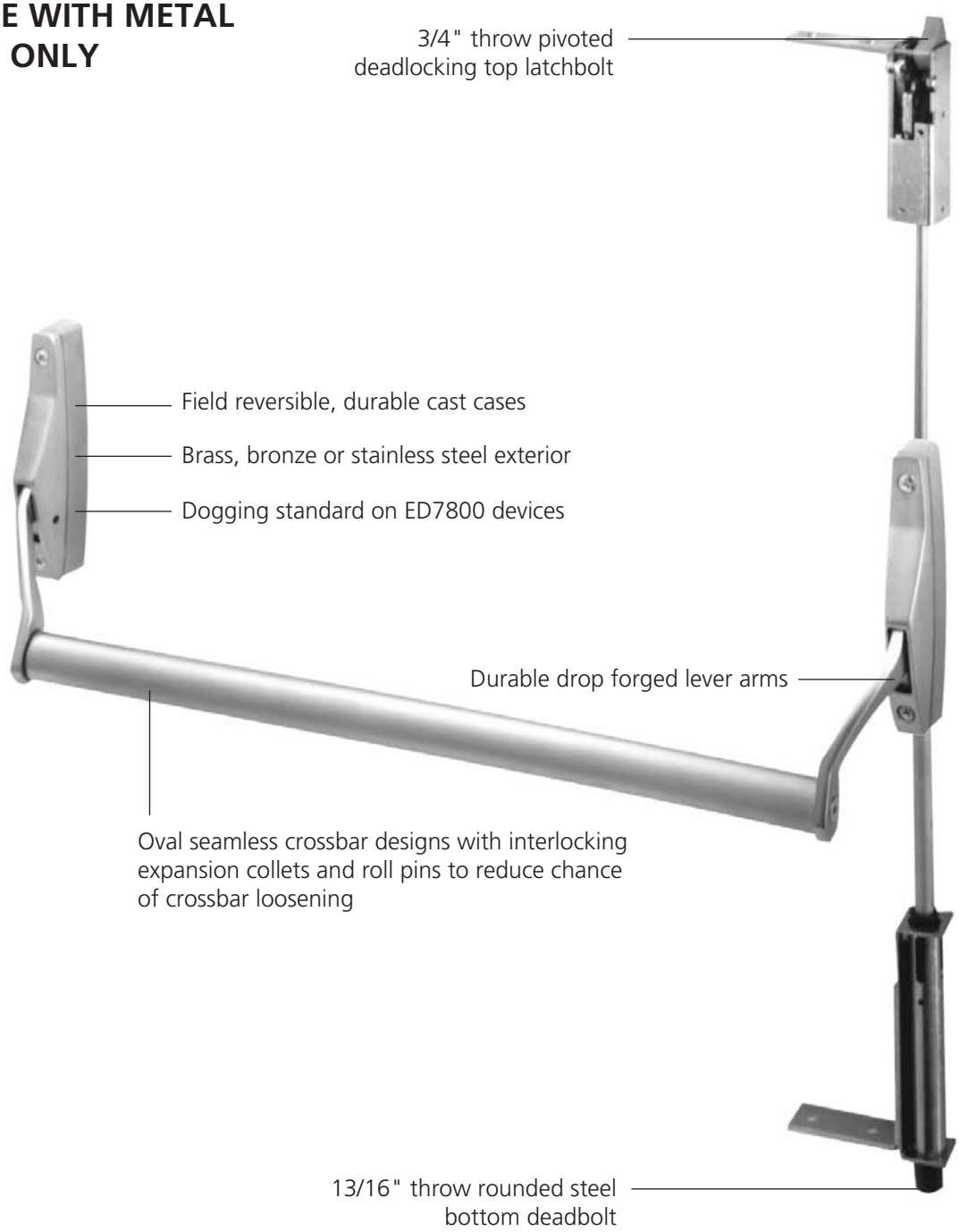
BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed
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BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield®
BHMA 722	Black oxidized bronze, oil rubbed

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Concealed Vertical Rod Exit Features

ED7800 Series

ED7800 and ED7800A Concealed Vertical Rod Exit Devices FOR USE WITH METAL DOORS ONLY



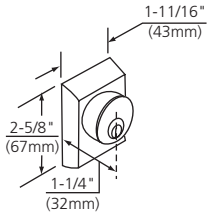
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Concealed Vertical Rod Trim and Function

ED7800 Series

Concealed Vertical Rod Exit Device	ANSI Type	Type	ANSI No.	Function Description
ED7800	6	Exit Only	01	• Exit only; no trim. (Accepts 05 operator trim.)
ED7800A	6	Exit Only	01	• 3-hour fire-rated exit only; no trim. (Accepts 05 operator trim.)
For Nightlatch function, see Trim Design below.		Nightlatch	09	• Always rigid. Key removable only when locked.

Operator Trim Design			Trim/Function
			Nightlatch ANSI No. 09
	**Operator 05** Escutcheon: Cast Cylinder: Special Mortise		0557ET

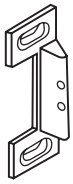
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Options and Accessories

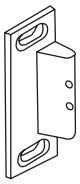
ED7000 Series

Rim Strikes

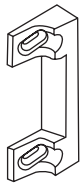
(Screws included)



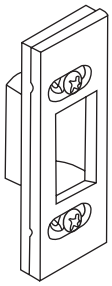
Open Rim Strike
Standard on ED7200 devices, 3-1/4" x 1-3/32" (83mm) x (28mm). Includes nylon anti-friction inserts for quieter operation. To order separately 145F56.



Rim Strike
Optional on ED7200 devices. Includes nylon anti-friction inserts for quieter operation. 3-1/4" x 1-1/16" (83mm) x (27mm), for doors with 5/8" (16mm) or 1/2" (12.7mm) stop. To order with exit device, specify option S07. To order separately, specify 145F55. To order with 1/8" (3mm) shim for door with 1/2" (12.7mm) stop, specify 145F55 x 184F82.



Rim Strike for Aluminum Frame with Blade Stop
Optional on ED7200 devices. Blade strike with wear plate. Includes nylon anti-friction inserts for quieter operation. To order with exit device, specify option S08. To order separately, specify 300F71 strike packet. Packet includes wear plate 213F05-7 and 1/8" (3mm) shim 184F82 for door with 1/2" (12.7mm) stop.



Mortised Adjustable Rim Strike
Optional on ED7200 devices; adjustable to compensate for shrinkage and swelling of door. 3-3/4" (95mm) x 1-9/16" (40mm). To order with exit device, specify option S04. To order separately specify 142F43.

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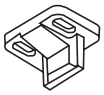
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Options and Accessories

ED7000 Series

Vertical Rod Strikes

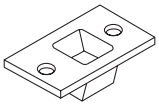
(Screws included)



Top Strike
Standard on ED7400 devices. 1-1/2" x 1-3/16" (38mm) x (30mm) with 15/16" (24mm) projection. To order separately, specify 446F21.



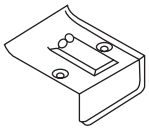
Bottom Strike
Standard on ED7400 devices. 2-1/4" x 1" (57mm) x (25mm) with 9/16" (14mm) projection. To order separately, specify packet 446F22.



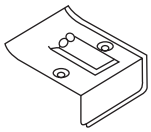
Flush Bottom Strike
Optional on ED7400 devices. To order with exit device, specify option S03. To order separately specify 361F91.

Concealed Vertical Rod Strikes

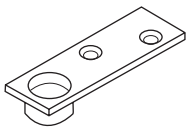
(Screws included)



Top Strike
Standard on ED7800 devices. To order separately, specify 503F55.



3-Hour Fire-Rated Top Strike
Standard on ED7800A devices. To order separately, specify 503F56.

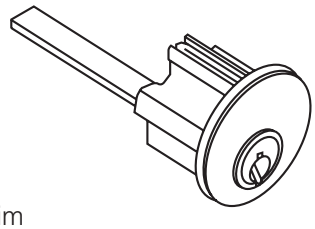
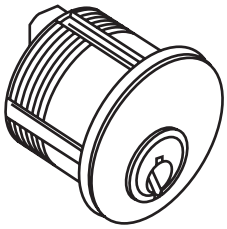


Bottom Strike
Standard on ED7800 and ED7800A devices. To order separately, specify; 503F52 for ED7800 devices; 503F53 for ED7800A devices (includes stainless steel screws).

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Cylinders

L4 keyway standard; specify other keyways.
Collar not included.
To order with Exit Device, see How to Order, page 19.
To order separately, specify Part No. x Keyway x Finish (e.g., 3000-200-7 x L4 x 605).

Cylinder Type	Part No.	Description
 Rim	CR3000-200	6-pin, horizontal tailpiece
	CR3000-200-7	7-pin, horizontal tailpiece
	CR3010-200	6-pin, horizontal tailpiece, high security
	CR3070-178	6-pin, interchangeable core (IC) less core
	CR3070-178-7	7-pin, IC less core
	CR3080-178	6-pin, IC
	CR3080-178-7	7-pin, IC
	CR3090-178	6-pin, high security IC
	CR3020-200	Pyramid High Security fixed core
	CR3027-200	Pyramid Security fixed core
	CR3030-178	Pyramid High Security IC
	CR3037-178	Pyramid Security IC
 Mortise	CR1000-118-A02	6-pin, 1-1/8" straight cam
	CR1000-CR114-A02-7	7-pin, 1-1/4" straight cam
	CR1010-118-A02	6-pin, 1-1/8" high security straight cam
	CR1070-114-A02	6-pin, 1-1/4" IC less core
	CR1080-114-A02	6-pin, 1-1/4" IC straight cam
	CR1090-114-A02	6-pin, 1-1/4" IC high security straight cam
	CR1000-118-A91	6-pin, 1-1/8" (for 02 and 03 trims only)
	CR1000-114-A91-7	7-pin, 1-1/4" (for 02 and 03 trims only)
	CR1000-138-A01	6-pin, 1-3/8"
	CR1000-138-A01-7	7-pin, 1-3/8"
	CR1010-138-A01	6-pin, 1-3/8" high security
	CR1070-138-A01	6-pin, 1-3/8" IC less core
	CR1080-138-A01	6-pin, 1-3/8" IC
	CR1090-138-A01	6-pin, 1-3/8" IC high security
	CR1000-112-A02	6-pin, 1-1/2" straight cam (for B4M, C4M and E4M trims only)
	CR1000-112-A02-7	7-pin, 1-1/2" straight cam (for B4M, C4M and E4M trims only)
	CR1010-112-A02	6-pin, 1-1/2" high security straight cam (for B4M, C4M and E4M trims only)
	CR1080-112-A02	6-pin, 1-1/2" IC straight cam (for B4M, C4M and E4M trims only)
	CR1080-112-A02-7	7-pin, 1-1/2" IC straight cam (for B4M, C4M and E4M trims only)
	CR1090-112-A02	6-pin, 1-1/2" IC high security straight cam (for B4M, C4M and E4M trims only)
	CR1020-114-A02	Pyramid High Security fixed core
	CR1020-112-A02	Pyramid High Security fixed core
	CR1027-114-A02	Pyramid Security fixed core
	CR1027-112-A02	Pyramid Security fixed core
	CR1030-114-A02	Pyramid High Security IC
	CR1030-138-A02	Pyramid High Security IC
	CR1030-112-A02	Pyramid High Security IC
	CR1037-114-A02	Pyramid Security IC
	CR1037-138-A02	Pyramid Security IC
	CR1037-112-A02	Pyramid Security IC

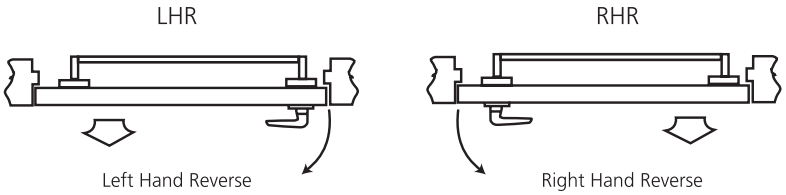
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How to Order

ED7000 Series

Ordering Examples



Rim Exit Device

Quantity	Exit Device	Finish	Finish	Misc. Options
36	ED7200	606	RHR	M51-M54

Removable Mullion

Quantity	Mullion
12	CR907A

Rim Exit Device with Trim

Quantity	Exit Device	Trim/Function	Finish	Hand	Door Thickness	Optional Strike	Door Width	Misc. Options
23	ED7200	P457ET	630	LHR	D214	S08	W048	M53

Trim Only (For Rim Exit Device)

Quantity	Trim/ Function	Finish	Hand
15	P657ET	630	LHR

Contract/Detailed Order - Rim Exit Device with Trim

Quantity	Keyset	Exit Device	Trim/ Function	Finish	Hand	Door Thickness	Door Width	Misc. Options	Optional Cylinder	Keying
32	AA1	ED7200	P557ET	625	LHR	D200	W048	M54	C6	VKC3

Where to find ordering information and Quick Codes

Trims and Functions
- Rim — Pages 4-7
- Vertical Rod — Pages 8-11
- Concealed Vertical Rod — Pages 12-14

Removable Mullion — Page 18
Finish — Page 19
Miscellaneous Options — Page 19
Cylinder and Keying — Page 19
Handing — Page 20
Door Thickness — Page 20
Strike — Page 20
Door Width — Page 20
Door Height — Page 20

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How to Order

ED7000 Series

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Pyramid Security fixed core	PS
Pyramid Security IC	PCS
Pyramid High Security fixed core	PHS
Pyramid High Security IC	PCHS
Pyramid IC with temporary construction core	CTP
Pyramid IC less core	CLP
Less cylinder(s)	LC
High security	HS
High security interchangeable core (IC)	CHS
IC 6-pin	C6
IC 6-pin with temporary construction core (Red)	CT6R
IC 6-pin with temporary construction core (Blue)	CT6B
IC 6-pin with temporary construction core (Green)	CT6G
IC 6-pin with temporary construction core	CT6
IC 6-pin less core	CL6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin (rim only)	C7
IC 7-pin with temporary construction core (Red)	CT7R
IC 7-pin with temporary construction core (Blue)	CT7B
IC 7-pin with temporary construction core (Green)	CT7G
IC 7-pin with temporary construction core	CT7
IC 7-pin less core (rim only)	CL7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
SFIC 6- or 7-pin Small Format Disposable Core	CTSD
Master ring (ED7400 only)	MR
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
No keying data stamped on key or cylinder	VKC0
Keys only	VKC1
Cylinders and keys (not for HS or CHS)	VKC2
Cylinders only (not for HS or CHS)	VKC3
Concealed key control (CKC)	
CKC cylinders with VKC keys	CKC2
CKC cylinders only	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY3)

Finish

Description		Specify
US3	Bright Brass	605
US4	Satin Brass	606
US9	Bright Bronze	611
US10	Satin Bronze	612
US10B	Dark Oxidized Satin Bronze, oil rubbed	613
US14	Bright Nickel Plated	618
US15	Satin Nickel Plated	619
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626
—	Satin Chrome Plated with MicroShield®	626C
US32	Bright Stainless Steel	629
US32D	Stain Stainless Steel	630
—	Satin Stainless Steel with MicroShield®	630C
—	Black oxidized bronze, oil rubbed	722

Miscellaneous Options

Description	Specify
Spanner head screws	M02
ANSI wrought strike box	M17
Knurling outside and inside (trim and device; not available with M50)	M20
Knurling outside only (trim side)	M21
Knurling inside only (device side; not available with M50)	M22
Abrasive coat outside and inside (trim and device)	M23
Abrasive coat inside only (device side)	M24
Abrasive coat outside only (trim side)	M25
Stainless steel crossbar (not available with M20 or M22)	M50
Less dogging	M51
Steel reinforced crossbar	M53
Sex nuts and bolts (SNBs) (Not available with ED7800(A) devices)	M54
Shim for 2-3/4" backset on doors with 1/2" stop (rim devices only)	M59
Less latch hold-back (ED7200 devices only)	M66

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How to Order

ED7000 Series

Strikes

Description	Specify
Rim	
Open rim (ED7200 devices)	(standard)
Rim	S07
For aluminum frame with blade stop	S08
Mortised adjustable	S04
Vertical Rod	
Top (ED7400 devices)	(standard)
Surface projecting bottom (ED7400 devices)	(standard)
Flush bottom (ED7400 devices only)	S03
Concealed vertical rod	
Top (ED7800 devices)	(standard)
3-hour fire-rated top (ED7800A devices)	(standard)
Bottom (ED7800 and ED7800A devices)	(standard)
Mortise	
ANSI strike	(standard)
Open back	
1-3/4" door thickness	SB134
2" door thickness	SB200
2-1/4" door thickness	SB214

Door Width

Door Width	Specify
36"	(standard)
48"	W048

Door Height

Door Height	Specify
7'6" (ED7400 devices)	(standard)
7'2" (ED7400A and ED7800A devices)	(standard)
10'0" (ED7400 devices only)	H1000
10'8" (ED7800 devices only)	H1008

Handing

Hand	Specify
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Door Thickness

Door Thickness	Specify
1-3/4"	(standard)
2" (except ED7401 x lever trim and ED7800)	D200
2-1/4" (except ED7401 x lever trim and ED7800)	D214

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Helpful Terms

ED7000 Series

Abrasive Coat
Hard granular material applied to a knob or lever to provide a non-slip tactile surface for the visually impaired.

Active Door
In a pair of doors, the door that is operable from the trim side.

Astragal
A vertical member applied to one or both sides of a pair of doors at the meeting edges. The astragal closes the gap between the two doors.

Coordinator
A device used on a pair of doors to ensure that the inactive door closes before the active door.

Deadlocking Latch
A supplemental latch that automatically deadlocks the latchbolt when pressure is applied to it.

Dogging
A mechanism that allows the latchbolt to remain retracted, permitting the door to operate as if it were a push-pull. It cannot be used on fire-rated exit devices.

Double Egress
A pair of doors of the same hand that swing in opposite directions, commonly found in corridors.

Dummy Trim
Trim only, without a lock. Usually used on the inactive door of a pair of doors.

Exit Device (Panic Hardware)
A door locking device with a pushbar or crossbar which, when pressed, allows instant exit (egress)

Hand
The direction a door swings.

Inactive Door
In a pair of doors, the door that is inoperable from the trim side.

Latchbolt
A lock component that has a beveled end and projects into a strike, holding a door in a closed position.

Mullion
A fixed or removable vertical member that divides a door opening and provides a latch surface for a pair of rim exit devices.

Narrow Stile Door
Usually a door having a stile of less than 2-3/4" wide, commonly seen on aluminum or glass front applications.

Open Back Strike
For mortise exit devices, used on the inactive door (usually the vertical rod door) of a pair of doors that swing in the same direction. It permits the inactive door to open or close independently.

Reversible
Pertains to a product that may be changed in the field to accommodate any hand of the door.

Shim Kit
Pieces of metal that permit mounting of an exit device on a door that has a surface projecting vision light (glass bead) molding.

Split Astragal
An astragal that is split through the middle on a pair of doors, allowing both doors to operate independently.

Threshold
A strip fastened to the floor beneath a door. It serves as a stop, prevents heat loss, and provides a strike location for latching the bottom rod of a vertical rod exit device.

Trim
A knob, lever, pull, or thumbpiece used on the outside of an exit device door to control access to an area.

Universal Exit Device
An exit device that may be used on doors of either hand without any modifications.

Keying and Cylinder Terms

Concealed Key Control (CKC)
The marking of standard key symbols on a cylinder in a location that is not visible once the cylinder is installed.

Construction Master Keying (CMK)
A cylinder preparation that allows temporary access by construction personnel.

Control Key
A key used to remove and install interchangeable cores.

Cylinder
A lock component containing the combination that determines which keys will operate.

Flex Head Cylinder
A cylinder with built-in adjustment for minor variations in door and trim thickness.

High Security Cylinder
A cylinder which provides extra resistance to picking and unauthorized duplication of keys.

Interchangeable Core (IC)
A cylinder which can be removed and installed quickly with a control key by non-skilled personnel when rekeying is required.

Key Symbol
A letter/number combination in standard industry format (e.g., 1AA, AA1, etc.) which indicates exactly how a key or cylinder fits into a keying system.

Keyway
The opening in a cylinder plug through which the key enters.

Master Keying
Preparation of a cylinder to operate with keys of different levels of access.

Master Ring Cylinder
A cylinder which offers a wider range of keying.

Visual Key Control (VKC)
The marking of standard key symbols on keys and on the visible portion of the front of a cylinder.

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How to Specify

ED7000 Series

Suggested Specification

All exit devices shall be ED7000 Series Narrow Stile Crossbar Exit Devices as manufactured by Corbin Russwin Architectural Hardware, Berlin, Connecticut, USA.

The maximum exit device projection shall be 4-7/8", and 3-1/8" when crossbar is depressed. Exit devices shall have matched twin cases mounted with concealed fastening screws, and shall be constructed of brass, bronze or stainless steel. Non-matched twin cases shall not be acceptable. Crossbar lever arms shall be drop forged. Devices shall be field reversible.

Crossbars shall be oval shaped and shall be a minimum of .065" thick. Crossbars shall interlock into the lever arms by expansion collets and interlocking roll pins. Crossbars attached with rivets shall not be acceptable. Reinforced crossbars and stainless steel crossbars shall be available. All exit devices shall be easily field sized to accommodate various door widths.

Panic listed exit devices shall have dogging standard. Dogging screws shall seat into heat-treated pivots for long life and minimum wear. Panic listed devices shall be available less dogging.

All devices shall be listed by Underwriters Laboratories (UL) for safety as panic hardware. Fire-rated devices shall be UL listed for A label and lesser class doors, 4' x 7'2" single and 8' x 7'2" pair.

All exit devices shall have ample allowances for easy alignment.

Trims shall be through-bolted with concealed fasteners. Escutcheon, rose and pull trims shall be constructed of brass, bronze or stainless steel. All lever trims shall use cast levers. Wrought levers shall not be acceptable. Lever trims shall match those on Corbin Russwin Mortise and Cylindrical Locksets.

All devices and trim shall be furnished in architectural finishes and shall match the trims and finishes on corresponding locksets.

Certification:
Federal Specification FF-H-1820
ANSI A156.3 Grade 1
ANSI A156.3 Grade 2 (ED7800 Series)

All devices, trims, and cylinders shall be from one manufacturer.

All devices and trims shall carry a one-year limited warranty.

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Notes

ED7000 Series

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ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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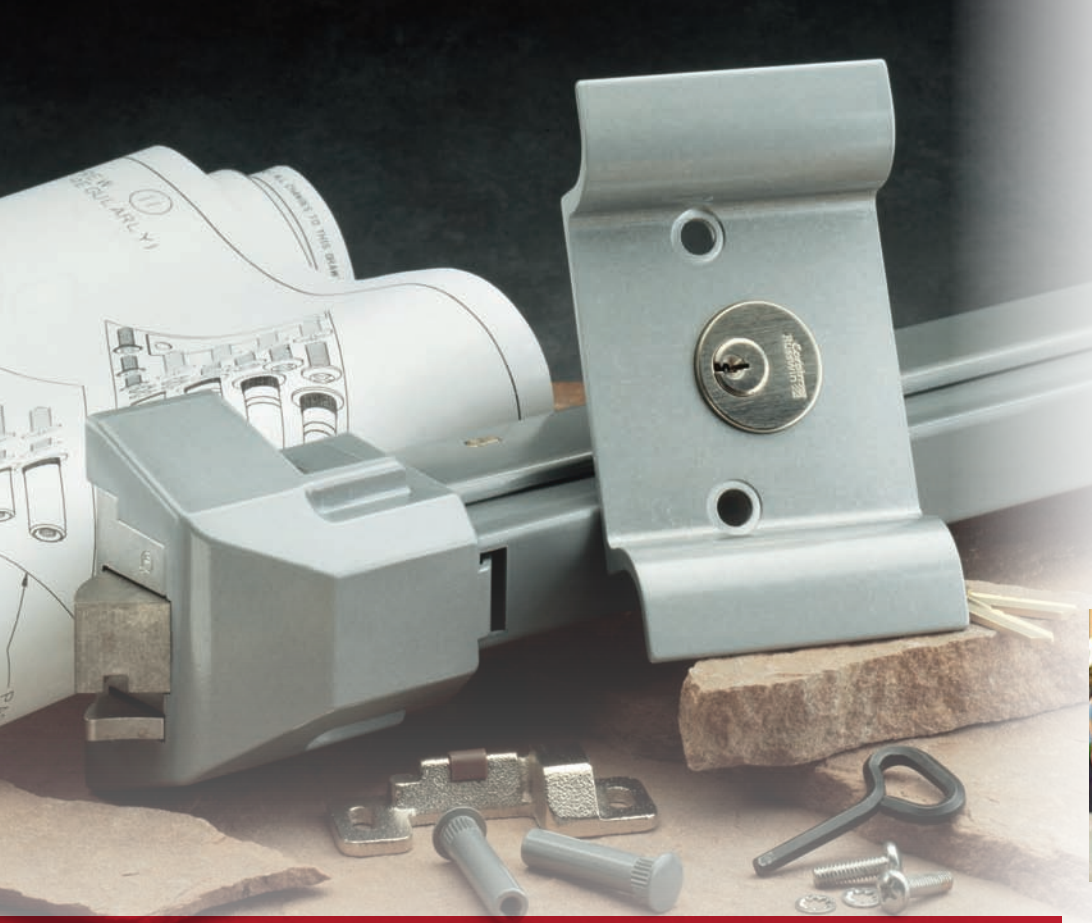
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Security Solutions Canada
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Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 800-461-8989
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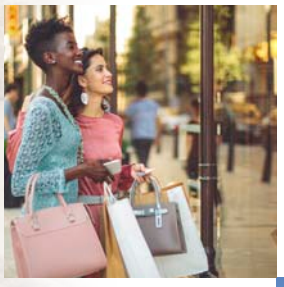
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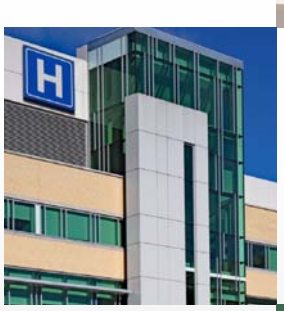
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ED8000 Series





Product Catalog

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Introduction

ED8000 Series



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Applications

Heavy-duty steel construction and Grade 1 performance, priced for outstanding value. Meets rigorous life safety and security requirements, while offering pleasing aesthetics and trouble-free operation. Designed for high-use, high-abuse situations, ED8000 Series Pushpad Exit Devices can be teamed with a variety of Corbin Russwin trims to provide desired functions, styles and finishes in new construction and renovations, including these settings:

- School and University
- Health Care
- Government and Public
- Commercial and Industrial
- Office and Retail
- Transportation and Utilities
- Hotels and Conference Centers
- Religious

Advantages

- Meets ANSI Grade 1 requirements
- Easy-to-use pushpad for quick egress and ADA compliance
- Heavy-duty steel construction
- 3/4" latchbolt standard on rim device
- Low profile and projection for barrier-free code compliance
- No projecting parts to inhibit egress
- Devices accommodate various trim functions for flexibility
- Wide range of trim styles and finishes to match other Corbin Russwin products
- One-point dogging standard on panic-listed devices
- Devices available to satisfy C-UL US safety and fire requirements

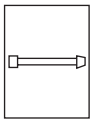
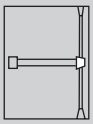
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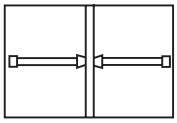
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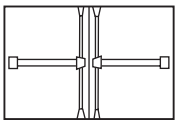
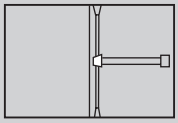
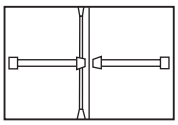
Applications and Listings

ED8000 Series

WHI Listed by Warnock Hersey International Inc., as fire exit hardware.
C-UL US Listed by Underwriters Laboratories Inc., as fire exit hardware.

Single Door	Listing	Maximum Opening	Application	
Rim ED8200 ED8200B ED8200A	Panic 1-1/2 Hr. WHI 3Hr. UL	4' x * 4' x 8' 4' x 8'	Surface applied; single point latching.	
Surface Vertical Rod ED8400	Panic	4' x 10'	Surface applied; two point latching.	

Pair of Doors with Removable Mullion	Listing	Maximum Opening	Application	
Rim x Rim ED8200 x ED8200 x CR910 ED8200B x ED8200B x CR908A ED8200A x ED8200A x CR908A	Panic 1-1/2 Hr. WHI 3Hr. UL	8' x 10' 8' x 8' 8' x 8'	2 independent active doors with removable mullion.	

Pair of Doors	Listing	Maximum Opening	Application	
Surface Vertical Rod x Surface Vertical Rod ED8400 x ED8400 ED8400A x ED8400A	Panic 1-1/2 Hr. UL	8' x 10' 8' x 8'	2 independent doors with 2 point latching, swinging in the same direction. Overlapping astragal may not be required.	
Surface Vertical Rod x Surface Vertical Rod (Double Egress) ED8400 x ED8400 ED8400A x ED8400A	Panic 3 Hr. UL	8' x 10' 8' x 8'	2 independent doors with 2 point latching, swinging in opposite directions. Overlapping astragal required for 3-hour openings.	
Surface Vertical Rod x Rim ED8400 x ED8200 x S02	Panic	8' x 10'	S02 strike required on inactive door; coordinator recommended.	

Note: All ED8000 Series Pushpad Exit Devices are UL305 panic listed.
*UL does not set a door height limitation on panic applications.

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Corbin Russwin
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Rim Exit Features

ED8000 Series

ED8200 Panic Listed Rim Exit Device
ED8200B 1-1/2 Hour Fire Listed Rim Exit Device
ED8200A 3-Hour Fire Listed Rim Exit Device

Features

Handing
Non-handed.

Bar Length
Easily field cut to size.
Standard: 36" bar fits 31" - 36" (787mm-914mm) door.
Optional: 30" bar fits 28" - 30" (711mm-762mm) door; specify W030.
Optional: 42" bar fits 37" - 42" (940mm-1067mm) door; specify W042.
Optional: 48" bar fits 43" - 48" (1092mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Backset
2-3/4" (70mm). Device and trim cover standard ANSI A115.2 (Type 161) cylindrical lock preparation. (Backset changes when mullion is used.)

Stile
Minimum width 5" (127mm).

Projection
2-1/2" (64mm) low profile for barrier-free access.

Latchbolt
3/4" (19mm) stainless steel pullman-type with stainless steel deadlocking latch.

Materials
Heavy-duty wrought steel chassis and pushpad; aluminum front and rear bar covers; stainless steel springs; nylon bearings.

Dogging
Standard on ED8200 devices: single point 1/4 turn dogging.
Optional: less dogging; specify M51.
Dogging not available on ED8200A and ED8200B devices.

Fasteners
Standard on ED8200 devices: machine screws and wood door fasteners.
Optional on ED8200 devices: sex nuts and bolts; specify M54.
Standard on ED8200A and ED8200B devices: sex nuts and bolts.

Strike
See Options and Accessories, page 11.

Functions and Trims
Thru-bolted lever, pull and knob trims available with wide range of functions; see Trims and Functions, pages 8-10.

Cylinders
Cylinder not included unless specified. See Quick Codes, page 16.

Removable Mullion
See Mullions, page 13.

Shim Kit
Optional for mounting device over glass bead vision light; specify M58.

Applications and Listings
See page 3.

Exit Alarm
Optional on ED8200 and ED8200B devices, with and without delay feature. See Electrified Options, page 14, or Quick Codes, page 17.

Warranty
One-year limited.

Certification/Compliance

ANSI
Meets A156.3, Type 1, Grade 1.
Meets A117.1 Accessibility Code.

C-UL US
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. UL symbol on rear cover label indicates listing. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 4' x 8' single or 8' x 8' double doors; UL symbol on rear cover label indicates listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Warnock Hersey International Inc.
ED8200B listed as fire exit hardware for installation on up to 1-1/2 hour fire doors, up to 8' x 8'.

California State Reference Code
This product has been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code.

NFPA
All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA
Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes
Painted finishes available on devices and some trims.

BHMA 689	Silver Aluminum Painted
BHMA 690	Dark Bronze Painted
BHMA 691	Light Bronze Painted

Plated finishes available on trims only.

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 622	Flat Black Coated
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
626C*	Satin Chromium Plated with MicroShield®
BHMA 722	Black oxidized bronze, oil rubbed

***G10, A6, N6 & PR6 trims are available with MicroShield®.**

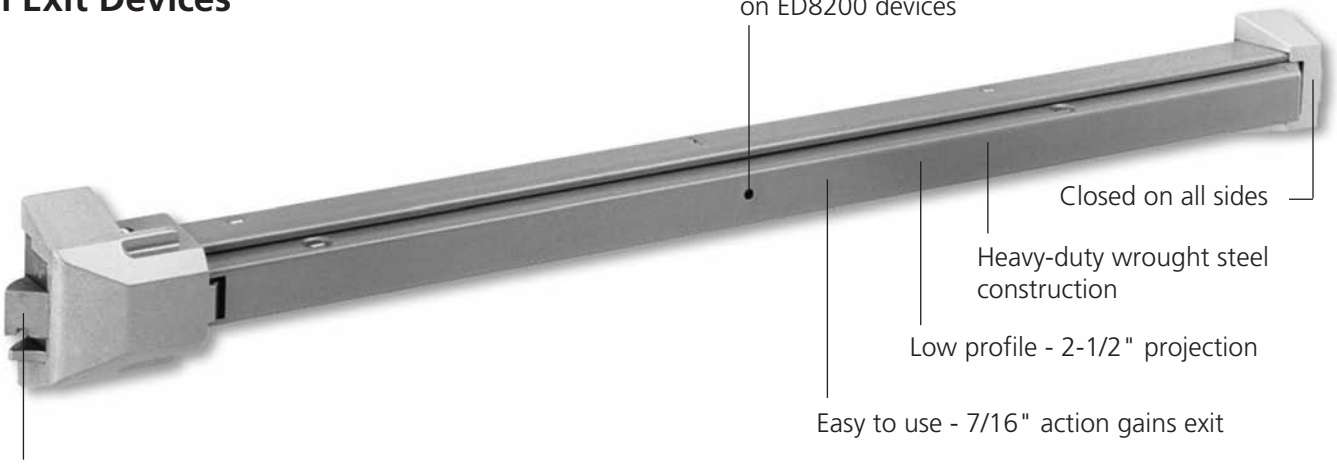
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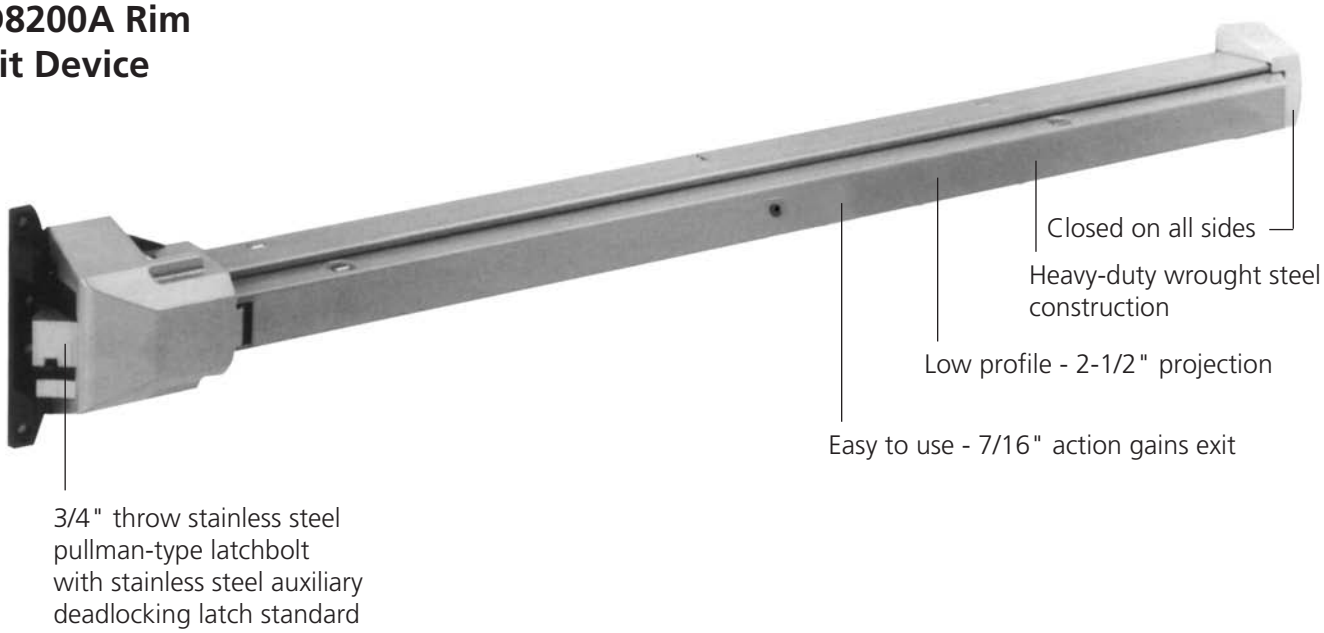
Rim Exit Features

ED8000 Series

ED8200 and ED8200B Rim Exit Devices



ED8200A Rim Exit Device



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Vertical Rod Features

ED8000 Series

ED8400 Panic Listed Surface Vertical Rod Exit Device
ED8400A 3-Hour Fire Listed Surface Vertical Rod Exit Device

Features

Handing
Handed; specify hand.

Bar Length
Easily field cut to size.
Standard: 36" bar fits 31"- 36" (787mm-914mm) door.
Optional: 30" bar fits 28" - 30" (711mm-762mm) door; specify W030.
Optional: 42" bar fits 37" - 42" (940mm-1067mm) door; specify W042.
Optional: 48" bar fits 43" - 48" (1092mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Backset
2-3/4" (70mm). Device and trim cover standard ANSI A115.2 (Type 161) cylindrical lock preparation.

Stile
Minimum width 5" (127mm).

Door Height
All top rods easily field cut to size.
Standard on ED8400 devices: top rod for 7'6" door.
Optional on ED8400 devices: top rod for doors up to 10'; specify H1000.
Standard on ED8400A devices: top rod for 8' door.

Projection
2-1/2" (64mm) low profile for barrier-free access.

Latchbolts
ED8400 devices:
Top: 1/2" interlocking drop latch.
Bottom: 5/8" pivoted.
ED8400A devices:
Top: 3/4" (19mm) steel pullman type with steel deadlocking latch. Bottom: 3/4" (19mm) deadbolt.

Vertical Rods
Inverted U-shaped rectangular.

Materials
Heavy-duty wrought steel chassis and pushpad; steel vertical rods; aluminum bar and latch covers; stainless steel springs; nylon bearings.

Dogging
Standard on ED8400 devices: single point 1/4 turn dogging.
Optional: less dogging; specify M51.
Dogging not available on ED8400A devices.

Fasteners
Standard on ED8400 devices: machine screws and wood door fasteners.
Optional on ED8400 devices: sex nuts and bolts; specify M54.
Standard on ED8400A devices: sex nuts and bolts.

Strike
See Options and Accessories, page 11.

Functions and Trims
Thru-bolted lever, pull and knob trims available with wide range of functions; see Trims and Functions, pages 8-10.

Cylinders
Cylinder not included unless specified. See Quick Codes, page 16.

Applications and Listings
See page 3.

Shim Kit
Optional for mounting device over glass bead vision light; specify M58.

Warranty
One-year limited.

Certification/Compliance

ANSI
Meets A156.3, Type 2, Grade 1.

C-UL US
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. UL symbol on rear cover label indicates listing. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 8' x 8' double doors; UL symbol on rear cover label indicates listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

California State Reference Code
This product has been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code.

NFPA
All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA
Lever trims and pulls comply with Americans with Disabilities Act.

Finishes

Painted finishes available on devices and some trims.

BHMA 689	Silver Aluminum Painted
BHMA 690	Dark Bronze Painted
BHMA 691	Light Bronze Painted

Plated finishes available on trims only.

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 622	Flat Black Coated
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
626C*	Satin Chromium Plated with MicroShield®
BHMA 722	Black oxidized bronze, oil rubbed

***G10, A6, N6 & PR6 trims are available with MicroShield®.**

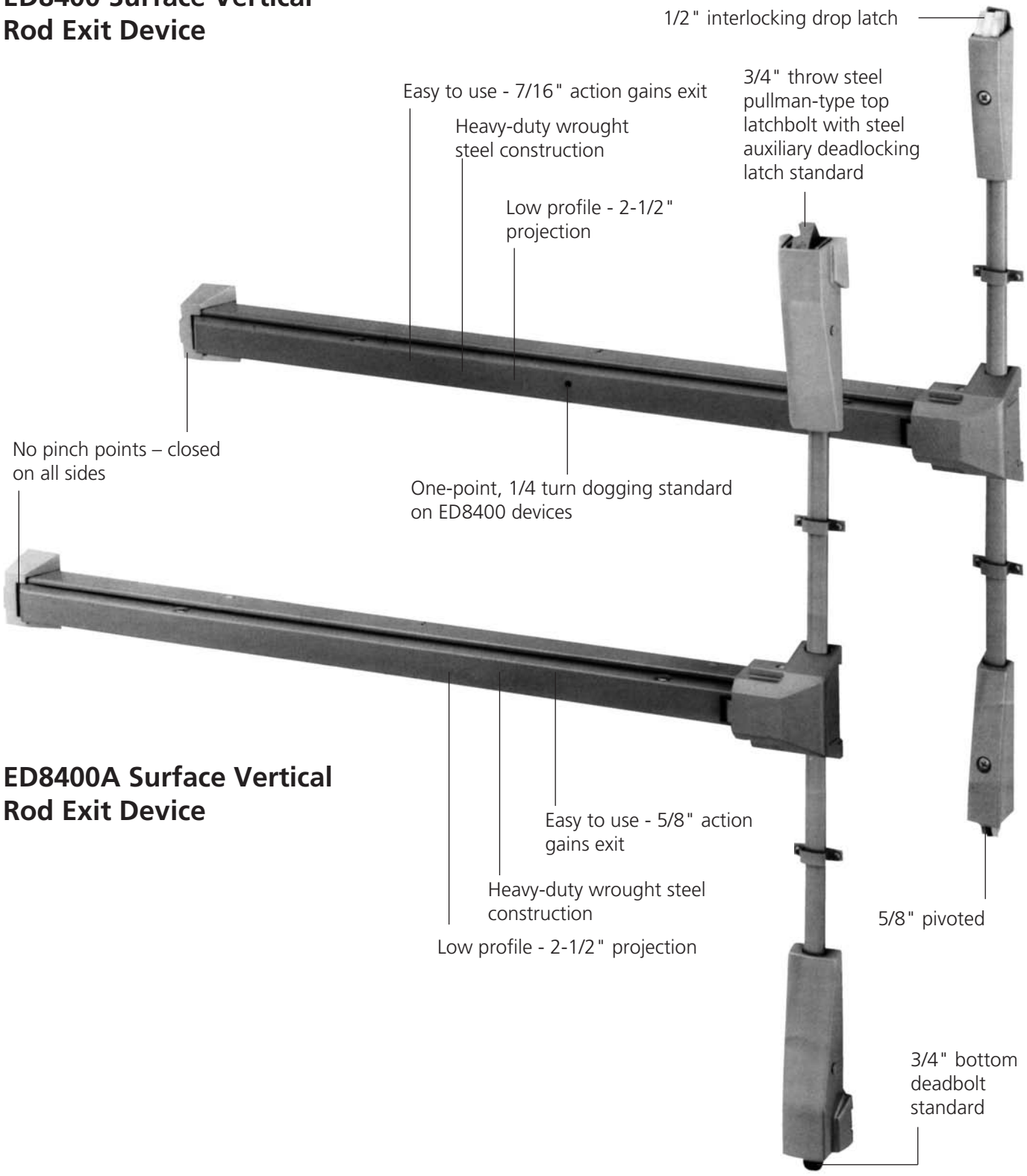
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Vertical Rod Features

ED8000 Series

ED8400 Surface Vertical Rod Exit Device



ED8400A Surface Vertical Rod Exit Device

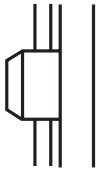
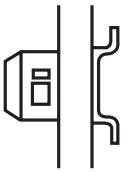
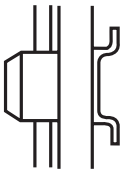
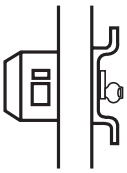
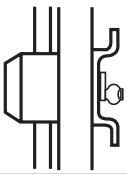
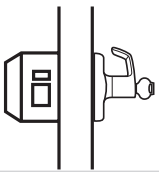
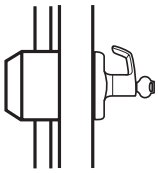
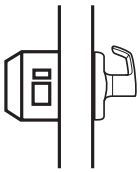
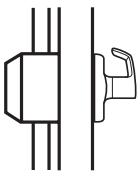
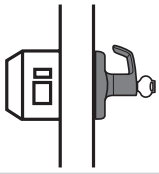
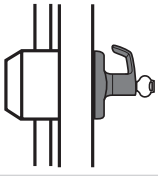
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Functions

ED8000 Series

Rim ED8200 ED8200B ED8200A Inside Outside	Surface Vertical Rod ED8400 ED8400A Inside Outside	Type	ANSI No.	Function Descriptions
		Exit Only	F01	• Exit only; no trim.
		Dummy	F02	• Entrance by trim when actuating bar is locked down.
		Nightlatch	F03	• Entrance by trim when latch bolt is retracted by key. Key removable only when locked.
		Classroom	F08	• Entrance by knob or lever. Key locks or unlocks knob or lever.
		Passage	—	• Latch bolt retracted by knob or lever.
		Storeroom (Lever Active)	F09	• Entrance by knob or lever only when released by key. Key removable only when locked.

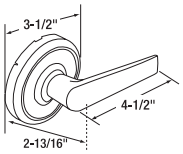
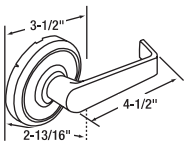
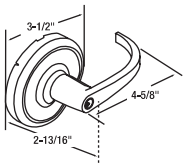
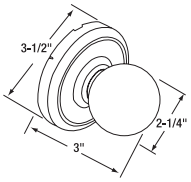
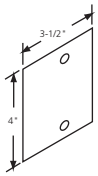
 Indicates rigid grip when locked.

Note: Trims shown are for function representation only. See pages 9 and 10 for available trims.

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Functions

ED8000 Series

Trim Design			Trim/Function				
			Passage	Dummy ANSI No. F02	Classroom ANSI No. F08	Nightlatch ANSI No. F03	Storeroom ANSI No. F09
	**Armstrong** **A6** Lever: Die cast zinc Rose: Wrought brass or bronze Cylinder: Key-in-lever *Available in plated finishes only.*		A610ET	A650ET	A655ET	A657ET[2]	A659ET
	**Newport** **N6** Lever: Die cast zinc Rose: Wrought brass or bronze Cylinder: Key-in-lever *Available in plated finishes only.*		N610ET	N650ET	N655ET	N657ET[2]	N659ET
	**Princeton** **PR6** Lever: Die cast zinc Rose: Wrought brass or bronze Cylinder: Key-in-lever *Available in plated finishes only.*		PR610ET	PR650ET	PR655ET	PR657ET[2]	PR659ET
	**Global** **G10** Knob: Wrought Rose: Wrought brass or bronze Cylinder: Key-in-knob *Available in plated finishes only.*		G1010ET	G1050ET	G1055ET	G1057ET[2]	G1059ET
	**Flat Plate** **F1** Plate: Steel Cylinder: Rim Available in plated and painted finishes.		N/A	F150ET[1]	N/A	F157ET[2]	N/A

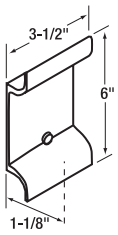
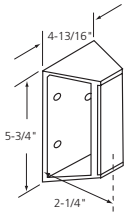
Notes:
1. Blank plate with no ANSI function.
2. Not recommended for use with ED8400 or ED8400A Surface Vertical Rod devices.

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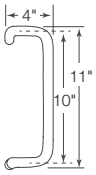
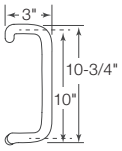
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Functions

ED8000 Series

Trim Design			Trim/Function			
			Passage	Dummy ANSI No. F02	Classroom ANSI No. F08	Nightlatch ANSI No. F03
	**Wing Pull** **P8** Pull: Extruded Cylinder: Rim Available in painted finishes only.		N/A	P850ET	N/A	P857ET[2]
	**Offset Pull** **P2** Pull: Extruded Cylinder: Rim *Available in plated finishes only.*		N/A	P250ET	N/A	P257ET[2]
	**Key Only** **KO** Cylinder: Rim Note: Available with cylinder option only. Ex: K057 x 6P		N/A	N/A	N/A	KO57ET[2]

2. Not recommended for use with ED8400 or ED8400A Surface Vertical Rod devices.

Offset Pull Trim: P12, P13, P14*			
	**Offset Pull** **P12** Clearance: 2-1/2"		Specify Part Number, 716F50M x Finish[1]
	**Offset Pull** **P13** Clearance: 2-1/2"		Specify Part Number, 716F51M x Finish[1]
	**Offset Pull** **P14** Clearance: 2-1/2"		Specify Part Number, 716F52M x Finish[1]

1. Available in 605, 606, 612, 613, 626, 629 and 630 finishes.
*Available on 1-3/4" thick doors only.

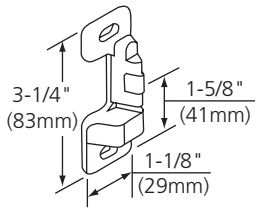
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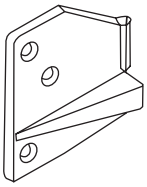
Options and Accessories

ED8000 Series

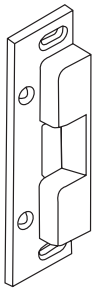
Rim Strikes
(Screws Included)



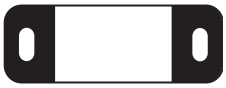
Rim Strike
Standard on ED8200 and ED8200B devices. To order separately, specify 386F45.



Rim x Vertical Rod Strike
Required for ED8200 devices when used on pair of doors with ED8400 device. To order with exit device, specify S02. To order separately, specify 468F30 x finish.



3-Hour Fire-Rated Rim Strike
Standard on ED8200A devices. To order separately, specify 518F06.



Rim Strike Shim
For doors with 1/2" stop, specify M59. To order separately, specify 391F575.

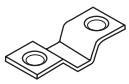
Vertical Rod Strikes
(Screws Included)



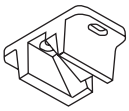
Top Strike
Standard on ED8400 devices. To order separately, specify 446F21.



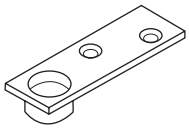
Surface Projecting Bottom Strike
Standard on ED8400 devices. To order separately, specify 446F22.



Flush Bottom Strike
Optional for ED8400 devices only. To order with exit device, specify S03. To order separately, specify 463F92.



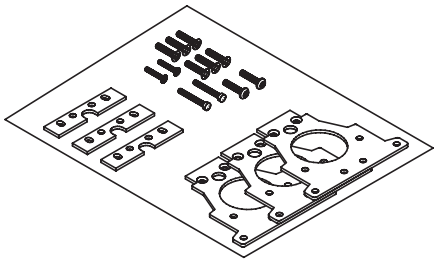
Fire-Rated Top Strike
Standard on ED8400A devices. To order separately, specify 526F52.



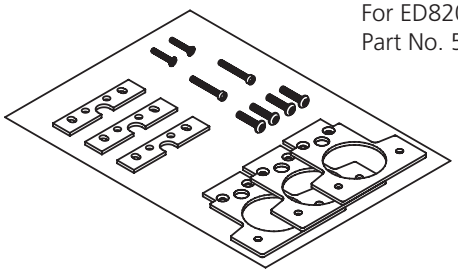
Fire-Rated Bottom Strike
Standard on ED8400A devices. To order separately, specify 526F53.

Shim Kits

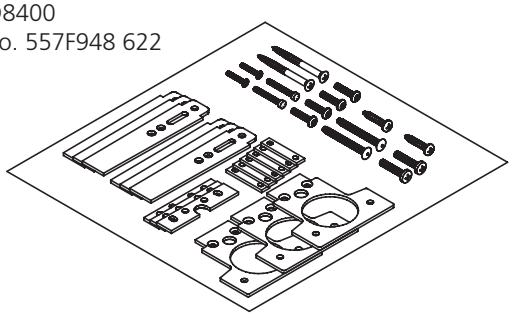
For ED8200 & ED8200B
Part No. 557F928 622



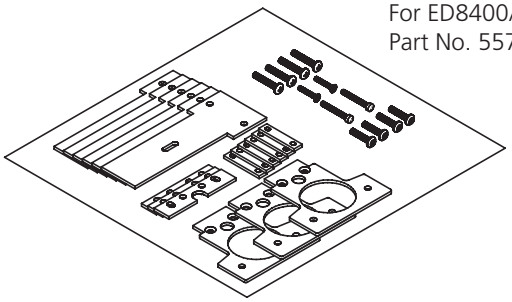
For ED8200A
Part No. 557F938 622



For ED8400
Part No. 557F948 622



For ED8400A
Part No. 557F958 622



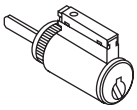
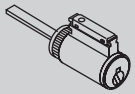
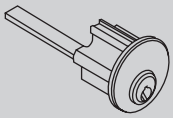
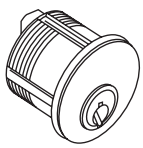
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Cylinders

ED8000 Series

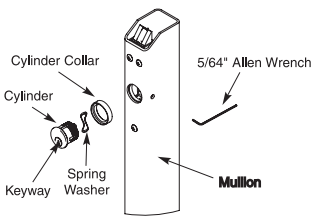
Cylinders

L4 keyway standard. To order with Exit Device, see Quick Codes, page 16. To order separately, specify Part No. x keyway x Finish (e.g., CR2000-033-7 x L4 x 626).

	Cylinder Type	Part No.	Description
Key-in-Lever for A6, N6 and PR6 trim		CR2000-033 CR2000-033-7 CR2010-033 CR2020-033 CR2027-033	6-pin 7-pin 6-pin, Security 7-pin, Pyramid High Security 7-pin, Pyramid Security
Key-in-Knob for G10 trim		CR2000-033H CR2010-033H CR2020-033H CR2027-033H	6-pin, horizontal tailpiece 6-pin, Security, horizontal tailpiece Pyramid High Security, horizontal tailpiece Pyramid Security, horizontal tailpiece
Interchangeable Core Optional for A6, N6, PR6 trim		CR8000 CR8000-7 CR8010 CR8020 CR8027	6-pin 7-pin 6-pin, Security 7-pin, Pyramid High Security 7-pin, Pyramid Security
Rim for all other trim		CR3000-200 CR3000-138 CR3000-200-7 CR3010-200 CR3080-178 CR3070-178 CR3070-178-7 CR3080-178-7 CR3090-178 CR3020-200 CR3027-200 CR3027-138 CR3030-178 CR3037-178 CR3037-114 CR3080-114 CR3070-114 CR3080-114-7 CR3070-114-7 CR3020-138 CR3030-114 CR3040-178 CR3040-178-7	6-pin 6-pin, horizontal tailpiece for exit alarm supplied when M61 or M62 is ordered 7-pin, horizontal tailpiece 6-pin, horizontal tailpiece, Security 6-pin, interchangeable core (IC) 6-pin, IC less core 7-pin, IC less core 7-pin, IC 6-pin, Security IC Pyramid High Security Pyramid Security Pyramid Security for M61, M62 7-pin Pyramid, IC High Security Pyramid Security IC Pyramid Security IC for M61,M62 6-pin, IC for exit alarm supplied when M61 or M62 is ordered 6-pin, IC less core for M61 or M62 7-pin, IC for M61 or M62 7-pin, IC less core for M61 or M62 7-pin Pyramid High Security, horizontal tailpiece for exit alarm supplied when M61 or M62 is ordered 7-pin Pyramid High Security, IC for exit alarm supplied when M61 or M62 is ordered 6-pin, SFIC with Less Core 7-pin, SFIC with Less Core
CR900 Series Key Removable Mullion Mortise Cylinders		CR1000-118-A62 CR1000-114-A62-7 CR1080-114-A62 CR1080-112-A62-7 CR1020-114-A62 CR1027-114-A62 CR1030-114-A62 CR1037-114-A62 CR1010-118-A62 CR1090-114-A62 CR1070-114-A62 CR1070-112-A62-7	6-Pin 7-Pin 6-Pin, IC 7-Pin, IC 7-pin, Pyramid High Security 7-pin, Pyramid Security 7-pin, Pyramid High Security IC 7-pin, Pyramid Security IC Security Security IC 6-pin, IC, less core 7-pin, IC, less core

CR900 Series Key Removable Mullion Cylinder Collar Packet

Mullion Series	Cylinder Length and Type			
	1-1/8"	1-1/4"	1-1/4" IC	1-1/2" IC
CR907BKM CR908BKM CR910KM	610F01*	447F43*		609F37*



Note: Cylinder collar packets contain a collar and spring washer.
****Specify finish when ordering packets.***

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Cylinders/Mullions

ED8000 Series

Compatibility with Competitive Cylinders (N6 and PR6 trims only)

Competitive Cylinder	Complete Trim	Tailpiece for Optional Cylinders
Schlage® conventional 21-002, 23-001 or 23-013	Specify M06	682F39-8 Tailpiece
Schlage Primus 20-548, 20-550, 20-748 or 20-750	Specify M06	682F39-8 Tailpiece
Best® style core, 6 or 7-pin	Specify M08	682F958 Tailpiece
Sargent® 13-3266	Specify M09	682F96-9 Tailpiece kit and Special Lever
Schlage IC Core	Specify M69	697F94-2 Tailpiece
IC 6-Pin	Specify C6	682F918 Tailpiece kit
IC 7-Pin	Specify C7	682F918 Tailpiece kit

For Assa and Medeco retrofit cylinders, consult those manufacturers' catalogs.

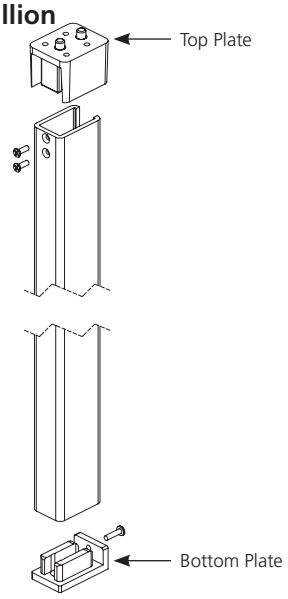
CR900 Series Removable Mullions

The CR900 series mullions are used to install two ED8200 Rim Exit Devices in a double door opening. They may be quickly and easily removed, then reinstalled, when a full double door opening is temporarily required. The CR900 series mullions meet ANSI A156.3, Type 22.

Materials and Finish

Steel mullion with malleable iron top and bottom plates; furnished with zinc plated fasteners for metal frames and concrete floors. May be cut, drilled and tapped in the field for Rim Exit Devices. CR900 series mullions are primed for painting, BHMA 600, red.

CR900 Mullion



CR900 Series Mullions - How to Order

Removable Mullions

UL Fire Rating[1]	Mullion Opening Height [2]	Catalog Number
Panic Only	Up to 7'0"	CR907
Panic Only	Up to 8'0"	CR908
Panic Only	Up to 10'0"	CR910
3-Hour	Up to 7'0"	CR907A
3-Hour	Up to 8'0"	CR908A

Key Removable Mullions

UL Fire Rating[1]	Mullion Opening Height[2]	Catalog Number
1-1/2 Hour	Up to 7'0"	CR907BKM[3]
1-1/2 Hour	Up to 8'0"	CR908BKM[3]
Panic Only	Up to 10'0"	CR910KM[3]

Notes:
1. UL label on mullion indicates listing.
2. May be field cut for doors.
3. Cylinder and collars not included, specify separately. See Cylinders on page 12.

CR900 Series Mullions - Options

M95- Spacer Block

Recommended for double rabbeted frames where the stop face width is less than the mounting hole spacing and also for door frames 5-3/4" (176mm) or less. To order with a mullion, specify M95. To order separately, specify Part No. 683F29-8.

M96- Angle Bracket

Recommended for any header configuration with less than 3" (76mm) of mounting surface. To order with a mullion, specify M96. To order separately, specify Part No. 655F63-8.

M57- Mullion Stabilizer Kit

Controls the movement of the mullion. Recommended for opening over 7' high, or whenever door movement must be minimized. To order with mullion, specify M57. To order separately, specify Part No. 653F11-1 x 695 or 628.

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Electrified Options

ED8000 Series

Exit Alarm

Optional on ED8200 and ED8200B devices; emits audible alarm, signaling emergency or unauthorized use of door. To order, specify option M61.

Exit Alarm With 20-Second Delay

Optional on ED8200 and ED8200B devices; permits controlled authorized entrance or egress. For authorized exit, turn inside key to OFF, then back to ON. This allows 20-second interval to exit without sounding alarm. To enter, use key outside. Alarm will not sound if door is closed within 20 seconds. To order, specify option M62.





Features

Solid state circuitry with adjustable sensitivity.

Volume
85db at 10 feet.

Light Emitting Diode (LED)
Indicates power on, alarm on, delay feature on.

No wiring required
Recommended power source: one 9-volt alkaline battery (not included). One additional battery may be used for extended alarm.

Tamper resistant design
Will not obstruct emergency exit; provides easy access for battery changes.

Size
3-7/8" (98mm) x 9-3/4" (248mm) x 2-5/8" (67mm). 1-3/4" (44mm), 2" (51mm) and 2-1/4" (57mm) door thickness; 2-3/4" (70mm) backset.

Door Size
Standard 36" (914mm) exit device fits 31" (787mm) - 36" (914mm) doors.
Optional: 30" (762mm) fits 28" (711mm) - 30" (762mm) doors; 42" (1067mm) fits 37" (940mm) - 42" (1067mm) doors; 48" (1219mm) fits 43" (1092mm) - 48" (1219mm) doors.

Non-handed

Warning decal
EMERGENCY EXIT ONLY– ALARM WILL SOUND. Applied in field; will not affect handing.

Inside cylinder
Rim. For keying options see page 16. To order cylinder separately, see page 12.

Keying
When alarm is ordered with exit device and outside trim, inside and outside cylinders will be keyed alike.

Trim
Available with all trims for ED8200 and ED8200B devices; see pages 9 and 10.

Retrofitting
To add standard alarm to existing device, order ED82AK x Finish.To add alarm with time delay to existing device, order ED82AK x M62 x Finish. To order time delay switch separately, specify 490F71 for all bar lengths.

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How to Order

ED8000 Series

Ordering Examples

Rim Exit Device

Quantity	Exit Device	Finish
20	ED8200	689

Removable Mullion

Quantity	Mullion
6	CR908A

Where to find ordering information and Quick Codes

Functions and Trims Rim and Vertical Rod	Pages 8-10
Removable Mullion	Pages 13
Finish	Page 16
Handing	Page 16
Cylinders and Keying	Page 16
Door Thickness	Page 17
Strike	Page 17
Door Width	Page 17
Door Height	Page 17
Miscellaneous Options	Page 17

Rim Exit Device with Trim

Quantity	Exit Device	Trim/ Function	Finish		Hand	Door Thickness	Door Width	Misc. Options
			Trim	Device				
65	ED8200A	A610ET	613ET	690	LHR	D200	W048	M58

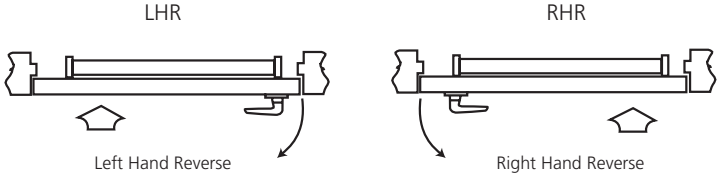
Vertical Rod Exit Device with Trim

Quantity	Exit Device	Trim/ Function	Finish		Hand	Door Thickness	Optional Strike	Door Width	Door Height	Misc. Options
			Trim	Device						
28	ED8400	N655ET	626ET	689	RHR	D214	S03	W048	H1000	M54

Contract/Detailed Order - Rim Exit Device with Trim

Quantity	Keyset	Exit Device	Trim/ Function	Finish		Hand	Door Thickness	Door Width	Misc. Options	Optional Cylinder	Keying
				Trim	Device						
32	AA1	ED8200	P857ET	626ET	689	LHR	D200	W048	M54	C6	VKC3

Handing



Note: Arrow ( ) indicates secure side of door.

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Quick Codes

ED8000 Series

Cylinders and Keying

Description	Specify
Conventional 6-pin	6P
Conventional 7-pin	7P
IC 6-pin[3]	C6
IC 7-pin[3]	C7
Pyramid High Security fixed core	PHS
Pyramid Security fixed core	PS
Pyramid High Security IC[3]	PCHS
Pyramid Security IC[3]	PCS
Security	HS
Security IC[3]	CHS
IC 6-pin less core[3]	CL6
IC 7-pin less core[3]	CL7
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC[3]	ACP
Access 3® Security IC[3]	ACS
Access 3® High Security IC[3]	ACHS
Pyramid IC with temporary construction core[3]	CTP
Pyramid IC with temporary disposable core[3]	CTPD
Pyramid IC less core[3]	CLP
IC 6-pin with temporary construction core (Red)[3]	CT6R
IC 6-pin with temporary construction core (Blue)[3]	CT6B
IC 6-pin with temporary construction core (Green)[3]	CT6G
IC 6-pin with temporary construction core[3]	CT6
IC 6-Pin with temporary disposable core[3]	CT6D
SFIC 6-pin with Less Core[3] (Rim Cylinder Only)	CLS6
SFIC 6-pin with SFIC disposable temporary core[3] (Rim Cylinder Only)	CT6SD
IC 7-pin with temporary construction core (Red)[3]	CT7R
IC 7-pin with temporary construction core (Blue)[3]	CT7B
IC 7-pin with temporary construction core (Green)[3]	CT7G
IC 7-pin with temporary construction core[3]	CT7
IC 7-Pin with temporary disposable core[3]	CT7D
SFIC 7-pin with Less Core[3] (Rim Cylinder Only)	CLS7
SFIC 7-pin with SFIC disposable temporary core[3] (Rim Cylinder Only)	CT7SD
0-Bitted with 2 blank keys	(standard)
Keyed random	KR
Master Keyed (all cylinders except (8000, 8020, 8027 IC core)	specify keyset
Master Keyed Pyramid	specify keyset

Cylinders and Keying (cont.)

Description	Specify
Master Keyed Security (including IC cylinder and core)	specify keyset
Master Keyed 8000, 8020, 8027 IC core	specify keyset
Master Keyed to customer bittings or sample key	specify keyset
Construction master keyed[1]	CMK
Visual key control (VKC)	
- No Stamping	VKC0
- Keys only	VKC1
- Cylinders and Keys[2]	VKC2
- Cylinders only[2]	VKC3
Concealed key control (CKC)	
- CKC cylinders with VKC keys	CKC2
- CKC cylinders only[2]	CKC3

Notes:
1. CMK construction master keying is not available in Pyramid or Security Series.
2. VKC2, VKC3, CKC3 are not available in Pyramid or Security series.
3. Not available for G10 trim.

Handing

Hand	Specify
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Finishes

Description		Specify
US3	Bright Brass	605
US4	Satin Brass	606
US9	Bright Bronze	611
US10	Satin Bronze	612
US10B	Dark Oxidized Satin Bronze, oil rubbed	613
US14	Bright Nickel Plated	618
US15	Satin Nickel Plated	619
US19	Flat Black Coated	622
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626
	Satin Chromium Plated with MicroShield®*	626C
	Silver Aluminum Painted	689
	Dark Bronze Painted	690
	Light Bronze Painted	691
	Black oxidized bronze,oil rubbed	722

*G10, A6, N6 & PR6 trims are available with MicroShield®.

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Quick Codes

ED8000 Series

Door Thickness

Door	Specify
1-3/8" (35mm)*	D138
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

*G10, A6, N6, PR6 series trims only.

Door Width

Door	Specify
30" (762mm)	W030
36" (914mm)	(standard)
42" (1067mm)	W042
48" (1219mm)	W048

Door Height

Door	Specify
7'6" (2.29m) (ED8400 devices)	(standard)
8'0" (2.44m) (ED8400A devices)	(standard)
10'0" (3.05m) (ED8400 devices only)	H1000

Strike

Description	Specify
Rim	
Rim x vertical rod	S02
Vertical Rod	
Flush bottom (ED8400 devices only)	S03

Miscellaneous Options

Description	Specify
Less cylinder, with tailpiece for Schlage® cylinder	M06
Lever to accept Best® type core (N6 and PR6 trims only)	M08
Lever to accept Sargent® cylinder (N6 and PR6 trims only)	M09
Lever to accept *Schlage* IC core	M69
Knurling outside only (trim side)	M21
Abrasive coat outside and inside (trim and device)	M23
Abrasive coat inside only (device side)	M24
Abrasive coat outside only (trim side)	M25
Less dogging	M51
Sex nuts and bolts (SNBs)[1]	M54
Mullion stabilizer kit	M57
Shim kit (for vision light)	M58
Shim for 2-3/4" (70mm) backset on doors with 1/2" (13mm) stop (rim devices only)	M59
Exit alarm (rim devices only)	M61
Exit alarm with delay (rim devices only)	M62

1. Not available with D138 option.

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Helpful Terms

ED8000 Series

Abrasive Coat
Hard granular material applied to provide a non-slip tactile surface for the visually impaired.

Active Door
In a pair of doors, the door that is operable from the trim side.

Astragal
A vertical member applied to one or both sides of a pair of doors at the meeting edges. The astragal closes the gap between the two doors.

Coordinator
A device used on a pair of doors to ensure that the inactive door closes before the active door.

Deadlocking Latch
A supplemental latch that automatically deadlocks the latchbolt when pressure is applied to it.

Dogging
A mechanism that allows the latchbolt to remain retracted, permitting the door to operate as if it were a push-pull; it cannot be used on fire-rated exit devices.

Double Egress
A pair of doors of the same hand that swing in opposite directions, commonly found in corridors.

Dummy Trim
Trim only. Usually used on the inactive door of a pair of doors for design balance.

Exit Device (Panic Hardware)
A door locking device with a pushpad or crossbar which, when pressed, allows instant exit (egress).

Fire Exit Hardware
An exit device listed by an independent testing laboratory as meeting panic, fire and hose stream test standards; used on fire-rated openings.

Hand
The direction a door swings.

Inactive Door
In a pair of doors, the door that is inoperable from the trim side.

Latchbolt
A lock component that has a beveled end and projects into a strike, holding the door in a closed position.

Mullion
A fixed or removable vertical member that divides a door opening and provides a latch surface for a pair of rim exit devices.

Narrow Stile Door
Usually a door having a stile less than 2-3/4" (70mm) wide, commonly seen on aluminum or glass front applications.

Shim Kit
Pieces of metal that permit mounting of an exit device on a door that has a surface projecting vision light (glass bead) moulding.

Split Astragal
An astragal that is split through the middle on a pair of doors, allowing both doors to operate independently.

Threshold
A strip fastened to the floor beneath a door. It serves as a stop, prevents heat loss, and provides a strike location for latching the bottom rod of a vertical rod exit device.

Trim
A knob, lever, pull, or thumbpiece used on the outside of an exit device door to control access to an area.

Universal Exit Device
An exit device that may be used on doors of either hand without any modifications.

Keying and Cylinder Terms

Concealed Key Control (CKC)
The marking of standard key symbols on a cylinder in a location which is not visible once the cylinder installed.

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How to Specify

ED8000 Series

Suggested Specification

All exit devices shall be ED8000 Series Pushpad Exit Devices as manufactured by Corbin Russwin Architectural Hardware.

The maximum exit device projection shall be 2-1/2" (64mm). The exit device bar shall be constructed of heavy wrought steel. The pushpad shall be constructed of wrought steel; scalped pushpads or pushpads with plastic or Lexan coatings shall not be acceptable. The pushpad shall cover the entire length of the devices. Pushpads which cover less than the entire length of the device shall not be acceptable. Nylon bearings and stainless steel springs shall be used for long life and durability; only torsion springs are acceptable. All device covers shall be of aluminum; plastic or metal stamping shall not be acceptable. Mounting screws shall be concealed to deter tampering. All ferrous parts shall be zinc coated to prevent rusting.

Single point, one quarter turn hex key dogging shall be standard on non-fire-rated devices.

All devices shall be listed by Underwriters Laboratories for safety as panic hardware. Fire rated devices shall be UL/C-UL listed for A label and lesser class doors, 4' x 8' single and 8' x 8' pair. The model number shall be located on the end cap; devices having the model number located other than on the end cap shall not be acceptable.

On trims with cylinders, the locking and unlocking of the trim shall be housed in the trim and not in the active head of the device. Trim shall be throughbolted and fasteners shall be concealed.

All trims shall be furnished in architectural finishes and shall match the trims and finishes on corresponding locksets.

Certification:
ANSI A156.3, Grade 1

All devices, trims and cylinders shall be from one manufacturer.

All devices and trims shall carry a one-year limited warranty.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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For additional information, contact your ASSA ABLOY Door Security Solutions sales consultant or visit **www.corbinrusswin.com.**

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MicroShield™

MicroShield®
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Corbin Russwin

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Access 3®

Cylinders and Keys



ASSA ABLOY, the global leader in door opening solutions

Specifications & Features

Access 3®

Features of the *Access 3* Key System

	AP	AS	AHS
Utility patented until 2027	X	X	X
Key blank distribution restrictions	X	X	X
Geographic exclusivity		X	X
Bump resistant	X	X	X
Common style pins	X		
Unique angled bottom pins		X	X
Convenient, simple to service	X	X	X
New keyway family and keying specifications from previous Corbin Russwin systems	X	X	X
Can be masterkeyed with all *Access 3* levels	X	X	X
Certified to UL437			X

Product Specifications

All cylinders shall be utility patented, bump resistant and require the use of a patented key. All cylinders shall be available in any of the mortise, rim, key-in-knob/lever, auxiliary locks, padlocks or large format interchangeable core types.

Access 3 offers three distinct security options from which facilities can select the appropriate level of security for any door. *Access 3*'s one key design allows the use of all three locking mechanisms within the same system to be operated with just one key. *Access 3* provides the ultimate in key control by simplifying ordering processes and by allowing the system administrator to determine the level of protection for system components. Additional specifications are found on page 19.

Three levels of security.

Access 3 AP provides a utility patented keyway that protects against unauthorized key duplication until the year 2027 and is constructed to guard against bumping.

Access 3 AS consists of AP's utility patented keyway plus a sidebar and specially designed pins that increases the cylinders security and guards against attempts to be bumped or picked.

Access 3 AHS incorporates all the security features of AP and AS and is also specially constructed to guard against physical attack including drilling. It is certified to UL437.

Keying Specification

Keying

- *Access 3* is a factory based key system
- 6 pin cylinders furnished with two nickel silver keys per cylinder. *Access 3* cylinders may be furnished uncombinated, master keyed, or grandmaster keyed to a specific facility. Double cylinder lock sets keyed alike on both sides will get two change keys total.
- Each level of *Access 3* security (AP, AS, AHS) can be operated with just one key design.
- *Access 3* systems are independent and cannot be keyed into existing and/or conventional Corbin Russwin master key systems
- Cross keying is not recommended. Key Systems Administration will review all requests and determine if compatible with a secured master key system

UL 437 Listed

Access 3 AHS cylinders are UL437 Listed. UL437 sets the standard for both drilling and picking resistances.

AHS cylinders are manufactured to include hardened drill resistant inserts in both the plug/barrel and body.

UL437 High Security cylinders are recommended for doors most likely to be physically assaulted, while the use of AP and AS cylinders are more advantageous and less costly for interior doors.

Patents

Patent pending and/or patent www.assaabloydss.com/patents. *Access 3* offers patent protection through 2027.

Product Certifications

ANSI/BHMA A156.5 Grade 1 BHMA CERTIFIED
E09211 (Mortise)
E09221 (Rim)
E09231 (Cylindrical Lock Cylinders)

Applications

Access 3 is recommended for installations requiring patented key control protection including picking and/or drilling, in one locking system. *Access 3* is ideally suited for Educational and Healthcare facilities, Industrial and Commercial buildings.

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Introduction

Access 3®

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The *Access 3* Key System

The patented *Access 3* system from Corbin Russwin provides the right level of security for each opening in a facility. Three levels of ANSI/BHMA Grade 1 protection, from patented keyway to UL437 certified, secures every opening. A common key for all three levels of security enhances key control and simplifies administrative procedures. Key blanks are controlled through authorized distribution and geographical protection is available. Available for mortise, rim, component and Large Format Interchangeable Core (LFIC) cylinders, Corbin Russwin offers the right level of access for every door in your facility.

Benefits

- Patent protection from unauthorized key duplication through 2027
- New keyway family protects system integrity from legacy systems
- Keys are significantly stronger than competitive systems
- User-friendly design with minimal components provides easy field service
- Availability in all existing Corbin Russwin cylinder types provides cost-effective upgrade for Corbin Russwin facilities
- Bump resistance for added protection

***Access 3* - AP** The first level of protection features a utility patented keyway and provides protection against bumping for mortise, rim and component fixed core cylinders. These cylinders easily retrofit into existing hardware and are appropriate for most applications. Keys for AP can only open AP cylinders.

***Access 3* - AS** This level builds on the utility patented keyway of AP and adds patented side bar locking with unique angled bottom pins that provide end users with geographical exclusivity. Cylinders provide protection against bumping and picking. Because of its superior key control and patent protection until 2027, AS cylinders are recommended for use in conjunction with AHS for new installations or when retrofitting systems.

***Access 3* - AHS** The highest level of security for the Access 3 key system. AHS combines utility patented keyway, side bar locking with unique angled bottom pins that provide end users with geographical exclusivity, and adds certification to UL437. AHS cylinders are classified as high security because of their superior resistance to physical attack and protection against unauthorized key duplication. Because of its superior key control, patent protection until 2027, and physical strength, we recommend AHS cylinders for new high- security installations or when retrofitting systems. Corbin Russwin also offers anti-vandal and high security locksets that complement AHS cylinders for those openings most vulnerable to attack.

IMPORTANT: Corbin Russwin AP key systems are available with 7 depths of cut while AS and AHS are only available with 6 depths of cut. AP systems can utilize all 7 depths in system design as a way of increasing overall key system size only if not integrated with AS and/or AHS systems. If AP patent protection is the only requirement in the key system and there is no expectation of combining with AS or AHS levels of security, then all 7 depths are available for use. If AP is to be combined with AS and/or AHS only 6 depths of cut are available.

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System Administration

Access 3®

Access 3 System Administration

All Corbin Russwin *Access 3* key systems must have a signed System Information Document (SID), located in the back of this catalog and available online, for each facility. The SID designates a primary systems administrator for the facility. Unless otherwise indicated by the primary systems administrator by way of a separate specific letter of authorization, all shipments for *Access 3* product will go to the shipping address on the Systems Information Document.

All key blanks are to remain in the possession of the facility and must be accounted for. Any factory defect or incorrectly cut keys must be returned to the factory. All damaged or incorrectly field cut keys must be destroyed.

For AS and AHS, specific randomized security codes will be required for each order unless the systems administrator opts out of this feature. For more information, see the Systems Information Document.

Keyway Administration and Assignment

All keyways will be noted on the master key system bitting list. Corbin Russwin Key System Administration will assign all *Access 3* keyways. Keyways will be assigned according to facility type, geographic location and keying system specifications. Unless otherwise authorized, all keys will ship directly to the end user. All master key systems will be registered with Key Systems Administration and all bittings will be factory created.

The first order for any new Access 3 key system must be designed by Corbin Russwin Key Systems Administration and must be pinned at the factory. Subsequent orders for new cylinders may be ordered uncombinated (except AHS- High Security) and pinned in the field to existing keysets developed by Key Systems Administration.

Key Control

Key control will be maintained by complying with the Corbin Russwin Security Policy. For a copy, contact Key System Administration or visit our web site at www.corbinrusswin.com. System information and/or systems-related product will be forwarded directly to the owner, unless otherwise indicated by the owner's appointed administrator.

Authorized Distributors

Corbin Russwin *Access 3* is a system based product and is provided through authorized distribution. An authorized distributor may stock and service products upon specific written authorization from the primary system administrator of the facility. Authorized distributors who carry inventory for a specific facility's system must provide valid receipts and disbursements of all products, specifically key blanks/cut keys. All key blanks in the possession of an authorized distributor must be accounted for. Any defective, incorrectly cut or damaged key blanks must be destroyed. Refer to pages 20-21 for a copy of the SID and more information.

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Quick Codes and Numbering Scheme Overview

Access 3®

Access 3 Quick Codes

AP	Patented Keyway
AS	Security Cylinder
AHS	High Security UL437
ACP	Patented Keyway - Interchangeable Core
ACS	Security - Interchangeable Core
ACHS	High Security UL437 - Interchangeable Core

Access 3 Keying Options Quick Codes

CMK**	Construction master keyed
UC***	Uncombinated

**CMK is not available with hotel function cylinders or large format interchangeable cores. If construction master keying is required for LFIC, specify temporary construction cores CTAHD or CT6AHR/B/G.
***UC is not available with AHS cylinders

Access 3 Temporary Core Options Quick Codes

CT6R	IC 6-pin temporary core - Red (AP and AS)
CT6B	IC 6-pin temporary core - Blue (AP and AS)
CT6G	IC 6-pin temporary core - Green (AP and AS)
CTD	IC 6-pin disposable core (AP and AS)
CL6	IC 6-pin less core (AP and AS)
CT6AHR*	IC 6-pin temporary core - Red (AHS only)
CT6AHB*	IC 6-pin temporary core - Blue (AHS only)
CT6AHG*	IC 6-pin temporary core - Green (AHS only)
CTAHD*	IC 6-pin disposable core (AHS only)
CL6AH*	IC 6-pin less core (AHS only)

* Not available for cylindrical locks, DL2200/DL3200 Dead Bolts and A6/N6/PR6 Exit Trims.

How to Order *Access 3* Cylinders

15		0	0	—	114	—	A01	—	6	—	CRA1	—	x Finish
Cylinder Type		Mechanism	Function		Length		Cams		Pins		Keyway		

Mortise	AP	1	5
	AS	1	6
	AHS	1	7
KIK/KIL	AP	2	5
	AS	2	6
	AHS	2	7
Competitor K/L	AP	2	3
	AS	2	8
	AHS	2	9
Rim	AP	3	5
	AS	3	6
	AHS	3	7
IC core	AP	8	5
	AS	8	6
	AHS	8	7

0	Standard
1	Hotel
8	UL Housing

Mortise Cylinder	
114	1-1/4" (32mm)
138	1-3/8" (35mm)
112	1-1/2" (38mm)
134	1-3/4" (44mm)

A01	
A02	
A03	
A04	
A05	
A06	
A07	
A62	
A92	

CRA1	
CRA2	
CRB1	
CRB2	
CRC1	
CRC2	
CRD1	
CRD2	

0	Standard
7	LFIC Housing
8	IC Complete Cylinder (LFIC)

Description	Specify
Bright Brass	605
Satin Brass	606
Bright Bronze	611
Satin Bronze	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze – Equivalent	613E
Bright Nickel Plated	618
Satin Nickel Plated	619
Flat Black Coated	622
Bright Chromium Plated	625
Satin Chromium Plated	626
Bright Stainless Steel	629
Satin Stainless Steel	630
Black Oxidized Bronze, Oil Rubbed	722
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

***Access 3* Designations**
AP Patented Keyway
AS Security Cylinder
AHS High Security Cylinder

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Mortise Cylinders

Access 3®

Mortise Cylinders

For use with the following products:

- ML2000 Series mortise locks (including electrified and EAC devices)
- DL3000 and DL4100 deadlocks
- ED5600, ED6600 and ED7600 exit devices
- All ED5000 cylinder dogging, alarm units, delayed egress cylinders

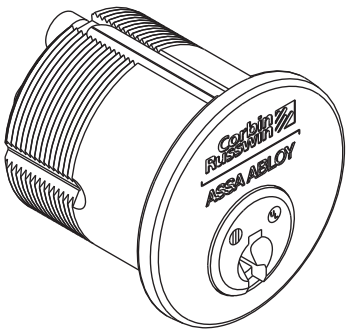
Access 3 Mortise Cylinders supplied with:

- Solid brass, 6 pin cylinder, 1-5/32" (29mm) diameter
- New keyway family - see page 15 for available keyways.

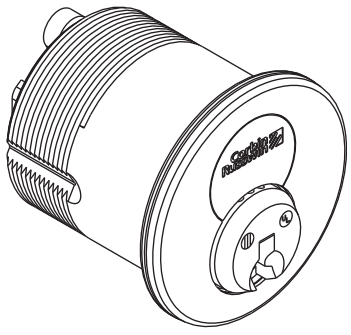
Mortise Cylinders

Type	Length	Cam	Finish
Fixed Core: 1500 - AP Type 1501 - AP Type Hotel 1600 - AS Type 1601 - AS Type Hotel 1700 - AHS Type 1701 - AHS Type Hotel Interchangeable Core: 1580 - AP Type 1680 - AS Type 1788 - AHS Type 1078 - UL 6-Pin Housing	114 - 1-1/4" (32mm) 138 - 1-3/8" (35mm) 112 - 1-1/2" (38mm 134 - 1-3/4" (44mm)	A01 - Steel case mortise locks except classroom and institutional privacy functions. Deadbolt functions of green cast iron case mortise locks. NOT for master ring mortise cylinders. A02 - Steel case mortise lock classroom (55), inside of vestibule (42) and institutional privacy (69) functions. Most exit device trims. NOT for master ring mortise cylinders. A03 - DL3000 Series Cylindrical Deadlocks only. A04 - DL4000 Series Mortise Deadlocks only. A05 - 4070 Series Deadlocks A06 - Schlage® L9000 Series (Cloverleaf only) A07 - DL4100 Series A62 - Mortise Series Master Ring classroom (55) function and inside of vestibule (42) function mortise locksets. 900 Series Mullion, WS700 Series Mullion (Both KRM) A92 - Concealed vertical rod exit device outside grip handle operators 01 and 02.	605 - Bright Brass 606 - Satin Brass 611 - Bright Bronze 612 - Satin Bronze 613 - Dark Oxidized Satin Bronze - oil rubbed 613E - Dark Oxidized Satin Bronze – equivalent 618 - Bright Nickel Plated 619 - Satin Nickel Plated 622 - Flat Black Coated 625 - Bright Chromium Plated 626 - Satin Chromium Plated 629 - Bright Stainless Steel 630 - Satin Stainless Steel 722 - Black oxidized bronze, oil rubbed BSP - Black Suede Powder Coat WSP - White Suede Powder Coat

Note: All plugs and shells for LFIC cylinders are provided in 606 or 626. Housings are provided in the finish of the lock hardware order.



Mortise Fixed Core



Mortise Interchangeable Core

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How to Order Examples

Access 3 Fixed Core Mortise Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Length	Cam	Keyway	Finish
50	AA1	1500	114	A01	CRA1	626

Access 3 Fixed Core Mortise Cylinder Ordered with a Mortise Lock

Quantity	Keyset	Series/Function	Trim	Keyway	Finish	Hand	*Access 3* Quick Code
50	AA1	ML2051	LSA	CRA1	626	RHR	AP, AS or AHS

Access 3 Interchangeable Core Mortise Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Length	Cam	Keyway	Finish	Collar *
50	AA1	1580	114	A01	CRA1	626	610F02

Access 3 Interchangeable Core Cylinder Ordered with a Mortise Lock

Quantity	Keyset	Series/Function	Trim	Keyway	Finish	Hand	*Access 3* Quick Code
50	AA1	ML2051	LSA	CRA1	626	RHR	ACP, ACS, ACHS

Access 3 Interchangeable Temporary Core Cylinders Ordered with a Mortise Lock

Quantity	Keyset	Series/Function	Trim	Finish	Hand	*Access 3* Quick Code**
50	AA1	ML2051	LSA	626	RHR	CT6AHR

Access 3 Interchangeable Core Mortise Housings Only

Quantity	Housing	Length	Cam	Finish
50	1070 (AP & AS), 1078 (AHS)	114	A01	626

*See page 14 for collar quick codes.

**See page 5 for Temporary Core Options Quick Codes

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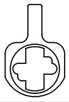
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Cams for Mortise Cylinders

Access 3®

Cams for current products or models

Cam	Type	Part Number	Brand	Model/Description
	A01	756F50	Corbin Russwin	Steel case mortise locks except classroom and institutional privacy functions. Deadbolt functions of green cast iron case mortise locks. NOT for master ring mortise cylinders.
			Arrow®, Marks 5000, PDQ	All mortise functions using Cloverleaf cam.
	A02	756F51	Corbin Russwin	Steel case mortise lock classroom (55), inside of vestibule (42) and institutional privacy (69) functions. Most exit device trims. NOT for master ring mortise cylinders.
			Baldwin	All mortise locks.
			R. R. Brink	All except CKS.
			Marks	7000, 9000 and most brands of older black cast iron locks.
	A03	756F52	Corbin Russwin	DL3000 Series Cylindrical Deadlocks only.
			Adams Rite®	1800 Series, 4015 Deadlocks; 4500 and 4700 Series Latch Locks.
			Lori	4500, 4600 Series Deadlocks.
	A04	756F53	Corbin Russwin	DL4000 Series Mortise Deadlocks only.
	A05	756F54	Adams Rite®	4070 Series Deadlocks.
			R. R. Brink	"CKS" Control Key Switch.
	A06	756F55	Schlage®	L9000 Series (Cloverleaf only).
	A07	756F56	Corbin Russwin	DL4100 Series Deadlocks
	A62	756F58	Corbin Russwin	Mortise Series Master Ring classroom (55) function and inside of vestibule (42) function mortise locksets. 900 Series Mullion, WS700 Series Mullion (Both KRM)
			DORMA	Mortise Locks
	A92	756F62	Corbin Russwin	Concealed vertical rod exit device outside grip handle operators 01 and 02.

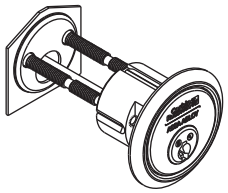
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Rim Cylinders

Access 3®

Rim Cylinders

For use with Exit Devices and Auxiliary Locking Devices



Access 3 Rim Cylinders supplied with:

- Solid brass, 6 pin cylinder, 1-5/32" (29mm) diameter
- New keyway family - see page 15 for available keyways.
- Surface mounted collar 422F88 furnished when cylinders are ordered with locking devices.
- Supplied with back plate and 2 breakaway screws.

Rim Cylinders

Type	Length	Part Number	Availability		Finish
			FC	IC	
Fixed Core: 3500 - AP Type 3600 - AS Type 3700 - AHS Type Interchangeable Core: 3580 - AP Type 3680 - AS Type 3780 - AHS Type 3078 - UL 6-Pin Housing	058-5/8" (16mm) tailpiece	655F008 (FC) 655F018 (IC)	X	X	605 - Bright Brass 606 - Satin Brass 611 - Bright Bronze 612 - Satin Bronze 613 - Dark Oxidized Satin Bronze - oil rubbed 613E - Dark Oxidized Satin Bronze – equivalent 618 - Bright Nickel Plated 619 - Satin Nickel Plated 622 - Flat Black Coated 625 - Bright Chromium Plated 626 - Satin Chromium Plated 629 - Bright Stainless Steel 630 - Satin Stainless Steel 722 - Black oxidized bronze, oil rubbed BSP - Black Suede Powder Coat WSP - White Suede Powder Coat
	114 - 1-1/4" (32mm) M61 & M62 option for ED8200 and ED9200 exit device alarms	582F298		X	
	138 - 1-3/8" (35mm) M61 & M62 option for ED8200 and Obsolete ED9200 exit device alarms; for ED5202(S)(A) inside cylinder	490F558	X		
	178 - 1-7/8" tailpiece (48mm) (Std. Door)	253F858		X	
	178V - 1-7/8" (48mm) vertical tailpiece	483F098		X	
	200 - 2" (51mm) tailpiece	253F768	X		
	200N - 2" (51mm) tailpiece ED4000/ED5000 Night Latch Function	253F768	X		
	200V - 2" (51mm) vertical tailpiece	413F488	X		
	312 - 3-1/2" (89mm) tailpiece	253F778	X		
	312V - 3-1/2" (89mm) vertical tailpiece	413F498	X		
	318 - 3-1/8" (79mm) tailpiece	284F138		X	

Note: All plugs and shells for LFIC cylinders are provided in 606 or 626. Housings are provided in the finish of the lock hardware order.

How to Order Examples

Access 3 Fixed Core Rim Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Length	Keyway	Finish
50	AA1	3500 , 3600 or 3700	200	CRA1	626

Access 3 Fixed Core Rim Cylinder Ordered with an Exit Device

Quantity	Keyset	Series/Function	Trim	Keyway	Finish	Hand	*Access 3* Quick Code
50	AA1	ED5200	L955	CRA1	630	RHR	AP, AS or AHS

Access 3 Interchangeable Core Rim Cylinder ordered Separately

Quantity	Keyset	Cylinder	Length	Keyway	Finish
50	AA1	3580, 3680 or 3788	178	CRA1	626

Access 3 Interchangeable Core Rim Cylinder Ordered with an Exit Device

Quantity	Keyset	Series/Function	Trim	Keyway	Finish	Hand	*Access 3* Quick Code
50	AA1	ED5200	L955	CRA1	630	RHR	ACP, ACS, ACHS

Access 3 Interchangeable Temporary Core Cylinders Ordered with an Exit Device

Quantity	Keyset	Series/Function	Trim	Finish	Hand	*Access 3* Quick Code**
50	AA1	ED5200	L955	626	RHR	CT6AHR, CT6AHB or CT6AHG

Access 3 Interchangeable Core Rim Housings Only

Quantity	Keyset	Housing	Length	Finish
50	AA1	3070 or 3078	178	626

**See page 5 for Temporary Core Options Quick Codes

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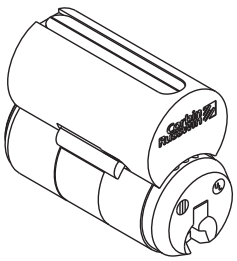
Corbin Russwin
ASSA ABLOY

Large Format Interchangeable Core Cylinders

Access 3®

Interchangeable Core

For use with Corbin Russwin's 6-pin Interchangeable Core housings & shells.*



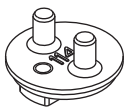
*8700 core must be used with 1078 or 3078 housings to maintain UL437 listing

Type	Finish
8500 - AP Type 8600 - AS Type 8700 - AHS Type	606 and 626 only

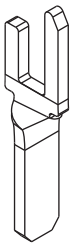
Note: All plugs and shells for LFIC cylinders are provided in 606 or 626. Mortise and rim housings are provided in the finish of the lock hardware order

Driver Assemblies

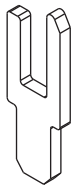
For use with LFIC cores



LFIC



CL3300



CL3100

Part No.	Driver Type
631F188	Driver, LFIC (114)
631F198	Driver, LFIC (138)
631F208	Driver, LFIC (112)
631F215	Driver S/A LFIC (134)
631F238	Driver, CL3300 Series
631F258	Driver, CL3100 Series

How to Order Examples

AS Security Interchangeable Core Ordered Separately

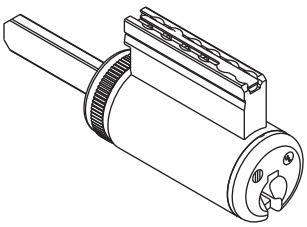
Quantity	Keyset	Cylinder	Keyway	Finish
50	AA1	8600	CRA1	606

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Component Cylinders for Cylindrical Locks

Access 3®

For use with all Corbin Russwin lever and knob cylindrical locks.



Access 3 Fixed Core Component Cylinder for Corbin Russwin's Products

Type	Tailpiece	Lockset	Part Number	Finish
2500 - AP Type 2600 - AS Type 2700 - AHS Type	031	CL3100 Series Vandal Resistant	778F778	606 - Satin Brass 626 - Satin Chrome
	031H	CK4300 Knob	778F778	
	033	CL3300, CL3500, CL3600 (June 2000 and after), CL3800, Lever Trim - A6/N6/PR6	622F308	
	033H	G10 Exit Device Knob Trim	622F308	
	037	CL3700 Lever, CK4700 Knob	682F298	
	039	CL3900	680F608	
	039L	CL3900 Lever (2" and 2-1/4" Thick Door)	671F068	
	044	CK4400	N/A	
	052	CK4200/UT5200	None	
2501 - AP Type 2601 - AS Type 2701 - AHS Type	031	CL3100 Series Vandal Resistant	778F778	
	034	CL3300	622F308	

Access 3 Fixed Core Component Cylinder for Other Manufacturer's Products

Type	Tailpiece	Lockset	Finish
2300 - AP Type 2800 - AS Type 2900 - AHS Type	001-C21	Schlage D Series Lever Arrow H Series Knobs and Levers Sargent 10 Line[1]	606 - Satin Brass 626 - Satin Chrome
	001-C22	Schlage AL and ND Series Levers	
	002-C21	Schlage D Series Knobs	
	002-C22	Schlage A Series Knobs (Ply, etc.)	
	002-C23	Sclage A Series Knobs (ORB only)	

1 SARGENT lock order must include 30- prefix.

How to Order Examples

Access 3 Fixed Core Component Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Tailpiece	Keyway	Finish
50	AA1	2500	033	CRA1	626
50	AA1	2300	001-C21	CRA1	626

Access 3 Fixed Core Component Cylinder With Lockset

Quantity	Keyset	Series/Function	Trim	Keyway	Finish	Quick Code
50	AA1	CL3357	PZD	CRA1	626	AP, AS or AHS

Access 3 Interchangeable Core Cylinder Ordered With Lockset

Quantity	Keyset	Series/Function	Trim	Keyway	Finish	Quick Code
50	AA1	CL3357	PZD	CRA1	626	ACP, ACS, ACHS

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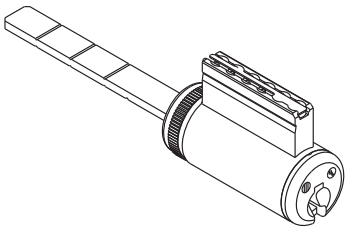
Corbin Russwin
ASSA ABLOY

Cylinders for Deadlocks and Padlocks

Access 3®

Deadlocks - DL2200/DL3200 Fixed Core Cylinders

Cylinder Type	Tailpiece	Deadbolt Function	Keyway	Finish
4500 - AP Type 4600 - AS Type 4700 - AHS Type	134-A51	11, 13, 17	CRA1	606 - Satin Brass 626 - Satin Chrome Plated
	134-A52	12 (for 1-3/8" & 1-3/4" Door)		
	214-A52	12 (for 2" & 2-1/4" Door)		



How to Order Examples

Access 3 Fixed Core Cylinder for DL2200/DL3200 Ordered Separately

Quantity	Keyset	Cylinder	Tailpiece	Keyway	Finish
50	AA1	4500	134-A51	CRA1	606

Deadlock with *Access 3* Fixed Core Cylinder

Quantity	Keyset	Series/Function	Keyway	Finish	Quick Code
50	AA1	DL2213	CRA1	626	AP, AS or AHS
50	AA1	DL3213	CRA1	626	AP, AS or AHS
50	AA1	DL4113	CRA1	626	AP, AS or AHS

Deadlock with *Access 3* Interchangeable Core Cylinder

Quantity	Keyset	Series/Function	Keyway	Finish	Quick Code
50	AA1	DL2213	CRA1	626	ACP, ACS or ACHS
50	AA1	DL3213	CRA1	626	ACP, ACS or ACHS
50	AA1	DL4113	CRA1	626	ACP, ACS or ACHS

Deadlock with Mortise UL IC 6-Pin Housing

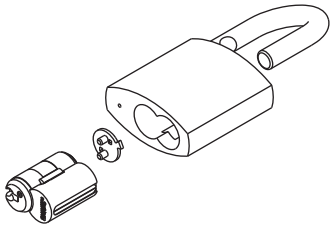
Quantity	Keyset	Series/Function	Keyway	Finish	Quick Code
50	AA1	DL3213	CRA1	626	CT6AH (R/B/G), CTAHD OR CL6AH
50	AA1	DL4113	CRA1	626	CT6AH (R/B/G), CTAHD OR CL6AH

Cylinders must be ordered separately for DL3000 and DL4100 Series deadlock cylinders, see page 6.

Padlocks - Interchangeable Core Cylinders

Cylinder Type	Shackle	Keyway	Finish
8500 - AP Type 8600 - AS Type 8700 - AHS Type	7/8", 2-3/8"	CRA1	606 - Satin Brass

Fixed core cylinders not available.



How to Order Example

Padlock with *Access 3* Interchangeable Core Cylinder

Quantity	Keyset	Series/Function	Keyway	Shackle Length	Finish	Cylinder
50	AA1	PL5070	CRA1	7/8"	606	ACP, ACS or ACHS
50	AA1	PL5170	CRA1		606	ACP, ACS or ACHS
50	AA1	PL5270	CRA1		606	ACP, ACS or ACHS

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PK-30-AP Pinning Kit

The PK-30-AP Kit is used to pin AP fixed and LFIC cylinders. The heavy duty steel kit prevents pins from mixing.
The kit includes:

- 100 each of bottom pins sizes 0-6
- 100 each of build up pins 1-12
- 100 each of master pins sizes 1-6
- 100 each of top pins sizes 1-10
- 100 each of bump resistant pins sizes 4-10
- 100 tumbler springs – part number 763F617
- 25 KIK/KIL/DB spring cover – part number 756F858
- 25 mortise/rim/LFIC spring cover – part number756F722
- 10 sidebar – part number 763F565
- Tweezer – part number 239F368
- *Access 3* Key gauge – part number 756F937

PK-30-MASTER Master Pinning Kit

The PK-30-MASTER "Master Kit" includes all pins needed to re-pin AP, AS and AHS cylinders.
The kit includes:

- 100 each of angled bottom pins sizes 1-6 (L-R-C)
- 100 each of AP bottom pins sizes 0-6
- 100 each of build up pins sizes 1-12
- 100 each of master pins sizes 1-6
- 100 each of top pins sizes 1-10
- 100 each of bump resistant pins sizes 4-10
- 100 tumbler springs – part number 763F617
- 25 KIK/KIL/DB spring cover – part number 756F858
- 25 mortise/rim/LFIC spring cover – part number756F722
- 10 Sidebar – part number756F807
- 10 sidebar – part number 763F565
- 10 sidebar spring – part number 756F817
- 10 slider spring – part number 756F797
- 10 screw – part number 756F847
- Tweezer – part number 239F368
- *Access 3* Key gauge – part number 756F937

See the Technical Manual for individual part numbers.

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Collars

Access 3®

Collars

- 1-3/4" (44mm) thick door. For other door thicknesses and trim considerations, contact Corbin Russwin Technical Product Support.
- Mortise Cylinders – 1-1/4" (32mm) length



	Spring	Solid									Surface Mount
	605F43 (.350)	447F41 (.030)	700F53 (.090)	270F15 (.156)	598F89 (.156)	447F42 (.172)	610F02 (.289)	447F43 (.375)	654F07 (.350)	267F97 (.635)	422F88 (.000)
Mortise Cylinder											
AP Separately (1500, 1580)	x										
AS & AHS Separately (1600, 1680, 1700, 1788)							x				
Mortise Lock											
Single Cylinder											
Sectional							x				
L Escutcheon		x									
N Escutcheon					x						
P Escutcheon					x						
M Escutcheon					x						
R Escutcheon		x									
T Escutcheon (no collar required)											
Double Cylinder											
Sectional								x			
L Escutcheon						x					
N Escutcheon							x				
P Escutcheon							x				
M Escutcheon							x				
R Escutcheon						x					
T Escutcheon						x					
V Escutcheon			x								
Auxiliary Locks											
DL4011, 4013, 4017, DL4100						x					
DL4012, DL4102								x			
Rim Cylinder											
AP Separately (3500, 3580)											x
AS & AHS Separately (3600, 3680, 3700, 3788)											x
Exit Devices											
ED4000-5000 Series											
700 Trim, F2, F3, T13, P9									x		
K1				x							
700M Trim, F2M, F3M, T13M							x				
900 Trim											x
Cylinder Dogging				x							
ED6000 Series											
N3, G4, T3				x							
N4M, G5M											x
T7M, T9M X					x						
ED7000 Series											
P4, P6, P7		x									
C4, 03, 05										x	
T11											
ED8000 Series											
KO											x
F1, P1, P2 (no collar required)											

Collar Options - Mortise and Rim Cylinders Only

Description	Quick Code
Collar packet (549F52 + 253F97)	428F66
Rim collar, flush mount	255F53
Rim collar, flush mount (master ring)	255F54
Rim collar, surface mount (standard for rim cylinders)	422F88
Solid collar - .030	447F41
Solid collar - .031 (master ring)	447F44
Solid collar - .090 (VR trim only)	700F53
Solid collar - .094	261F54
Solid collar - .094 (master ring)	261F55
Solid collar - .156	270F15
Solid collar - .156	598F89
Solid collar - .172 (tapered security collar)	416F39
Solid collar - .172	447F42
Solid collar - .172 (master ring- standard for MR 118 cylinders)	447F45
Solid collar - .221	610F01
Solid collar - .289	610F02
Solid collar - .312	303F25
Solid collar - .350	654F07
Solid collar - .375	447F43
Solid collar - .375 (master ring)	447F46
Solid collar - .500	609F36
Solid collar - .510	134F05
Solid collar - .550	654F08
Solid collar - .635	267F97
Solid collar - .650	609F37
Solid collar - .749	399F47
Solid collar - .850	609F38
Spacer for flexible head cylinders - .125	370F29
Spacer for flexible head cylinders - .250	370F31
Spacer for flexible head cylinders - .315	252F82
Spacer for flexible head master ring cylinders - .094	370F33
Spacer for flexible head master ring cylinders - .281	370F35
Spacer for flexible head master ring cylinders (tapered) - .090	366F70
Spring collar - .150 (standard for 118 cylinders)	253F97
Spring collar - .219	549F52
Spring collar - .350 (standard for 114 cylinders)	605F43

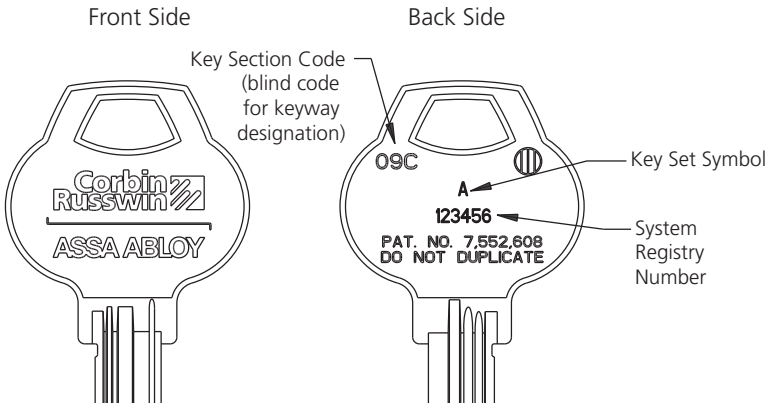
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For Multiplex Masterkey Systems (CR keyway family shown)

Nickel silver
Key Bow type 38

- **Ordering example AP Key Blank:**
  XXXX-6PIN-38-AP
  Keyway

- **Ordering example AS/AHS Key Blank:**
  XXXX-6PIN-38-AS60
  Keyway



- **Ordering example Hotel Emergency key (Mortise AP Cylinders)**
  example: Keyway-6Pin-38-E2-AP

- **Ordering example Hotel Emergency key (Key-in-Lever , AS or AHS Cylinders)**
  example: Keyway-6Pin-38-E6-AS60

Back Side Stamping & Options

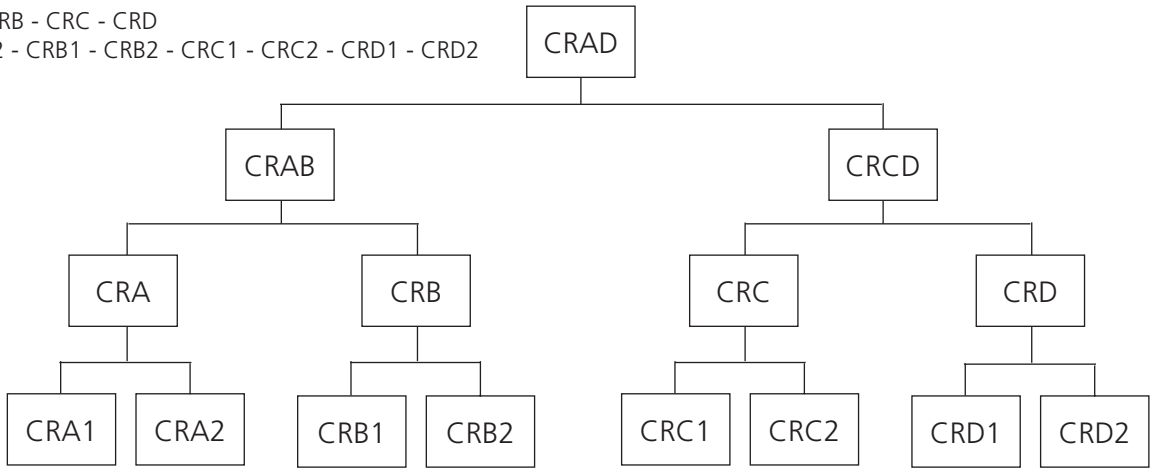
- Key set (VKC1), standard – unless otherwise indicated
- System registry number will be stamped on master keys unless otherwise indicated
- Concealed key control (CKC2) available on cylinders
- Visual Key Control VKC2 is available for level 1 (AP) only
- Visual Key Control VKC3 and Concealed Key Control CKC3 not available

Keyway Security

Access 3 keyways will be determined by the supervisor of Key Systems Administration. Assignment will be based on the overall system requirements and geographic location to provide maximum protection to the owner. For security reasons, the keyway profiles are not shown.

Keyway Group

All section – CRAD
Multi-section – CRAB - CRCD
Multi-section – CRA - CRB - CRC - CRD
Keyway – CRA1 - CRA2 - CRB1 - CRB2 - CRC1 - CRC2 - CRD1 - CRD2
Sample Keyway - MB



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Corbin Russwin
ASSA ABLOY

Master Keying and Keying Terms

Access 3®

Corbin Russwin requires all orders containing Master Keying details to be submitted using the industry standard Door and Hardware Institute (DHI) ANSI/BHMA format. Key symbols used on a master keyed order require combinations of letters and/or letters and numbers.

For complete details on proper structuring format of key symbols refer to: ANSI/BHMA Standard A156.28, AMERICAN NATIONAL STANDARDS FOR KEYING SYSTEMS; or contact CORBIN RUSSWIN for assistance at 1-800-438-1951.

Basic Keying Terms

Keys	Abbreviation	Definition
Change key	CK	Individual lock key
Masterkey	MK	Operates any given quantity of cylinders with different key changes
Grand Masterkey	GMK	Operates all individual locks already operated by masterkey(s)
Great Grand Masterkey	GGMK	Operates all locks under the various masterkey(s) and grand master key(s) already established
Construction Master Key	CMK	Operates all cylinders designated for a temporary period during construction
Control Key	CTL	Key to install or remove interchangeable or removable cores
Keyway	KWY	Broaching in a cylinder plug
Key section	KWY	Sidewarding on key to match broaching in plug
Single keyed	SKD	Cylinders operated by their change key only; not operated by any master key

For complete master key system design information and instructions refer to ASSA ABLOY's Master Key System Design Guide.

The following codes and definitions have been established for specifying cylinder and key stamping for Access 3 cylinders and keys:

Note: All keys will have a key section code. For determining the actual key section contact the factory.

Quick Code	Definition
VKC0	No keyset, registry number, nor bitting stamping on any keys. Includes master keys and change keys. (Keys will be tagged.)
VKC1	Master keys stamped with their keyset symbol and registry number. Change keys stamped with their keyset symbol. (Standard for AP, AS and AHS.)
VKC2	Master Keys stamped with their keyset symbol and registry number. Change keys stamped with their keyset symbol. Cylinders stamped with their keyset symbol on the face of the plug. (Not available for AS and AHS.)
VKC3	Master Keys stamped with their registry number. Change keys stamped with their bitting. Cylinders stamped with their keyset symbol on the face of the plug. (Not available for AS and AHS.)
CKC2	Master keys stamped with their keyset symbol and registry number. Change keys stamped with their keyset symbol. Cylinders stamped with their keyset symbol in a concealed location.
CKC3	Master keys stamped with their registry number. Change keys stamped with their bitting, keyway* and system. Cylinders stamped with their keyset symbol in a concealed location. (Not available for AS and AHS cylinders.)

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45269-5/19

Construction Master Keying

Access 3®

Construction Master Keying (Lost Wafer Design)

Corbin Russwin master keyed Access 3 cylinders can be ordered with the convenience of construction master keying.

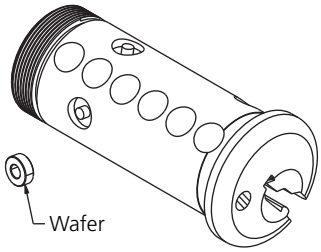
Construction master keying simplifies the process when the building gets turned over. With this feature, the cylinder is master keyed with a special construction feature in one of the chambers. The plug is prepped in two places along both sides of the same chamber containing the construction feature. This allows the construction master key to be used during the construction phases.

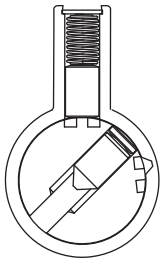
It is highly recommended that all construction keys are collected and accounted for once the project is complete to protect the integrity of the key system.

Orders to existing key systems that require additional construction master keys are to be specified and ordered separately.

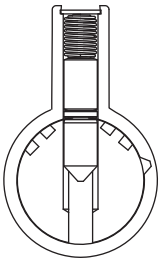
Orders with construction master keying will have all change keys shipped separately from hardware.

Construction master keying is not available with hotel function cylinders or large format interchangeable cores. If construction keying is required for LFIC, specify temporary construction cores, CTAHD or CT6AHR/B/G. See page 5 for complete options.

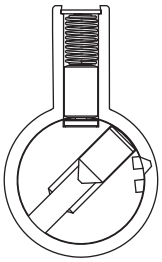




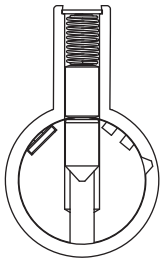
Cutaway cylinder showing construction master key being used, putting the wafer below the shear line while key is turned. Note the two empty "donut" holes on either side of the chamber.



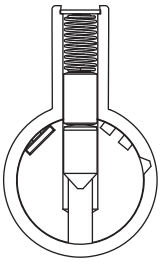
Change key inserted in cylinder putting the wafer at the shear line.



As **change key** rotates, construction wafer falls into "donut" hole in the side of plug. Only construction wafer will fall due to hole through its center. This voids the construction feature.



Change key rotated to position for extraction.



Construction master key inserted after wafer is trapped. Driver now extends into plug chamber. Construction master key, if used, will not rotate.

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Corbin Russwin
ASSA ABLOY

KeyWizard® Key Management Software

Access 3®

Corbin Russwin's KeyWizard® 5.5 Software Package Tracks Multiple Key Systems Including Keys, Keyholders, Locations, and Hardware Information

This comprehensive key management software package was developed for locksmiths and end-users to track detailed information. The program features easy to navigate, non-cluttered screens and uses a format similar to Microsoft® Outlook™.

Features:

- Free Technical Support at 1-800-610-1706 and system upgrades for 1 year
- Website support at www.keywizard.net
- Multi-level passwords and access levels
- Clear, easy to read screens
- Manages multiple end user key systems
- Customized query, reporting and search capability
- Global searching across multiple key systems
- Comprehensive hardware schedules
- Keyholder photos and signatures for identity verification
- Scheduled maintenance and reminders for overdue keys and back-ups
- Accurate key symbol sorting
- Multi-level key authorizations and key deposits
- Network and stand-alone versions
- Pinning calculators
- Reports options including printing in a variety of formats and e-mail
- Cylinder and key random serial ID generator
- Key authorization forms that can be printed at will
- Editable field titles
- Ability to connect to a website and search for any updates

How to Order	Part Number
Single License Version	KW-SS1
Network Version	KW-SSN1
Demonstration Version	KW-DEMO1
KeyWizard® replacement for KeyMinder (Consult factory for eligibility requirements) Single License Version	UP-KW-SS1
Network Version	UP-KW-SSN1



Computer System Recomendations:

REQUIRED:

- 350 MHz processor
- 60 MB hard disk space
- Windows® 7, Vista, XP, NT, ME, 2000 or 98
- 64MB Ram
- CD drive

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Part 1 – General

Keying Schedule;

- The keying schedule is just as important as the hardware schedule
- The key meeting requirements;

Who attends

Example; "Upon approval of the finish hardware schedule meet with the owner's representative to determine the project's keying requirements. In attendance shall be a Certified Key System Specialist".

Administrative documents should be reviewed and executed at this meeting.

Delivery, Storage and Handling;

- The delivery & storage of the permanent cylinders, cores, keys, key control software.

Extra Material;

- Consideration should be given to include additional permanent cylinders, key blanks and key cutting equipment, etc.

Part 2 – Product

Keying: (Corbin Russwin *Access 3*)
All cylinders shall be *Access 3* by Corbin Russwin. Provide utility patented cylinders that require the use of a patented controlled key. Provide bump resistant fixed core mortise and rim cylinders standard. Except where otherwise specified all locksets, exit devices and cylinders shall be of the same manufacturer. Provide recessed cylinder collars for all mortise and rim cylinders. Establish a new multilevel factory designed secured master key system for this project that will meet the owners requirements for this project and future expansion. All keying shall be done at the factory where permanent records will be established and maintained. Manufacturer to have a minimum of 10 years experience designing secured master key systems and have a published security policy.

Provide a 6 pin multilevel master key system which is comprised of patented controlled keys, security and high security cylinders that can all be operated by ONE key of the highest level. Geographical exclusivity shall be provided for all security and high security cylinders. Provide certified cylinders meeting ANSI/BHMA A156.5-2010 Grade 1. Provide mortise, rim, LFIC and key-in-lever cylinders certified to UL437 where specified.

Provide construction master keying for all fixed core cylinders. Provide temporary keyed cores for all large formated interchangeable core cylinders. Permanent keys and cores are to be delivered directly to the owner or owner's representative. Provide nickel silver keys with industry standard Visual Key Control stamping on the bow only for each permanent cut key. Furnish keys in the following quantities.

- 1 each top master key for the system(s)
- 4 each Change keys per cylinder or 10 keys per keyed alike group
- 2 each Control keys (if required)
- 2 each Master keys per master key group and/or selective master key
- 2 each Construction control keys (if required)
- 12 each Construction keys
- Provide 1 copy of bitting list to the owner

Where specified AP; provide utility patented controlled keyway cylinders that are furnished with patented keys that are only available from authorized distribution. Provide bump resistant fixed core mortise and rim cylinders standard. Where specified AS; provide utility patented controlled keyway and side bar locking incorporating unique angled bottom pins that provide end users with geographical exclusivity. Cylinders shall be constructed to provide protection against bumping and picking. Where specified AHS; provide utility patented controlled keyway and side bar locking incorporating unique angled bottom pins that provide end users with geographical exclusivity. Cylinders shall be constructed to provide protection against bumping, picking and drilling. Provide mortise, rim, LFIC and key-in-lever cylinders certified to UL437.

Specified manufacturer Corbin Russwin Access 3 Key Control

- Specify Key Wizard software.

Part 3 – Execution

Care should be taken to identify the required process of turning over a patented locking system to the owner.

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Corbin Russwin
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System Information Document Explanation

Access 3®

Access 3 AP Required Administrative Documents:

- Mandatory: all new systems will require a completed System Information Document (orders cannot be entered without this document). The fully executed original document will be kept on file at Corbin Russwin Key System Administration.
- Subsequent order requirements: A letter of authorization will be required if the product is shipped to an address other than what's recorded on the System Information Document and/or if the address on the purchase order is different than what is listed on the System Information Document.
- If AP key system will utilize all 7 depths of cut available for AP ONLY, responsible party must check and initial acknowledgment on System Information Document noting that AP system CANNOT be incorporated with AS or AHS features in the future.

Access 3 AS and AHS Required Administrative Documents:

- Mandatory: all new systems will require a completed System Information Document (orders cannot be entered without this document). The fully executed original document will be kept on file at Corbin Russwin Key System Administration.
- Subsequent order requirements: A specific randomized security code will be required for each order unless "Opt- Out" has been authorized by the systems administrator.
- If the "Opt Out" option is NOT selected
  - A correct system specific (randomized) security code must be included with each subsequent order.
    - Security codes are specific to each order.
  - If the shipping address is other than the one listed on the System Information Document, a Letter of Authorization signed by one of the recorded authorized representatives of the facility and an authorized security code must accompany the order.
  - Letter of Authorization must contain the same shipping address that appears on the customer's purchase order.
  - Letter of Authorization will not be kept on file at factory.
  - Without the proper security code, Letter of Authorization, or if the shipping address is other than what is listed on the System Information Document, the order cannot be processed.

The System Administrator may elect not to use security codes as part of the authorization process by selecting the "Opt Out" option.

- If the "Opt Out" option IS selected
  - If the shipping address is other then the one listed on the System Information Document, a Letter of Authorization signed by one of the facility's authorized representatives.
  - Letter of Authorization must be signed by one of the facility's authorized representatives.
  - Letter of Authorization must contain the same shipping address that appears on the customer's purchase order.
  - Letter of Authorization will not be kept on file at factory.

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System Information Document

Access 3®

System: _____AP-6: 6 depths of cut. Available to work with AS and AHS security features.
_____AS / AHS

NOTE: System Information Document required for all new systems; see reverse for additional document requirements.

_____AP-7: 7 depths of cut. By checking this box, I acknowledge that I wish to establish an AP patent protected key system only. I will be unable to utilize AS or AHS security features for the life of the key system.
_____Please initial here.

Facility Name:_____

Mailing Address:_____

_____

City:_____ State:_____

Zip Code:_____

Phone: (_____) _____

Fax: (_____) _____

E-Mail:_____

Facility Name:_____

Shipping Address:_____

_____

City:_____ State:_____

Zip Code:_____

By:_____
(Print Name, Primary Systems Administrator) (Title) (Authorized Signatures)

I understand that if any of the authorized representatives of this Facility (as set out below) are removed from their duties for any reason whatsoever, it is my responsibility to notify Corbin Russwin Key Systems Administration, in writing, of their release and the names of their replacements.

Date:_____

Authorized Facility Representatives (Printed Name)	(Title)	(Authorized Signatures)

Please attach any additional.

_____((Signature or Initial by System Administrator Only)

❑ **"OPT-OUT" Option (System Type AS & AHS Only):** By selecting this option I elect not to use the randomized security codes and agree to substitute them with a Letter of Authorization.

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Corbin Russwin

ASSA ABLOY

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Architectural Hardware
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Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada
ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

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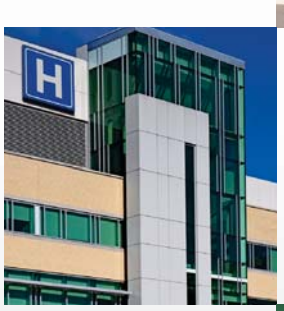


Corbin Russwin®

ASSA ABLOY









Key Systems

Product Catalog

Experience a safer
and more open world

Corbin Russwin
ASSA ABLOY

Applications

Key Systems

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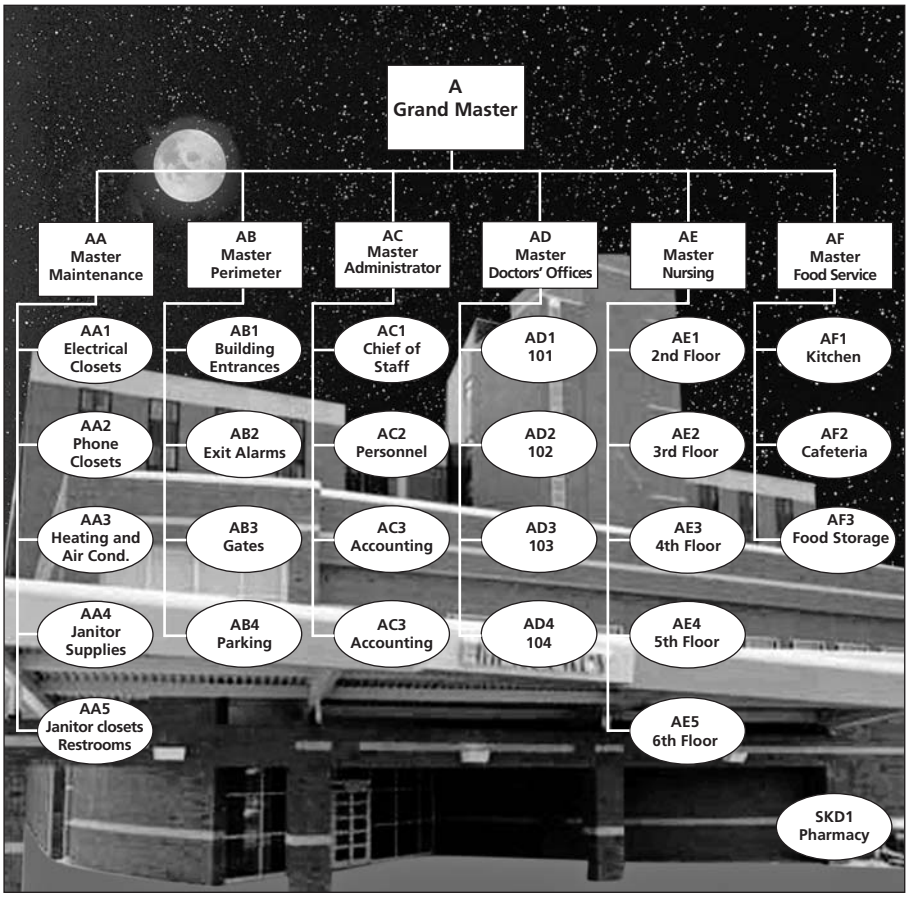
www.corbinrusswin.com

Applications

To provide the desired level of security, even the finest architectural hardware requires a properly designed and maintained master key system.

The keying system is the "software" of a building's security. As shown in the schematic below, it turns each hardware product into an access control device.

The choice of cylinder mechanism must be planned together with the keying system. The variety of mechanisms available from Corbin Russwin offers the right balance of security, convenience and expansion capability for every job.



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Step 1
Determine the type of locking system

- Conventional "open & restricted keyways"
  - Not contract controlled
- Patented locking system
  - A notice of acceptance will be required between Corbin Russwin and Owner
  - Factory-based system
  - Key blank distribution restrictions are in place
- Security (secondary locking mechanisms, example; Pyramid Security)
- High security (same as Security plus UL437 – example; Pyramid High Security)
- Standalone access control locking devices (at door wiring, example; Access 800)
  - To facilitate multiple users through common doors
- Integrated locking systems (hard wired into access control systems)

Step 2
Establish the level of the master key system. The higher the level the less secure.

- Level two – "Simple Master Key system"
  - Change key, and master key only
- Level three – "Grand Master Key system"
  - Change key, master key, and Grand Master Key
- Level four – "Great Grand Master Key system"
  - Change key, master key, Grand Master Key, and Great Grand Master Key
- Levels higher than four are not recommended for security reasons
  - With more levels, additional master pins in each chamber of the cylinder would be required, and with the additional master pins the possibility of unauthorized key interchanges could occur

See pages 50-52 on How to Establish Key Systems.

Step 3
Establish key hierarchy, key issuing policies and procedures, and administrative disciplines.

- Who, if anyone is authorized to carry the top master key?
- Who carries master keys and change keys?
  - Does every employee receive a key?
- What disciplinary action(s) is being put in place for violations?
  - Fines or Deposits
    - > Lost keys
    - > Keys not returned
  - Will there be a key receipt required?
    - > Where will that be kept?
- Who is the systems administrator?
  - Authorized to purchase
  - Responsible for Key Control Administration
- Who is the Key Control Administrator?
  - Maintain key control software & all transactions

Step 4
System Layout

- Helpful Hints
  - KISS "Keep It Simple System"
    - > Do not use the term sub-master (not unless it's level 6 and higher)
- Lowest level possible
- Key to the building security objectives NOT to the people
  - Determine if the system is to be designed for Security or Convenience
- No cross keying, especially with patented locking systems and higher
- Key alike within master key groups as much as possible
  - Avoid top-heavy systems (example; few change keys used under masters)
- Has the right function of lockset been selected?
  - Storeroom vs. Classroom vs. Entry
  - Single cylinder vs. double cylinder
    - > If double cylinder, how is the inside cylinder to be keyed?
- Provide adequate quantity of keys
  - Top Level Master keys: Quantity should be limited to absolute minimum required.
  - Master keys: Quantity should also be limited to only amount required.
  - Change keys per key set and/or per keyed alike sets
  - Special operating keys
    - > Control keys: A Control key is as important as a top level Master key in a removable core system and quantities should therefore be limited to minimum required.

Separate the internal departments into sectors, example are:

- Perimeter
  - Including all exterior doors, roof surfaces, gates and fences, and adjacent buildings.
- Operations
  - Sensitive areas crucial to daily operations, such as plant engineering, security and mechanical operations.
- Management
  - Areas that are vital for daily business activities, primarily human resources, administration, executive offices, IT, sales, and accounting.
- Services
  - Areas that provide employees and visitors with services, such as restrooms, medical treatment areas, housekeeping, food service, retail (unless it's a leased outside source).
- Unique Applications
  - Door openings requiring access control hardware where key override is required, or any other special application which would be unique.
- Tenants
  - Any tenants that are not part of the building.

Step 5
Servicing & Maintenance

- In-house or outside locksmith
  - Ensure proper training
  - Establish key cutting log
  - Establish service request procedures
- Service equipment
  - Key kit
  - Code cutter that complies with systems depths & spacing specifications
  - Locksmithing tools, fixtures & accessories
- Establish stock levels & requirements to avoid misuse of multi-section key blanks
  - Additional cylinders ready for emergencies
  - Additional key blanks (of all keyways)
- Who or where are the key blanks going to be kept?
- Who is authorized to cut keys?
  - What form of work order will be used to authorize cutting of keys?
  - Who will sign the work order?
  - What records will be kept & where?
- What type of reports will be required?
  - Overdue keys
  - Miss-cut keys
    - > Who receives the reports?
- Once a key has been cut, what instructions are given to the recipient?
  - Key receipt recommended
- Ensure that all transactions are recorded by the Key Control Administrator
- ENFORCEMENT FROM THE START! SUPPORT AND BACK THOSE WHO ARE RESPONSIBLE FOR MAINTAINING AND SERVICING THE SYSTEM.

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Corbin Russwin
ASSA ABLOY

Key Wizard®

Key Systems

Key Management Software

Advantages

A key management software program is essential for any type of organization. Keeping track of the key holders in a master key system is critical for maintaining key control and ensuring the security and integrity of the system. *Key Wizard* by Corbin Russwin was designed to provide a user-friendly tool for facility end users to track detailed information concerning their keying system. It offers improvements over existing key management software by utilizing clutter-free and easily navigated screens. This system uses a Microsoft® Outlook® type of layout.

Key control for a facility is maintained by adopting a complete system of policies, procedures, record keeping and specialized products. A comprehensive key management software program is one aspect of a complete key control system.

Key Wizard by Corbin Russwin provides the facility with accurate information concerning keys, key holders, hardware locations, master key systems, overdue keys and maintenance service schedules, all of which can be customized.



Features:

- Free technical support and free software upgrades for one year
- Customized query, report and search capability
- Comprehensive hardware listings for door locations
- Displays key holder photos and signatures for verification
- Clear, easy to read screens
- Automatic reminders for maintenance, back-ups and overdue keys
- Network and standalone versions available
- Accurate key symbol sorting
- Audit trail tracks changes made to keyholders
- Printing of door number labels to ensure proper cylinder installation
- Key authorization tracking
- Customized key receipts and authorization forms
- Tracking of loaned keys and key deposits
- Stores maintenance service history records
- Can manage multiple end users and multiple key systems for most manufacturers
- Importing of key systems, keyholders and locations
- Exporting of key systems and locations
- Global key search across multiple master key systems
- Multi-level password protection
- Download of key bittings to ITL9700 Code machine
- Pinning Calculators

Computer System Requirements:

- 500 MHz processor or greater
- Windows 98, 2000, ME, NT, XP, Vista, 7, or 10
- 64 MB RAM
- 70 MB hard disk space

Demo Version

Demo versions are available. Demos can be downloaded from the Corbin Russwin website at **http://www.corbinrusswin.com or www.keywizard.net**

How to Order:

All *Key Wizard* programs are licensed specifically to each facility end user. Special online ordering procedures apply. The following information is required for each system:

End User Facility Name
End User Contact Individual
Mailing Address
Phone Number

Key Wizard Technical Support:
1-800-610-1706

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How to Order Cylinders — Numbering Scheme Overview

Key Systems

CR10	0	0	–	118	–	A01	–	6	–	L4	–	Finish x Options*

Cylinder Type	Mechanism	Function	Length	Cam	Pins	Keyway
CR10 Mortise CR11 Flex Head Mortise CR12 Concealed Shell Mortise CR13 Thumbturn Mortise CR14 Dummy Mortise CR15 Access 3 Mortise - AP CR16 Access 3 Mortise - AS CR17 Access 3 Mortise - AHS CR20 Knob/Lever CR21 Continental Knob CR22 Competitor Knob/Lever CR23 Access 3 Competitor Knob/Lever CR24 Competitor Keyways CR25 Access 3 KIK/KIL - AP CR26 Access 3 KIK/KIL - AS CR27 Access 3 KIK/KIL - AHS CR28 Access 3 Competitor KIL - AS CR29 Access 3 Competitor KIL - AHS CR30 Rim CR33 Thumbturn Rim CR35 Access 3 Rim - AP CR36 Access 3 Rim - AS CR37 Access 3 Rim - AHS CR42 Special Application CR44 DL2200, DL3200 CR45 Access 3 DL2200/ DL3200 - AP CR46 Access 3 DL2200/ DL3200 - AS CR47 Access 3 DL2200/ DL3200 - AHS CR80 IC-Core Only (LFIC) CR85 Access 3 IC Core - AP CR86 Access 3 IC Core - AS CR87 Access 3 IC Core - AHS CR2300 RFC Padlock	0 Standard 1 Security 2 Pyramid 3 IC Pyramid Cylinder (LFIC) 4 SFIC Housing 6 Master Ring 7 LFIC Housing 8 IC Complete Cylinder (LFIC) 9 IC Security Cylinder (LFIC)	0 Standard 1 Hotel 3 Classroom 6 Obsolete Crossbar ED6200 7 Pyramid Security 8 UL IC Housing Access 3	**(Mortise Cylinder) Non-IC** 100 1" (25mm) 118 1-1/8" (29 mm) 114 1-1/4" (32 mm) 138 1-3/8" (35 mm) 112 1-1/2" (38 mm) 134 1-3/4" (44mm) 200 2" (51 mm) 214 2-1/4" (57 mm) 212 2-1/2" (64 mm) 234 2-3/4" (70 mm) 300 3" (76 mm) 314 3-1/4" (83 mm) 312 3-1/2" (89 mm) 334 3-3/4" (95 mm) **(Mortise Cylinders) IC** 114 1-1/4" (32 mm) 138 1-3/8" (35 mm) 112 1-1/2" (38 mm) 134 1-3/4" (44mm) 200 2" (51 mm) 214 2-1/4" (57 mm) 212 2-1/2" (64 mm) **(Rim Tailpiece)** 058 5/8" (16 mm) 114 1-1/4" (32 mm) IC 138 1-3/8" (35 mm) 178 1-7/8" (48 mm) IC 178V 1-7/8" (48 mm) vertical IC 200 2" (51 mm) 200V 2" (51 mm) vertical 318 3-1/8" (78 mm) IC 312 3-1/2" (89 mm) 312V 3-1/2" (89 mm) vertical	A01 Cloverleaf A02 Straight A03 Adams Rite® MS A04 DL4000 Series A05 *Adams Rite* 4070 A06 Schlage® Cloverleaf A07 DL4100 Series A61 **New** MR Cloverleaf-locks made after 5/93 A62 MR Straight A63 Large MR Short A64 Large MR Long A65 **Old** MR Cloverleaf - locks made prior to 5/93 A92 Exit Grip Trim 01, 02 A93 Obsolete Deadlocks: Corbin® 610 Series and Russwin® 1403 Series	6 Standard 7	752 852 981 A DH N X Z Access 3 Pyramid

*For cylinder options, see pages 43-44

Finish	
Description	Specify
Bright Brass	605
Satin Brass	606
Bright Bronze	611
Satin Bronze	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze, Equivalent	613E
Bright Nickel Plated	618
Satin Nickel Plated	619
Flat Black Coated	622
Bright Chromium Plated	625
Satin Chromium Plated	626
Bright Stainless Steel	629
Satin Stainless Steel	630
Black Oxidized Bronze, Oil Rubbed	722
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

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Corbin Russwin
ASSA ABLOY

Cylinder and Key Stamping

VKC and CKC

Key Systems

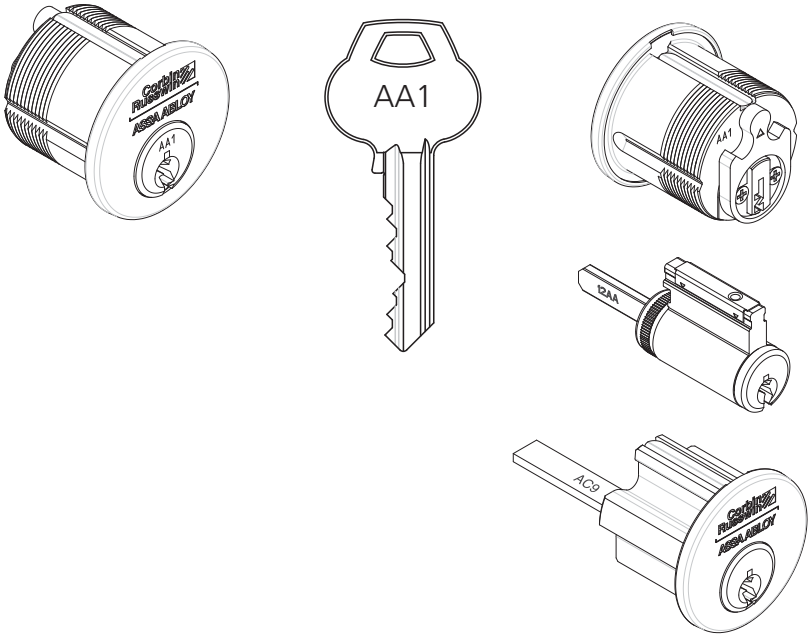
Visual and Concealed Key Control
With these options, keys and/or cylinders are stamped with their respective keyset symbol, so lock mix-ups during installation or key mix-ups afterwards are less likely to happen – and easier to straighten out if they do. Lost keys are also easier to replace. The coded information on the cylinder tells you how the cylinder is keyed, thereby eliminating trial and error.

For example, the symbol AA1 shown in the illustration identifies the lock to be operated by grand master key A, master key AA and change key AA1. Upon written authorization from the building owner to an authorized Corbin Russwin Distributor, a bitting list can be furnished for each job to translate the symbols into key bittings.

If a key is lost, it can easily be replaced by referring to the symbol on the cylinder and the bitting on the bitting list. VKC is not available on Security or Pyramid cylinders.

Visual Key Control (VKC)
For Greater Convenience
The key symbol is stamped on the plug face or other visible portion of the front of the cylinder. (VKC is available on all keys, but not available on Security, CK4400 Series Lockset or Pyramid cylinders.)

Concealed Key Control (CKC)
For Greater Security
For greater security, specify CKC on the cylinders. The key symbol is stamped in a concealed location, such as the rear of the cylinder. It is not visible to the general occupants of the building but can be accessed by authorized personnel upon removing the cylinder from the lockset.



The following codes and definitions have been established for specifying cylinder and key stamping:

Quick Code	Definition
VKC0	No keyset, registry number, keyway, nor bitting stamping on any keys. Includes master keys and change keys. (Keys will be tagged.)
VKC1	Master keys stamped with their keyset symbol and registry number. Change keys stamped with their keyset symbol and keyway.* (Standard for high security and security cylinders.)
VKC2	Master Keys stamped with their keyset symbol and registry number. Change keys stamped with their keyset symbol and keyway.* Cylinders stamped with their keyset symbol on the face of the plug. (Not available for high security or security cylinders.)
VKC3	Master Keys stamped with their registry number. Change keys stamped with their bitting, keyway* and system. Cylinders stamped with their keyset symbol on the face of the plug. (Not available for high security or security cylinders.
CKC2	Master keys stamped with their keyset symbol and registry number. Change keys stamped with their keyset symbol and keyway.* Cylinders stamped with their keyset symbol in a concealed location.
CKC3	Master keys stamped with their registry number. Change keys stamped with their bitting, keyway* and system. Cylinders stamped with their keyset symbol in a concealed location. (Not available for high security, or security cylinders.)

*Keyway will NOT be stamped on the keys for security or high security cylinders, nor restricted or protected keyways unless specifically requested as per the purchase order. (KB18, KB19, KB28 or KB90 series)

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45078 6/19



Construction Master Keying
Construction Master Keying (CMK) is a Corbin Russwin keying option that provides the extra security needed in the transition from construction of a building or complex to completion.

The construction master key operates all Corbin Russwin cylinders while the building is under construction. Upon completion of the construction phase, it can be voided without removing the cylinders from the locks, simply by turning the change key in each cylinder. Construction master keying is not available for interchangeable core. Temporary cores are available for IC jobs that require construction keying.

The permanent master and change keys for the system are always packed and shipped separately, and the order must include the names and addresses of individuals to whom the construction, permanent master and change keys should be sent.

This feature is NOT available on interchangeable core, Access 3, Pyramid, or Security series cylinders.

SKD Caution
Unless otherwise specified, SKD sets will be construction master keyed. When construction master keying is established for SKD sets, Corbin Russwin issues a separate SKD CMK key as well as an SKD CMK Control key if required.

How to Order CMK
To order locksets and/or cylinders with the construction master key feature, the quick code CMK should be indicated as an option.

Temporary Construction Cores

Lockable
A secure method of construction keying for interchangeable core hardware is the use of temporary construction cores. Corbin Russwin recommends this method of construction keying for IC jobs.

Hardware is furnished with construction cores that are keyed alike to a combination unrelated to the permanent system's master key. When the building is turned over to the owner, the permanent cores are installed and the temporary construction cores can be returned to Corbin Russwin for credit.

The IC temporary construction cores are available in red, blue and green. The color options enhance the user's ability to easily control access to different locations on a construction site, or identify different locations for specific keying applications.

How to Order Lockable
IC 6-pin with Red temporary construction core (Red), CT6R
IC 6-pin with temporary construction core (Blue), CT6B
IC 6-pin with temporary construction core (Green), CT6G
For 7-pin, use quick code, CT7
IC 7-pin with temporary construction core (Red), CT7R
IC 7-pin with temporary construction core (Blue), CT7B
IC 7-pin with temporary construction core (Green), CT7G
For Pyramid, use quick code CTP.

Examples:
ML2051 x LSA x 626 x RH x CT6
CR1080 x 114 x A01 x 626 x CTP
CL3355 x NZD x 626 x CT6B
CR1080-114-A01 x 626 x CT6G
Permanent cores must be ordered separately.

Disposable
Corbin Russwin offers two formats of disposable temporary cores. These cores do not require keys for their operation and no returns or credits are allowed.

Disposable cores are available for Corbin Russwin large format interchangeable core (LFIC) housings or for small format interchangeable core (SFIC) housings. Please note that Corbin Russwin does not provide permanently keyed SFIC cores.

How to Order Disposable
LFIC
For 6-pin, use quick code CT6D
For 7-pin, use quick code CT7D
For Pyramid, use quick code CTPD

Examples:
ML2051 x LSA x 626 x RH x CT6D
CR1080 x 114 x A01 x 626 x CTPD
Permanent cores must be ordered separately.

SFIC - Key-in-lever/knob locksets
For 6- and 7-pin, use quick code CTSD

SFIC - Mortise Locks and Exit Devices-Rim Cylinders
For 6-pin housing, use quick code CLS6
For 7-pin housing, use quick code CLS7

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Conventional Mortise

Key Systems

Mortise Cylinders

For use with all mortise locks and DL3000 Deadlocks. IC: page 15. Security: page 17. Master Ring: page 20. Pyramid: page 24.



Type	Length	Cam	Pins	Keyway	Finish
CR1000	100 1" (5 pin only)	(see page 40)	5 (1" length only)	(see pages 31-39)	605
	118 1-1/8" (standard)	A01 Cloverleaf	6 (standard)		606
	114 1-1/4"	A02 Straight	7 (available for 1-1/4"-3")		611
	138 1-3/8"	A03 Adams Rite® MS and			612
	112 1-1/2"	DL3000 Deadlock			613
	134 1-3/4"	A04 DL4000 Deadlock			622
	200 2"	A05 *Adams Rite* 4070			625
	214 2-1/4"	A06 Schlage® Cloverleaf			626
	212 1-1/2"	A07 DL4100			629
	234 2-3/4"	A62 MR Straight / CR900 Series Mullion			630
	300 3"	A92 Exit Grip Trim 01 & 02			722
	314 3-1/4"	A93 Obsolete deadlocks: Corbin® 610 Series and Russwin® 1403 Series			BSP
	312 3-1/2"				WSP
	334 3-3/4"				

Flexible Head Mortise Cylinders

Use Flexible Head mortise cylinders only with sectional trim mortise locks. The head is spring-loaded to adjust for minor variations in door thickness. See page 20 for Master Ring



Type	Length	Cam	Pins	Keyway	Finish
CR1100	100 1" (6-pin std.)	(see page 40)	6 (standard)	(see pages 31-39)	605
	118 1-1/8"	A01 Cloverleaf	7 (available for 1-1/4"- 1-1/2")		606
	114 1-1/4"	A02 Straight			611
					612
					613
					618
					619
					625
					626
					722
					BSP
					WSP

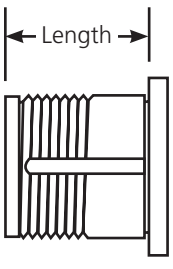
Concealed Shell Mortise Cylinders

Concealed shell cylinders are for mortise locks using "Plug Only to Show" escutcheon trim.

Type	Length	Cam	Pins	Keyway	Finish
CR1200	100 1" (6-pin std.)	(see page 40)	5 (1" length only)	(see pages 31-39)	606
	118 1-1/8"	A01 Cloverleaf	6 (standard)		626
	114 1-1/4"	A02 Straight	7 (available only for 1-1/4"- 1-1/2")		
	138 1-3/8"				
	112 1-1/2"				







Length is measured from behind the cylinder head to the end of the cam.
For cam illustrations and applications, see page 40.

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Hotel Function Cylinders

Guest Key and all normal master keys have limited rotation to retract latchbolt only. Emergency Master Key (EMK) and display key turn 360° to operate deadbolt as well.

Type	Number	Remarks
Standard	CR1001-114-A01	Cylinders are 6-pin. Display and Emergency Master Keys are cut on 7-pin blanks
Flexible Head	CR1101-118-A01	
Concealed Shell	CR1201-114-A01	

Not available with D1, D2, L1, L2, 752, 852 or A Class keyways. Order with A91 cam to accept discontinued Russwin® "G" type long EMK.
Finishes: see Standard, Flexible Head and Concealed Shell Cylinder sections, page 8.

Cylinder for Obsolete Exit Device

For inside of obsolete Corbin® 3726 1/2 and 3727 1/2 and Russwin® 736 1/2 and 737 1/2 only. Cam rotation is limited by steel pins on back of shell.

Application	Number	Remarks
Folger Adam® NS400 Series x LEK	CR1004-118-A02	Clockwise
Folger Adam NS400 Series x LEK	CR1005-118-A02	Counterclockwise

Finishes: 605, 606, 611, 612, 613, 625, 626, 629, 630, 722

1006-118-A02 (6-pin only)
Finishes: 605, 606, 611, 612, 613, 622, 625, 626, 629, 630, 722, BSP, WSP

Thumbturn Cylinders



Classroom function cylinders have a pin to block cam rotation in the locking direction. The pin may be installed on either side of the cam, depending on the hand of the door.

Suffix cam number to basic cylinder number. Example: 1300-118-A03					
Function	**Length**	**Basic Number**	**A02** (147F77)	**A03** (111F55)	**A93** (281F27)
Standard	1"	CR1300-100-	•	•	N/A
	1-1/8"	CR1300-118-	•	•	•
	1-1/4"	CR1300-114-	•	•	N/A
	1-3/8"	CR1300-138-	•	•	N/A
Classroom	1"	CR1303-100-	N/A	•	N/A
	1-1/8"	CR1303-118-	N/A	•	N/A
	1-1/4"	CR1303-114-	N/A	•	N/A
	1-3/8"	CR1303-138-	N/A	•	N/A

Finishes: 605, 606, 611, 612, 613, 622, 625, 626, 629, 630, 722, BSP, WSP
All 1300- and 1303- thumbturn cylinders are available with the M34 Option (Ergonomic Thumbturn)

Dummy Cylinders



These cylinders may be used to fill an opening left when mortise cylinder operation is no longer desired.

Number	Length
CR1400-118	1-1/8"
CR1400-114	1-1/4"
CR1400-138	1-3/8"

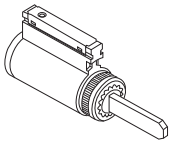
Finishes: 605, 606, 611, 612, 613, 622, 625, 626, 629, 630, 722, BSP, WSP

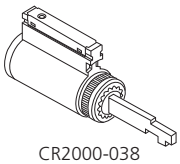
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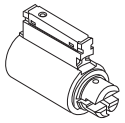
Conventional Component (Key-in-Lever/Knob)

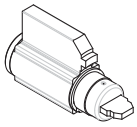
Key Systems

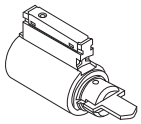
Component Cylinders
Finishes 606, 626

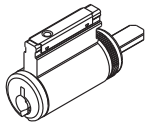

CR2000-031, 033, 034 or 037


CR2000-038


CR2000-052

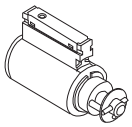

CR2000-044

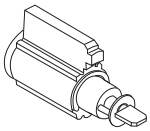

CR2000-051

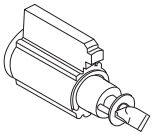

CR2000-031H

Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length) 6-Pin	Tailpiece Part Number (Length) 7-Pin
CR2000	031	CL3100 Lever Trim	(.509")		778F778 (.692")	778F768 (.536")
	031H	CK4300		(.509")	778F778 (.692")	NA
	033	CL3300, CL3500, CL3800, CL3600 (June 2000 and after) Lever Trim - A6/N6/PR6	(.509")		622F308 (.950")	682F298 (.794")
	033H	G1055 ED Trim (Horizontal Tailpiece)		(.509")	622F308 (.950")	682F298 (.794")
	034	CL3400 (Lockset Series Obsolete) CL3600 (Prior to June 2000), A5/N5	(.509")		622F298 (1.106")	622F308 (.950")
	037	CL3700	(.509")		682F298 (.794")	NA
		CK4700		(.509")		
	038	CL3800 (Obsolete 1993-1997 model)	(.509")		596F898 (1.056")	NA
	039	CL3900	(.509")		680F608 (1.700")	NA
	039L	CL3900 (2", 2-1/4" Thick Doors)	(.509")		681F068 (1.950")	NA
	044	CK4400		(.509")	NA Separately	NA
	051	B2/G2/G3 ED Trim		(.552")	489F028 (.890")	NA
	052	UT5200/CK4200	(.552")	(.552")	No Tailpiece	NA

Note #1= For 7-pin version, suffix -7 i.e. 2000-033-7

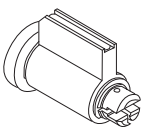

CR2001-052


CR2001-044


CR2001-066

Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length) 6-Pin	Tailpiece Part Number (Length) 7-Pin	Remarks
CR2001	031	CL3129	(.509")		775F958 (.808")	775F968 (.652")	Use CR2001-031-E8 for EMK Blank
	034	CL3329/CL3629 CL3429 (Lockset Series Obsolete)	(.509")		585F338 (1.046")	585F358 (.890")	Use CR2001-034-E8 for EMK Blank
	044	CK4429 (Straight Tailpiece)		(.509")	564F508 (.764")	NA	Use CR2001-044-E4 for EMK Blank
	052	CK4229	(.552")	(.552")	No Tailpiece	NA	Use CR2001-052-E4 for EMK Blank
	066	CK4429 (Twisted Tailpiece)		(.509")	574F128 (.835")	NA	Use CR2001-066-E4 for EMK Blank

Note #1= For 7-pin version, suffix -7, i.e. CR2000-033-7
Note #2= CR2003-044 used for CK4455 & CK4482 prior to August 1993

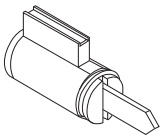

CR2100-052

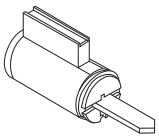
Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length) 6-Pin	Tailpiece Part Number (Length) 7-Pin	Remarks
CR2100	052	Ronde and Continental Knob (Obsolete)		(.552")	No Tailpiece	NA	Finishes 605, 606, 611, 612, 613, 625, 626

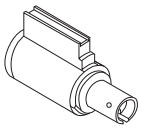
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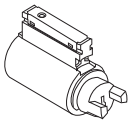
Component (Key-in-Lever/Knob) Conventional

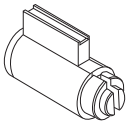
Key Systems

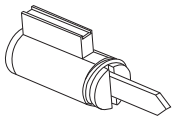

CR2200-001


CR2200-002


CR2200-008


CR2200-076


CR2200-054


CR2200-003

Cylinders for Other Manufacturer's Products - 6-pin

Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length)	Tailpiece Orientation
CR2200	001-A21	Alarm Lock DL2500 Series	(.552")	(.552")	444F748 (.813")	Vertical
		Arrow® H Series Knobs and Levers				
		Arrow Q Series Levers				
		Sargent® 10 Line (Enlarge Lever Hole)*				
		Schlage® D Series Levers				
	001-A22	*Schlage* AL and ND Series Levers	(.552")		461F108 (1.078")	Vertical
	002-A21	*Schlage* D Series Knobs		(.552")	444F748 (.813")	Horizontal
	002-A22	*Schlage* A Series Knobs (PLY, etc.)		(.552")	461F108 (1.078")	Horizontal
	002-A23	*Schlage* A Series Knobs (ORB, only)		(.552")	520F358 (1.328")	Horizontal
	003-A24	Lockwood® H Series Knobs (Enlarge Knob Hole)		(.552")	444F748 (.813")	Vertical
	008	*Sargent* 7,8,9 Line (Enlarge Knob Hole)		(.552")	NA	
	054	Yale® 5400, 6200 Knobs Only (Enlarge Knob Hole)		(.552")	NA	
	076	*Sargent* 7600 Integralock (Enlarge Knob Hole)		(.552")	NA	

*Or order Sargent 10 Line locks with 30 prefix.

Cylinders with Other Manufacturer's Keyways - 6-pin

Type	Tailpiece / Keyway	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number	Remarks
CR2400	031-C	CL3100	(.509")		778F788 (.710")	*Schlage* C Keyway
	031-LA	CL3100	(.509")		778F788 (.710")	*Schlage* LA Keyway
	033-C	CL3300/CL3600 (June 2000 and after) ED8200/ED8400	(.509")		622F328 (1.106")	*Schlage* C Keyway
	033-LA	CL3300/CL3600 (June 2000 and after) ED8200/ED8400	(.509")		622F328 (1.106")	*Sargent* LA Keyway
	034-C	CL3400 (Lockset Series Obsolete) CL3600 (Prior to June 2000)	(.509")		682F398 (0.950")	*Schlage* C Keyway
	034-LA	CL3400 (Lockset Series Obsolete) CL3600 (Prior to June 2000)	(.509")		682F398 (0.950")	*Sargent* LA Keyway
	037-C	CL3700	(.509")		685F098 (0.794")	*Schlage* C Keyway
		CK4700		(.509")		
	039-C	CL3900	(.509")		616F208 (1.700")	*Schlage* C Keyway
	039-LA	CL3900	(.509")		616F208 (1.700")	*Sargent* LA Keyway

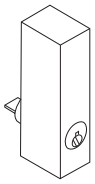
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Conventional Component (Key-in-Lever/Knob/Dead Bolt)

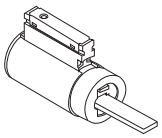
Key Systems

Cylinders for Other Manufacturers' Products (.552" Plug Diameter) - 6-pin

Type	Tailpiece	Series	Plug Diameter	Tailpiece Part Number (Length)	Remarks
CR4200	002-A47	Adams Rite® 4025 Pull	(.552")	146F788 (0.968")	Cylinder Only
	003-A47	*Adams Rite* 4025 Pull	(.552")	146F788 (0.968")	Cylinder and Housing



CR4200-003-A47



CR4200-002-A47

DL2200/DL3200 Deadbolts Cylinder (.509 Plug Diameter)

Cylinder Type	Function	1-3/8" or 1-3/4" (Standard)		2" or 2-1/4"	
		Cylinder	Tailpiece	Cylinder	Tailpiece
6-Pin	11, 13, 17	CR4400-134-A51	753F768	CR4400-134-A51	753F768
	12	CR4400-134-A52	753F778	CR4400-214-A52	753F788
7-Pin	11, 13, 17	CR4400-134-A51-7	753F768	CR4400-134-A51-7	753F768
	12	CR4400-134-A52-7	753F778	CR4400-214-A52-7	753F788

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Rim Cylinders

For use with exit devices and exit device trim.



Type	Tailpiece Length	Pins	Keyway	Finish
CR3000	058 5/8" 955 and 959 Trims 138 1-3/8" M61 & M62 option for ED8200 and obsolete ED9200 exit device alarms 200 2" (std. door) 200N 2" ED4000/ED5000 Night Latch Function 200V 2" vertical tailpiece 312 3-1/2" (thick door) 312V 3-1/2" vertical tailpiece **Tailpiece Orientation** std. = Horizontal V = Vertical	6 (standard) 7	(see pages 31-39)	605 606 611 612 613 622 625 626 629 630 722 BSP WSP

Rim Thumbturn



Type	Tailpiece Length	Pins	Keyway	Finish
CR3300	138 1-3/8" 200 2" (std. door)	N/A	N/A	605 606 611 612 613 622 625 626 629 630 722 BSP WSP

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Corbin Russwin
ASSA ABLOY

Interchangeable Core

Key Systems

Fast changeover - new security in seconds!



Interchangeable Core

Options:

- 7-Pin
- VKC (Visual Key Control)
- CKC (Concealed Key Control)
- Restricted/Protected Keyways
- Pyramid

Advantages
Rekeying can be done by non-technical personnel without removing hardware from the door. When used system-wide, IC provides tremendous rekeying convenience.

When planned from the inception of a system, IC cylinders can be integrated with conventional cylinders.

Applications
IC is recommended for virtually all types of keying systems, such as office buildings, hotels, schools, hospitals and universities. When used in exit devices and other installations which are labor intensive to rekey, IC saves time and money over the life of the building.

Operations
All operating keys (change, master, grand master) operate the lock normally. To rekey, use the special control key. The control key operates at a separate shear line in certain chambers within the core. Only the control key is required to remove and install a core.

Cores
6-pin standard; 7-pin, security and Pyramid optional. Two nickel silver change keys furnished standard per core. Control keys only furnished when ordered.

Key Control
Corbin Russwin cores are available with protected and restricted keyways, patented keyways, security and Pyramid to deter unauthorized key duplication. No orders for patented protected keys, security or Pyramid keys will be shipped for a keying system without a letter of authorization from the end user.

Construction Keying
Temporary cores are available for IC jobs that require construction keying.

Core Marking
Concealed Key Control (CKC) is available for all Corbin Russwin cores. Visual Key Control (VKC) is available for conventional cores, but not for security or Pyramid cores.

Ordering IC Locksets and Exit Devices
For specific product availability and Quick Codes for cylinder options, see "How to Order" in each catalog section.

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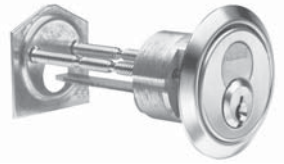
Interchangeable Core Mortise



CR10	8	0	–	114	–	A01	–	6	–	L4	–	x	Finish	x	Option

Core	Function	Length	Cam	Pins	Keyway	Finish*	Temporary Core
3 Pyramid 4 SFIC Housing Only (No Core) 8 Standard 9 Security (6-Pin only) 7 LFIC Housing only (no core)	0 Standard 1 Uses - E1suffix for EMK blank Hotel 1-3/8" with A01 cam only. 7 Pyramid Security	114 1-1/4" 138 1-3/8" 112 1-1/2" 134 1-3/4" 200 2" 214 2-1/4" 212 2-1/2"	(see page 40) A01 Cloverleaf A02 Straight A03 Adams Rite® MS and DL3000 Deadlock A04 DL4000 A05 *Adams Rite* 4070 A06 Schlage® Cloverleaf A07 DL4100 A62 MR Straight / CR900 Series Mullion A92 Exit GripTrim 01 & 02 A93 Obsolete deadlocks: Corbin® 610 Series and Russwin® 1403 Series	6 (standard) 7 (Not available for 1-1/4", 1-3/8" LFIC and 1-1/4" SFIC housings)	(see pages 31-39)	605 606 611 612 613 613E 622 625 626 629 630 722 BSP WSP	CT6R IC 6-pin with temporary construction core (Red) CT6B IC 6-pin with temporary construction core (Blue) CT6G IC 6-pin with temporary construction core (Green) CT7R IC 7-pin with temporary construction core (Red) CT7B IC 7-pin with temporary construction core (Blue) CT7G IC 7-pin with temporary construction core (Green) CT6D 6-pin LFIC Disposable CT7D 7-pin LFIC Disposable CTP Pyramid LFIC CTPD Pyramid LFIC Disposable CT6SD 6-pin SFIC Disposable CT7SD 7-pin SFIC Disposable

Interchangeable Core Rim



CR30	8	0	–	178	–	6	–	L4	x	Finish	x	Option

Core	Function	Tailpiece Length	Pins	Keyway	Finish*	Temporary Core
3 Pyramid 4 SFIC Housing Only (No Core) 8 Standard 9 Security (6-Pin only) 7 Housing only (no core)	0 Standard 7 Pyramid Security	058 5/8" 114 1-1/4" M61 & M62 option for ED8200 and obsolete ED9200 exit device alarms 178 1-7/8" (std. door) 178V 1-7/8" vertical tailpiece 318 3-1/8" (thick door) **Tailpiece Orientation** std Horizontal V Vertical (Not Available for 114 length)	6 (standard) 7	(see pages 31-39)	605 606 611 612 613 622 625 626 629 630 722 BSP WSP	CT6R IC 6-pin with temporary construction core (Red) CT6B IC 6-pin with temporary construction core (Blue) CT6G IC 6-pin with temporary construction core (Green) CT7R IC 7-pin with temporary construction core (Red) CT7B IC 7-pin with temporary construction core (Blue) CT7G IC 7-pin with temporary construction core (Green) CT6D 6-pin LFIC Disposable CT7D 7-pin LFIC Disposable CTP Pyramid LFIC CTPD Pyramid LFIC Disposable CT6SD 6-pin SFIC Disposable CT7SD 7-pin SFIC Disposable

*All plugs and shells for LFIC cylinders are provided in 606 or 626. Housings are provided in the finish of the lock hardware order

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Interchangeable Core

How to Order

Key Systems

Core Only



Description	Number	Remarks	EMK Blank
6-pin for CL3129	CR8001-031	Hotel indicator pin	E8 Suffix
7-pin for CL3129	CR8001-031-7	Hotel indicator pin	E8 Suffix
6-pin standard	CR8000	Set to hotel mortise EMK	N/A
6-pin standard	CR8000EMK	-E1 suffix	
Security	CR8010EMK	Set to hotel mortise EMK	N/A
Security	CR8010		-E1 suffix
7-pin	CR8000-7	Hotel indicator pin	N/A
6-pin for CL3329, CL3629	CR8001-034	Hotel indicator pin	-E8 suffix
7-pin for CL3329, CL3629	CR8001-034-7	Hotel indicator pin	-E8 suffix
6-pin for CK4229	CR8001-042	Hotel indicator pin	-E4 suffix
Security for CK4229	CR8011-042		-E4 suffix
Pyramid High Security	CR8020		N/A
Pyramid Security	CR8027		N/A

Specify Keyway
Finishes: 606 & 626 only
Uncombinated cores: Specify “UC”. Keys not provided. Not applicable for 8000EMK, 8010EMK

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Standard Function
Security Mortise



CR10	1	0	–	118	–	A01	–	6	–	L4	–	x	Finish	x	Option

Mechanism	Function	Length	Cam (see page 40)	Pins	Keyway	Finish	Uncombinated
1 Standard 9 IC (available) 1-1/4" 1-3/8" 1-1/2" 1-3/4" 2" 2-1/4"	0 Standard 1 Hotel	118 1-1/8" 114 1-1/4" 138 1-3/8" 112 1-1/2" 134 1-3/4" 200 2" 214 2-1/4" 212 2-1/2" 234 2-3/4"	A01 Cloverleaf A02 Straight A03 Adams Rite® MS and DL3000 Deadlock A04 DL4000 Deadlock A05 *Adams Rite* 4070 A06 Schlage® Cloverleaf A07 DL4100 A62 MR Straight / CR900 Series Mullion A92 Exit GripTrim 01 & 02 A93 Obsolete deadlocks: Corbin® 610 Series and Russwin® 1403 Series	6 -pin only	(see pages 31-39)	605 606 611 612 613 613E 622 625 626 629 630 722 BSP WSP	UC

Special Function Security Mortise

Hotel Function Security Mortise

Change key and all normal master keys have limited rotation to retract latchbolt only. Emergency Master Key (EMK) and display key turn 360° for additional operation of deadbolt. EMK and display key requires 7-pin key blank for standard cylinders and -E1 suffix blank for IC cylinders.

Cylinder Number	Description
CR1011-114-A01*	1-1/4" Cloverleaf cam only
CR1091-138-A01	IC version 1-3/8"
CR1071-138-A01	IC housing only

*1011 cylinder not available with D1, D2, L1 or L2 keyways

Cylinder Number	Cam
CR1012-114-A01	Cloverleaf cam
CR1012-114-A02	Straight cam
CR1012-114-A03	DL 3000 Series Adams Rite® MS cam
CR1012-114-A04	DL4000 Series Deadlock
CR1012-114-A05	*Adams Rite* 4070
CR1012-114-A93	Obsolete 610/1403 Deadlock

Cylinder Number	Change Key	Cam
CR1014-118-A02	Clockwise	Straight
CR1015-118-A02	Counter-Clockwise	Straight

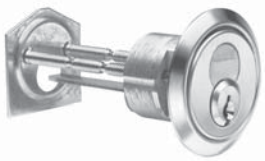
Folger Adam® NS400 Series x LEK uses A02 cam version.

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Security Rim



Standard

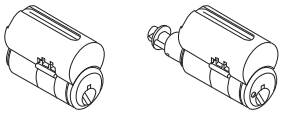


Interchangeable Core

CR3	0	1	0	–	200	–	6	–	L4	x	Finish	x	Option

Mechanism	Function	Tailpiece Length		Pins	Keyway	Finish	Uncombinated
		For 3010 Only	For IC				
1 Standard 9 IC	0 Standard	138 1-3/8" M61& M62 option for ED8200 and obsolete ED9200 exit device alarms	114 1-1/4" M61 & M62 option for ED8200 and obsolete ED9200 exit device alarms	6-pin only	(see pages 28-36)	605 606 611 612 613 613E 622 625 626 629 630 BSP WSP	UC
		200 2" (Std. door)	178 1-7/8" (Std. door				
		200V 2" vertical tailpiece	178V 1-7/8" vertical tailpiece				
		312 3-1/2" (thick door)	318 3-1/8" (thick door)				
		312V 3-1/2" vertical tailpiece					

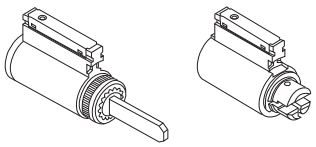
Security Cores Only



Description	Core Number	Remarks	EMK Blank
Standard	CR8010		N/A
For 1091	CR8010	EMK Set to hotel mortise EMK	-E1 suffix
For CK4229	CR8011-042	Hotel indicator pin	-E4 suffix

Specify Keyway. Available uncombinated, except CR8010EMK.
Finishes: 606 & 626 only

Key-in-Knob/Key-in-Lever



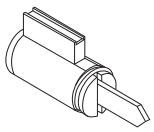
Lockset	Cylinder Number
CL3100	CR2010-031
CL3300, CL3500, CL3800, CL3600 Series (June 2000 and after)	CR2010-033
G1055 exit device knob trims	CR2010-033H
CL3300, CL3600 Series (Prior to June 2000)	CR2010-034
CL3800 Series (obsolete 1993-1997 model)	CR2010-038
CL3900 Series	CR2010-039
CL3900 Series (2", 2-1/4" Thick Door)	CR2010-039L
B2, G2 Exit Device Knob Trim	CR2010-051
CK4200 and UT5200 Series	CR2010-052
CK4229 Hotel Function	CR2011-052
CK4300 Series	CR2010-031H

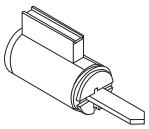
Specify Keyway. Available uncombinated.
Use -E4 suffix for EMK blank. Finishes: 606, 626

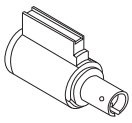
DL2200/DL3200 Deadbolts Cylinder

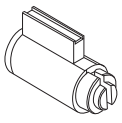
Function	1-3/8" or 1-3/4" (Standard)		2" or 2-1/4"	
	Cylinder	Tailpiece	Cylinder	Tailpiece
11, 13, 17	CR4410-134-A51	753F768	CR4410-134-A51	753F768
12	CR4410-134-A52	753F778	CR4410-214-A52	753F788

Other Manufacturers' Products









Vertical Tailpiece		Horizontal Tailpiece			
Alarm Lock DL2500 Series	CR2210-001-A21	*Schlage* D Series Knobs	CR2210-002-A21	*Sargent* 7, 8, 9 Line (enlarge knob hole) CR2210-008	Yale® 5400, 6200 Knobs (enlarge knob hole) CR2210-054
Arrow® H Series Knobs & Levers	CR2210-001-A21	*Schlage* A Series Knobs (PLY, etc.)	CR2210-002-A22		
Arrow Q Series Levers	CR2210-001-A21	*Schlage* A Series Knobs (ORB, only)	CR2210-002-A23		
Sargent® 10 line (Enlarge lever hole)*	CR2210-001-A21	Available Uncombinated. Finishes: 606, 626			
Schlage® D Series Levers	CR2210-001-A21				
Schlage AL and ND Series Levers	CR2210-001-A22				
Lockwood H Series Knobs (enlarge knob hole)	CR2210-003-A24				

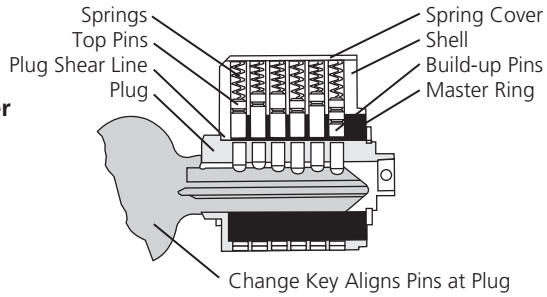
*Or order Sargent 10 Line locks with 30 prefix.

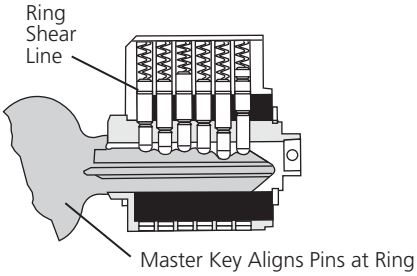
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Master Ring

Key Systems

- **Greater master keying capacity**
- **Superior keying flexibility**
- **Greater security in each cylinder**





Advantages

6-pin Master Ring keying systems offer keying capacity similar to 7-pin conventional cylinder systems.

There is, however, far greater flexibility for asymmetrical keying systems, because change key combinations do not require any direct relationship to those of master keys. In conventional systems, combinations not needed under a given master key cannot be used elsewhere in the system. In master ring, they can. This frees thousands of combinations for use anywhere within a master ring system.

Since the master keys all have their own shear line, fewer master pins are used, increasing cylinder security. This security enhancement reduces the chances of cylinders being manipulated by stray keys. It also hinders surreptitious entry by picking and impressioning.

When planned from the inception of a keying system, conventional cylinders may be integrated into specific parts of a Master Ring system for areas where the required hardware does not accommodate the large Master Ring cylinders.

Applications

Corbin Russwin Master Ring cylinders are especially recommended for installations which require large and complicated keying systems, such as hospitals and universities.

Field Serviceability

Corbin Russwin Master Ring cylinders are fully field serviceable.

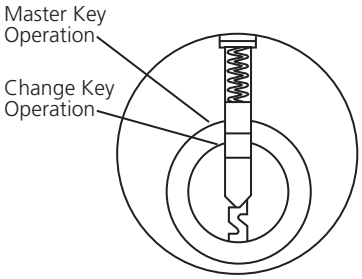
Note: Master Ring cylinders are not available uncombinated.

Key Control

Restricted and protected keyways are available.

Construction Master Keying

When planned from the inception of a keying system, construction master keying is available.



Operation

The change key rotates the cylinder plug only. Master keys operate at the master ring, which is a sleeve around the plug.

Cylinder Marking

Visual Key Control (VKC) and Concealed Key Control (CKC) are available for Master Ring cylinders.

Ordering Locksets and Exit Devices with Master Ring Cylinders

For specific product availability and Quick Codes for cylinder options, see "How to Order" in each catalog section.

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Master Ring

How to Order

Key Systems

Standard Master Ring Mortise

(1-1/2" diameter; .552" diameter plug)



Type	Length	Cam	Pins	Keyway	Finish
CR1060	100 1" (5-pin only)	(see page 40)	5 (1" length only)	(see pages 31-39)	605
	118 1-1/8"	A61 Cloverleaf*	6 (standard)		606
	114 1-1/4"	A62 Straight	7 (Available 1-3/8" only)		611
	138 1-3/8"	A63 Large Short			612
	112 1-1/2"	A64 Large Long			613
	134 1-3/4"	A65 Cloverleaf (formerly 11A)			613E
	200 2"				618
	214 2-1/4"	*A61 is for locks made after 5/93; requires thumbturn hub 562F41-2			619
	212 2-1/2"				622
	234 2-3/4"				625
	300 3"				626
					722
					BSP
					WSP

Flexible Head Master Ring Mortise

(1-1/2" diameter; .552" diameter plug)



Type	Length	Cam	Pins	Keyway	Finish
CR1160	100 1" (6-pin only)	(see page 40)	6 (standard)	(see pages 31-39)	605
	118 1-1/8"	A61 Cloverleaf*			606
	114 1-1/4"	A62 Straight			611
		A63 Large Short			612
		A64 Large Long			613
		A65 Cloverleaf (formerly 11A)			613E
					618
		*A61 is for locks made after 5/93; requires thumbturn hub 562F41-2			619
					622
					625
					626
					722
					BSP
					WSP

Dummy Master Ring Mortise



Cylinder Number	Length
CR1460-118	1-1/8"
CR1460-114	1-1/4"
CR1460-138	1-3/8"
CR1460-112	1-1/2"
Finishes: 605, 606, 611, 612, 613,	618, 619, 622, 625, 626, 722

Master Ring Rim

(1-1/2" diameter; .552" diameter plug)

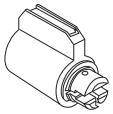


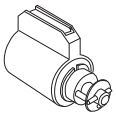
Cylinder Number	Description
CR3060-200	Standard horizontal tailpiece
CR3060-312	Thick door, horizontal tailpiece
CR3060-200V	Vertical tailpiece
CR3060-312V	Thick door, vertical tailpiece
Finishes: 605, 606, 611, 612, 613, 618, 619, 622, 625, 626, 722, BSP, WSP	

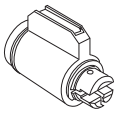
*Not available "UC" uncombined

CK4200 & UT5200 Series Lockset

Specify keyway (.552" diameter plug)

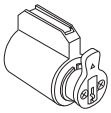


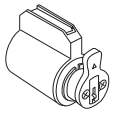


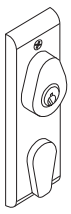


Standard Cylinder CR2060-052	With Indicator Pin for CK4229 Hotel CR2061-052	Discount. Ronde & Continental Knob CR2160-052
Finishes: 606, 626		

Exit Device Operators







For ED6800 x B5 or B6 For ED7400 x 03 or 04 CR4266-001-A02	For ED6800 x 01 or 02 CR4266-001-A92
Finishes: 606, 626	

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Description

Pyramid cylinders are available in both high security and security versions. The high security version is certified by Underwriters Laboratories to UL437 standards.

Applications

Especially recommended for installations requiring superior protection against picking, drilling and other surreptitious entry. Ideally suited for Educational and Healthcare facilities, Industrial and Commercial buildings.

System Administration & Key Control

Key control will be maintained through compliance with Corbin Russwin's Security Policy: for a copy contact Key Systems Administration or visit our web site at www.corbinrusswin.com.
All new Pyramid systems will require a completed System Information Document (orders cannot be entered without this document). The fully executed original document will be kept on file at Corbin Russwin Key System Administration. For all subsequent orders a letter of authorization will be required if the product is shipped to an address other than what is recorded on the System Information Document and/or if the address on the purchase order is different than what is listed on the System Information Document. Note that Key System Administration will not keep blanket letters of authorization on file.

Product Specification

All cylinders shall employ a protected locking mechanism that requires the use of a protected key and is furnished with a minimum of 7 pins. High Security cylinders shall meet the requirements of UL437. Interchangeable cores shall meet the drill resistance and pick resistance of UL437.

Keys shall be nickel silver and furnished with a large bow.

Features	Benefits
• High security protection (UL437) standard	• Underwriters Laboratory listing for resistance to picking & drilling
• 7-pin	• Greater master keying capabilities • Uses existing 6-pin interchangeable core housings • 1-1/4" (32mm) length for mortise cylinders
• Available with stainless steel pins	• Drill and pick resistant
• Large key bow	• Easy handling & special stamping options
• Thicker and stronger nickel silver keys	• Ideally suited for high usage & abusive applications
• User friendly	• No expensive dedicated equipment necessary for key cutting

Certifications

BHMA A156.5 Grade-1
E09211A* (Mortise)
E09221A* (Rim)
E09231A* (Bored Lock Cylinders)
*A (suffix) refers to cylinders of pick and drill resistance.

UL Underwriters Laboratories Inc.
(UL437)BP8976
CR1020, CR2020, CR3020 Fixed Core (FC) series only

Finishes

Pyramid cylinders are available in all Corbin Russwin standard finishes.

Keying

7 pin with two nickel silver change keys per cylinder. Pyramid fixed core security cylinders may be uncombinated (specify UC)[1], master or grand master keyed to a specific facility. Note: Pyramid cylinders are not available "0" bitted.

Keys shipped separately for master keyed cylinders.

System Specifications

- Pyramid systems are independent and cannot be keyed into existing and/or conventional systems.
- Pyramid cylinders are to be keyed to factory-generated bittings only.
- Cross keying is not available.

Key Discard Policy & Warranty

See page 49.

Construction Master Keying

Pyramid cylinders are not available construction master keyed. Interchangeable core jobs can be furnished with temporary construction cores. Temporary construction cores will be unrelated to the permanent system's master key. When the permanent cores are installed, the temporary construction cores are returned to Corbin Russwin for credit.

How to Order Example

1. Mortise lock with temporary construction core
   Qty. - ML2051 - LSA - 626 - RHR - CTP
2. Mortise cylinder with temporary construction core
   Qty. - CR1080-114-A01-626-CTP
3. Permanent core ordered separately
   Qty. - AA1 - CR8020 - 626

Pyramid Quick Codes[2]

PS	Pyramid Security Fixed Core
PCS	Pyramid Security Interchangeable Core
PHS	Pyramid High Security Fixed Core
PCHS	Pyramid High Security Interchangeable Core
CTP[3]	Pyramid with Temporary Construction Core
CLP[3]	Pyramid Less Core

1. UC cylinders are supplied, less keys, pins, springs and pin covers.
2. When cylinders are ordered with locks.
3. Pyramid cores to be ordered as a separate line item.

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Performance Features

Shell
- Locking pin mechanism
- Hard metal inserts

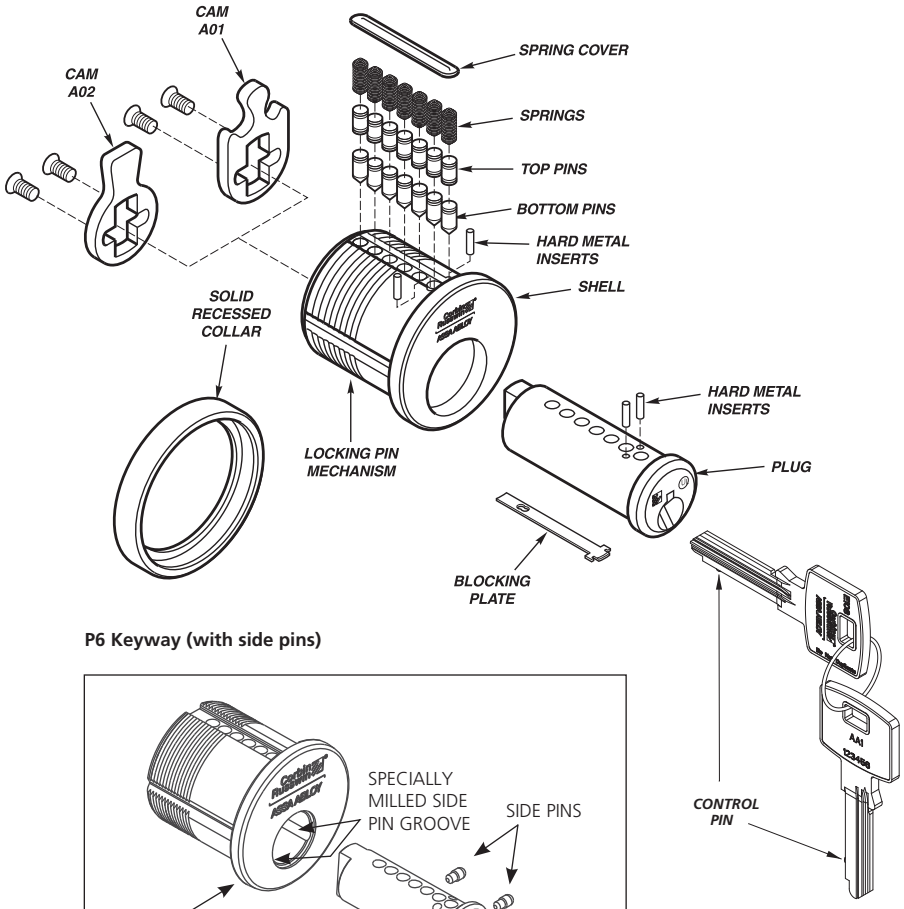
Key
- Control pin

Plug
- Blocking plate
- Hard metal inserts

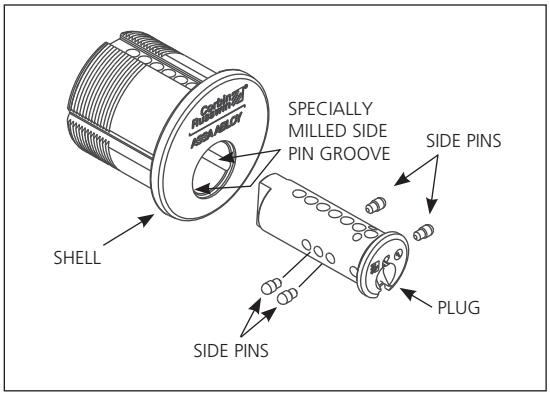
Pins & Springs
- Hardened stainless steel pick-resistant bottom pins*
- Hardened stainless steel pick-resistant top pins*
- Hardened stainless steel pick-resistant master pins (if required)*
- Hardened stainless steel pick-resistant build-up pins (if interchangeable core)*
- Springs

Collar
- Solid recessed (mortise)

* Hardened stainless steel pins used for UL437 High Security versions only. Pyramid Security version uses nickel silver bottom pins and brass master, build-up and top pins.



P6 Keyway (with side pins)



Operation



Without Key
Locking pin mechanism engages blocking plate and prevents the plug from turning.



With Key
Key's control pin depresses the locking pin mechanism and allows the plug to turn.

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Keys

- Nickel silver
- Key Bow Type 28
- Ordering example: 7PIN-28-XXXX
  - Keyway
- Ordering example P6 Keyway:
  7PIN-28-XXXX-SPCXX
  - Keyway
  - Side Pin Code

Back Side Stamping & Options

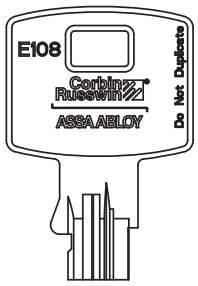
- Key set (VKC1), standard – unless otherwise indicated
- System registry number will be stamped on upper-level keys unless otherwise indicated
- Concealed key control (CKC2) available on cylinders
- Visual key control (VKC2 and VKC3) not available on cylinders. CKC3 also not available.

Note: Refer to Corbin Russwin's general catalog and price book for complete detailed information.

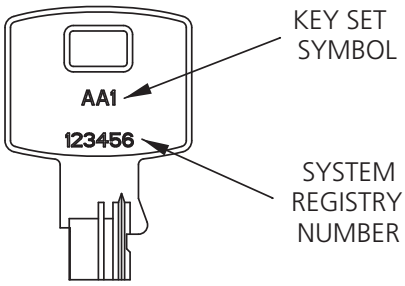
Keyway Security

Pyramid keyways will be determined by the supervisor of Key Systems Administration. Assignment will be based on the overall system requirements and geographic location to provide maximum protection to the owner. For security reasons, the keyway profiles are not shown.

Front Side



Back Side



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Mortise Cylinders

Mortise Locks/Deadlocks

Mortise Locks/Deadlocks

For use with all Corbin Russwin ML2000, ML2000HS and ML2200 (discontinued) mortise locks. DL4000 & DL3000 Series Deadlocks.

Mortise Exit Devices

For use with ED7600 and ED6600 devices.



Conventional Fixed Core (FC)



Interchangeable Core (IC)

Type	Length	Cam	Finish
CR1020 - High Security Mortise CR1027 - Security Mortise CR1030 - High Security IC Mortise complete CR1037 - Security IC Mortise complete CR1070 - Housing only	**CR1020/CR1027 - Non-IC (Fixed Core)** 114 - 1-1/4" (32mm) 112 - 1-1/2" (38mm) *See note #3 **CR1030/CR1037/CR1070 IC** 114 - 1-1/4" (32mm) 138 - 1-3/8" (35mm) 112 - 1-1/2" (38mm 134 - 1-3/4" (44mm) 200 - 2" (51mm) 214 - 2-1/4" (57mm) 212 - 2-1/2" (64mm)	A01 - Cloverleaf A02 - Straight A03 - Adams Rite® MS A04 - DL4000 Series A05 - Adams Rite® 4070 A06 - Schlage® Cloverleaf A07 - DL4100 A62 - 900 KRM Straight A92 - See note #1 A93 - See note #2	605 - Bright Brass 606 - Satin Brass 611 - Bright Bronze 612 - Satin Bronze 613 - Dark Oxidized Satin Bronze - oil rubbed 613E - Dark Oxidized Satin Bronze - Equivalent 618 - Bright Nickel Plated 619 - Satin Nickel Plated 622 - Flat Black Coated 625 - Bright Chromium Plated 626 - Satin Chromium Plated 629 - Bright Stainless Steel 630 - Satin Stainless Steel 722 - Black oxidized bronze, oil rubbed BSP - Black Suede Powder Coat WSP - White Suede Powder Coat

Note #1 - Not available IC
Note #2 - For obsolete Corbin® 610 and Russwin® 1403 series deadlocks
Note #3 - For ML2000 applications with door thickness exceeding 2-1/2" up to 3" in thickness, use IC cylinders.

How to Order Examples

High Security Mortise Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Length	Cam	Finish	Keyway
50	AA1	CR1020	114	A01	605	P3A1

Mortise Cylinder with a Pyramid Security Interchangeable Core

Quantity	Keyset	Cylinder	Length	Cam	Finish	Keyway
50	AA1	CR1037	114	A01	605	P3A1

Mortise Lock with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	ML2051	LSA	626	RHR	PHS (PS for Security version)	P3A1

Mortise Lock with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	ML2051	LA	626	RHR	PCHS (PCS for Security version)	P3A1

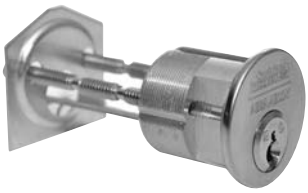
Exceptions

Pyramid cylinders are not available for the following: ML2029, ML2029HS, ML2029VR, ED7600 - applications over 2-1/4" thick, ED6600 - applications over 1-3/4" thick.

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Rim Cylinders

For use with exit devices and exit device trims.



Conventional
Fixed Core
(FC)



Interchangeable Core
(IC)

Type	Length	Availability		Finish
		FC	IC	
CR3020 - High Security Rim Cylinder CR3027 - Security Rim Cylinder CR3030 - High Security IC Rim Cylinder CR3037 - Security IC Rim Cylinder CR3070 - Housing only	058-5/8" (16mm) Tailpiece	X	X	605 - Bright Brass 606 - Satin Brass 611 - Bright Bronze 612 - Satin Bronze 613 - Dark Oxidized Satin Bronze - oil rubbed 613E - Dark Oxidized Satin Bronze - Equivalent 618 - Bright Nickel Plated 619 - Satin Nickel Plated 622 - Flat Black Coated 625 - Bright Chromium Plated 626 - Satin Chromium Plated 629 - Bright Stainless Steel 630 - Satin Stainless Steel 722 - Black oxidized bronze, oil rubbed BSP - Black Suede Powder Coat WSP - White Suede Powder Coat
	114 - 1-1/4" (32mm) M61 & M62 option for ED8200 and ED9200 exit device alarms		X	
	138 - 1-3/8" (35mm) M61 & M62 option for ED8200 and Obsolete ED9200 exit device alarms	X		
	178 - 1-7/8" (48mm) (Std. Door)		X	
	178V - 1-7/8" (48mm) vertical		X	
	200 - 2" (51mm)	X		
	200N - 2" (51mm) ED4000/ED5000 Night Latch Function	X		
	200V - 2" (51mm) vertical	X		
	312 - 3-1/2" (89mm)	X		
	312V - 3-1/2" (89mm) vertical	X		
	318 - 3-1/8" (79mm)		X	

How to Order Examples

High Security Rim Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Length	Finish	Keyway
50	AA1	CR3020	200	605	P3A1

Rim Cylinder with a Pyramid Security Interchangeable Core

Quantity	Keyset	Cylinder	Length	Finish	Keyway
50	AA1	CR3037	178	605	P3A1

Exit Device with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	ED5200	L955	630	RHR	PHS (PS for Security version)	P3A1

Exit Device with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	ED5200	L955	630	RHR	PCHS (PCS for Security version)	P3A1

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Pyramid Component (Key-in-Lever/Knob)

Key Systems

Key-in-Lever / Knob Cylinder

For use with Corbin Russwin CL3100, CL3300, CL3500, CL3700, and CL3800 lever locks, CK4200 and CK4700 knob locks and UT5200 unit locks. 2020/2027 series cylinders can also be used on CL3400, CL3600, CL3800 and CL3900 (discontinued) locks.



Conventional Fixed Core (FC)



Interchangeable Core (IC)

Type	Lockset Series	Finish
CR2020 - High Security Key-in-Lever/Knob CR2027 - Security Key-in-Lever/Knob	031 - CL3100 Lever	606 - Satin Brass 626 - Satin Chromium Plated
	031H - CK4300 Knob	
	033 - CL3300, CL3500, CL3600 (June 2000 and after) and CL3800 Lever	
	033H - G10 Exit Device Knob Trim	
	034 - CL3400 Lever - CL3600 Lever (Before June 2000) A5, N5 Obsolete ED8000 Trims	
	037 - CL3700 Lever - CK4700 Knob	
	038 - CL3800 Lever (Manufactured 1993-1997)	
	039 - CL3900 Lever (1-3/8" - 1-3/4" door)	
	039L - CL3900 Lever (2" - 2-1/4" door)	
	051 - G3 Exit Device Knob Trim	
	052 - CK4200 Knob - UT5200 Knob and Lever	

Key-in-Lever/Knob for other Manufacturers' Products

Cylinder Descriptions			
High Security (PHS)	Security (PS)	Tailpiece Orientation	Used for:
CR2220-001-P21	CR2227-001-P21	Vertical	Schlage® D Series Levers Arrow H® Series Knobs and Levers Sargent® 10 line (Enlarge Lever Hole)*
CR2220-002-P21	CR2227-002-P21	Horizontal	Schlage® D Series Knobs
CR2220-001-P22	CR2227-001-P22	Vertical	Schlage® AL and ND Series Levers
CR2220-002-P22	CR2227-002-P22	Horizontal	Schlage® A Series Knobs (Ply, etc.)
CR2220-002-P23	CR2227-002-P23	Horizontal	Schlage® A Series Knobs (ORB only)

*Or order Sargent 10 Line locks with 30 prefix.

DL2200/DL3200 Deadbolts Cylinder

Cylinder Type	Function	1-3/8" or 1-3/4" (Standard)		2" or 2-1/4"	
		Cylinder	Tailpiece	Cylinder	Tailpiece
High Security (PHS)	11, 13, 17	CR4420-134-A51	753F768	CR4420-134-A51	753F768
	12	CR4420-134-A52	753F778	CR4420-214-A52	753F788
Security (PS)	11, 13, 17	CR4420-134-A51-7	753F768	CR4420-134-A51-7	753F768
	12	CR4420-134-A52-7	753F778	CR4420-214-A52-7	753F788

How to Order Examples

High Security Component Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Lockset Series	Finish	Keyway
50	AA1	CR2020	033	626	P3A1

Cylindrical Lock with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Pyramid Quick Code	Keyway
50	AA1	CL3357	PZD	626	PHS (PS for Security version)	P3A1

Cylindrical Lock with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Pyramid Quick Code	Keyway
50	AA1	CL3357	PZD	626	PCHS (PCS for Security version)	P3A1

Exceptions

Pyramid cylinders are not available for the following: CL3329, CL3629, CK4229, CK4451, CK4455, CK4457, CK4429, CK4482, DL2100 series, DL3100 series.

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Interchangeable Core

For use with Corbin Russwin's 6-pin Interchangeable Core housings & shells.*



Type	Finish**
CR8020 - High Security IC core*	605
	606
	611
CR8027 - Security IC core*	612
	613
	613E
	622
	625
	626
	722
	BSP
	WSP

* Corbin Russwin 6-pin Interchangeable Core housings 1070 (mortise) & 3070 (rim) will accept 8020/8027 cores.

** All plugs and shells for LFIC cylinders are provided in 606 or 626. Mortise and rim housings are provided in the finish of the lock hardware ordered.

How to Order Examples

Security Interchangeable Core Ordered Separately

Quantity	Keyset	Cylinder	Finish	Keyway
50	AA1	CR8027	605	P3A1

Padlocks

Used with Pyramid Interchangeable Cores.
PL5030, PL5130, PL5230, PL5037, PL5137, PL5237



How to Order Examples

Padlock with a Pyramid High Security (CR8020) Interchangeable Core Cylinder

Quantity	Keyset	Series/Function	Shackle Length	Keyway
50	AA1	PL5030	258	P3A1

*Refer to general catalog for miscellaneous options.

Padlock with a Pyramid Security (CR8027) Interchangeable Core Cylinder

Quantity	Keyset	Series/Function	Shackle Length*	Keyway
50	AA1	PL5037	258	P3A1

Deadlocks

Used with Pyramid mortise cylinders. (DL3000 and DL4100)
Available in all standard finishes.



How to Order Examples

Deadlock with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	DL4113	626	RHR	PHS (PS for Security version)	P3A1

Deadlock with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Finish	Pyramid Quick Code	Keyway
50	AA1	DL4113	626	PCHS (PCS for Security version)	P3A1

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Corbin Russwin
ASSA ABLOY

Bump Resistant Cylinders

Key Systems

Protect your building from unwanted entry with Corbin Russwin bump-resistant cylinders. Our bump-resistant cylinders deter bumping without compromising the cylinder's structural integrity and strength. This option is available with Corbin Russwin conventional and Pyramid protected security and high-security cylinders on our mortise, cylindrical and exit device hardware.

Recently, a lot of information has been circulating about bumping, a technique used to defeat cylinders. Although this method has been around for a number of years, the internet has increased public awareness. Bumping is when a "bump key" is inserted into the cylinder and struck using a mallet or hammer type object. The bump key is specifically designed to transfer the energy from the force of the blow to create a separation in the cylinder's pins which compromises the lock allowing it to open.

Although BHMA has yet to establish bump-resistance standards, Corbin Russwin Bump Resistant Cylinders were tested and verified by an independent testing lab. They conclusively resisted bumping attack and did not allow entry. Verification and testing data is available upon request.

Bump-Resistant Cylinders:
- Specify "BRP"

Retrofit:
- Convert existing cylinders with Bump-Resistant Top Spool Pins

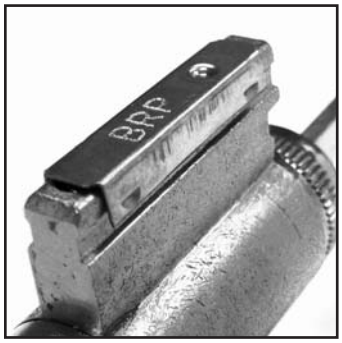
Features
Bump-resistant cylinders are designed for use with all Corbin Russwin locking hardware:
- Cylindrical locks
- Mortise locks
- Exit devices
- Access control locks
- Unit locks
- Auxiliary locks

Factory bitted, a symbol BRP is stamped onto pin cover/slides. Interchangeable core cylinders are not available with bump-resistant pinning.



BRP pinned mortise cylinder


BRP pinned rim cylinder



BRP pinned key-in-lever cylinder

Bump-Resistant Top Spool Pins

Description	Part Number	Qty
Conventional	628F10-7-171	Vials of 100 pcs.
Pyramid A	628F10-7-142	Vials of 100 pcs.
Pyramid C	628F10-7-236	Vials of 100 pcs.

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45078 6/19

L4	–	6-Pin	–	1	–	0

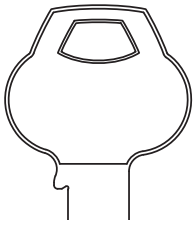
Key Sections	Length	Bow Shape	Bow Marking
(see pages 31-40)	Indicate 5-, 6-, 7-pin	1 Standard 5 Large 9 Security	0 Coined Logo 1 Plain 2 DND 3 US property DND 9 Restricted DND

Standard Bows



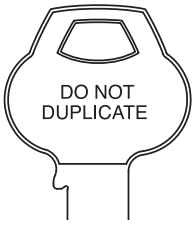
10

The standard bow furnished for all non-restricted keyways unless otherwise specified. The other side is blank.
Example: L4-6PIN-10.



11

Blank both sides, for use when more area is required for stamping, such as custom die stamps. Not for use with restricted keyways.
Example: L4-6PIN-11.



12

This bow enhances key control for non-restricted Corbin Russwin keyways. Other side blank. Example: L4-6PIN-12.



13

For use only on U.S. Government projects.
Example: L4-6PIN-13.

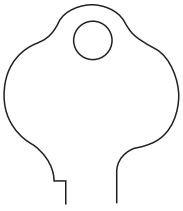
Protected and Restricted Keys

10, 50 and 90 bow shapes are designated as 19, 59 and 99 for protected and restricted keyways. They are stamped this way on the thumb side. Other side blank.

RESTRICTED
DO NOT
DUPLICATE

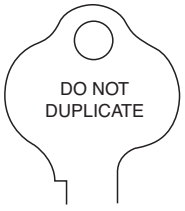
This stamp is not available for keys which are not protected and or restricted. Protected keyway keys will be stamped restricted.

Large Bows



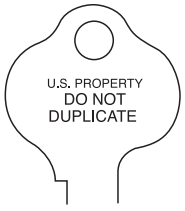
51

Blank both sides. Recommended for special die stamps or large amounts of stamping, and for Control and Emergency Master Keys. Not available for 752, 852 or A Class keyways.
Example: L4-6PIN-51.



52

Recommended for non-restricted keys which need extra space for special stamping. This bow also enhances key control for other Corbin Russwin keys. Not available for 752, 852 or A Class keyways.
Example: L4-6PIN-52.



53

For use only on U.S. Government projects. Recommended for use when a large amount of stamping is required. Not available for 752, 852 or A Class keyways.
Example: L4-6PIN-53.

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Security Bows (Inactive - for Existing Systems Only)

90

Standard bow for security keys. Example: L4-6PIN-90.

91

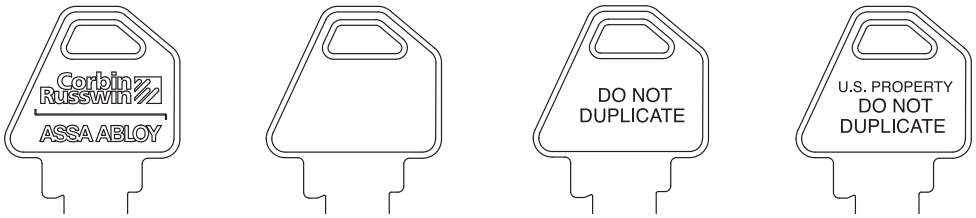
Blank both sides for security keys where extra stamping is required. Not for use with restricted keyways. Example: L4-6PIN-91.

92

This bow enhances key control for non-restricted security keys. Other side blank. Example: L4-6PIN-92.

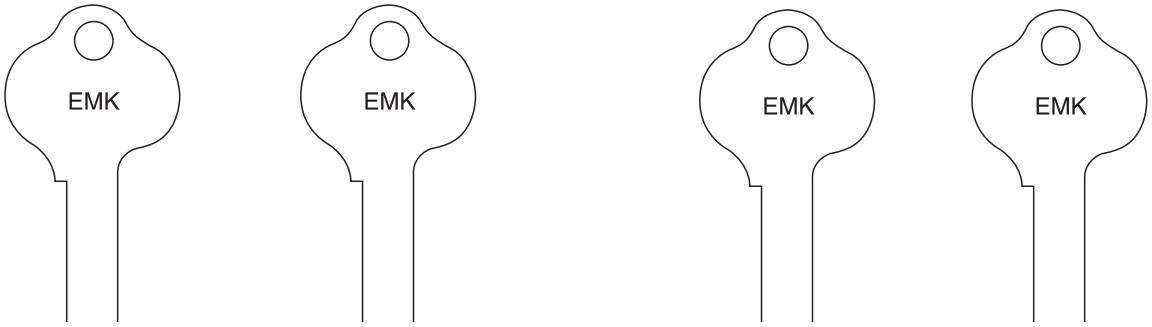
93

For use only on security keys for U.S. Government projects. Example: L4-6PIN-93.



Hotel Security Key Blanks

Standard hotel function mortise cylinders CR1001 and CR1011 use 7-pin Emergency Key blanks. The 51 bow is suggested e.g., L4-7PIN-51. All other Corbin Russwin hotel function cylinders require keys with a special undercut tip. The four variations are shown below.



-E1 Suffix

For interchangeable core mortise cylinder CR1081 (conventional) and CR1091 (security). Available 6-pin only. Examples: L4-6PIN-51-E1 or L4-6PIN-90-E1.

-E8 Suffix

For CL3329 and CL3629 and obsolete CL3429 key-in-lever locksets, fixed core and IC. Available 6- and 7-pin. Example: L4-6PIN-51-E8.

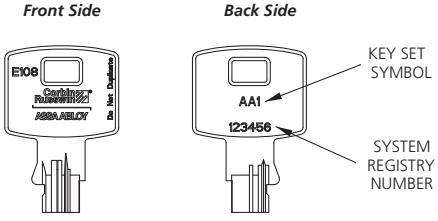
-E4 Suffix

For CK4229 locksets, fixed core and IC, conventional and security. Also for CK4429. Available 5- or 6-pin. Examples: L4-6PIN-51-E4 or L4-6PIN-90-E4.

-E5 Suffix

For obsolete 1429, 3333EM, 4333EM and 5629 key-in-knob locksets. Available 5- and 6-pin. Example: L4-6PIN-51-E5.

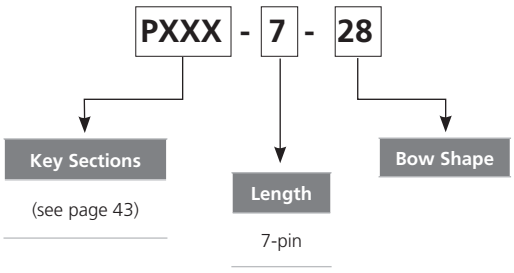
Pyramid Bow



28

Standard bow furnished for all Pyramid keys.

Ordering Example



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Multiplex/Simplex Keyways

Multiplex keyways can be used together to expand a keying system. A simplex keyway is independent, stands alone and cannot be tied into any other keyway to expand a keying system.

All/Multi-Section/Single Section Keys

All/Multi-section keys can be used on more than one cylinder with different sections. For example: a key cut on the L41 multi-section keyblank will pass cylinder in the L1, L2, L3 and L4 keyways. Single section keys can be used with cylinders of the same section. For example: a key cut on the L4 single section keyblank will only pass a cylinder in the L4 keyway.

Active Keyways

Keyways which are available for new Corbin Russwin keying systems are considered active. In the case of new master key systems, the factory reserves the right to select the keyway from a range of standard keyways, based on usage in a particular geographical area.

Inactive Keyways

Many older Corbin Russwin keyways are designated inactive. **No new systems** shall be established on these keyways. However, they continue to be available to support existing keying systems.

Restricted Keyways

For security reasons, these keyway profiles are not shown.

Protected Keyways

Key Systems Administration reserves the final decision as to which protected keyway family will be selected. A notice of acceptance showing the facilities name, address and contact information is required before orders can be processed For security reasons, these keyway profiles are not shown.

Pyramid Keyways

Pyramid keyways are only available for Pyramid cylinders and separate specifications are used from conventional Corbin Russwin keying systems. For security reasons, these keyway profiles are not shown. All new Pyramid systems will require a completed System Information Document (orders cannot be entered without this document). The fully executed original document will be kept on file at Corbin Russwin Key System Administration. For all subsequent orders a letter of authorization will be required if the product is shipped to an address other than what is recorded on the System Information Document and/or if the address on the purchase order is different than what is listed on the System Information Document. Note that Key System Administration will not keep blanket letters of authorization on file.

Bitting Classes

Corbin Russwin has several sets of dimensional standards for bitting (cutting) keys. If the wrong specifications are used when making keys on code machines in the field, they will not operate in conjunction with factory supplied cylinders and keys. The bitting class is given for each group of keyways. All bitting specs are available in the Corbin Russwin cylinder manual.

L Series (Corbin Russwin)

4 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.
Reverse of D Series.

Security

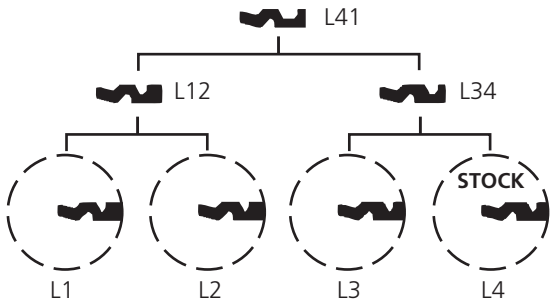


Available

All-Section Key

Multi-Section Key

Cylinder Keyway and Single Section Key



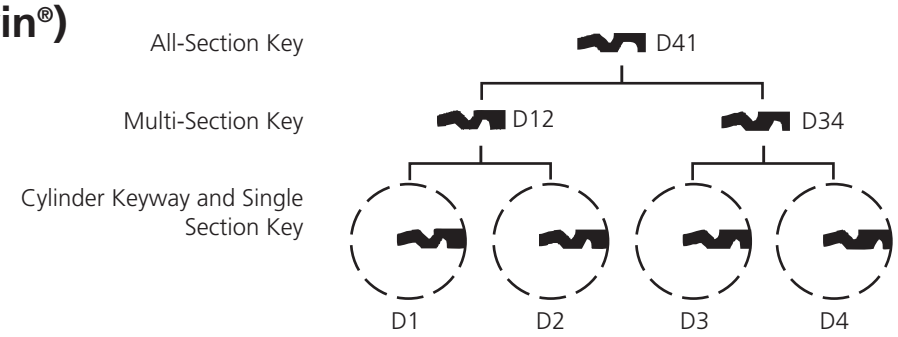
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D Series (Russwin®)

4 keyway multiplex system.
Available 5-, 6- and 7-pin.
DH Class bitting.
Reverse of L Series.

Security

Available

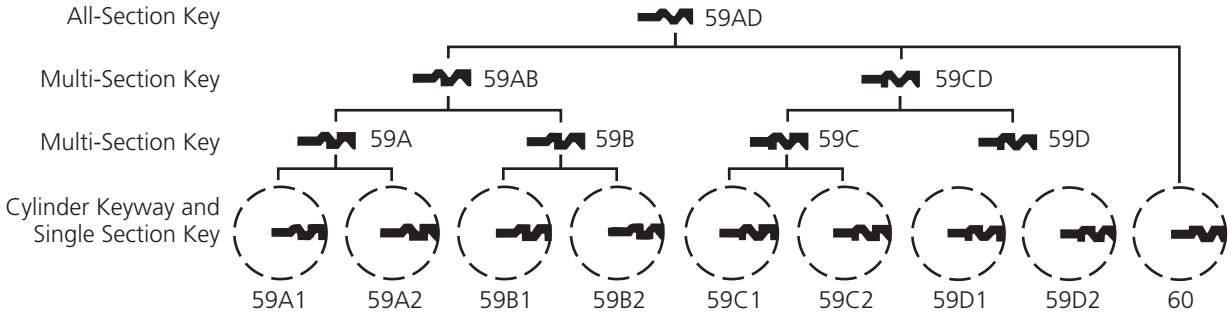


59 Series (Corbin®)

9 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

Security

Available

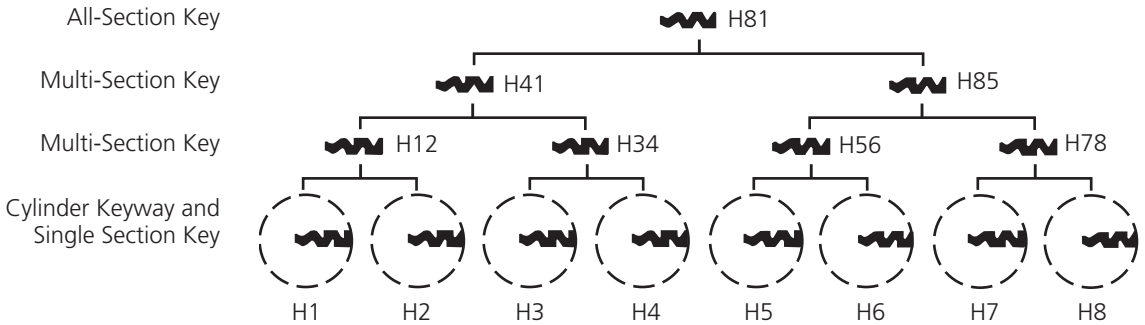


H Series (Russwin)

8 keyway multiplex system.
Available 5-, 6- and 7-pin.
DH Class bitting.

Security

Available



70 Series (Corbin)

Simplex Keyway.
Z Class bitting.
Reverse of 60.

Security

Available



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62 Series (Restricted)

Keyway profiles not shown for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

Security

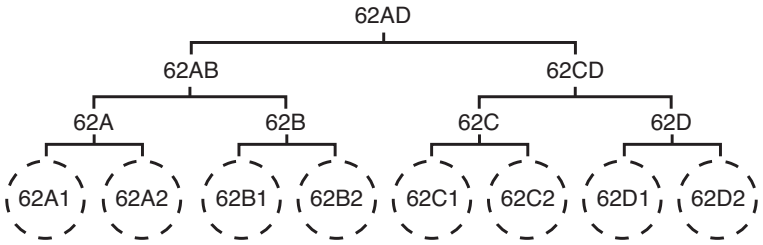
Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cylinder Keyway and Single Section Key



HO Series (Restricted)

Keyway profiles not shown for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
DH Class bitting.

Security

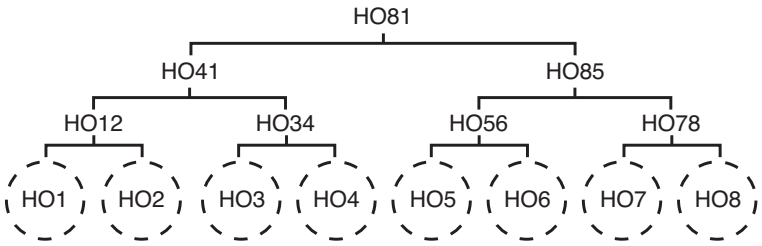
Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cylinder Keyway and Single Section Key



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Keyways

Key Systems

93 Series (Protected)

Keyway profiles not shown
for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

Security

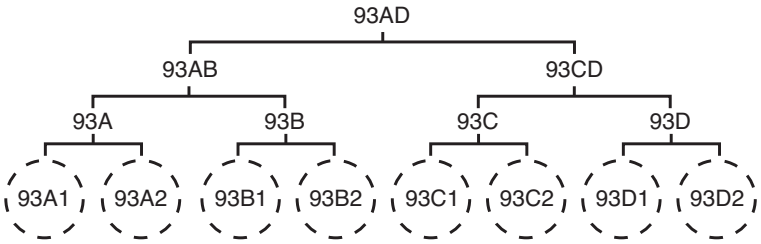
Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cylinder Keyway and
Single Section Key



39 Series (Protected)

Keyway profiles not shown
for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

Security

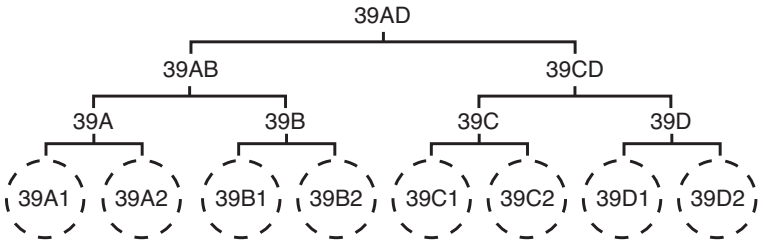
Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cylinder Keyway and
Single Section Key



F Series (Protected)

Keyway profiles not shown
for security reasons.
4 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting

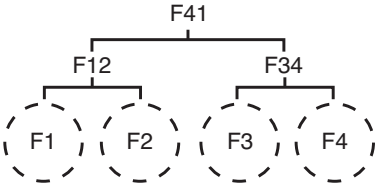
Security

Available

All-Section Key

Multi-Section Key

Cylinder Keyway and
Single Section Key



J Series (Protected)

Keyway profiles not shown
for security reasons.
4 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

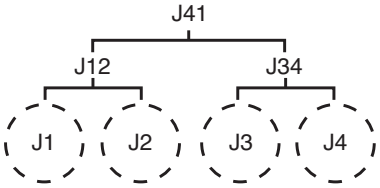
Security

Available

All-Section Key

Multi-Section Key

Cylinder Keyway and
Single Section Key



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57 Series

8 keyway multiplex system.
Available 5-, 6-, and 7-pin.
X Class bitting.

Reverses

57A1	27B2
57A2	27B1
57B1	27A2
57B2	27A1

Security



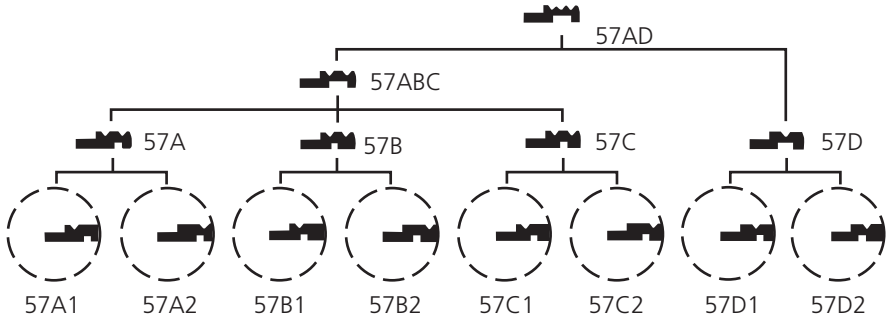
Not Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cyl. Keyway and Single Section Key



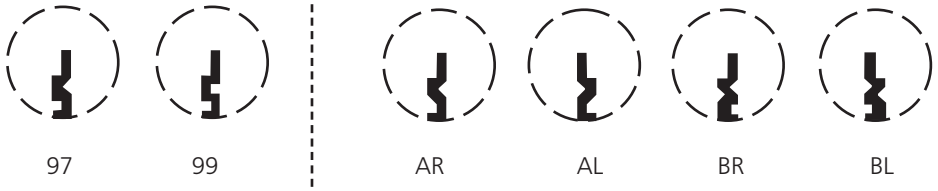
Simplex Keyways

6 independent keyways.
Available 5-, 6- and 7-pin.
X Class bitting.

Security



Not Available



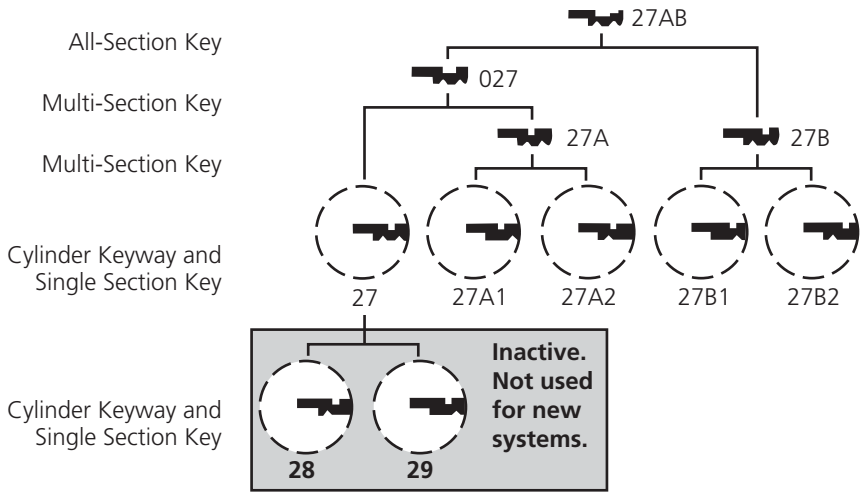
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27 Series

7 keyways total (5 active).
Available 5-, 6- and 7-pin.
X Class bitting.

Reverses

27A1	57B2
27A2	57B1
27B1	57A2
27B2	57A1

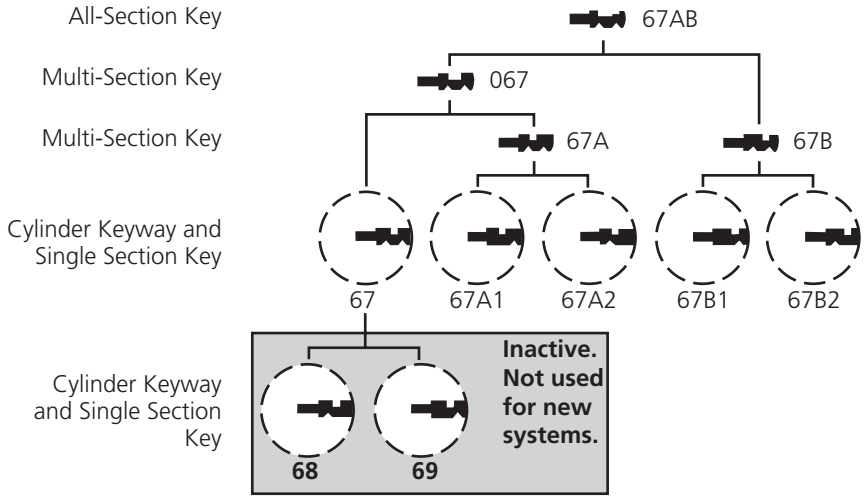


Security

Not Available

67 Series

7 keyways total (5 active).
Available 5-, 6- and 7-pin.
X Class bitting.
Reverse of 77 Series.

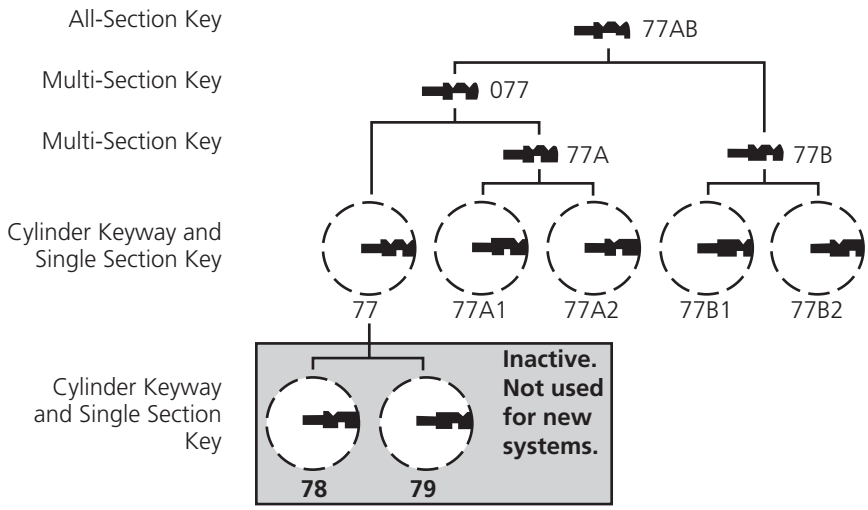


Security

Not Available

77 Series

7 keyways total (5 active).
Available 5-, 6- and 7-pin.
X Class bitting.
Reverse of 67 Series.



Security

Not Available

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981 Series

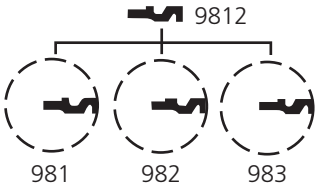
3 keyway multiplex system.
Available 5-, 6- and 7-pin.
981 Class bitting.

Security

Not Available

All-Section Key

Cylinder Keyway and Single Section Key



Former 6-pin Designations	961	962	963
Former 7-pin Designations	971	972	973

N Series (Obverse)

14 keyways total: N1- N14.
Available 5-, 6- and 7-pin.
N Class bitting.

Former Designations

6-pin: 1N-14N
5- and 7-pin: 1K-14K

Security

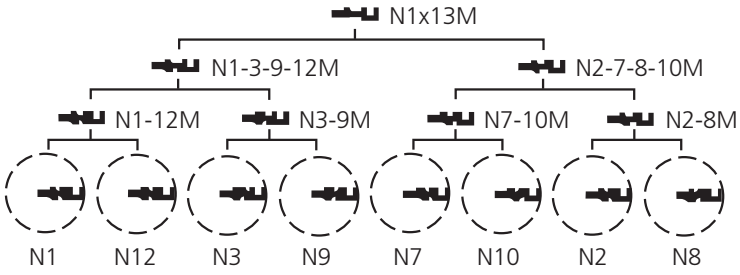
Not Available

All-Section Key

Multi-Section Key

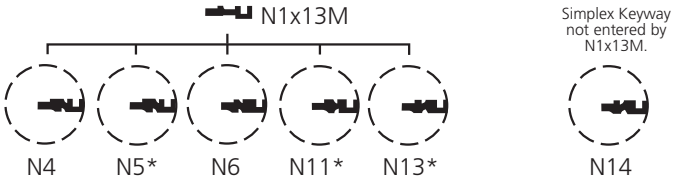
Multi-Section Key

Cylinder Keyway and Single Section Key



All-Section Key

Cylinder Keyway and Single Section Key



*NOTE: Do not use these pairs in the same keying system with each other: N1 with N13; N3 with N5; N7 with N11

N Series (Reverse)

14 keyways total: N15- N28.
Available 5-, 6- and 7-pin.
N Class bitting.

Former Designations

6-pin: 15N-28N
5- and 7-pin: 15K-28K

Security

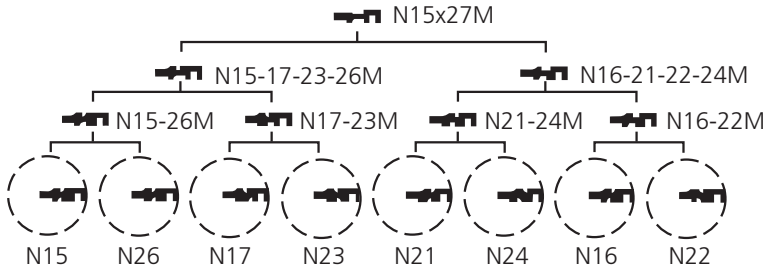
Not Available

All-Section Key

Multi-Section Key

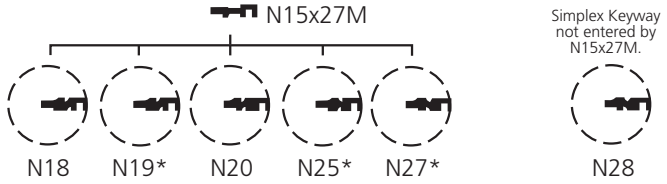
Multi-Section Key

Cylinder Keyway and Single Section Key



All-Section Key

Cylinder Keyway and Single Section Key



***NOTE: Do not use these pairs in the same keying system with each other: N15 with N27; N17 with N19; N21 with N25**

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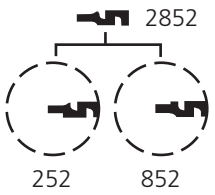
Keyways

Russwin® Inactive

Key Systems

852 Series

2 keyway multiplex system.
5-pin standard, 6-pin special.
Available with 10 Series bows only.
No hotel function cylinders.



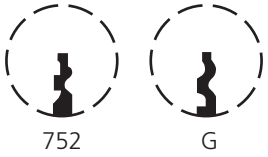
Security

Not Available

Simplex Keyways

5-pin only

752 uses 752 Class bitting
G uses 852 Class bitting
Available with 10 Series bows only.
No hotel function cylinders.



A Series (Obverse)

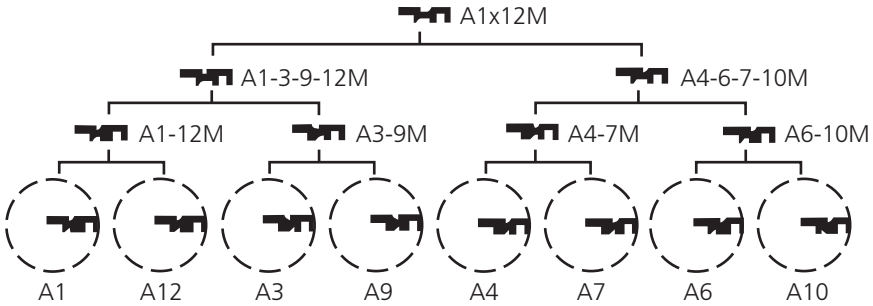
12 keyways: A1-A12.
5-pin standard, 6-pin special.
Available with 10 Series bows only.
A Class bitting.
No hotel function cylinders.

Former Designations
5-pin: 1A-12A
6-pin: 1Z-12Z

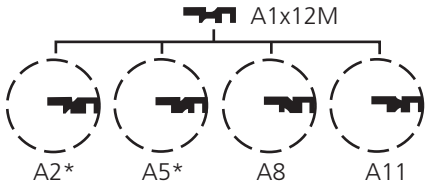
Security

Not Available

All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



All-Section Key
Cylinder Keyway and Single Section Key



* NOTE: Do not use these pairs in the same keying system with each other: A1 with A2; A4 with A5.

A Series (Reverse)

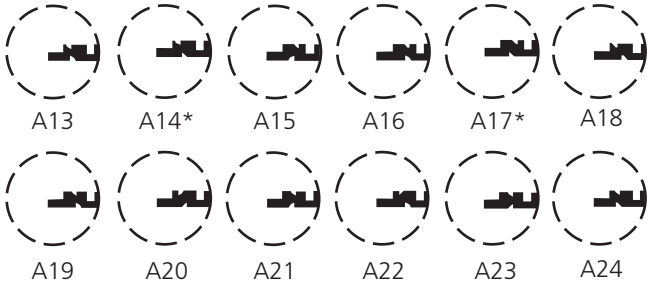
12 keyways: A13-A24.
5-pin standard, 6-pin special.
Available with 10 Series bows only.
A Class bitting.
No hotel function cylinders.

Former Designations
5-pin: 13A-24A
6-pin: 13Z-24Z

Security

Not Available

Cylinder Keyway and Single Section Key



*** NOTE: Do not use these pairs in the same keying system with each other: A13 with A14; A16 with A17.**

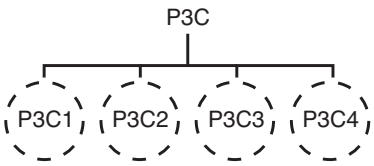
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Pyramid (Protected)

P3C Series

Keyway profiles not shown for security reasons.
4 keyway multiplex

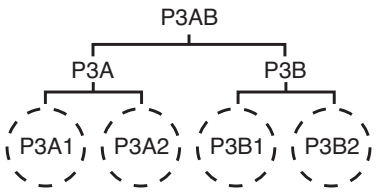
Multi-Section Key
Cylinder Keyway and Single Section Key



P3AB Series

Keyway profiles not shown for security reasons.
4 keyway multiplex

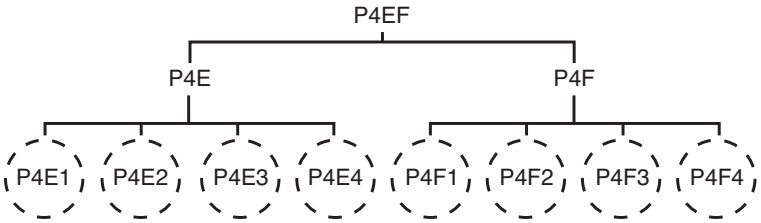
All-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



P4EF Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

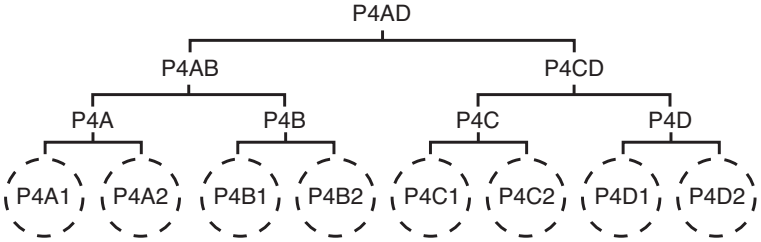
All-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



P4AD Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

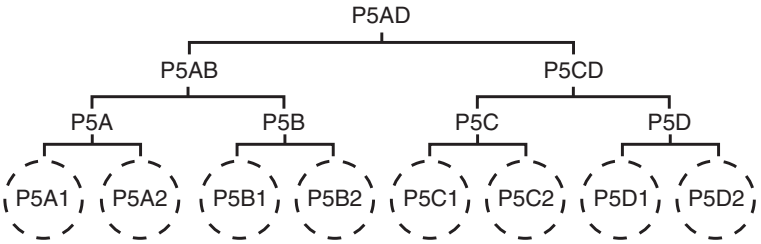
All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



P5AD Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

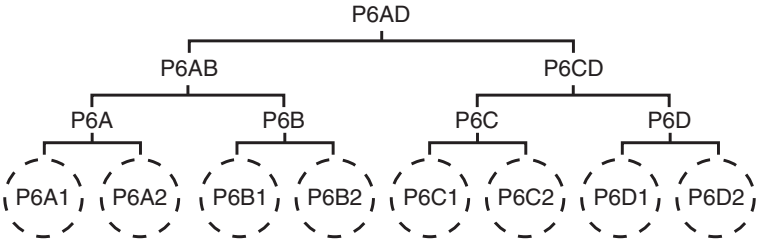
All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



P6AD Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



***Note: Each P6 keyway will have its own unique side pin code locations to be assigned by Key Systems Administration. The side pin code is not available with the other Pyramid keyway families.**

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Mortise Cylinder Cams

Lockset Applications

Key Systems

Cams for current products or models

	Type	Part Number		Model/Description
	A01	Reg. 756F50 IC	Corbin Russwin Arrow®, Marks 5000, PDQ	Steel case mortise locks except classroom and institutional privacy functions. Deadbolt functions of green cast iron case mortise locks. NOT for master ring mortise cylinders. All mortise functions using Cloverleaf cam.
	A02	Reg. 756F51 IC	Corbin Russwin Baldwin Marks	Steel case mortise lock classroom (55), inside of vestibule (42) and institutional privacy (69) functions. Most exit device trims. NOT for master ring mortise cylinders. All mortise locks. 7000, 9000 and most brands of older black cast iron locks.
	A03	Reg. 756F52 IC	Corbin Russwin Adams Rite® Lori	DL3000 Series Cylindrical Deadlocks only. 1800 Series, 4015 Deadlocks; 4500 and 4700 Series Latch Locks. CR4500, CR4600 Series Deadlocks.
	A04	Reg. 756F53 IC	Corbin Russwin	DL4000 Series Mortise Deadlocks only.
	A05	Reg. 756F54 IC	*Adams Rite*	CR4070 Series Deadlocks.
	A06	Reg. 756F55 IC	Schlage®	L9000 Series (Cloverleaf only).
	A07	Reg. 756F56 IC	Corbin Russwin	DL4100 Series Deadbolts
	A61	Reg. 562F40	Corbin Russwin	Mortise Series deadbolt function master ring locks manufactured **since June 10, 1993** (silver case). Adapt earlier (gold case) model to use this cam by installing thumbturn hub 562F41-2.
	A62	Reg. 756F58 IC	Corbin Russwin Corbin Russwin DORMA	Mortise Series Master Ring classroom (55) function and inside of vestibule (42) function mortise locksets. CR900 Series Mullion, CRWS700 Series Mullion (Both KRM) Mortise Locks
	A65	Reg. 025F72	Corbin Russwin	Mortise Series: required for master ring deadbolt functions manufactured **before June 10, 1993** (gold case) and for outside of current vestibule (42) function. Optional for current non-deadbolt functions except classroom (55) and inside of vestibule (42) function.
	A92	Reg. 756F62 IC	Corbin Russwin	Concealed vertical rod exit device outside grip handle operators 01 and 02.

Cams for obsolete Corbin Russwin products or models

 A63	121F01	Corbin Russwin	Black cast iron case master ring mortise locks, except models with 1" throw deadbolt.
 A64	135F19	Corbin Russwin	Black cast iron case master ring mortise locks with 1" throw deadbolt.
 A93	Reg. 281F27 IC 362F43	Corbin Russwin	610 and 1403 Series Cylindrical Deadlocks.

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Standard Collars +

Spring		
	253F97	.150" (5/32")
	249F43	.096" (3/32")
	549F51	.156" (5/32") - Ring only
	549F52	.219" (7/32") - Ring Only
	605F43	.350" (11/32")
	428F66	Packet: 549F52 + 253F97
	429F43	Packet: 549F51 + 249F43

Solid, Recessed for Cylinder Head		
	700F53	.090" (3/32") VR trim, double cylinder 1-1/4"
	261F54	.094" (3/32") x 2-1/4" O.D. for ED6000 with T5, T6, T9, T9M, T10, T10M, T11M trim
	270F15	.156" (5/32"); total projection 9/32"
	598F89*	.156" (5/32"); total projection 9/32"
	447F41*	.031" (1/32"); total projection 1/4"
	447F42*	.172" (11/64"); total projection 25/64"
	610FO1*	.221" (7/32"); total projection 7/16"
	610F02*	.289" (9/32"); total projection 1/2"
	654F07	.350" (11/32"); total projection 15/32"
	447F43*	.375" (3/8"); total projection 19/32"
	609F36*	.500" (1/2"); total projection 23/32"
	609F37*	.650" (21/32"); total projection 7/8"
	609F38*	.850" (27/32"); total projection 1-1/16"
	134F05	.510" (1/2") for ED6800 x B5 or G6 and all ED7400, ED7800 with 1-1/8" cylinder
	267F97	.635" (5/8") for ED6800 x O1 or O2 with 1-1/8" and ED6800 x B5 or G6 and all ED7400, ED7800 with 1-1/4" cylinder
	399F48	.750" (3/4") for ED6800 x O1 or O2 with 1-1/4" cylinder
	654F08	.550" (9/16"); total projection 11/16"

Spacers for Flexible Head Cylinders		
	370F29	.125" (1/8")
	370F31	.250" (1/4")
	252F82	.315" (5/16")

Other Solid Collars		
	416F39*	.172" (11/64") security collar; total projection 13/32"
	686F98*	.172" (11/64") security collar; total projection 13/32" (3 wave washers)
	303F25	.312" (5/16") for 1-1/8" cylinder on aluminum door

Miscellaneous		
	255F53	Rim cylinder, flush mount
	422F88	Rim cylinder, surface mount
	197F34	Wave washer

*** Number includes wave washer in packet**

+ Refer to corresponding parts and service manuals for correct cylinder collar applications and selection guide

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Cylinder Accessories

Collars and Master Ring Adapter

Key Systems

Master Ring Collars +

Solid, Recessed for Cylinder Head		
	447F44*	.031" (1/32"); total projection 1/4"
	447F45*	.172" (11/64"); total projection 25/64"
	447F46*	.375" (3/8"); total projection 19/32"
	699F81*	.505" (1/2"); total projection 23/32"
	261F55	.094" (3/32") X 2-1/4" O.D. for ED6000 with T5, T6, T9, T9M, T10, T10M, T11M trim
Spacers for Flexible Head Cylinders		
	366F70	.090" (3/32") tapered
	370F33	.094" (3/32")
	370F35	.281" (9/32")
Miscellaneous		
	255F54	Rim cylinder, flush mount
	197F35	Wave washer

*** Number includes wave washer in packet**

+ Refer to corresponding parts and service manuals for correct cylinder collar applications and selection guide

Master Ring Adapter



For installing standard diameter mortise cylinder in master ring lockset.
Specify 522F93-2.
Order cam separately. See page 40.

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Collars

- 1-3/4" (44mm) thick door. For other door thicknesses and trim considerations, contact Corbin Russwin Technical Product Support.
- Mortise Cylinders – 1-1/4" (32mm) length



	Spring	Solid								Surface Mount
	605F43 (.350)	447F41 (.030)	700F53 (.090)	270F15 (.156)	598F89 (.156)	447F42 (.172)	610F02 (.289)	447F43 (.375)	654F07 (.350)	267F97 (.635)	422F88 (.000)
Mortise Cylinder											
High Security Separately (1020, 1030)							X				
Security Separately (1027, 1037)	X										
Mortise Lock											
Single Cylinder											
Sectional							X				
N Escutcheon					X						
P Escutcheon					X						
M Escutcheon					X						
L & R Escutcheon		X									
T Escutcheon (no collar required)											
Double Cylinder											
Sectional								X			
N Escutcheon							X				
P Escutcheon							X				
M Escutcheon							X				
L & R Escutcheon						X					
T Escutcheon						X					
V Escutcheon			X								
Auxiliary Locks											
DL4011, 4013, 4017						X					
DL4012								X			
Rim Cylinder											
High Security Separately (CR3020, CR3030)											X
Security Separately (CR3027, CR3037)											X
Exit Devices											
ED4000-5000 Series											
700 Trim, F2, F3, T13, P9									X		
K1				X							
700M Trim, F2M, F3M, T13M							X				
900 Trim											X
Cylinder Dogging				X							
ED6000 Series											
N3, G4, T3				X							
N4M, G5M											X
T7M, T9M					X						
ED7000 Series											
P4, P6, P7		X									
C4, 03, 05										X	
T11				X							
ED8000 Series											
KO											X
F1, P1, P2 (no collar required)											

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Corbin Russwin
ASSA ABLOY

Plug Diameters/Quick Codes

Key Systems

Corbin Russwin Cylinder Plug Diameters

When combinating Corbin Russwin cylinders, the diameter of the plug determines the set of bottom pin and build-up pin lengths to use. The plug diameter is either .509" or .552". All Pyramid cylinders have a plug diameter of .496" and have their own pin kit. Current Corbin Russwin cylinder plug diameters are listed below by product series. Before 1983, however, all Corbin® X Class cylinders used .509" diameter plugs.

CL3200 Series*	Security Bolt	.509"	1400/4300 Series (obsolete)	Cylindrical	.552"
CL3100, CL3300 CL3500, CL3800 Series	Cylindrical	.509"	Pyramid Series	All	.496"
CL3400 & CL3600 Series*	Cylindrical	.509"			
CL3700 Series*	Cylindrical	.509"	Mortise Cylinders		.552"
CL3900 Series*	Cylindrical	.509"	Rim Cylinders		.552"
CK4200* CL3500, CL3800 Series	Cylindrical	.552"	Interchangeable Cores		.509"
CK4300 & CK4400 Series	Cylindrical	.509"	Padlocks		.509"
CK4700 Series	Cylindrical	.509"	Competitors' Key-in-Lever/Knob		.552"
UT5200 Series	Unit Lock	.552"	Security, all cylinders		.552"
DL2200 Series	Deadlock	.509"	Exit Devices, except IC		.552"
DL3000 Series	Deadlock	.552"	A6/N6/PR6 trim and obsolete		.509"
DL3200 Series	Deadlock	.509"	NS/AS trim		.509"

Cylinder Options

Description	Quick Code
IC 6-pin with temporary construction core (Red) IC 6-pin with temporary construction core (Blue) IC 6-pin with temporary construction core (Green)	CT6R CT6B CT6G
IC 6-pin with disposable temporary core	CT6D
IC 6-pin with SFIC disposable temporary core[1] (Mortise)	CT6SD[1]
IC 6-pin with small format temporary disposable core	CTSD
IC 7-pin with temporary construction core (Red) IC 7-pin with temporary construction core (Blue) IC 7-pin with temporary construction core (Green)	CT7R CT7B CT7G
IC 7-pin with disposable temporary core	CT7D
IC 7-pin with SFIC disposable temporary core[1] (Mortise)	CT7SD[1]
Pyramid with temporary construction core	CTP
Pyramid with disposable temporary core	CTPD
SFIC 6-pin with less core (rim and mortise)	CLS6
SFIC 7-pin with less core (rim and mortise)	CLS7
Bump-resistant cylinders	BRP

Keying Options

Description	Quick Code
0-bitted with 2 blank keys (except HS, CHS)	(standard)[5]
Keyed random	KR
Keyed alike	KA
Keyed to specific bitting (specify bitting)	KS
Uncombinated (Keys not provided)	UC[4]
Construction master keyed	CMK (Not available with interchangeable core)

Key Quantity Options

2 change keys per cylinder[2]	(standard)[2]
Other than 2 change keys per cylinder (i.e. customer requests 6 change keys per cylinder)	KY# (i.e., KY6)
No change keys	KY0
Master keys (if required)[3]	Specify Qty.
Control keys (if required)[3]	Specify Qty.
CMK keys (if required)[3]	Specify Qty.
CMK control keys (if required)[3]	Specify Qty.
SKD control keys (if required)[3]	Specify Qty.
Special purpose keys, i.e., ENG (if required)[3]	Specify Qty.

[1]Corbin Russwin does not furnish permanent SFIC cores
[2]Keys shipped separately for security and Pyramid master keyed cylinders
[3]Order as cut keys
[4]Pyramid High Security and Master Ring cylinder not available UC
[5]Pyramid cylinders are not available 0-bitted
*Discontinued

Collar Options - Mortise and Rim Cylinders Only

Description	Quick Code
Collar packet (549F52 + 253F97)	428F66
Rim collar, flush mount	255F53
Rim collar, flush mount (master ring)	255F54
Rim collar, surface mount (standard for rim cylinders)	422F88
Solid collar - .030	447F41
Solid collar - .031 (master ring)	447F44
Solid collar - .090 (VR trim only)	700F53
Solid collar - .094	261F54
Solid collar - .094 (master ring)	261F55
Solid collar - .156	270F15
Solid collar - .156	598F89
Solid collar - .172 (tapered security collar)	416F39
Solid collar - .172	447F42
Solid collar - .172 (master ring- standard for MR 118 cylinders)	447F45
Solid collar - .221	610F01
Solid collar - .289	610F02
Solid collar - .312	303F25
Solid collar - .350	654F07
Solid collar - .375	447F43
Solid collar - .375 (master ring)	447F46
Solid collar - .500	609F36
Solid collar - .510	134F05
Solid collar - .550	654F08
Solid collar - .635	267F97
Solid collar - .650	609F37
Solid collar - .749	399F47
Solid collar - .850	609F38
Spacer for flexible head cylinders - .125	370F29
Spacer for flexible head cylinders - .250	370F31
Spacer for flexible head cylinders - .315	252F82
Spacer for flexible head master ring cylinders - .094	370F33
Spacer for flexible head master ring cylinders - .281	370F35
Spacer for flexible head master ring cylinders (tapered) - .090	366F70
Spring collar - .150 (standard for 118 cylinders)	253F97
Spring collar - .219	549F52
Spring collar - .350 (standard for 114 cylinders)	605F43

Experience a safer and more open world

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45078 6/19

Quick Codes/How to Order

Key Systems

Stamping Options*

Description	Quick Code
Keys stamped with bitting number	(standard)
No keyset or bitting stamping on keys	VKC0
Keys only stamped with keyset (standard for HS, CHS, PS, PHS, PCS, PCHS)	VKC1
Keys stamped with keyset, cylinders stamped with keyset on face of plug - not available for HS, CHS, PS, PHS, PCS, PCHS	VKC2
Keys stamped with bitting, cylinders stamped with keyset on face of plug - not available for HS, CHS, PS, PHS, PCS, PCHS	VKC3
Keys stamped with keyset, cylinders stamped with keyset in concealed location	CKC2
Keys stamped with bitting, cylinders stamped with keyset in concealed location- not available for HS, CHS, PS, PHS, PCS, PCHS	CKC3
Less Trade Mark (No Corbin Russwin logo on cylinders)	LTM

*see page 6 for detailed descriptions

KeyBow Options

Description	Quick Code
Corbin Russwin logo	(standard)
Plain both sides	KB11
Do Not Duplicate	KB12
US Property Do Not Duplicate	KB13
Protected Do Not Duplicate (only for protected keyways)	KB19
Restricted Do Not Duplicate (only for restricted keyways)	KB19
Pyramid (only for Pyramid keys)	KB28
Large bow, plain both sides	KB51
Large bow, Do Not Duplicate	KB52
Large bow, US Property Do Not Duplicate	KB53
Large bow, protected Do Not Duplicate (only for protected keyways)	KB19
Large bow, Restricted Do Not Duplicate (only for restricted keyways)	KB59
Security bow Corbin Russwin logo (only for security keys)	KB90
Security bow plain both sides (only for security keys)	KB91
Security bow, Do Not Duplicate (only for security keys)	KB92
Security bow, US Property Do Not Duplicate (only for security keys)	KB93
Security bow, protected Do Not Duplicate (only for security keys, protected keyways)	KB99
Security bow, Restricted Do Not Duplicate (only for security, restricted keyways)	KB99

How to Order Cylinders

Mortise Separately

Keyset	Cylinder	Length	Cam	Pins	Keyway	Finish
AA1	CR1000	118	A01	7	L4	626

Rim Separately

Keyset	Cylinder	Length	Pins	Keyway	Finish
AA1	CR3000	058	7	L4	626

Key-in-Lever/Knob Separately

Keyset	Cylinder	Lockset Series	Pins	Keyway	Finish
AA1	CR2000	033	7	L4	626

IC Cores Separately

Keyset	Cylinder	Pins	Keyway	Finish
AA1	CR8000	7	L4	626

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Service Equipment

Pin Kits

Key Systems

Single System Pin Kits

For the end user with one Corbin Russwin System 70 keying system to maintain. Each kit has all pins necessary to combinate interchangeable core and master ring cylinders, as well as conventional cylinders (both .509" and .552" plug diameters). Furnished in a handsomely finished hardwood case with combinating instructions on the inside of the lid. Includes key gauge, tweezers and both diameter plug followers.

PK-70-ZDH

For pinning all types of cylinders (except security) with Z Class keyways: 59, D, H and L Series, plus 60, 70 and restricted/ protected keyways using System 70 depths (1-6).

PK-70-X

For pinning all types of cylinders with X Class keyways: 27, 57, 67 and 77 Series, plus AR, BR, BL, 97 and 99 using System 70 depths (1-6).

PK-70-N

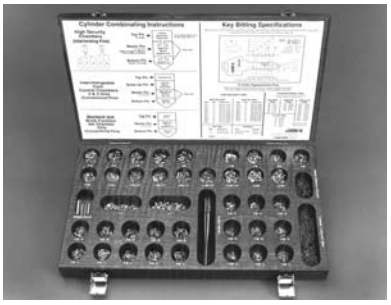
For pinning all types of cylinders with N Class keyways: N1-N28 using System 70 depths (1-6).



PK-70-ZDH
PK-70-X
PK-70-N

Security Pin Kit
PK-70-HS

For security cylinders, including interchangeable core, Brink and blockout function. Furnished in a handsomely finished hardwood case with combinating instructions on the inside of the lid. Includes tweezers.

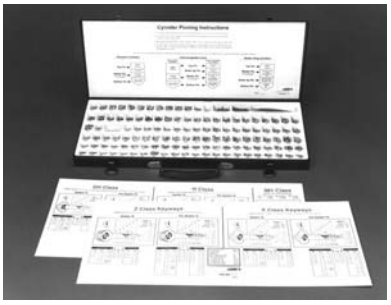


PK-70-HS

Deluxe Pin Kit
PK-1070

Ideal for locksmiths and distributor service personnel who must service a variety of Corbin Russwin keying systems. Also for end users with Pre-System 70 keying systems.

Contains all pins required to combinate standard, IC and master ring cylinders. Accommodates System 70 and non-System 70 for both plug diameters and all key classes. Furnished in a reinforced steel case with combinating instructions on the inside of the lid. A separate, removable, two-sided chart contains pin lengths for all modern key classes. Includes tweezers and both diameter plug followers.



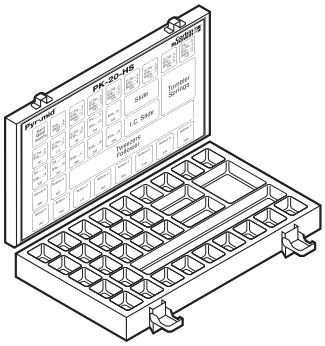
PK-1070

PK-20-HS

Each pin kit has all the pins necessary to combinate standard and interchangeable core Pyramid High Security cylinders. Includes tweezers, plug follower, key gauge and combinating instructions.

PK-20-PS

Each pin kit has all the pins necessary to combinate standard and interchangeable core Pyramid Security Cylinders. Includes tweezers, plug follower, key gauge and combinating instructions.



PK-20-HS

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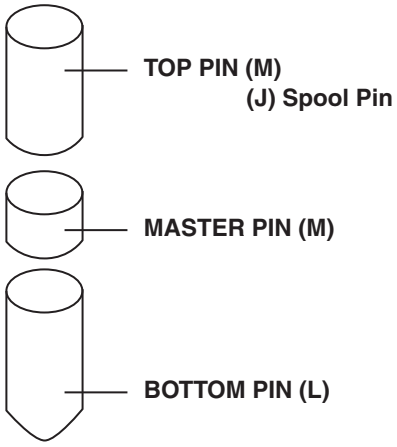
Replacement Pin for Kits

For a complete listing of all Cylinder Components, refer to Cylinder/Owner's Manuals.

How to Order Conventional Pins

Suffix 3-digit length in thousandths of an inch to base number.
Example: .160" bottom pin is 553F484-160.

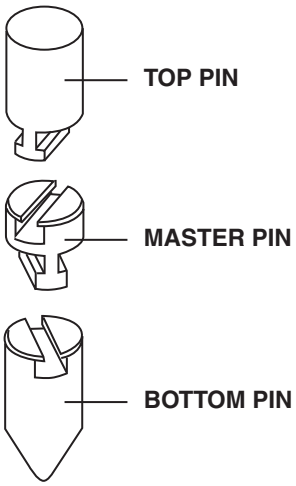
Description		Number
Specify quantity of vials (100 pins/vial):		
	Bottom Pins (L Series)	553F48-4 + length
	Master/Top/Build-up Pins	553F49-2 + length
	(M Series)	
	Spool Top Pins (J Series)	553F50-2 + length
Specify quantity of vials (1500 balls/vial):		
	Construction Balls	546F97-8
• Pins are packaged in a secure, spill-proof plastic vial with hinged top.		
• 12 vials per master carton.		



How to Order Security Pins

Replace the "x" in the part number with the pin's skew number.
Bottom pins use skews **L** (1) and **R** (2).
Master pins use skews **L** (1), **R** (2) and **S** (3).
Example: #2 master pin with S skew is 407T334-097.

Description		Number
Specify quantity of pins (must be multiple of 20):		
	Bottom Pin, #2	407T4x4-242
	Bottom Pin, #3	407T4x4-270
	Bottom Pin, #4	407T4x4-298
	Bottom Pin, #5	407T4x4-326
	Bottom Pin, #6	407T4x4-354
	Master Pin, #2	407T3x4-097
	Master Pin, #3	407T3x4-125
	Master Pin, #4	407T3x4-153
	Top Pin #1 (long)	407T43-4193
	Top Pin #2 (short)	407T43-4158



How to Order Pyramid Security Pins

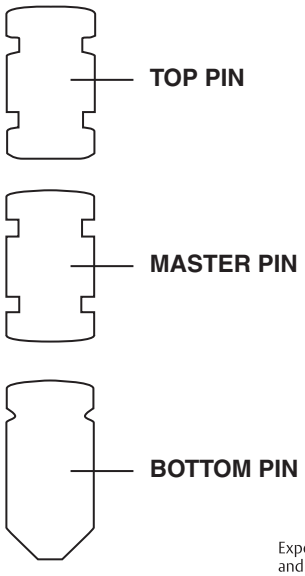
Suffix 3-digit length in thousandths of an inch to base number.

Description		Number
Specify quantity of vials (100 pins/vial):		
	Bottom Pins (Nickel Silver)	695F244 + length
	Master/Build-up Pins/Top	695F252 + length
	(Brass)	

How to Order Pyramid High Security Pins

Suffix 3-digit length in thousandths of an inch to base number.

Description		Number
Specify quantity of vials (100 pins/vial):		
	Bottom Pins (Stainless Steel)	695F247 + length
	Master/Build-up Pins/Top	695F257 + length
	(Stainless Steel)	



How to Order Pyramid Bump Resistant Pins

Description		Number
Specify quantity of vials (100 pins/vial):		
	Size A	628F107142
	Size C	628F107236

How to Order Pyramid P6 Side Pins

Description		Number
Specify quantity of vials (20 pins/vial):		
	P6 Side Pin	630F494

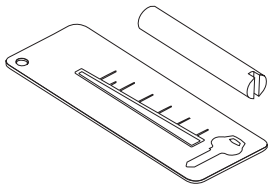
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Service Equipment

Replacement Pin for Kits

Key Systems

Cylinder Tool Kit No. CT-93



Kit No. CT-93 contains the following items (also available separately):

CT-4	Follower for 509" diameter plugs
CT-11	Key gauge for Corbin® X and Z Class System 70 and pre-System 70
CT-19	Tweezers
CT-21	Key gauge for Russwin® N Class System 70 and pre-System 70
CT-22	Key gauge for Russwin DH Class System 70 and pre-System 70
CT-23	Key gauge for Russwin 981 and 852 Classes
CT-54	Follower for .552" diameter plugs

Pyramid Tools

CT-20	Pyramid plug follower (.495" diameter)
CT-20K	Key Gauge for Pyramid

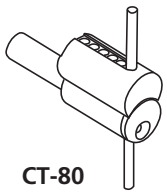
Other Tools

CT-5	Pin Chamber Reamer
CT-7	Pin Chamber Burring Tool
CT-10	Loading tool for CK4400 Series and IC cylinder shells

Cylinder Installation Wrench No. CT-80

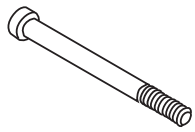
CT-80 is for interchangeable core mortise cylinders. It is used to:

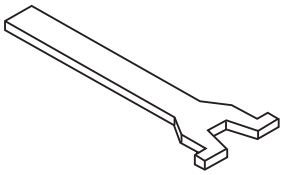
- Install and remove Corbin Russwin interchangeable core mortise cylinder housing without marring cylinder scalp finish.
- Test cam operation before fastening the mortise cylinder set screw.
- Align the pins of the throw member before installing the core.

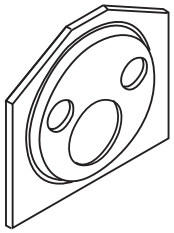


CT-80

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Screws	
438F41 -8	Cam screw, mortise cylinder and RFC padlocks
438F42-8	Cam screw, IC mortise cylinder
488F08-8	Mortise cylinder set screw packet (1 screw), standard cylinder size
488F10-8	Mortise cylinder set screw packet (1 screw), master ring
021F68-8	Rim cylinder mounting screw, 2-9/32" long for 1-3/8" - 2-1/2" doors
021F71-8	Rim cylinder mounting screw, 3-1/8" long for 2-3/4" - 3-1/2" doors
Disposable Core 10 Packs	
627F00-9	Corbin Russwin LFIC
707F21-9	Corbin Russwin SFIC
Tailpieces	
655F00-8	5/8" horizontal for rim cylinder CR3000-058
655F01-8	5/8" horizontal for IC rim cylinder CR3080-058
582F29-8	1-1/4" horizontal for IC rim cylinder CR3080-114
490F55-8	1-3/8" horizontal for rim cylinder CR3000-138
253F85-8	1-7/8" horizontal for IC rim cylinder CR3080-178
483F09-8	1-7/8" vertical for IC rim cylinder CR3080-178V
253F76-8	2" horizontal for rim cylinder CR3000-200
413F48-8	2" vertical for rim cylinder CR3000-200V
284F13-8	3-1/8" horizontal for IC rim cylinder CR3080-318
253F77-8	3-1/2" horizontal for rim cylinder CR3000-312
413F49-8	3-1/2" vertical for rim cylinder CR3000-312V
778F778	For CR2000-031 & CR2000-031H cylinders
778F768	For CR2000-031-7 & CR2000-031H-7 cylinders
622F30-8	For CR2000-033 & CR2000-034-7 cylinders
622F29-8	For CR2000-034-6 cylinder
682F29-8	For CR2000-037 & CR2000-033-7 cylinders
596F89-8	For CR2000-038 cylinder
489F02-8	For CR2000-051 cylinder
680F60-8	For CR2000-039 cylinder
681F60-8	ForCR 2000-039L cylinder
Rim Cylinder Back Plates	
253F75-8	For standard and Pyramid rim cylinders
135F10-8	For master ring rim cylinders
Retainers	
173F79-8	.020" thick for CR2001 -051 cylinder
368F91-8	.030" thick for rim, CR2200, CR2210 & CR3000 Series cylinders
488F92-8	.032" thick for CK4200 and 1400/4300 Series locks
333F99-7	For CK4400 Series Locks, 4300 Series Cylinders, 8000 cores and Pyramid
655F41-5	For CR3080 IC rim cylinder
680F64-5	Threaded cap for CR2000-033, 034, 037, 039, Security & Pyramid KIL cylinders
585F31-2	Cap pin for above
Springs (Ordered in multiples of 100)	
585F32-7	For CR2000-033, 034, 037, 039, Security & Pyramid KIL cap pin)
792F997	IC Conventional & Security
603F20-7	Fixed Core Conventional & Security
026F75-7	Hotel Mortise blocking pin
697F50-7	All Pyramid Cylinders
314F98-7	For CR2001-034 indicator
Spring Covers	
217F42-2	5-pin brass (Rim/Mortise/IC)
217F44-2	6-pin brass (Rim/Mortise/IC/Pyramid IC)
314F88-7	6-pin stainless (2000 Series Knob/Lever)
217F43-2	7-pin brass (Rim/Mortise/IC/Pyramid Rim & Mortise)
585F39-7	7-pin stainless (2000 Series Lever/Pyramid KIL/KIK)
411F092	Pyramid KIL/KIK for other manufacturers products (2200 Series)

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Corbin Russwin
ASSA ABLOY

Policies and Procedures

Key Systems

Procedures

Corbin Russwin keying systems utilize the Standard Key Coding System illustrated on the following pages. To ensure prompt and accurate processing, purchase orders should be written using these key symbols to describe each master keyed item.
In addition to the key symbol, Corbin Russwin requires the following information on the keying system for ALL orders:

- End User (job) Name
- City, State, Zip Code
- Special key bows or key stamping
- VKC/CKC requirements (see page 6)

New Systems or New Branches of Existing Systems

Indicate system expansion in terms of estimated numbers of key combinations, not doors. All of this information is essential at the inception of a keying system in order for Corbin Russwin to ensure accommodation of the end user's present and future needs. Advise as follows:

- How many levels of keying?
- Plan for a construction master key?
- Any selective master keys, such as ENG?
- How many changes for each master?
- How many masters for each grand master? If mixing Corbin Russwin cylinder types, indicate clearly where each type of cylinder will be used within the expansion parameters:
  - Which masters or grands have security cylinders under them?
  - Which have interchangeable cores?
  - Which have master ring?
  - Which have conventional cylinders?

Existing System Add-Ons

For prompt processing, orders must include a positive identification for the keying system in addition to the job name, city, state and zip code. Any ONE of the following is positive ID:

- Registry number stamped on any existing factory master key
- Previous factory order number together with the year of that order

Letters of Authorization

No letter is needed when the items are to be drop shipped directly to the end user. In all other cases, to preserve the security of the end user's keying system, Corbin Russwin requires a letter of authorization on the end user's letterhead to obtain the following:

- Bitting lists
- Security blanks and cut keys
- Master level cut keys
- Protected key blanks, cylinders and plugs
- Pyramid key blanks, cylinders, and plugs

The letter of authorization can be brief but should include a specific description of what is being authorized for release, and a positive key system identification.

XYZ Corporation

1 Main St.
Anytown, USA 00001
(203) 555-5555

(Current Date)

Corbin Russwin Architectural Hardware
Key Systems Dept.

We authorize Acme Distributors to obtain a copy of the bitting list for our keying system GGMX5555. We also authorize them to order the quantities of master keys on our attached purchase order 1234AB.

Sincerely,

Gordon Morris
Security Director

Pyramid Key Discard Policy

It is essential that cut keys and key blank distribution policies and procedures be maintained and enforced for all Pyramid products.

Authorized Pyramid Distributors

Pyramid is a system-based product. An authorized distributor can stock Pyramid upon specific written authorization from the primary systems administrator of the facility. Authorized distributors have the ability to receive product, key product, cut keys and distribute the product to the facility.

Authorized Pyramid distributors who carry inventory for a specific system must provide valid receipts and disbursements of all Pyramid products, specifically key blanks/cut keys. All Pyramid key blanks to be maintained in the possession of an authorized Pyramid distributor must be accounted for. Any defective, incorrectly cut or damaged Pyramid key blanks must be retained in the distributor's possession to be reviewed and collected by a representative of ASSA ABLOY Door Security Solutions.

Pyramid Primary System Administrators

Any defective, incorrectly cut or damaged Pyramid key blank must be destroyed.

Pyramid Key Warranty

Pyramid key blanks are covered by a 5-year warranty as outlined in the current list price book.

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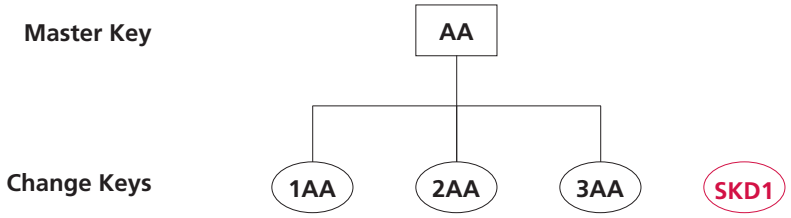
How to Establish Key Systems

Key Systems

To Specify a Simple Master Key System (2 Levels of Keying)

The master key symbol consists of TWO letters, such as **AA**. The change key numbers are added to the master key letters. The numbers come FIRST: **1AA**, **2AA**, **3AA**, etc.

When locks are required which are not operated by the master key or other change keys in the system, they are referred to as "single keyed" and given symbols **SKD1**, **SKD2**, etc. When all higher levels of master keys are to be disallowed, suffix (**NMK**) to the symbol of the key which is to operate. This means "not master keyed." Cylinder 1AA(**NMK**) is operated by **1AA** only. The **AA** master is blocked from operation.



To Specify a Grand Master Key System (3 Levels of Keying)

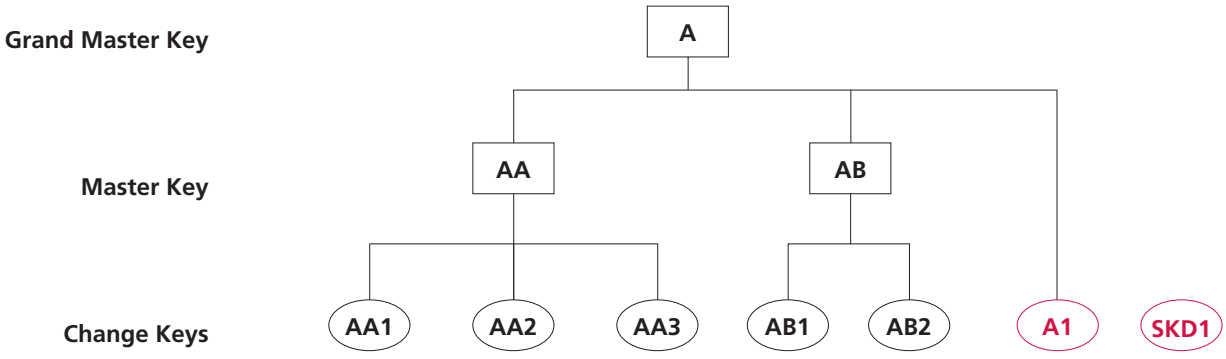
The grand master is assigned any ONE letter, such as A. The master keys under this grand are assigned TWO letters, the first of which must be the same as the grand: **AA**, **AB**, **AC**, etc. are all masters under grand **A**. Masters **BA**, **BB**, **BC**, etc., are all under grand **B**. Caution: Do not use the letters **I**, **O** or **Q** because of possible confusion with the numerals 1 and 0, respectively. Also do not use the letter **X** due to confusion with cross keying. Change key numbers come after the letters.

For master keys beyond **AZ**, insert a numeral between the letters to designate which pass through the alphabet they represent. **A2A** through **A2Z** represents the second pass of masters under grand **A**. **A3A** through **A3Z** would be the third. Change keys under these masters have the numbers suffixed in the usual way: **A2A1**, **A2A50**, etc.

If the cylinder is to be operated by its change key and nothing lower than the single lettered GMK, the change number is added to the GMK symbol. This is illustrated by the example **A1** in the schematic shown.

When locks are required which are not operated by ANY master keys or other change keys in the system, they are referred to as "single keyed" and given symbols **SKD1**, **SKD2**, etc.

When all higher levels of master keys are to be disallowed, suffix (**NMK**) to the symbol of the key which is to operate. This means "not master keyed" and can be applied to any level in the system. Cylinder **AA1** (**NMK**) is operated by **AA1** only. The **AA** master and **A** grand are blocked from operation. Cylinder **AA** (**NMK**) would be operated by the **AA** master only. Grand **A** does not operate.



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How to Establish Key Systems

4-Level Systems

Key Systems

To Specify a Great Grand Master Key System (4 Levels of Keying)

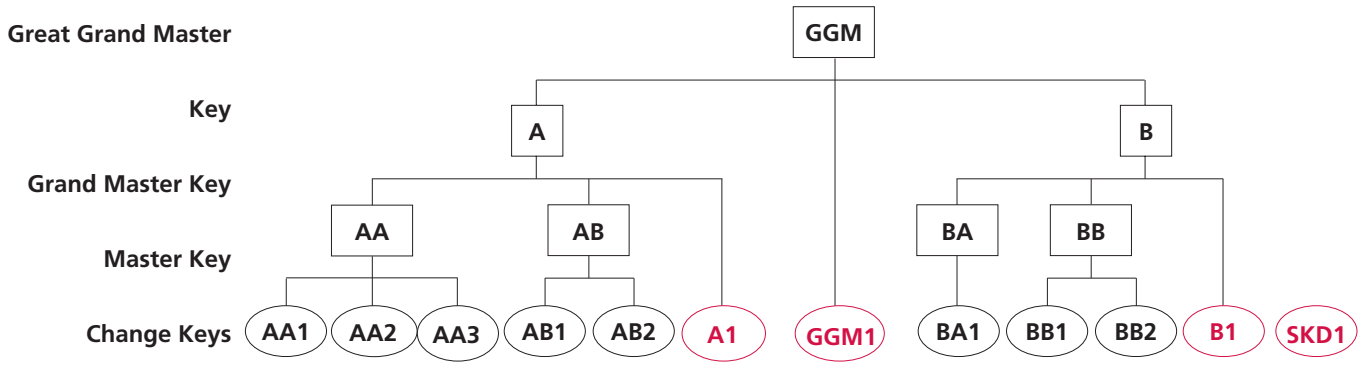
The great grand master key is assigned the symbol **GGM**. The rest of the symbols are the same as those in 3-level systems: The GMKs are assigned single letters, e.g., **A**, **B**, **C**, **D**, etc. Caution: Never use **X** for a grand master key due to the confusion which will result with cross keying symbols presented on page 52.

Masters under each GMK are assigned two letters, the first of which is the same as its respective grand master key. Change key numbers come *after* the letters. Changes under the grand (**A1**, **B1**, etc.) and masters beyond **AZ** are handled exactly as in the 3-level system already described.

Changes directly under a grand are also handled as illustrated in the 3-level system. For changes directly under the **GGM** with no intermediate level masters, the change number is added directly to **GGM** as shown by the example **GGM1** in the schematic.

When locks are required which are not operated by ANY master keys or other change keys in the system, they are referred to as "single keyed" and given symbols **SKD1**, SKD2, etc.

When all higher levels of master keys are to be disallowed, suffix (**NMK**) to the symbol of the key which is to operate. This means "not master keyed" and can be applied to any level in the system. Cylinder **AA1** (**NMK**) is operated by **AA1** only. The **AA** master, **A** grand and **GGM** are all blocked from operation. Cylinder **AA** (**NMK**) is operated by the **AA** master only. Grand **A** and the **GGM** do not operate. Cylinder **A** (**NMK**) would be operated by the **A** grand only, without the **GGM**.



Selective Master Keys

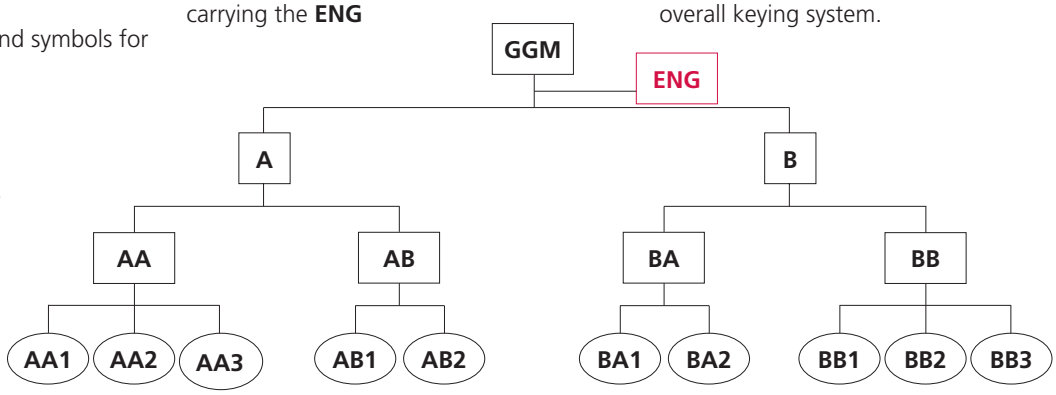
It is often useful in large keying systems to issue a high level master key to maintenance personnel which allows access across all master and grand master key boundaries of a keying system. A selective master key is usually very close to the system's top master key, both physically and through its realm of access. Nevertheless, it must be blocked from operating in many areas.

The most common names and symbols for selective master keys are:

ENG	Engineer's key
ATT	Attendant's key
JAN	Janitor's key
HKP	Housekeeper's key
GRD	Guard's key
MAIN	Maintenance

To designate that a lock be operated by a selective master key, suffix the symbol in parentheses to the standard symbol. Example: **AA1** (**ENG**). This must be added *every time* the selective key is to operate and left off whenever the selective key is NOT to operate. For instance, you may lay out a system in which key **AA1** is to operate two different offices. Inside one of them is an electrical cabinet which must be accessible to maintenance personnel carrying the **ENG** key. That lock must be specified as **AA1** (**ENG**) while the lock for the other office must be specified as **AA1**. Change keys directly under the selective key, such as **ENG1**, are operated by all higher level keys, such as **GGM**.

I.ike cross keying, a selective master key is a convenience feature which decreases the security of the cylinders it operates and limits the expansion and flexibility of the overall keying system.



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How to Establish Key Systems

Key Systems

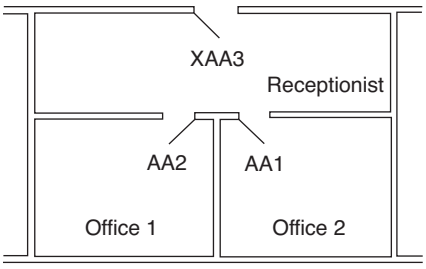
Convenience May Reduce Cylinder Security and Hinder System Expansion

Whenever two or more different keys such as **AA1** and **AA2** are both required to operate the same cylinder, the cylinder's security is reduced. This is called *cross keying*. When the cross keying occurs under all the same higher level keys, such as **AA1** and **AA2**, it is known as *controlled* cross keying. When it combines keys under different higher level keys, such as **AA1** and **AB1**, it is known as *uncontrolled* cross keying.

In addition to reducing the security of the cylinder, cross keying usually imposes limits on the flexibility and expansion of the overall keying system. This is especially true of uncontrolled cross keying. For these reasons, it is strongly recommended to allow personnel to carry more than one key. Cross keying should be discouraged whenever possible. However, when cross keying is required, it is specified as follows, and should be summarized at the beginning of each order.

Case #1

Cylinder requires its own change key. The illustration depicts part of a small medical building where two doctors share a common receptionist. The receptionist gets the **AA3** key. Each doctor carries a key which operates only one office, but is also cross keyed into the entrance from the corridor.

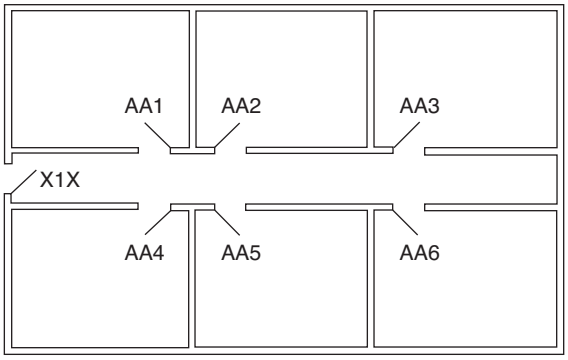


XAA3 operated by AA1, AA2, AA and A.

Determine the symbol of the change key (example: **AA3**). Then prefix the letter X (example: **XAA3**). Then list all keys which are to operate in an "*operated by . . .*" phrase. Example: "**XAA3** operated by **AA1**, **AA2**, **AA** and **A**". Note that **X** is a *cylinder* specification only. The keys for cylinder **XAA3** are designated **AA3**.

Case #2

Cylinder does NOT require its own change key. This illustration depicts a section of a floor in a dormitory. Each student's bedroom key operates the hall door lock. There is no need to construct a key which operates only the hall door.



X1X operated by AA1 through AA6, AA and A.

In this case, place an **X** at both the beginning and end of the symbol and a number between them. Example: **X1X**, **X2X**, etc. Again, *always include the "operated by . . ." phrase* with a complete listing of key symbols to operate.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

Corbin Russwin

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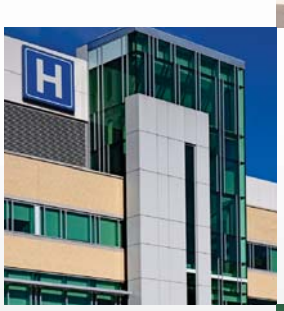


Corbin Russwin®

ASSA ABLOY









Key Systems

Product Catalog

Experience a safer
and more open world

Corbin Russwin
ASSA ABLOY

Applications

Key Systems

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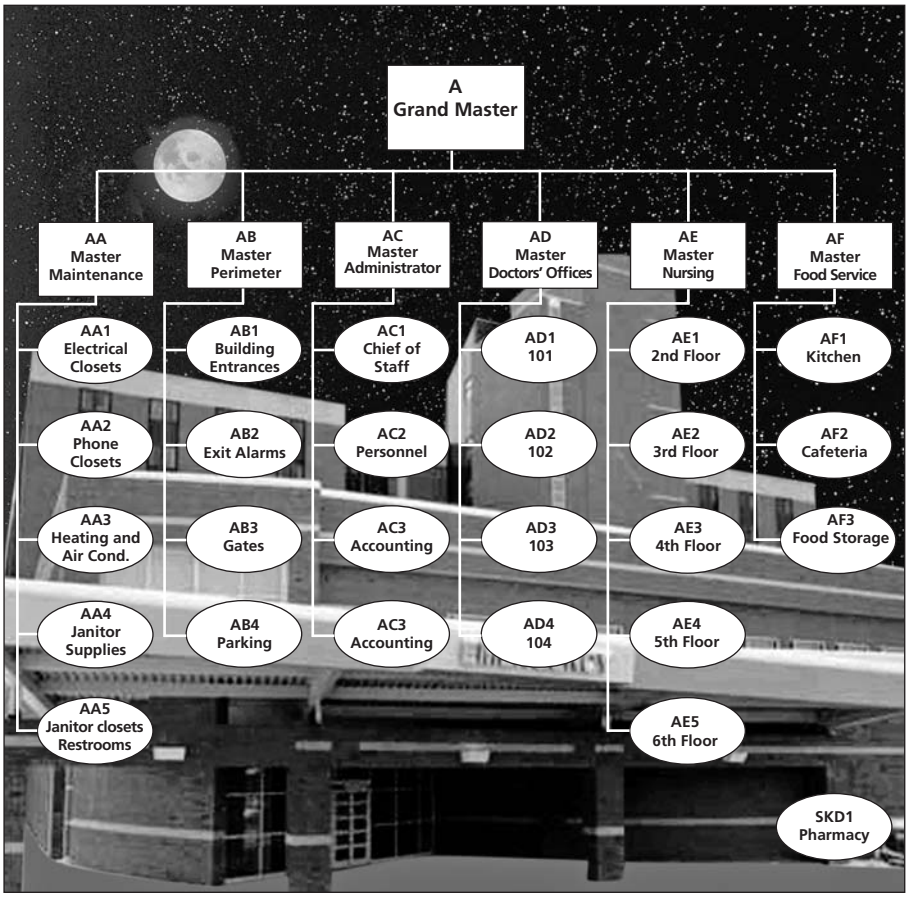
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Applications

To provide the desired level of security, even the finest architectural hardware requires a properly designed and maintained master key system.

The keying system is the "software" of a building's security. As shown in the schematic below, it turns each hardware product into an access control device.

The choice of cylinder mechanism must be planned together with the keying system. The variety of mechanisms available from Corbin Russwin offers the right balance of security, convenience and expansion capability for every job.



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Step 1
Determine the type of locking system

- Conventional "open & restricted keyways"
  - Not contract controlled
- Patented locking system
  - A notice of acceptance will be required between Corbin Russwin and Owner
  - Factory-based system
  - Key blank distribution restrictions are in place
- Security (secondary locking mechanisms, example; Pyramid Security)
- High security (same as Security plus UL437 – example; Pyramid High Security)
- Standalone access control locking devices (at door wiring, example; Access 800)
  - To facilitate multiple users through common doors
- Integrated locking systems (hard wired into access control systems)

Step 2
Establish the level of the master key system. The higher the level the less secure.

- Level two – "Simple Master Key system"
  - Change key, and master key only
- Level three – "Grand Master Key system"
  - Change key, master key, and Grand Master Key
- Level four – "Great Grand Master Key system"
  - Change key, master key, Grand Master Key, and Great Grand Master Key
- Levels higher than four are not recommended for security reasons
  - With more levels, additional master pins in each chamber of the cylinder would be required, and with the additional master pins the possibility of unauthorized key interchanges could occur

See pages 50-52 on How to Establish Key Systems.

Step 3
Establish key hierarchy, key issuing policies and procedures, and administrative disciplines.

- Who, if anyone is authorized to carry the top master key?
- Who carries master keys and change keys?
  - Does every employee receive a key?
- What disciplinary action(s) is being put in place for violations?
  - Fines or Deposits
    - > Lost keys
    - > Keys not returned
  - Will there be a key receipt required?
    - > Where will that be kept?
- Who is the systems administrator?
  - Authorized to purchase
  - Responsible for Key Control Administration
- Who is the Key Control Administrator?
  - Maintain key control software & all transactions

Step 4
System Layout

- Helpful Hints
  - KISS "Keep It Simple System"
    - > Do not use the term sub-master (not unless it's level 6 and higher)
- Lowest level possible
- Key to the building security objectives NOT to the people
  - Determine if the system is to be designed for Security or Convenience
- No cross keying, especially with patented locking systems and higher
- Key alike within master key groups as much as possible
  - Avoid top-heavy systems (example; few change keys used under masters)
- Has the right function of lockset been selected?
  - Storeroom vs. Classroom vs. Entry
  - Single cylinder vs. double cylinder
    - > If double cylinder, how is the inside cylinder to be keyed?
- Provide adequate quantity of keys
  - Top Level Master keys: Quantity should be limited to absolute minimum required.
  - Master keys: Quantity should also be limited to only amount required.
  - Change keys per key set and/or per keyed alike sets
  - Special operating keys
    - > Control keys: A Control key is as important as a top level Master key in a removable core system and quantities should therefore be limited to minimum required.

Separate the internal departments into sectors, example are:

- Perimeter
  - Including all exterior doors, roof surfaces, gates and fences, and adjacent buildings.
- Operations
  - Sensitive areas crucial to daily operations, such as plant engineering, security and mechanical operations.
- Management
  - Areas that are vital for daily business activities, primarily human resources, administration, executive offices, IT, sales, and accounting.
- Services
  - Areas that provide employees and visitors with services, such as restrooms, medical treatment areas, housekeeping, food service, retail (unless it's a leased outside source).
- Unique Applications
  - Door openings requiring access control hardware where key override is required, or any other special application which would be unique.
- Tenants
  - Any tenants that are not part of the building.

Step 5
Servicing & Maintenance

- In-house or outside locksmith
  - Ensure proper training
  - Establish key cutting log
  - Establish service request procedures
- Service equipment
  - Key kit
  - Code cutter that complies with systems depths & spacing specifications
  - Locksmithing tools, fixtures & accessories
- Establish stock levels & requirements to avoid misuse of multi-section key blanks
  - Additional cylinders ready for emergencies
  - Additional key blanks (of all keyways)
- Who or where are the key blanks going to be kept?
- Who is authorized to cut keys?
  - What form of work order will be used to authorize cutting of keys?
  - Who will sign the work order?
  - What records will be kept & where?
- What type of reports will be required?
  - Overdue keys
  - Miss-cut keys
    - > Who receives the reports?
- Once a key has been cut, what instructions are given to the recipient?
  - Key receipt recommended
- Ensure that all transactions are recorded by the Key Control Administrator
- ENFORCEMENT FROM THE START! SUPPORT AND BACK THOSE WHO ARE RESPONSIBLE FOR MAINTAINING AND SERVICING THE SYSTEM.

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Corbin Russwin
ASSA ABLOY

Key Wizard®

Key Systems

Key Management Software

Advantages

A key management software program is essential for any type of organization. Keeping track of the key holders in a master key system is critical for maintaining key control and ensuring the security and integrity of the system. *Key Wizard* by Corbin Russwin was designed to provide a user-friendly tool for facility end users to track detailed information concerning their keying system. It offers improvements over existing key management software by utilizing clutter-free and easily navigated screens. This system uses a Microsoft® Outlook® type of layout.

Key control for a facility is maintained by adopting a complete system of policies, procedures, record keeping and specialized products. A comprehensive key management software program is one aspect of a complete key control system.

Key Wizard by Corbin Russwin provides the facility with accurate information concerning keys, key holders, hardware locations, master key systems, overdue keys and maintenance service schedules, all of which can be customized.



Features:

- Free technical support and free software upgrades for one year
- Customized query, report and search capability
- Comprehensive hardware listings for door locations
- Displays key holder photos and signatures for verification
- Clear, easy to read screens
- Automatic reminders for maintenance, back-ups and overdue keys
- Network and standalone versions available
- Accurate key symbol sorting
- Audit trail tracks changes made to keyholders
- Printing of door number labels to ensure proper cylinder installation
- Key authorization tracking
- Customized key receipts and authorization forms
- Tracking of loaned keys and key deposits
- Stores maintenance service history records
- Can manage multiple end users and multiple key systems for most manufacturers
- Importing of key systems, keyholders and locations
- Exporting of key systems and locations
- Global key search across multiple master key systems
- Multi-level password protection
- Download of key bittings to ITL9700 Code machine
- Pinning Calculators

Computer System Requirements:

- 500 MHz processor or greater
- Windows 98, 2000, ME, NT, XP, Vista, 7, or 10
- 64 MB RAM
- 70 MB hard disk space

Demo Version

Demo versions are available. Demos can be downloaded from the Corbin Russwin website at **http://www.corbinrusswin.com or www.keywizard.net**

How to Order:

All *Key Wizard* programs are licensed specifically to each facility end user. Special online ordering procedures apply. The following information is required for each system:

End User Facility Name
End User Contact Individual
Mailing Address
Phone Number

Key Wizard Technical Support:
1-800-610-1706

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How to Order Cylinders — Numbering Scheme Overview

Key Systems

CR10	0	0	–	118	–	A01	–	6	–	L4	–	Finish x Options*

Cylinder Type	Mechanism	Function	Length	Cam	Pins	Keyway
CR10 Mortise CR11 Flex Head Mortise CR12 Concealed Shell Mortise CR13 Thumbturn Mortise CR14 Dummy Mortise CR15 Access 3 Mortise - AP CR16 Access 3 Mortise - AS CR17 Access 3 Mortise - AHS CR20 Knob/Lever CR21 Continental Knob CR22 Competitor Knob/Lever CR23 Access 3 Competitor Knob/Lever CR24 Competitor Keyways CR25 Access 3 KIK/KIL - AP CR26 Access 3 KIK/KIL - AS CR27 Access 3 KIK/KIL - AHS CR28 Access 3 Competitor KIL - AS CR29 Access 3 Competitor KIL - AHS CR30 Rim CR33 Thumbturn Rim CR35 Access 3 Rim - AP CR36 Access 3 Rim - AS CR37 Access 3 Rim - AHS CR42 Special Application CR44 DL2200, DL3200 CR45 Access 3 DL2200/ DL3200 - AP CR46 Access 3 DL2200/ DL3200 - AS CR47 Access 3 DL2200/ DL3200 - AHS CR80 IC-Core Only (LFIC) CR85 Access 3 IC Core - AP CR86 Access 3 IC Core - AS CR87 Access 3 IC Core - AHS CR2300 RFC Padlock	0 Standard 1 Security 2 Pyramid 3 IC Pyramid Cylinder (LFIC) 4 SFIC Housing 6 Master Ring 7 LFIC Housing 8 IC Complete Cylinder (LFIC) 9 IC Security Cylinder (LFIC)	0 Standard 1 Hotel 3 Classroom 6 Obsolete Crossbar ED6200 7 Pyramid Security 8 UL IC Housing Access 3	**(Mortise Cylinder) Non-IC** 100 1" (25mm) 118 1-1/8" (29 mm) 114 1-1/4" (32 mm) 138 1-3/8" (35 mm) 112 1-1/2" (38 mm) 134 1-3/4" (44mm) 200 2" (51 mm) 214 2-1/4" (57 mm) 212 2-1/2" (64 mm) 234 2-3/4" (70 mm) 300 3" (76 mm) 314 3-1/4" (83 mm) 312 3-1/2" (89 mm) 334 3-3/4" (95 mm) **(Mortise Cylinders) IC** 114 1-1/4" (32 mm) 138 1-3/8" (35 mm) 112 1-1/2" (38 mm) 134 1-3/4" (44mm) 200 2" (51 mm) 214 2-1/4" (57 mm) 212 2-1/2" (64 mm) **(Rim Tailpiece)** 058 5/8" (16 mm) 114 1-1/4" (32 mm) IC 138 1-3/8" (35 mm) 178 1-7/8" (48 mm) IC 178V 1-7/8" (48 mm) vertical IC 200 2" (51 mm) 200V 2" (51 mm) vertical 318 3-1/8" (78 mm) IC 312 3-1/2" (89 mm) 312V 3-1/2" (89 mm) vertical	A01 Cloverleaf A02 Straight A03 Adams Rite® MS A04 DL4000 Series A05 *Adams Rite* 4070 A06 Schlage® Cloverleaf A07 DL4100 Series A61 **New** MR Cloverleaf-locks made after 5/93 A62 MR Straight A63 Large MR Short A64 Large MR Long A65 **Old** MR Cloverleaf - locks made prior to 5/93 A92 Exit Grip Trim 01, 02 A93 Obsolete Deadlocks: Corbin® 610 Series and Russwin® 1403 Series	6 Standard 7	752 852 981 A DH N X Z Access 3 Pyramid

*For cylinder options, see pages 43-44

Finish	
Description	Specify
Bright Brass	605
Satin Brass	606
Bright Bronze	611
Satin Bronze	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze, Equivalent	613E
Bright Nickel Plated	618
Satin Nickel Plated	619
Flat Black Coated	622
Bright Chromium Plated	625
Satin Chromium Plated	626
Bright Stainless Steel	629
Satin Stainless Steel	630
Black Oxidized Bronze, Oil Rubbed	722
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

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Cylinder and Key Stamping

VKC and CKC

Key Systems

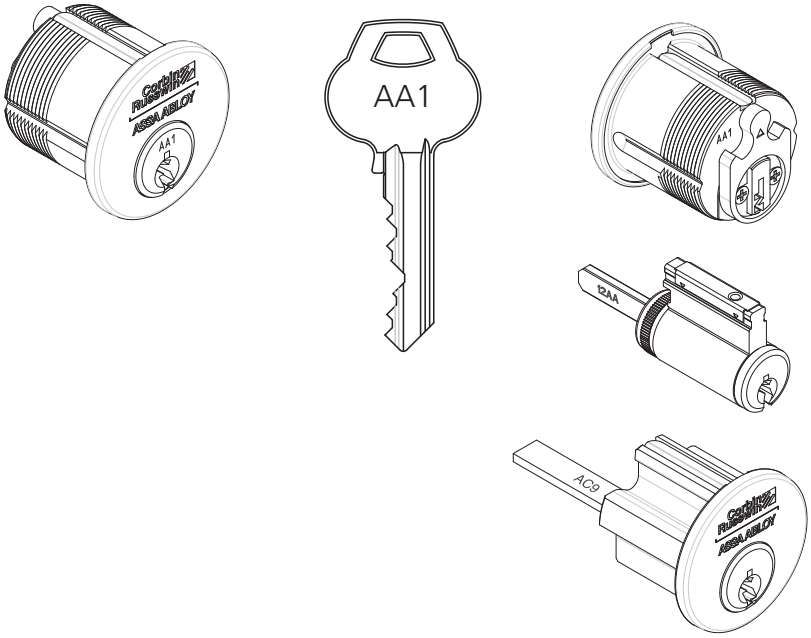
Visual and Concealed Key Control
With these options, keys and/or cylinders are stamped with their respective keyset symbol, so lock mix-ups during installation or key mix-ups afterwards are less likely to happen – and easier to straighten out if they do. Lost keys are also easier to replace. The coded information on the cylinder tells you how the cylinder is keyed, thereby eliminating trial and error.

For example, the symbol AA1 shown in the illustration identifies the lock to be operated by grand master key A, master key AA and change key AA1. Upon written authorization from the building owner to an authorized Corbin Russwin Distributor, a bitting list can be furnished for each job to translate the symbols into key bittings.

If a key is lost, it can easily be replaced by referring to the symbol on the cylinder and the bitting on the bitting list. VKC is not available on Security or Pyramid cylinders.

Visual Key Control (VKC)
For Greater Convenience
The key symbol is stamped on the plug face or other visible portion of the front of the cylinder. (VKC is available on all keys, but not available on Security, CK4400 Series Lockset or Pyramid cylinders.)

Concealed Key Control (CKC)
For Greater Security
For greater security, specify CKC on the cylinders. The key symbol is stamped in a concealed location, such as the rear of the cylinder. It is not visible to the general occupants of the building but can be accessed by authorized personnel upon removing the cylinder from the lockset.



The following codes and definitions have been established for specifying cylinder and key stamping:

Quick Code	Definition
VKC0	No keyset, registry number, keyway, nor bitting stamping on any keys. Includes master keys and change keys. (Keys will be tagged.)
VKC1	Master keys stamped with their keyset symbol and registry number. Change keys stamped with their keyset symbol and keyway.* (Standard for high security and security cylinders.)
VKC2	Master Keys stamped with their keyset symbol and registry number. Change keys stamped with their keyset symbol and keyway.* Cylinders stamped with their keyset symbol on the face of the plug. (Not available for high security or security cylinders.)
VKC3	Master Keys stamped with their registry number. Change keys stamped with their bitting, keyway* and system. Cylinders stamped with their keyset symbol on the face of the plug. (Not available for high security or security cylinders.
CKC2	Master keys stamped with their keyset symbol and registry number. Change keys stamped with their keyset symbol and keyway.* Cylinders stamped with their keyset symbol in a concealed location.
CKC3	Master keys stamped with their registry number. Change keys stamped with their bitting, keyway* and system. Cylinders stamped with their keyset symbol in a concealed location. (Not available for high security, or security cylinders.)

*Keyway will NOT be stamped on the keys for security or high security cylinders, nor restricted or protected keyways unless specifically requested as per the purchase order. (KB18, KB19, KB28 or KB90 series)

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Construction Master Keying
Construction Master Keying (CMK) is a Corbin Russwin keying option that provides the extra security needed in the transition from construction of a building or complex to completion.

The construction master key operates all Corbin Russwin cylinders while the building is under construction. Upon completion of the construction phase, it can be voided without removing the cylinders from the locks, simply by turning the change key in each cylinder. Construction master keying is not available for interchangeable core. Temporary cores are available for IC jobs that require construction keying.

The permanent master and change keys for the system are always packed and shipped separately, and the order must include the names and addresses of individuals to whom the construction, permanent master and change keys should be sent.

This feature is NOT available on interchangeable core, Access 3, Pyramid, or Security series cylinders.

SKD Caution
Unless otherwise specified, SKD sets will be construction master keyed. When construction master keying is established for SKD sets, Corbin Russwin issues a separate SKD CMK key as well as an SKD CMK Control key if required.

How to Order CMK
To order locksets and/or cylinders with the construction master key feature, the quick code CMK should be indicated as an option.

Temporary Construction Cores

Lockable
A secure method of construction keying for interchangeable core hardware is the use of temporary construction cores. Corbin Russwin recommends this method of construction keying for IC jobs.

Hardware is furnished with construction cores that are keyed alike to a combination unrelated to the permanent system's master key. When the building is turned over to the owner, the permanent cores are installed and the temporary construction cores can be returned to Corbin Russwin for credit.

The IC temporary construction cores are available in red, blue and green. The color options enhance the user's ability to easily control access to different locations on a construction site, or identify different locations for specific keying applications.

How to Order Lockable
IC 6-pin with Red temporary construction core (Red), CT6R
IC 6-pin with temporary construction core (Blue), CT6B
IC 6-pin with temporary construction core (Green), CT6G
For 7-pin, use quick code, CT7
IC 7-pin with temporary construction core (Red), CT7R
IC 7-pin with temporary construction core (Blue), CT7B
IC 7-pin with temporary construction core (Green), CT7G
For Pyramid, use quick code CTP.

Examples:
ML2051 x LSA x 626 x RH x CT6
CR1080 x 114 x A01 x 626 x CTP
CL3355 x NZD x 626 x CT6B
CR1080-114-A01 x 626 x CT6G
Permanent cores must be ordered separately.

Disposable
Corbin Russwin offers two formats of disposable temporary cores. These cores do not require keys for their operation and no returns or credits are allowed.

Disposable cores are available for Corbin Russwin large format interchangeable core (LFIC) housings or for small format interchangeable core (SFIC) housings. Please note that Corbin Russwin does not provide permanently keyed SFIC cores.

How to Order Disposable
LFIC
For 6-pin, use quick code CT6D
For 7-pin, use quick code CT7D
For Pyramid, use quick code CTPD

Examples:
ML2051 x LSA x 626 x RH x CT6D
CR1080 x 114 x A01 x 626 x CTPD
Permanent cores must be ordered separately.

SFIC - Key-in-lever/knob locksets
For 6- and 7-pin, use quick code CTSD

SFIC - Mortise Locks and Exit Devices-Rim Cylinders
For 6-pin housing, use quick code CLS6
For 7-pin housing, use quick code CLS7

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Conventional Mortise

Key Systems

Mortise Cylinders

For use with all mortise locks and DL3000 Deadlocks. IC: page 15. Security: page 17. Master Ring: page 20. Pyramid: page 24.



Type	Length	Cam	Pins	Keyway	Finish
CR1000	100 1" (5 pin only)	(see page 40)	5 (1" length only)	(see pages 31-39)	605
	118 1-1/8" (standard)	A01 Cloverleaf	6 (standard)		606
	114 1-1/4"	A02 Straight	7 (available for 1-1/4"-3")		611
	138 1-3/8"	A03 Adams Rite® MS and			612
	112 1-1/2"	DL3000 Deadlock			613
	134 1-3/4"	A04 DL4000 Deadlock			622
	200 2"	A05 *Adams Rite* 4070			625
	214 2-1/4"	A06 Schlage® Cloverleaf			626
	212 1-1/2"	A07 DL4100			629
	234 2-3/4"	A62 MR Straight / CR900 Series Mullion			630
	300 3"	A92 Exit Grip Trim 01 & 02			722
	314 3-1/4"	A93 Obsolete deadlocks: Corbin® 610 Series and Russwin® 1403 Series			BSP
	312 3-1/2"				WSP
	334 3-3/4"				

Flexible Head Mortise Cylinders

Use Flexible Head mortise cylinders only with sectional trim mortise locks. The head is spring-loaded to adjust for minor variations in door thickness. See page 20 for Master Ring



Type	Length	Cam	Pins	Keyway	Finish
CR1100	100 1" (6-pin std.)	(see page 40)	6 (standard)	(see pages 31-39)	605
	118 1-1/8"	A01 Cloverleaf	7 (available for 1-1/4"- 1-1/2")		606
	114 1-1/4"	A02 Straight			611
					612
					613
					618
					619
					625
					626
					722
					BSP
					WSP

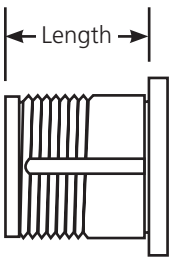
Concealed Shell Mortise Cylinders

Concealed shell cylinders are for mortise locks using "Plug Only to Show" escutcheon trim.

Type	Length	Cam	Pins	Keyway	Finish
CR1200	100 1" (6-pin std.)	(see page 40)	5 (1" length only)	(see pages 31-39)	606
	118 1-1/8"	A01 Cloverleaf	6 (standard)		626
	114 1-1/4"	A02 Straight	7 (available only for 1-1/4"- 1-1/2")		
	138 1-3/8"				
	112 1-1/2"				







Length is measured from behind the cylinder head to the end of the cam.
For cam illustrations and applications, see page 40.

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Hotel Function Cylinders

Guest Key and all normal master keys have limited rotation to retract latchbolt only. Emergency Master Key (EMK) and display key turn 360° to operate deadbolt as well.

Type	Number	Remarks
Standard	CR1001-114-A01	Cylinders are 6-pin. Display and Emergency Master Keys are cut on 7-pin blanks
Flexible Head	CR1101-118-A01	
Concealed Shell	CR1201-114-A01	

Not available with D1, D2, L1, L2, 752, 852 or A Class keyways. Order with A91 cam to accept discontinued Russwin® "G" type long EMK.
Finishes: see Standard, Flexible Head and Concealed Shell Cylinder sections, page 8.

Cylinder for Obsolete Exit Device

For inside of obsolete Corbin® 3726 1/2 and 3727 1/2 and Russwin® 736 1/2 and 737 1/2 only. Cam rotation is limited by steel pins on back of shell.

Application	Number	Remarks
Folger Adam® NS400 Series x LEK	CR1004-118-A02	Clockwise
Folger Adam NS400 Series x LEK	CR1005-118-A02	Counterclockwise

Finishes: 605, 606, 611, 612, 613, 625, 626, 629, 630, 722

1006-118-A02 (6-pin only)
Finishes: 605, 606, 611, 612, 613, 622, 625, 626, 629, 630, 722, BSP, WSP

Thumbturn Cylinders



Classroom function cylinders have a pin to block cam rotation in the locking direction. The pin may be installed on either side of the cam, depending on the hand of the door.

Suffix cam number to basic cylinder number. Example: 1300-118-A03					
Function	**Length**	**Basic Number**	**A02** (147F77)	**A03** (111F55)	**A93** (281F27)
Standard	1"	CR1300-100-	•	•	N/A
	1-1/8"	CR1300-118-	•	•	•
	1-1/4"	CR1300-114-	•	•	N/A
	1-3/8"	CR1300-138-	•	•	N/A
Classroom	1"	CR1303-100-	N/A	•	N/A
	1-1/8"	CR1303-118-	N/A	•	N/A
	1-1/4"	CR1303-114-	N/A	•	N/A
	1-3/8"	CR1303-138-	N/A	•	N/A

Finishes: 605, 606, 611, 612, 613, 622, 625, 626, 629, 630, 722, BSP, WSP
All 1300- and 1303- thumbturn cylinders are available with the M34 Option (Ergonomic Thumbturn)

Dummy Cylinders



These cylinders may be used to fill an opening left when mortise cylinder operation is no longer desired.

Number	Length
CR1400-118	1-1/8"
CR1400-114	1-1/4"
CR1400-138	1-3/8"

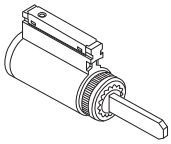
Finishes: 605, 606, 611, 612, 613, 622, 625, 626, 629, 630, 722, BSP, WSP

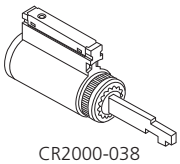
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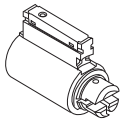
Conventional Component (Key-in-Lever/Knob)

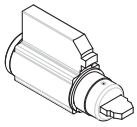
Key Systems

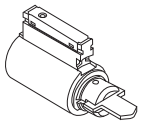
Component Cylinders
Finishes 606, 626

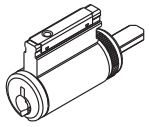

CR2000-031, 033, 034 or 037


CR2000-038


CR2000-052

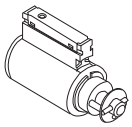

CR2000-044

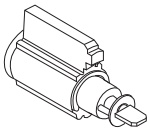

CR2000-051

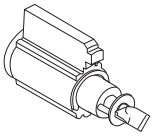

CR2000-031H

Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length) 6-Pin	Tailpiece Part Number (Length) 7-Pin
CR2000	031	CL3100 Lever Trim	(.509")		778F778 (.692")	778F768 (.536")
	031H	CK4300		(.509")	778F778 (.692")	NA
	033	CL3300, CL3500, CL3800, CL3600 (June 2000 and after) Lever Trim - A6/N6/PR6	(.509")		622F308 (.950")	682F298 (.794")
	033H	G1055 ED Trim (Horizontal Tailpiece)		(.509")	622F308 (.950")	682F298 (.794")
	034	CL3400 (Lockset Series Obsolete) CL3600 (Prior to June 2000), A5/N5	(.509")		622F298 (1.106")	622F308 (.950")
	037	CL3700	(.509")		682F298 (.794")	NA
		CK4700		(.509")		
	038	CL3800 (Obsolete 1993-1997 model)	(.509")		596F898 (1.056")	NA
	039	CL3900	(.509")		680F608 (1.700")	NA
	039L	CL3900 (2", 2-1/4" Thick Doors)	(.509")		681F068 (1.950")	NA
	044	CK4400		(.509")	NA Separately	NA
	051	B2/G2/G3 ED Trim		(.552")	489F028 (.890")	NA
	052	UT5200/CK4200	(.552")	(.552")	No Tailpiece	NA

Note #1= For 7-pin version, suffix -7 i.e. 2000-033-7

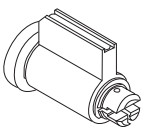

CR2001-052


CR2001-044


CR2001-066

Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length) 6-Pin	Tailpiece Part Number (Length) 7-Pin	Remarks
CR2001	031	CL3129	(.509")		775F958 (.808")	775F968 (.652")	Use CR2001-031-E8 for EMK Blank
	034	CL3329/CL3629 CL3429 (Lockset Series Obsolete)	(.509")		585F338 (1.046")	585F358 (.890")	Use CR2001-034-E8 for EMK Blank
	044	CK4429 (Straight Tailpiece)		(.509")	564F508 (.764")	NA	Use CR2001-044-E4 for EMK Blank
	052	CK4229	(.552")	(.552")	No Tailpiece	NA	Use CR2001-052-E4 for EMK Blank
	066	CK4429 (Twisted Tailpiece)		(.509")	574F128 (.835")	NA	Use CR2001-066-E4 for EMK Blank

Note #1= For 7-pin version, suffix -7, i.e. CR2000-033-7
Note #2= CR2003-044 used for CK4455 & CK4482 prior to August 1993

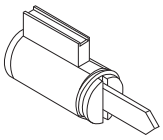

CR2100-052

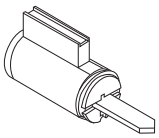
Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length) 6-Pin	Tailpiece Part Number (Length) 7-Pin	Remarks
CR2100	052	Ronde and Continental Knob (Obsolete)		(.552")	No Tailpiece	NA	Finishes 605, 606, 611, 612, 613, 625, 626

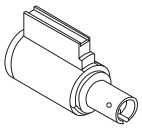
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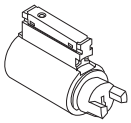
Component (Key-in-Lever/Knob) Conventional

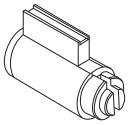
Key Systems

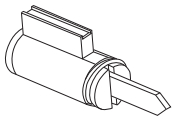

CR2200-001


CR2200-002


CR2200-008


CR2200-076


CR2200-054


CR2200-003

Cylinders for Other Manufacturer's Products - 6-pin

Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length)	Tailpiece Orientation
CR2200	001-A21	Alarm Lock DL2500 Series	(.552")	(.552")	444F748 (.813")	Vertical
		Arrow® H Series Knobs and Levers				
		Arrow Q Series Levers				
		Sargent® 10 Line (Enlarge Lever Hole)*				
		Schlage® D Series Levers				
	001-A22	*Schlage* AL and ND Series Levers	(.552")		461F108 (1.078")	Vertical
	002-A21	*Schlage* D Series Knobs		(.552")	444F748 (.813")	Horizontal
	002-A22	*Schlage* A Series Knobs (PLY, etc.)		(.552")	461F108 (1.078")	Horizontal
	002-A23	*Schlage* A Series Knobs (ORB, only)		(.552")	520F358 (1.328")	Horizontal
	003-A24	Lockwood® H Series Knobs (Enlarge Knob Hole)		(.552")	444F748 (.813")	Vertical
	008	*Sargent* 7,8,9 Line (Enlarge Knob Hole)		(.552")	NA	
	054	Yale® 5400, 6200 Knobs Only (Enlarge Knob Hole)		(.552")	NA	
	076	*Sargent* 7600 Integralock (Enlarge Knob Hole)		(.552")	NA	

*Or order Sargent 10 Line locks with 30 prefix.

Cylinders with Other Manufacturer's Keyways - 6-pin

Type	Tailpiece / Keyway	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number	Remarks
CR2400	031-C	CL3100	(.509")		778F788 (.710")	*Schlage* C Keyway
	031-LA	CL3100	(.509")		778F788 (.710")	*Schlage* LA Keyway
	033-C	CL3300/CL3600 (June 2000 and after) ED8200/ED8400	(.509")		622F328 (1.106")	*Schlage* C Keyway
	033-LA	CL3300/CL3600 (June 2000 and after) ED8200/ED8400	(.509")		622F328 (1.106")	*Sargent* LA Keyway
	034-C	CL3400 (Lockset Series Obsolete) CL3600 (Prior to June 2000)	(.509")		682F398 (0.950")	*Schlage* C Keyway
	034-LA	CL3400 (Lockset Series Obsolete) CL3600 (Prior to June 2000)	(.509")		682F398 (0.950")	*Sargent* LA Keyway
	037-C	CL3700	(.509")		685F098 (0.794")	*Schlage* C Keyway
		CK4700		(.509")		
	039-C	CL3900	(.509")		616F208 (1.700")	*Schlage* C Keyway
	039-LA	CL3900	(.509")		616F208 (1.700")	*Sargent* LA Keyway

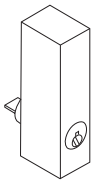
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Conventional Component (Key-in-Lever/Knob/Dead Bolt)

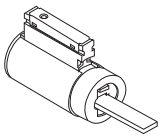
Key Systems

Cylinders for Other Manufacturers' Products (.552" Plug Diameter) - 6-pin

Type	Tailpiece	Series	Plug Diameter	Tailpiece Part Number (Length)	Remarks
CR4200	002-A47	Adams Rite® 4025 Pull	(.552")	146F788 (0.968")	Cylinder Only
	003-A47	*Adams Rite* 4025 Pull	(.552")	146F788 (0.968")	Cylinder and Housing



CR4200-003-A47



CR4200-002-A47

DL2200/DL3200 Deadbolts Cylinder (.509 Plug Diameter)

Cylinder Type	Function	1-3/8" or 1-3/4" (Standard)		2" or 2-1/4"	
		Cylinder	Tailpiece	Cylinder	Tailpiece
6-Pin	11, 13, 17	CR4400-134-A51	753F768	CR4400-134-A51	753F768
	12	CR4400-134-A52	753F778	CR4400-214-A52	753F788
7-Pin	11, 13, 17	CR4400-134-A51-7	753F768	CR4400-134-A51-7	753F768
	12	CR4400-134-A52-7	753F778	CR4400-214-A52-7	753F788

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Rim Cylinders

For use with exit devices and exit device trim.



Type	Tailpiece Length	Pins	Keyway	Finish
CR3000	058 5/8" 955 and 959 Trims 138 1-3/8" M61 & M62 option for ED8200 and obsolete ED9200 exit device alarms 200 2" (std. door) 200N 2" ED4000/ED5000 Night Latch Function 200V 2" vertical tailpiece 312 3-1/2" (thick door) 312V 3-1/2" vertical tailpiece **Tailpiece Orientation** std. = Horizontal V = Vertical	6 (standard) 7	(see pages 31-39)	605 606 611 612 613 622 625 626 629 630 722 BSP WSP

Rim Thumbturn



Type	Tailpiece Length	Pins	Keyway	Finish
CR3300	138 1-3/8" 200 2" (std. door)	N/A	N/A	605 606 611 612 613 622 625 626 629 630 722 BSP WSP

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Corbin Russwin
ASSA ABLOY

Interchangeable Core

Key Systems

Fast changeover - new security in seconds!



Interchangeable Core

Options:

- 7-Pin
- VKC (Visual Key Control)
- CKC (Concealed Key Control)
- Restricted/Protected Keyways
- Pyramid

Advantages
Rekeying can be done by non-technical personnel without removing hardware from the door. When used system-wide, IC provides tremendous rekeying convenience.

When planned from the inception of a system, IC cylinders can be integrated with conventional cylinders.

Applications
IC is recommended for virtually all types of keying systems, such as office buildings, hotels, schools, hospitals and universities. When used in exit devices and other installations which are labor intensive to rekey, IC saves time and money over the life of the building.

Operations
All operating keys (change, master, grand master) operate the lock normally. To rekey, use the special control key. The control key operates at a separate shear line in certain chambers within the core. Only the control key is required to remove and install a core.

Cores
6-pin standard; 7-pin, security and Pyramid optional. Two nickel silver change keys furnished standard per core. Control keys only furnished when ordered.

Key Control
Corbin Russwin cores are available with protected and restricted keyways, patented keyways, security and Pyramid to deter unauthorized key duplication. No orders for patented protected keys, security or Pyramid keys will be shipped for a keying system without a letter of authorization from the end user.

Construction Keying
Temporary cores are available for IC jobs that require construction keying.

Core Marking
Concealed Key Control (CKC) is available for all Corbin Russwin cores. Visual Key Control (VKC) is available for conventional cores, but not for security or Pyramid cores.

Ordering IC Locksets and Exit Devices
For specific product availability and Quick Codes for cylinder options, see "How to Order" in each catalog section.

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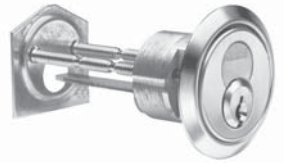
Interchangeable Core Mortise



CR10	8	0	–	114	–	A01	–	6	–	L4	–	x	Finish	x	Option

Core	Function	Length	Cam	Pins	Keyway	Finish*	Temporary Core
3 Pyramid 4 SFIC Housing Only (No Core) 8 Standard 9 Security (6-Pin only) 7 LFIC Housing only (no core)	0 Standard 1 Uses - E1suffix for EMK blank Hotel 1-3/8" with A01 cam only. 7 Pyramid Security	114 1-1/4" 138 1-3/8" 112 1-1/2" 134 1-3/4" 200 2" 214 2-1/4" 212 2-1/2"	(see page 40) A01 Cloverleaf A02 Straight A03 Adams Rite® MS and DL3000 Deadlock A04 DL4000 A05 *Adams Rite* 4070 A06 Schlage® Cloverleaf A07 DL4100 A62 MR Straight / CR900 Series Mullion A92 Exit GripTrim 01 & 02 A93 Obsolete deadlocks: Corbin® 610 Series and Russwin® 1403 Series	6 (standard) 7 (Not available for 1-1/4", 1-3/8" LFIC and 1-1/4" SFIC housings)	(see pages 31-39)	605 606 611 612 613 613E 622 625 626 629 630 722 BSP WSP	CT6R IC 6-pin with temporary construction core (Red) CT6B IC 6-pin with temporary construction core (Blue) CT6G IC 6-pin with temporary construction core (Green) CT7R IC 7-pin with temporary construction core (Red) CT7B IC 7-pin with temporary construction core (Blue) CT7G IC 7-pin with temporary construction core (Green) CT6D 6-pin LFIC Disposable CT7D 7-pin LFIC Disposable CTP Pyramid LFIC CTPD Pyramid LFIC Disposable CT6SD 6-pin SFIC Disposable CT7SD 7-pin SFIC Disposable

Interchangeable Core Rim



CR30	8	0	–	178	–	6	–	L4	x	Finish	x	Option

Core	Function	Tailpiece Length	Pins	Keyway	Finish*	Temporary Core
3 Pyramid 4 SFIC Housing Only (No Core) 8 Standard 9 Security (6-Pin only) 7 Housing only (no core)	0 Standard 7 Pyramid Security	058 5/8" 114 1-1/4" M61 & M62 option for ED8200 and obsolete ED9200 exit device alarms 178 1-7/8" (std. door) 178V 1-7/8" vertical tailpiece 318 3-1/8" (thick door) **Tailpiece Orientation** std Horizontal V Vertical (Not Available for 114 length)	6 (standard) 7	(see pages 31-39)	605 606 611 612 613 622 625 626 629 630 722 BSP WSP	CT6R IC 6-pin with temporary construction core (Red) CT6B IC 6-pin with temporary construction core (Blue) CT6G IC 6-pin with temporary construction core (Green) CT7R IC 7-pin with temporary construction core (Red) CT7B IC 7-pin with temporary construction core (Blue) CT7G IC 7-pin with temporary construction core (Green) CT6D 6-pin LFIC Disposable CT7D 7-pin LFIC Disposable CTP Pyramid LFIC CTPD Pyramid LFIC Disposable CT6SD 6-pin SFIC Disposable CT7SD 7-pin SFIC Disposable

*All plugs and shells for LFIC cylinders are provided in 606 or 626. Housings are provided in the finish of the lock hardware order

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Interchangeable Core

How to Order

Key Systems

Core Only



Description	Number	Remarks	EMK Blank
6-pin for CL3129	CR8001-031	Hotel indicator pin	E8 Suffix
7-pin for CL3129	CR8001-031-7	Hotel indicator pin	E8 Suffix
6-pin standard	CR8000	Set to hotel mortise EMK	N/A
6-pin standard	CR8000EMK	-E1 suffix	
Security	CR8010EMK	Set to hotel mortise EMK	N/A
Security	CR8010		-E1 suffix
7-pin	CR8000-7	Hotel indicator pin	N/A
6-pin for CL3329, CL3629	CR8001-034	Hotel indicator pin	-E8 suffix
7-pin for CL3329, CL3629	CR8001-034-7	Hotel indicator pin	-E8 suffix
6-pin for CK4229	CR8001-042	Hotel indicator pin	-E4 suffix
Security for CK4229	CR8011-042		-E4 suffix
Pyramid High Security	CR8020		N/A
Pyramid Security	CR8027		N/A

Specify Keyway
Finishes: 606 & 626 only
Uncombinated cores: Specify “UC”. Keys not provided. Not applicable for 8000EMK, 8010EMK

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Standard Function
Security Mortise



CR10	1	0	–	118	–	A01	–	6	–	L4	–	x	Finish	x	Option

Mechanism	Function	Length	Cam (see page 40)	Pins	Keyway	Finish	Uncombinated
1 Standard 9 IC (available) 1-1/4" 1-3/8" 1-1/2" 1-3/4" 2" 2-1/4"	0 Standard 1 Hotel	118 1-1/8" 114 1-1/4" 138 1-3/8" 112 1-1/2" 134 1-3/4" 200 2" 214 2-1/4" 212 2-1/2" 234 2-3/4"	A01 Cloverleaf A02 Straight A03 Adams Rite® MS and DL3000 Deadlock A04 DL4000 Deadlock A05 *Adams Rite* 4070 A06 Schlage® Cloverleaf A07 DL4100 A62 MR Straight / CR900 Series Mullion A92 Exit GripTrim 01 & 02 A93 Obsolete deadlocks: Corbin® 610 Series and Russwin® 1403 Series	6 -pin only	(see pages 31-39)	605 606 611 612 613 613E 622 625 626 629 630 722 BSP WSP	UC

Special Function Security Mortise

Hotel Function Security Mortise

Change key and all normal master keys have limited rotation to retract latchbolt only. Emergency Master Key (EMK) and display key turn 360° for additional operation of deadbolt. EMK and display key requires 7-pin key blank for standard cylinders and -E1 suffix blank for IC cylinders.

Cylinder Number	Description
CR1011-114-A01*	1-1/4" Cloverleaf cam only
CR1091-138-A01	IC version 1-3/8"
CR1071-138-A01	IC housing only

*1011 cylinder not available with D1, D2, L1 or L2 keyways

Cylinder Number	Cam
CR1012-114-A01	Cloverleaf cam
CR1012-114-A02	Straight cam
CR1012-114-A03	DL 3000 Series Adams Rite® MS cam
CR1012-114-A04	DL4000 Series Deadlock
CR1012-114-A05	*Adams Rite* 4070
CR1012-114-A93	Obsolete 610/1403 Deadlock

Cylinder Number	Change Key	Cam
CR1014-118-A02	Clockwise	Straight
CR1015-118-A02	Counter-Clockwise	Straight

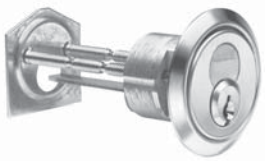
Folger Adam® NS400 Series x LEK uses A02 cam version.

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Security Rim



Standard

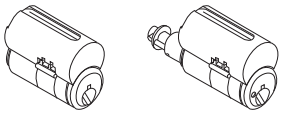


Interchangeable Core

CR3	0	1	0	–	200	–	6	–	L4	x	Finish	x	Option

Mechanism	Function	Tailpiece Length		Pins	Keyway	Finish	Uncombinated
		For 3010 Only	For IC				
1 Standard 9 IC	0 Standard	138 1-3/8" M61& M62 option for ED8200 and obsolete ED9200 exit device alarms	114 1-1/4" M61 & M62 option for ED8200 and obsolete ED9200 exit device alarms	6-pin only	(see pages 28-36)	605 606 611 612 613 613E 622 625 626 629 630 BSP WSP	UC
		200 2" (Std. door)	178 1-7/8" (Std. door				
		200V 2" vertical tailpiece	178V 1-7/8" vertical tailpiece				
		312 3-1/2" (thick door)	318 3-1/8" (thick door)				
		312V 3-1/2" vertical tailpiece					

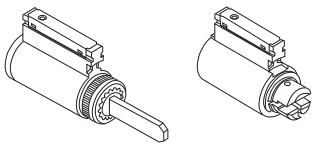
Security Cores Only



Description	Core Number	Remarks	EMK Blank
Standard	CR8010		N/A
For 1091	CR8010	EMK Set to hotel mortise EMK	-E1 suffix
For CK4229	CR8011-042	Hotel indicator pin	-E4 suffix

Specify Keyway. Available uncombinated, except CR8010EMK.
Finishes: 606 & 626 only

Key-in-Knob/Key-in-Lever



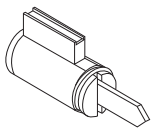
Lockset	Cylinder Number
CL3100	CR2010-031
CL3300, CL3500, CL3800, CL3600 Series (June 2000 and after)	CR2010-033
G1055 exit device knob trims	CR2010-033H
CL3300, CL3600 Series (Prior to June 2000)	CR2010-034
CL3800 Series (obsolete 1993-1997 model)	CR2010-038
CL3900 Series	CR2010-039
CL3900 Series (2", 2-1/4" Thick Door)	CR2010-039L
B2, G2 Exit Device Knob Trim	CR2010-051
CK4200 and UT5200 Series	CR2010-052
CK4229 Hotel Function	CR2011-052
CK4300 Series	CR2010-031H

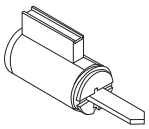
Specify Keyway. Available uncombinated.
Use -E4 suffix for EMK blank. Finishes: 606, 626

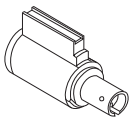
DL2200/DL3200 Deadbolts Cylinder

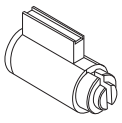
Function	1-3/8" or 1-3/4" (Standard)		2" or 2-1/4"	
	Cylinder	Tailpiece	Cylinder	Tailpiece
11, 13, 17	CR4410-134-A51	753F768	CR4410-134-A51	753F768
12	CR4410-134-A52	753F778	CR4410-214-A52	753F788

Other Manufacturers' Products









Vertical Tailpiece		Horizontal Tailpiece			
Alarm Lock DL2500 Series	CR2210-001-A21	*Schlage* D Series Knobs	CR2210-002-A21	*Sargent* 7, 8, 9 Line (enlarge knob hole) CR2210-008	Yale® 5400, 6200 Knobs (enlarge knob hole) CR2210-054
Arrow® H Series Knobs & Levers	CR2210-001-A21	*Schlage* A Series Knobs (PLY, etc.)	CR2210-002-A22		
Arrow Q Series Levers	CR2210-001-A21	*Schlage* A Series Knobs (ORB, only)	CR2210-002-A23		
Sargent® 10 line (Enlarge lever hole)*	CR2210-001-A21	Available Uncombinated. Finishes: 606, 626			
Schlage® D Series Levers	CR2210-001-A21				
Schlage AL and ND Series Levers	CR2210-001-A22				
Lockwood H Series Knobs (enlarge knob hole)	CR2210-003-A24				

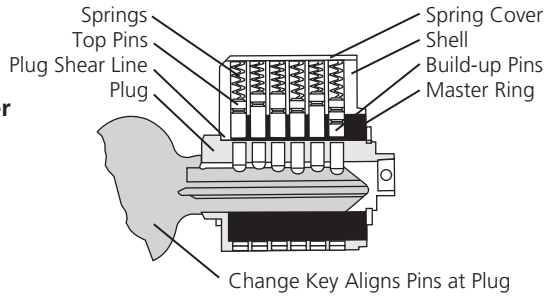
*Or order Sargent 10 Line locks with 30 prefix.

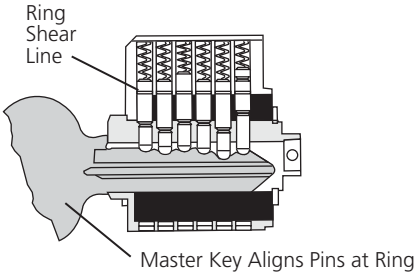
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Master Ring

Key Systems

- **Greater master keying capacity**
- **Superior keying flexibility**
- **Greater security in each cylinder**





Advantages

6-pin Master Ring keying systems offer keying capacity similar to 7-pin conventional cylinder systems.

There is, however, far greater flexibility for asymmetrical keying systems, because change key combinations do not require any direct relationship to those of master keys. In conventional systems, combinations not needed under a given master key cannot be used elsewhere in the system. In master ring, they can. This frees thousands of combinations for use anywhere within a master ring system.

Since the master keys all have their own shear line, fewer master pins are used, increasing cylinder security. This security enhancement reduces the chances of cylinders being manipulated by stray keys. It also hinders surreptitious entry by picking and impressioning.

When planned from the inception of a keying system, conventional cylinders may be integrated into specific parts of a Master Ring system for areas where the required hardware does not accommodate the large Master Ring cylinders.

Applications

Corbin Russwin Master Ring cylinders are especially recommended for installations which require large and complicated keying systems, such as hospitals and universities.

Field Serviceability

Corbin Russwin Master Ring cylinders are fully field serviceable.

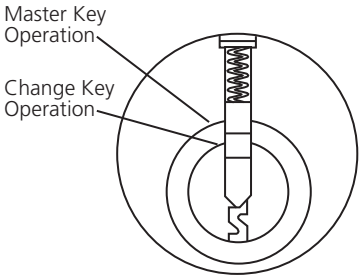
Note: Master Ring cylinders are not available uncombinated.

Key Control

Restricted and protected keyways are available.

Construction Master Keying

When planned from the inception of a keying system, construction master keying is available.



Operation

The change key rotates the cylinder plug only. Master keys operate at the master ring, which is a sleeve around the plug.

Cylinder Marking

Visual Key Control (VKC) and Concealed Key Control (CKC) are available for Master Ring cylinders.

Ordering Locksets and Exit Devices with Master Ring Cylinders

For specific product availability and Quick Codes for cylinder options, see "How to Order" in each catalog section.

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Master Ring

How to Order

Key Systems

Standard Master Ring Mortise

(1-1/2" diameter; .552" diameter plug)



Type	Length	Cam	Pins	Keyway	Finish
CR1060	100 1" (5-pin only)	(see page 40)	5 (1" length only)	(see pages 31-39)	605
	118 1-1/8"	A61 Cloverleaf*	6 (standard)		606
	114 1-1/4"	A62 Straight	7 (Available 1-3/8" only)		611
	138 1-3/8"	A63 Large Short			612
	112 1-1/2"	A64 Large Long			613
	134 1-3/4"	A65 Cloverleaf (formerly 11A)			613E
	200 2"				618
	214 2-1/4"	*A61 is for locks made after 5/93; requires thumbturn hub 562F41-2			619
	212 2-1/2"				622
	234 2-3/4"				625
	300 3"				626
					722
					BSP
					WSP

Flexible Head Master Ring Mortise

(1-1/2" diameter; .552" diameter plug)



Type	Length	Cam	Pins	Keyway	Finish
CR1160	100 1" (6-pin only)	(see page 40)	6 (standard)	(see pages 31-39)	605
	118 1-1/8"	A61 Cloverleaf*			606
	114 1-1/4"	A62 Straight			611
		A63 Large Short			612
		A64 Large Long			613
		A65 Cloverleaf (formerly 11A)			613E
					618
		*A61 is for locks made after 5/93; requires thumbturn hub 562F41-2			619
					622
					625
					626
					722
					BSP
					WSP

Dummy Master Ring Mortise



Cylinder Number	Length
CR1460-118	1-1/8"
CR1460-114	1-1/4"
CR1460-138	1-3/8"
CR1460-112	1-1/2"
Finishes: 605, 606, 611, 612, 613,	618, 619, 622, 625, 626, 722

Master Ring Rim

(1-1/2" diameter; .552" diameter plug)

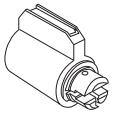


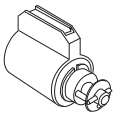
Cylinder Number	Description
CR3060-200	Standard horizontal tailpiece
CR3060-312	Thick door, horizontal tailpiece
CR3060-200V	Vertical tailpiece
CR3060-312V	Thick door, vertical tailpiece
Finishes: 605, 606, 611, 612, 613, 618, 619, 622, 625, 626, 722, BSP, WSP	

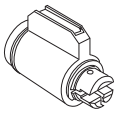
*Not available "UC" uncombined

CK4200 & UT5200 Series Lockset

Specify keyway (.552" diameter plug)

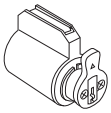


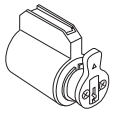


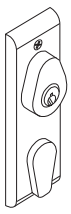


Standard Cylinder CR2060-052	With Indicator Pin for CK4229 Hotel CR2061-052	Discount. Ronde & Continental Knob CR2160-052
Finishes: 606, 626		

Exit Device Operators







For ED6800 x B5 or B6 For ED7400 x 03 or 04 CR4266-001-A02	For ED6800 x 01 or 02 CR4266-001-A92
Finishes: 606, 626	

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Description

Pyramid cylinders are available in both high security and security versions. The high security version is certified by Underwriters Laboratories to UL437 standards.

Applications

Especially recommended for installations requiring superior protection against picking, drilling and other surreptitious entry. Ideally suited for Educational and Healthcare facilities, Industrial and Commercial buildings.

System Administration & Key Control

Key control will be maintained through compliance with Corbin Russwin's Security Policy: for a copy contact Key Systems Administration or visit our web site at www.corbinrusswin.com.
All new Pyramid systems will require a completed System Information Document (orders cannot be entered without this document). The fully executed original document will be kept on file at Corbin Russwin Key System Administration. For all subsequent orders a letter of authorization will be required if the product is shipped to an address other than what is recorded on the System Information Document and/or if the address on the purchase order is different than what is listed on the System Information Document. Note that Key System Administration will not keep blanket letters of authorization on file.

Product Specification

All cylinders shall employ a protected locking mechanism that requires the use of a protected key and is furnished with a minimum of 7 pins. High Security cylinders shall meet the requirements of UL437. Interchangeable cores shall meet the drill resistance and pick resistance of UL437.

Keys shall be nickel silver and furnished with a large bow.

Features	Benefits
• High security protection (UL437) standard	• Underwriters Laboratory listing for resistance to picking & drilling
• 7-pin	• Greater master keying capabilities • Uses existing 6-pin interchangeable core housings • 1-1/4" (32mm) length for mortise cylinders
• Available with stainless steel pins	• Drill and pick resistant
• Large key bow	• Easy handling & special stamping options
• Thicker and stronger nickel silver keys	• Ideally suited for high usage & abusive applications
• User friendly	• No expensive dedicated equipment necessary for key cutting

Certifications

BHMA A156.5 Grade-1
E09211A* (Mortise)
E09221A* (Rim)
E09231A* (Bored Lock Cylinders)
*A (suffix) refers to cylinders of pick and drill resistance.

UL Underwriters Laboratories Inc.
(UL437)BP8976
CR1020, CR2020, CR3020 Fixed Core (FC) series only

Finishes

Pyramid cylinders are available in all Corbin Russwin standard finishes.

Keying

7 pin with two nickel silver change keys per cylinder. Pyramid fixed core security cylinders may be uncombinated (specify UC)[1], master or grand master keyed to a specific facility. Note: Pyramid cylinders are not available "0" bitted.

Keys shipped separately for master keyed cylinders.

System Specifications

- Pyramid systems are independent and cannot be keyed into existing and/or conventional systems.
- Pyramid cylinders are to be keyed to factory-generated bittings only.
- Cross keying is not available.

Key Discard Policy & Warranty

See page 49.

Construction Master Keying

Pyramid cylinders are not available construction master keyed. Interchangeable core jobs can be furnished with temporary construction cores. Temporary construction cores will be unrelated to the permanent system's master key. When the permanent cores are installed, the temporary construction cores are returned to Corbin Russwin for credit.

How to Order Example

1. Mortise lock with temporary construction core
   Qty. - ML2051 - LSA - 626 - RHR - CTP
2. Mortise cylinder with temporary construction core
   Qty. - CR1080-114-A01-626-CTP
3. Permanent core ordered separately
   Qty. - AA1 - CR8020 - 626

Pyramid Quick Codes[2]

PS	Pyramid Security Fixed Core
PCS	Pyramid Security Interchangeable Core
PHS	Pyramid High Security Fixed Core
PCHS	Pyramid High Security Interchangeable Core
CTP[3]	Pyramid with Temporary Construction Core
CLP[3]	Pyramid Less Core

1. UC cylinders are supplied, less keys, pins, springs and pin covers.
2. When cylinders are ordered with locks.
3. Pyramid cores to be ordered as a separate line item.

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Performance Features

Shell
- Locking pin mechanism
- Hard metal inserts

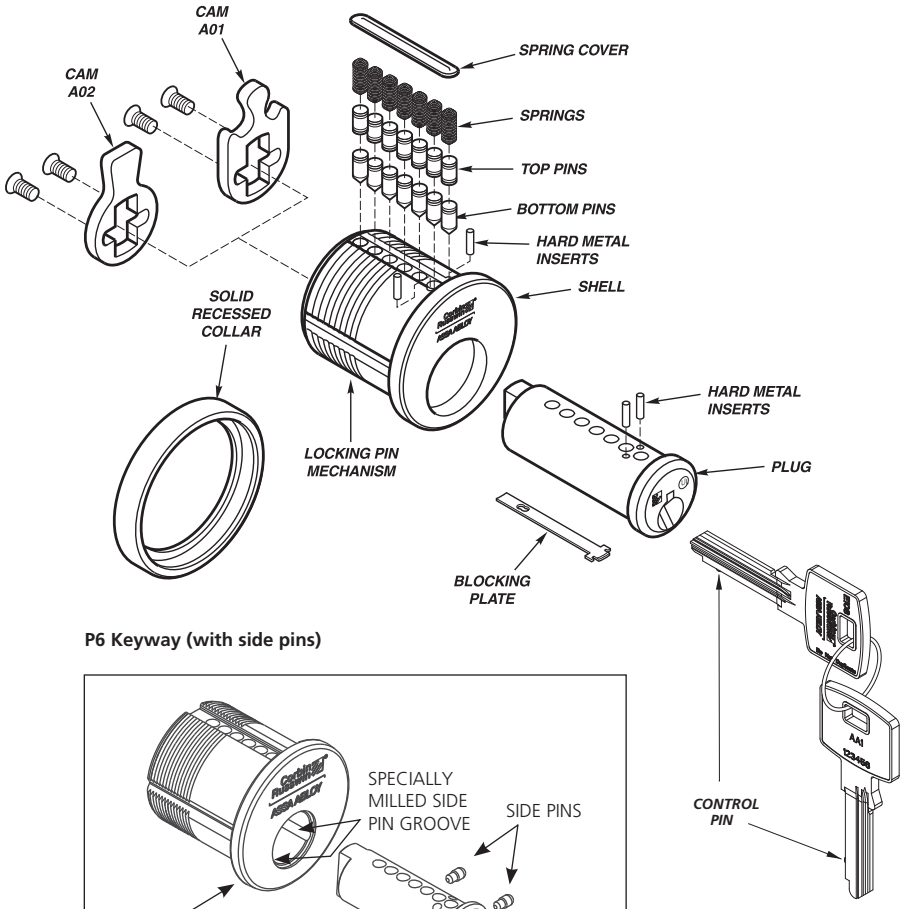
Key
- Control pin

Plug
- Blocking plate
- Hard metal inserts

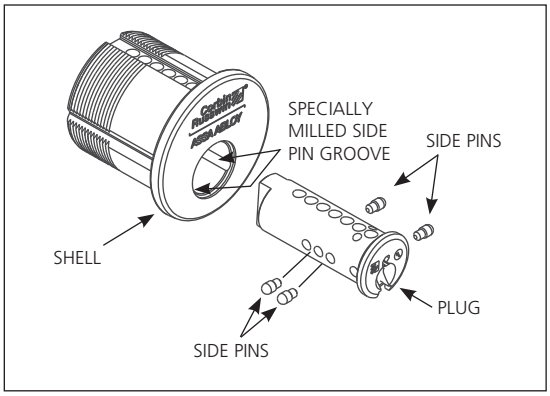
Pins & Springs
- Hardened stainless steel pick-resistant bottom pins*
- Hardened stainless steel pick-resistant top pins*
- Hardened stainless steel pick-resistant master pins (if required)*
- Hardened stainless steel pick-resistant build-up pins (if interchangeable core)*
- Springs

Collar
- Solid recessed (mortise)

* Hardened stainless steel pins used for UL437 High Security versions only. Pyramid Security version uses nickel silver bottom pins and brass master, build-up and top pins.



P6 Keyway (with side pins)



Operation



Without Key
Locking pin mechanism engages blocking plate and prevents the plug from turning.



With Key
Key's control pin depresses the locking pin mechanism and allows the plug to turn.

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Keys

- Nickel silver
- Key Bow Type 28
- Ordering example: 7PIN-28-XXXX
  - Keyway
- Ordering example P6 Keyway:
  7PIN-28-XXXX-SPCXX
  - Keyway
  - Side Pin Code

Back Side Stamping & Options

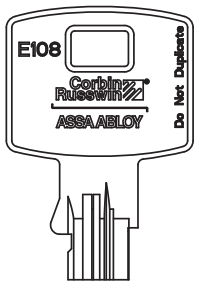
- Key set (VKC1), standard – unless otherwise indicated
- System registry number will be stamped on upper-level keys unless otherwise indicated
- Concealed key control (CKC2) available on cylinders
- Visual key control (VKC2 and VKC3) not available on cylinders. CKC3 also not available.

Note: Refer to Corbin Russwin's general catalog and price book for complete detailed information.

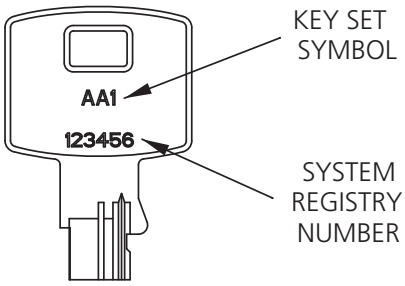
Keyway Security

Pyramid keyways will be determined by the supervisor of Key Systems Administration. Assignment will be based on the overall system requirements and geographic location to provide maximum protection to the owner. For security reasons, the keyway profiles are not shown.

Front Side



Back Side



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Mortise Cylinders

Mortise Locks/Deadlocks

Mortise Locks/Deadlocks

For use with all Corbin Russwin ML2000, ML2000HS and ML2200 (discontinued) mortise locks. DL4000 & DL3000 Series Deadlocks.

Mortise Exit Devices

For use with ED7600 and ED6600 devices.



Conventional Fixed Core (FC)



Interchangeable Core (IC)

Type	Length	Cam	Finish
CR1020 - High Security Mortise CR1027 - Security Mortise CR1030 - High Security IC Mortise complete CR1037 - Security IC Mortise complete CR1070 - Housing only	**CR1020/CR1027 - Non-IC (Fixed Core)** 114 - 1-1/4" (32mm) 112 - 1-1/2" (38mm) *See note #3 **CR1030/CR1037/CR1070 IC** 114 - 1-1/4" (32mm) 138 - 1-3/8" (35mm) 112 - 1-1/2" (38mm 134 - 1-3/4" (44mm) 200 - 2" (51mm) 214 - 2-1/4" (57mm) 212 - 2-1/2" (64mm)	A01 - Cloverleaf A02 - Straight A03 - Adams Rite® MS A04 - DL4000 Series A05 - Adams Rite® 4070 A06 - Schlage® Cloverleaf A07 - DL4100 A62 - 900 KRM Straight A92 - See note #1 A93 - See note #2	605 - Bright Brass 606 - Satin Brass 611 - Bright Bronze 612 - Satin Bronze 613 - Dark Oxidized Satin Bronze - oil rubbed 613E - Dark Oxidized Satin Bronze - Equivalent 618 - Bright Nickel Plated 619 - Satin Nickel Plated 622 - Flat Black Coated 625 - Bright Chromium Plated 626 - Satin Chromium Plated 629 - Bright Stainless Steel 630 - Satin Stainless Steel 722 - Black oxidized bronze, oil rubbed BSP - Black Suede Powder Coat WSP - White Suede Powder Coat

Note #1 - Not available IC
Note #2 - For obsolete Corbin® 610 and Russwin® 1403 series deadlocks
Note #3 - For ML2000 applications with door thickness exceeding 2-1/2" up to 3" in thickness, use IC cylinders.

How to Order Examples

High Security Mortise Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Length	Cam	Finish	Keyway
50	AA1	CR1020	114	A01	605	P3A1

Mortise Cylinder with a Pyramid Security Interchangeable Core

Quantity	Keyset	Cylinder	Length	Cam	Finish	Keyway
50	AA1	CR1037	114	A01	605	P3A1

Mortise Lock with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	ML2051	LSA	626	RHR	PHS (PS for Security version)	P3A1

Mortise Lock with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	ML2051	LA	626	RHR	PCHS (PCS for Security version)	P3A1

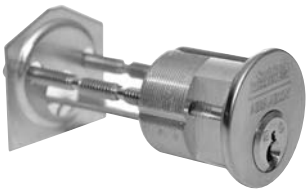
Exceptions

Pyramid cylinders are not available for the following: ML2029, ML2029HS, ML2029VR, ED7600 - applications over 2-1/4" thick, ED6600 - applications over 1-3/4" thick.

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Rim Cylinders

For use with exit devices and exit device trims.



Conventional
Fixed Core
(FC)



Interchangeable Core
(IC)

Type	Length	Availability		Finish
		FC	IC	
CR3020 - High Security Rim Cylinder CR3027 - Security Rim Cylinder CR3030 - High Security IC Rim Cylinder CR3037 - Security IC Rim Cylinder CR3070 - Housing only	058-5/8" (16mm) Tailpiece	X	X	605 - Bright Brass 606 - Satin Brass 611 - Bright Bronze 612 - Satin Bronze 613 - Dark Oxidized Satin Bronze - oil rubbed 613E - Dark Oxidized Satin Bronze - Equivalent 618 - Bright Nickel Plated 619 - Satin Nickel Plated 622 - Flat Black Coated 625 - Bright Chromium Plated 626 - Satin Chromium Plated 629 - Bright Stainless Steel 630 - Satin Stainless Steel 722 - Black oxidized bronze, oil rubbed BSP - Black Suede Powder Coat WSP - White Suede Powder Coat
	114 - 1-1/4" (32mm) M61 & M62 option for ED8200 and ED9200 exit device alarms		X	
	138 - 1-3/8" (35mm) M61 & M62 option for ED8200 and Obsolete ED9200 exit device alarms	X		
	178 - 1-7/8" (48mm) (Std. Door)		X	
	178V - 1-7/8" (48mm) vertical		X	
	200 - 2" (51mm)	X		
	200N - 2" (51mm) ED4000/ED5000 Night Latch Function	X		
	200V - 2" (51mm) vertical	X		
	312 - 3-1/2" (89mm)	X		
	312V - 3-1/2" (89mm) vertical	X		
	318 - 3-1/8" (79mm)		X	

How to Order Examples

High Security Rim Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Length	Finish	Keyway
50	AA1	CR3020	200	605	P3A1

Rim Cylinder with a Pyramid Security Interchangeable Core

Quantity	Keyset	Cylinder	Length	Finish	Keyway
50	AA1	CR3037	178	605	P3A1

Exit Device with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	ED5200	L955	630	RHR	PHS (PS for Security version)	P3A1

Exit Device with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	ED5200	L955	630	RHR	PCHS (PCS for Security version)	P3A1

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Pyramid Component (Key-in-Lever/Knob)

Key Systems

Key-in-Lever / Knob Cylinder

For use with Corbin Russwin CL3100, CL3300, CL3500, CL3700, and CL3800 lever locks, CK4200 and CK4700 knob locks and UT5200 unit locks. 2020/2027 series cylinders can also be used on CL3400, CL3600, CL3800 and CL3900 (discontinued) locks.



Conventional Fixed Core (FC)



Interchangeable Core (IC)

Type	Lockset Series	Finish
CR2020 - High Security Key-in-Lever/Knob CR2027 - Security Key-in-Lever/Knob	031 - CL3100 Lever	606 - Satin Brass 626 - Satin Chromium Plated
	031H - CK4300 Knob	
	033 - CL3300, CL3500, CL3600 (June 2000 and after) and CL3800 Lever	
	033H - G10 Exit Device Knob Trim	
	034 - CL3400 Lever - CL3600 Lever (Before June 2000) A5, N5 Obsolete ED8000 Trims	
	037 - CL3700 Lever - CK4700 Knob	
	038 - CL3800 Lever (Manufactured 1993-1997)	
	039 - CL3900 Lever (1-3/8" - 1-3/4" door)	
	039L - CL3900 Lever (2" - 2-1/4" door)	
	051 - G3 Exit Device Knob Trim	
	052 - CK4200 Knob - UT5200 Knob and Lever	

Key-in-Lever/Knob for other Manufacturers' Products

Cylinder Descriptions			
High Security (PHS)	Security (PS)	Tailpiece Orientation	Used for:
CR2220-001-P21	CR2227-001-P21	Vertical	Schlage® D Series Levers Arrow H® Series Knobs and Levers Sargent® 10 line (Enlarge Lever Hole)*
CR2220-002-P21	CR2227-002-P21	Horizontal	Schlage® D Series Knobs
CR2220-001-P22	CR2227-001-P22	Vertical	Schlage® AL and ND Series Levers
CR2220-002-P22	CR2227-002-P22	Horizontal	Schlage® A Series Knobs (Ply, etc.)
CR2220-002-P23	CR2227-002-P23	Horizontal	Schlage® A Series Knobs (ORB only)

*Or order Sargent 10 Line locks with 30 prefix.

DL2200/DL3200 Deadbolts Cylinder

Cylinder Type	Function	1-3/8" or 1-3/4" (Standard)		2" or 2-1/4"	
		Cylinder	Tailpiece	Cylinder	Tailpiece
High Security (PHS)	11, 13, 17	CR4420-134-A51	753F768	CR4420-134-A51	753F768
	12	CR4420-134-A52	753F778	CR4420-214-A52	753F788
Security (PS)	11, 13, 17	CR4420-134-A51-7	753F768	CR4420-134-A51-7	753F768
	12	CR4420-134-A52-7	753F778	CR4420-214-A52-7	753F788

How to Order Examples

High Security Component Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Lockset Series	Finish	Keyway
50	AA1	CR2020	033	626	P3A1

Cylindrical Lock with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Pyramid Quick Code	Keyway
50	AA1	CL3357	PZD	626	PHS (PS for Security version)	P3A1

Cylindrical Lock with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Pyramid Quick Code	Keyway
50	AA1	CL3357	PZD	626	PCHS (PCS for Security version)	P3A1

Exceptions

Pyramid cylinders are not available for the following: CL3329, CL3629, CK4229, CK4451, CK4455, CK4457, CK4429, CK4482, DL2100 series, DL3100 series.

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Interchangeable Core

For use with Corbin Russwin's 6-pin Interchangeable Core housings & shells.*



Type	Finish**
CR8020 - High Security IC core*	605
	606
	611
CR8027 - Security IC core*	612
	613
	613E
	622
	625
	626
	722
	BSP
	WSP

* Corbin Russwin 6-pin Interchangeable Core housings 1070 (mortise) & 3070 (rim) will accept 8020/8027 cores.

** All plugs and shells for LFIC cylinders are provided in 606 or 626. Mortise and rim housings are provided in the finish of the lock hardware ordered.

How to Order Examples

Security Interchangeable Core Ordered Separately

Quantity	Keyset	Cylinder	Finish	Keyway
50	AA1	CR8027	605	P3A1

Padlocks

Used with Pyramid Interchangeable Cores.
PL5030, PL5130, PL5230, PL5037, PL5137, PL5237



How to Order Examples

Padlock with a Pyramid High Security (CR8020) Interchangeable Core Cylinder

Quantity	Keyset	Series/Function	Shackle Length	Keyway
50	AA1	PL5030	258	P3A1

*Refer to general catalog for miscellaneous options.

Padlock with a Pyramid Security (CR8027) Interchangeable Core Cylinder

Quantity	Keyset	Series/Function	Shackle Length*	Keyway
50	AA1	PL5037	258	P3A1

Deadlocks

Used with Pyramid mortise cylinders. (DL3000 and DL4100)
Available in all standard finishes.



How to Order Examples

Deadlock with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	DL4113	626	RHR	PHS (PS for Security version)	P3A1

Deadlock with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Finish	Pyramid Quick Code	Keyway
50	AA1	DL4113	626	PCHS (PCS for Security version)	P3A1

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Corbin Russwin
ASSA ABLOY

Bump Resistant Cylinders

Key Systems

Protect your building from unwanted entry with Corbin Russwin bump-resistant cylinders. Our bump-resistant cylinders deter bumping without compromising the cylinder's structural integrity and strength. This option is available with Corbin Russwin conventional and Pyramid protected security and high-security cylinders on our mortise, cylindrical and exit device hardware.

Recently, a lot of information has been circulating about bumping, a technique used to defeat cylinders. Although this method has been around for a number of years, the internet has increased public awareness. Bumping is when a "bump key" is inserted into the cylinder and struck using a mallet or hammer type object. The bump key is specifically designed to transfer the energy from the force of the blow to create a separation in the cylinder's pins which compromises the lock allowing it to open.

Although BHMA has yet to establish bump-resistance standards, Corbin Russwin Bump Resistant Cylinders were tested and verified by an independent testing lab. They conclusively resisted bumping attack and did not allow entry. Verification and testing data is available upon request.

Bump-Resistant Cylinders:
- Specify "BRP"

Retrofit:
- Convert existing cylinders with Bump-Resistant Top Spool Pins

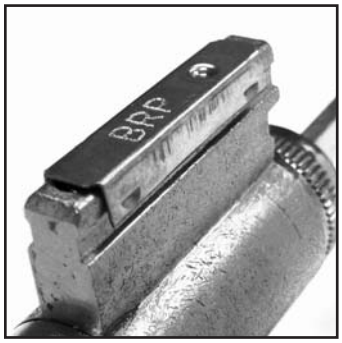
Features
Bump-resistant cylinders are designed for use with all Corbin Russwin locking hardware:
- Cylindrical locks
- Mortise locks
- Exit devices
- Access control locks
- Unit locks
- Auxiliary locks

Factory bitted, a symbol BRP is stamped onto pin cover/slides. Interchangeable core cylinders are not available with bump-resistant pinning.



BRP pinned mortise cylinder


BRP pinned rim cylinder



BRP pinned key-in-lever cylinder

Bump-Resistant Top Spool Pins

Description	Part Number	Qty
Conventional	628F10-7-171	Vials of 100 pcs.
Pyramid A	628F10-7-142	Vials of 100 pcs.
Pyramid C	628F10-7-236	Vials of 100 pcs.

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45078 6/19

L4	–	6-Pin	–	1	–	0

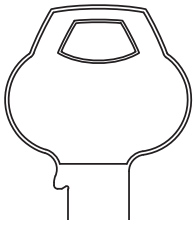
Key Sections	Length	Bow Shape	Bow Marking
(see pages 31-40)	Indicate 5-, 6-, 7-pin	1 Standard 5 Large 9 Security	0 Coined Logo 1 Plain 2 DND 3 US property DND 9 Restricted DND

Standard Bows



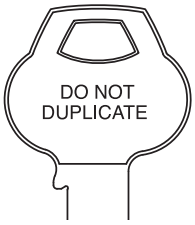
10

The standard bow furnished for all non-restricted keyways unless otherwise specified. The other side is blank.
Example: L4-6PIN-10.



11

Blank both sides, for use when more area is required for stamping, such as custom die stamps. Not for use with restricted keyways.
Example: L4-6PIN-11.



12

This bow enhances key control for non-restricted Corbin Russwin keyways. Other side blank. Example: L4-6PIN-12.



13

For use only on U.S. Government projects.
Example: L4-6PIN-13.

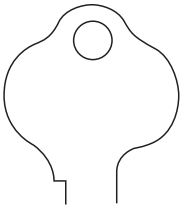
Protected and Restricted Keys

10, 50 and 90 bow shapes are designated as 19, 59 and 99 for protected and restricted keyways. They are stamped this way on the thumb side. Other side blank.

RESTRICTED
DO NOT
DUPLICATE

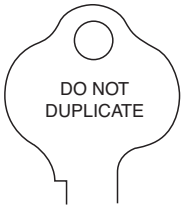
This stamp is not available for keys which are not protected and or restricted. Protected keyway keys will be stamped restricted.

Large Bows



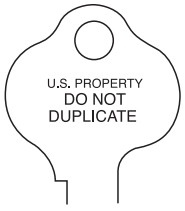
51

Blank both sides. Recommended for special die stamps or large amounts of stamping, and for Control and Emergency Master Keys. Not available for 752, 852 or A Class keyways.
Example: L4-6PIN-51.



52

Recommended for non-restricted keys which need extra space for special stamping. This bow also enhances key control for other Corbin Russwin keys. Not available for 752, 852 or A Class keyways.
Example: L4-6PIN-52.



53

For use only on U.S. Government projects. Recommended for use when a large amount of stamping is required. Not available for 752, 852 or A Class keyways.
Example: L4-6PIN-53.

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Security Bows (Inactive - for Existing Systems Only)

90

Standard bow for security keys. Example: L4-6PIN-90.

91

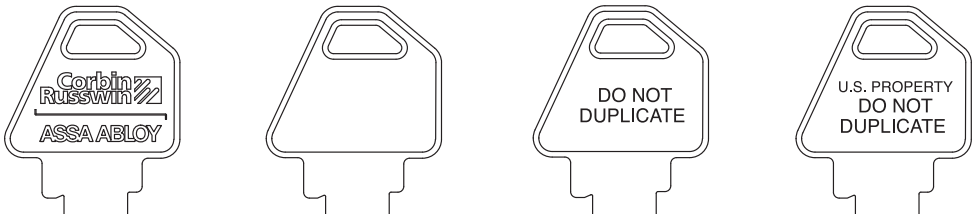
Blank both sides for security keys where extra stamping is required. Not for use with restricted keyways. Example: L4-6PIN-91.

92

This bow enhances key control for non-restricted security keys. Other side blank. Example: L4-6PIN-92.

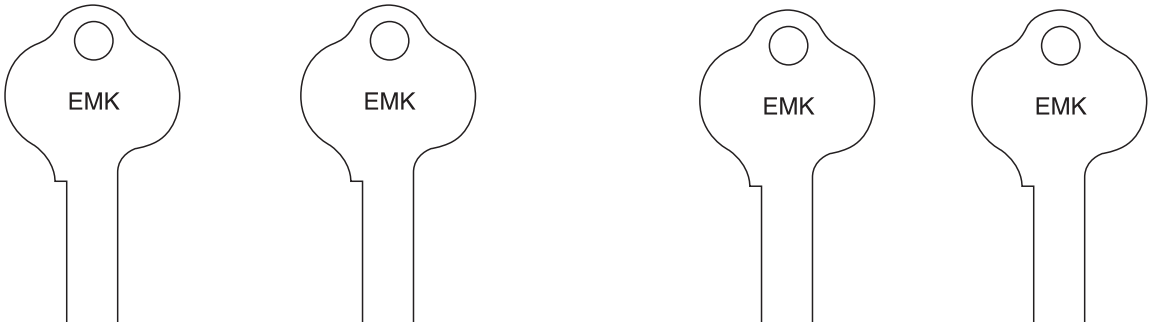
93

For use only on security keys for U.S. Government projects. Example: L4-6PIN-93.



Hotel Security Key Blanks

Standard hotel function mortise cylinders CR1001 and CR1011 use 7-pin Emergency Key blanks. The 51 bow is suggested e.g., L4-7PIN-51. All other Corbin Russwin hotel function cylinders require keys with a special undercut tip. The four variations are shown below.



-E1 Suffix

For interchangeable core mortise cylinder CR1081 (conventional) and CR1091 (security). Available 6-pin only. Examples: L4-6PIN-51-E1 or L4-6PIN-90-E1.

-E8 Suffix

For CL3329 and CL3629 and obsolete CL3429 key-in-lever locksets, fixed core and IC. Available 6- and 7-pin. Example: L4-6PIN-51-E8.

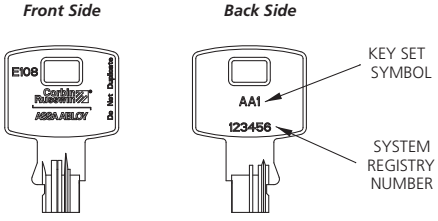
-E4 Suffix

For CK4229 locksets, fixed core and IC, conventional and security. Also for CK4429. Available 5- or 6-pin. Examples: L4-6PIN-51-E4 or L4-6PIN-90-E4.

-E5 Suffix

For obsolete 1429, 3333EM, 4333EM and 5629 key-in-knob locksets. Available 5- and 6-pin. Example: L4-6PIN-51-E5.

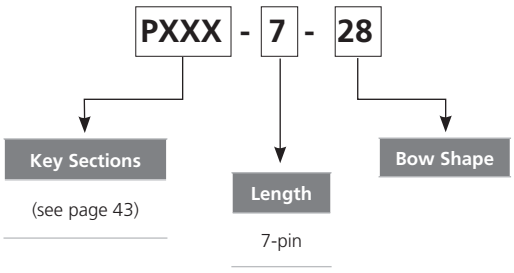
Pyramid Bow



28

Standard bow furnished for all Pyramid keys.

Ordering Example



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Multiplex/Simplex Keyways

Multiplex keyways can be used together to expand a keying system. A simplex keyway is independent, stands alone and cannot be tied into any other keyway to expand a keying system.

All/Multi-Section/Single Section Keys

All/Multi-section keys can be used on more than one cylinder with different sections. For example: a key cut on the L41 multi-section keyblank will pass cylinder in the L1, L2, L3 and L4 keyways. Single section keys can be used with cylinders of the same section. For example: a key cut on the L4 single section keyblank will only pass a cylinder in the L4 keyway.

Active Keyways

Keyways which are available for new Corbin Russwin keying systems are considered active. In the case of new master key systems, the factory reserves the right to select the keyway from a range of standard keyways, based on usage in a particular geographical area.

Inactive Keyways

Many older Corbin Russwin keyways are designated inactive. **No new systems** shall be established on these keyways. However, they continue to be available to support existing keying systems.

Restricted Keyways

For security reasons, these keyway profiles are not shown.

Protected Keyways

Key Systems Administration reserves the final decision as to which protected keyway family will be selected. A notice of acceptance showing the facilities name, address and contact information is required before orders can be processed For security reasons, these keyway profiles are not shown.

Pyramid Keyways

Pyramid keyways are only available for Pyramid cylinders and separate specifications are used from conventional Corbin Russwin keying systems. For security reasons, these keyway profiles are not shown. All new Pyramid systems will require a completed System Information Document (orders cannot be entered without this document). The fully executed original document will be kept on file at Corbin Russwin Key System Administration. For all subsequent orders a letter of authorization will be required if the product is shipped to an address other than what is recorded on the System Information Document and/or if the address on the purchase order is different than what is listed on the System Information Document. Note that Key System Administration will not keep blanket letters of authorization on file.

Bitting Classes

Corbin Russwin has several sets of dimensional standards for bitting (cutting) keys. If the wrong specifications are used when making keys on code machines in the field, they will not operate in conjunction with factory supplied cylinders and keys. The bitting class is given for each group of keyways. All bitting specs are available in the Corbin Russwin cylinder manual.

L Series (Corbin Russwin)

4 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.
Reverse of D Series.

Security

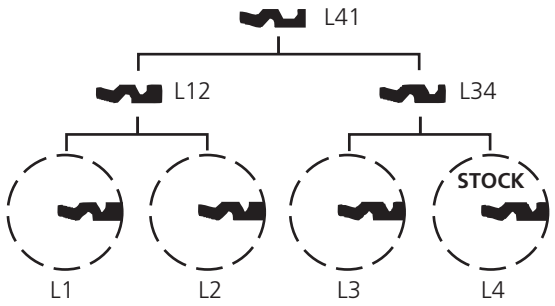


Available

All-Section Key

Multi-Section Key

Cylinder Keyway and Single Section Key



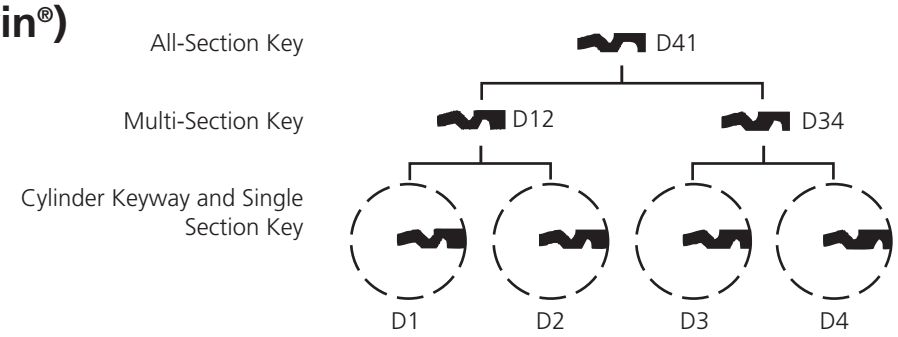
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D Series (Russwin®)

4 keyway multiplex system.
Available 5-, 6- and 7-pin.
DH Class bitting.
Reverse of L Series.

Security

Available

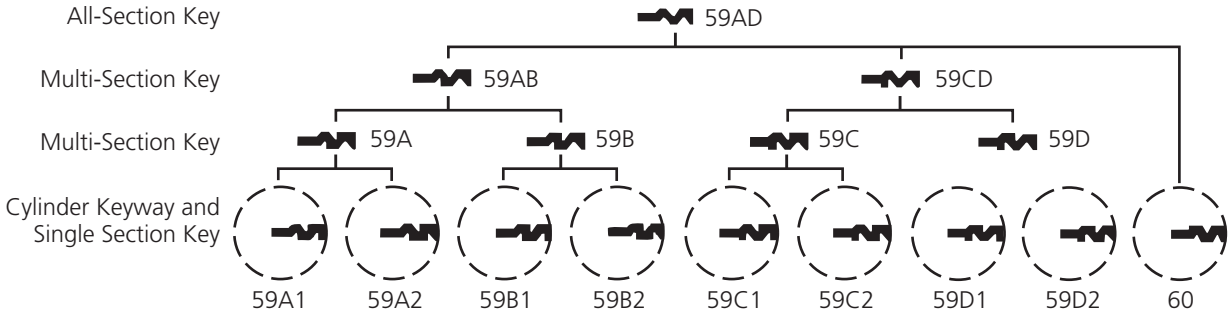


59 Series (Corbin®)

9 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

Security

Available

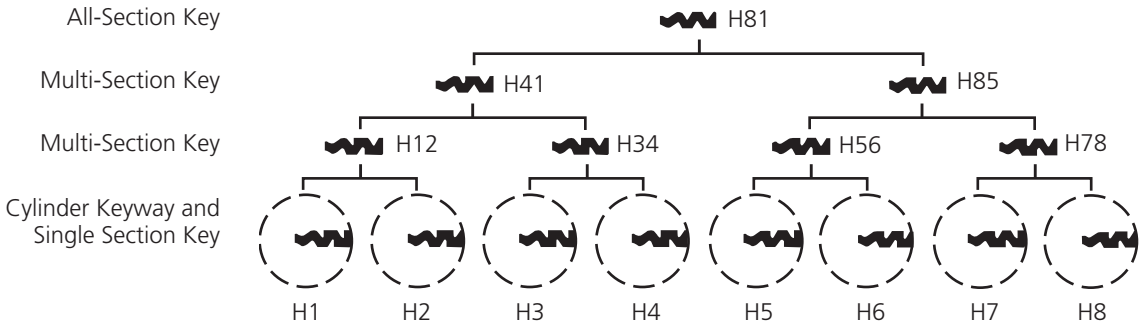


H Series (Russwin)

8 keyway multiplex system.
Available 5-, 6- and 7-pin.
DH Class bitting.

Security

Available



70 Series (Corbin)

Simplex Keyway.
Z Class bitting.
Reverse of 60.

Security

Available



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62 Series (Restricted)

Keyway profiles not shown for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

Security

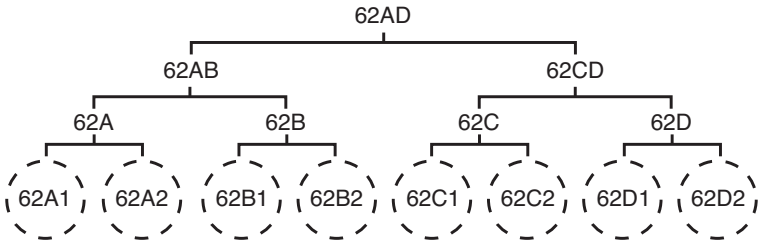
Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cylinder Keyway and Single Section Key



HO Series (Restricted)

Keyway profiles not shown for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
DH Class bitting.

Security

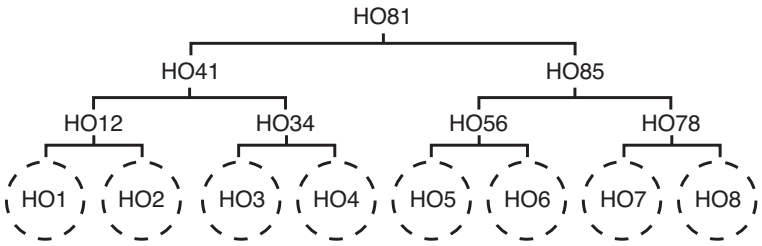
Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cylinder Keyway and Single Section Key



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Keyways

Key Systems

93 Series (Protected)

Keyway profiles not shown
for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

Security

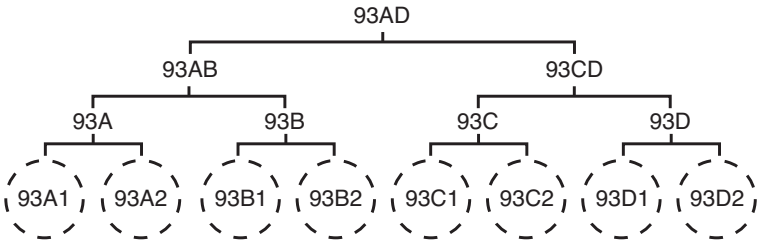
Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cylinder Keyway and
Single Section Key



39 Series (Protected)

Keyway profiles not shown
for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

Security

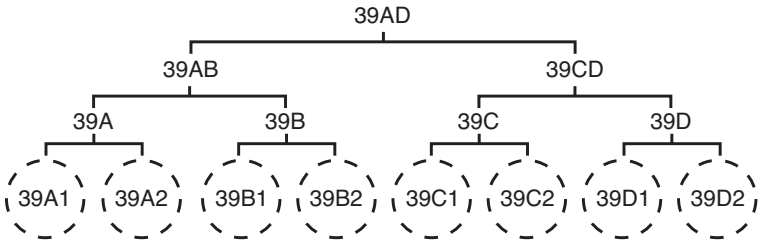
Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cylinder Keyway and
Single Section Key



F Series (Protected)

Keyway profiles not shown
for security reasons.
4 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting

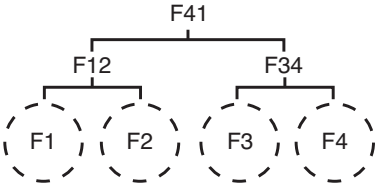
Security

Available

All-Section Key

Multi-Section Key

Cylinder Keyway and
Single Section Key



J Series (Protected)

Keyway profiles not shown
for security reasons.
4 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

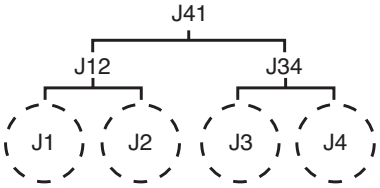
Security

Available

All-Section Key

Multi-Section Key

Cylinder Keyway and
Single Section Key



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57 Series

8 keyway multiplex system.
Available 5-, 6-, and 7-pin.
X Class bitting.

Reverses

57A1	27B2
57A2	27B1
57B1	27A2
57B2	27A1

Security



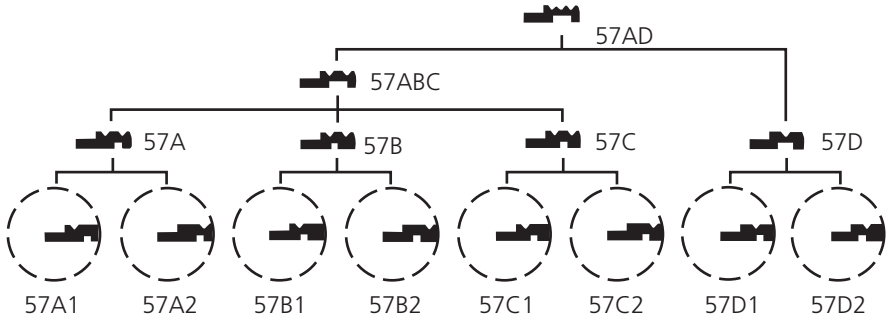
Not Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cyl. Keyway and Single Section Key



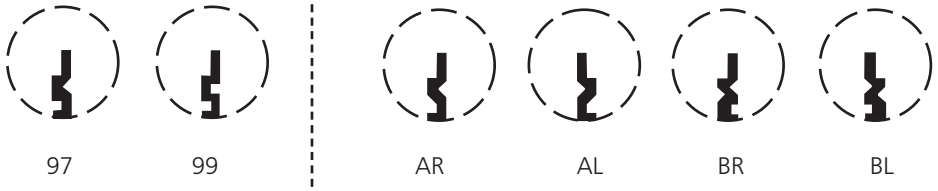
Simplex Keyways

6 independent keyways.
Available 5-, 6- and 7-pin.
X Class bitting.

Security



Not Available



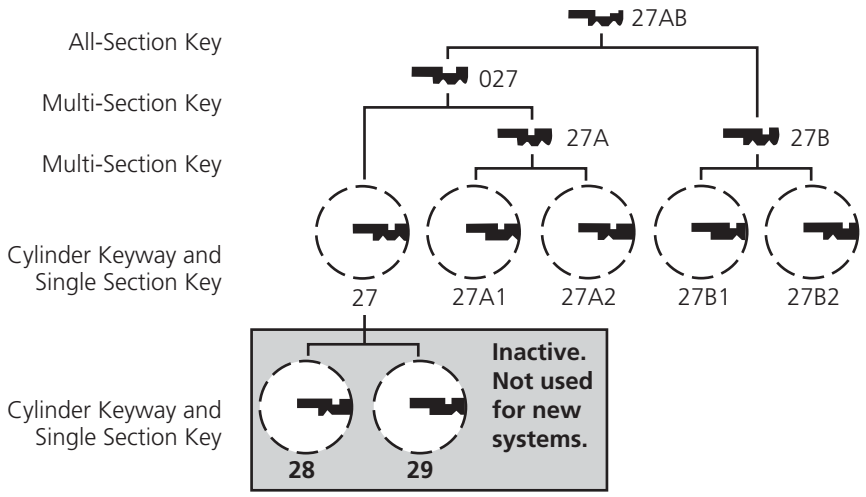
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27 Series

7 keyways total (5 active).
Available 5-, 6- and 7-pin.
X Class bitting.

Reverses

27A1	57B2
27A2	57B1
27B1	57A2
27B2	57A1

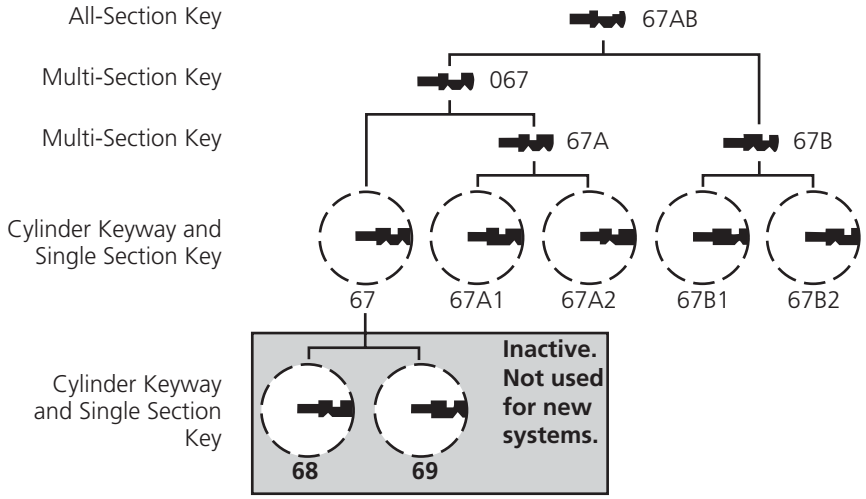


Security

Not Available

67 Series

7 keyways total (5 active).
Available 5-, 6- and 7-pin.
X Class bitting.
Reverse of 77 Series.

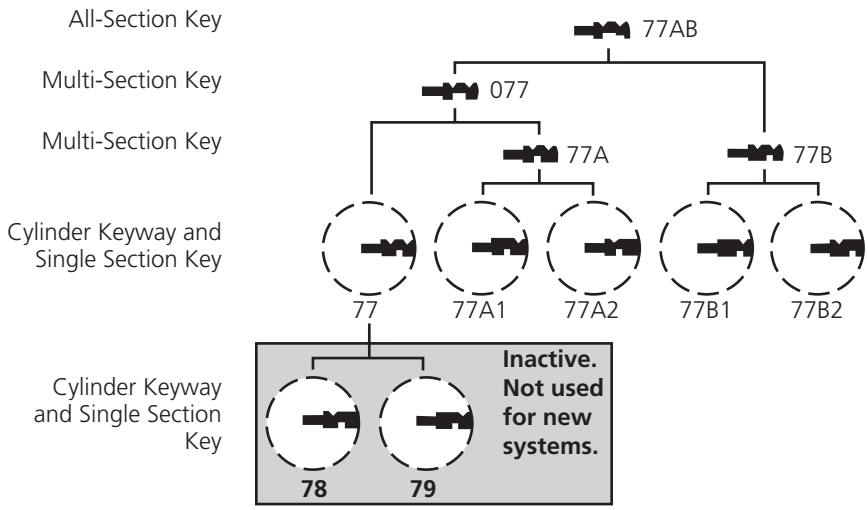


Security

Not Available

77 Series

7 keyways total (5 active).
Available 5-, 6- and 7-pin.
X Class bitting.
Reverse of 67 Series.



Security

Not Available

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981 Series

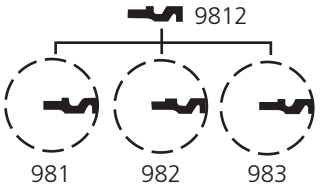
3 keyway multiplex system.
Available 5-, 6- and 7-pin.
981 Class bitting.

Security

Not Available

All-Section Key

Cylinder Keyway and Single Section Key



Former 6-pin Designations	961	962	963
Former 7-pin Designations	971	972	973

N Series (Obverse)

14 keyways total: N1- N14.
Available 5-, 6- and 7-pin.
N Class bitting.

Former Designations

6-pin: 1N-14N
5- and 7-pin: 1K-14K

Security

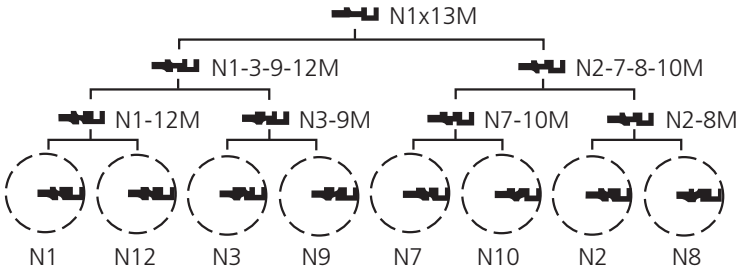
Not Available

All-Section Key

Multi-Section Key

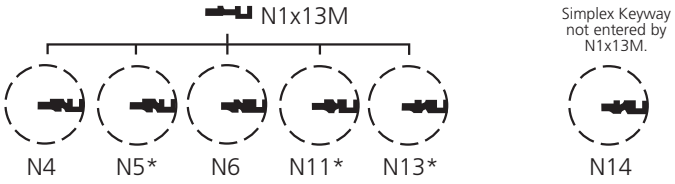
Multi-Section Key

Cylinder Keyway and Single Section Key



All-Section Key

Cylinder Keyway and Single Section Key



*NOTE: Do not use these pairs in the same keying system with each other: N1 with N13; N3 with N5; N7 with N11

N Series (Reverse)

14 keyways total: N15- N28.
Available 5-, 6- and 7-pin.
N Class bitting.

Former Designations

6-pin: 15N-28N
5- and 7-pin: 15K-28K

Security

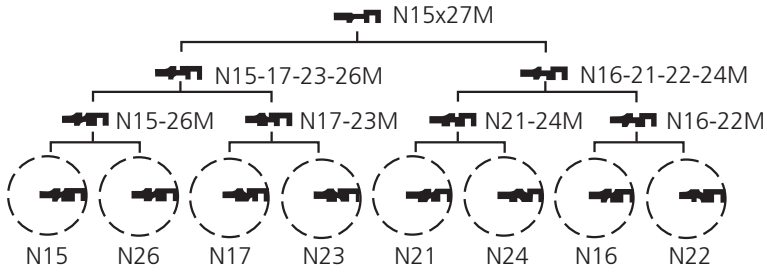
Not Available

All-Section Key

Multi-Section Key

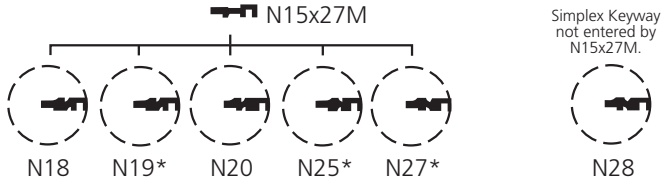
Multi-Section Key

Cylinder Keyway and Single Section Key



All-Section Key

Cylinder Keyway and Single Section Key



***NOTE: Do not use these pairs in the same keying system with each other: N15 with N27; N17 with N19; N21 with N25**

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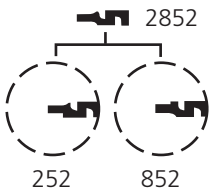
Keyways

Russwin® Inactive

Key Systems

852 Series

2 keyway multiplex system.
5-pin standard, 6-pin special.
Available with 10 Series bows only.
No hotel function cylinders.



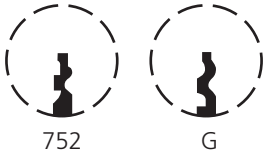
Security

Not Available

Simplex Keyways

5-pin only

752 uses 752 Class bitting
G uses 852 Class bitting
Available with 10 Series bows only.
No hotel function cylinders.



A Series (Obverse)

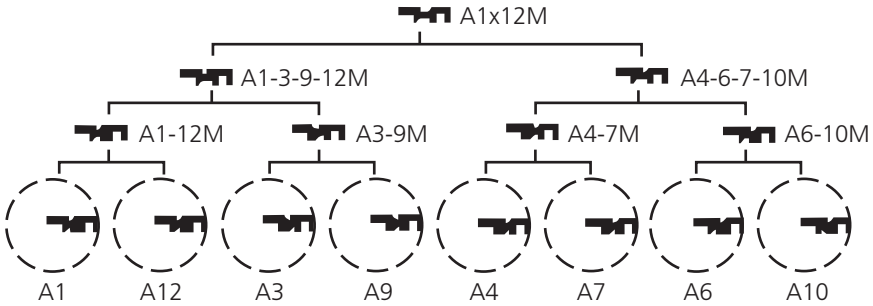
12 keyways: A1-A12.
5-pin standard, 6-pin special.
Available with 10 Series bows only.
A Class bitting.
No hotel function cylinders.

Former Designations
5-pin: 1A-12A
6-pin: 1Z-12Z

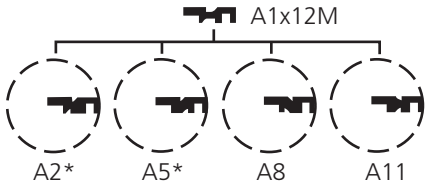
Security

Not Available

All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



All-Section Key
Cylinder Keyway and Single Section Key



* NOTE: Do not use these pairs in the same keying system with each other: A1 with A2; A4 with A5.

A Series (Reverse)

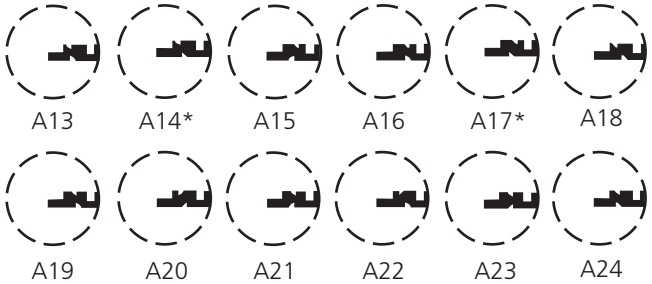
12 keyways: A13-A24.
5-pin standard, 6-pin special.
Available with 10 Series bows only.
A Class bitting.
No hotel function cylinders.

Former Designations
5-pin: 13A-24A
6-pin: 13Z-24Z

Security

Not Available

Cylinder Keyway and Single Section Key



*** NOTE: Do not use these pairs in the same keying system with each other: A13 with A14; A16 with A17.**

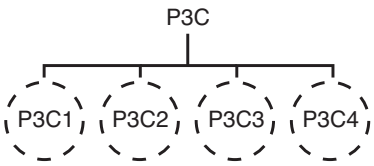
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Pyramid (Protected)

P3C Series

Keyway profiles not shown for security reasons.
4 keyway multiplex

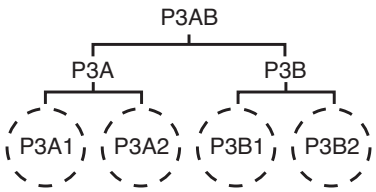
Multi-Section Key
Cylinder Keyway and Single Section Key



P3AB Series

Keyway profiles not shown for security reasons.
4 keyway multiplex

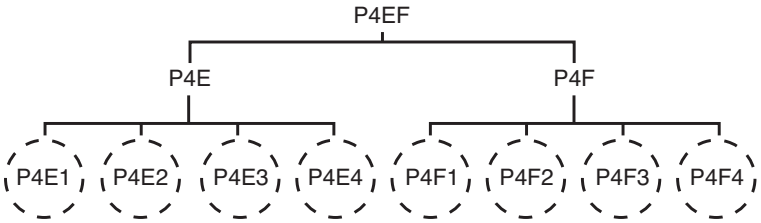
All-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



P4EF Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

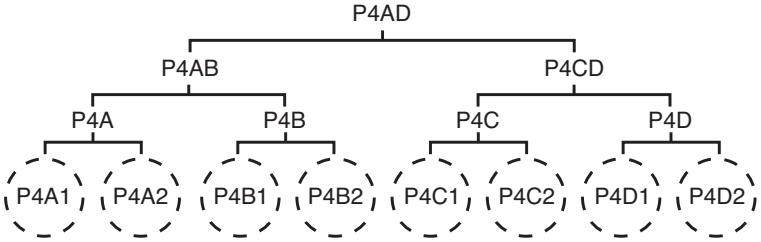
All-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



P4AD Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

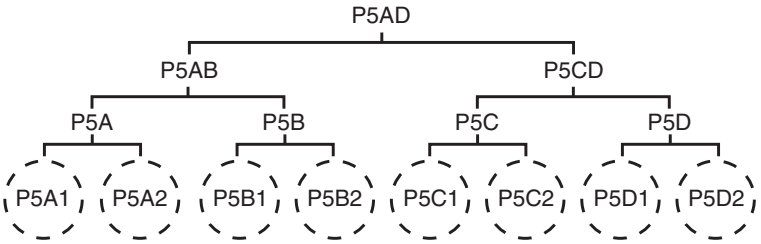
All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



P5AD Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

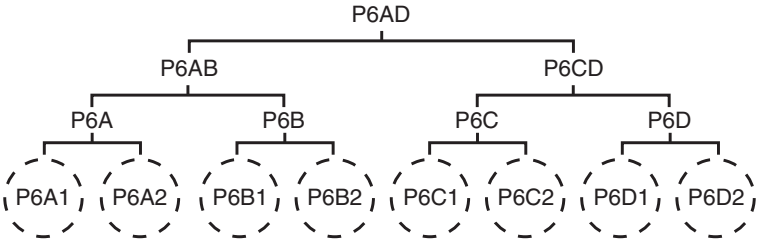
All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



P6AD Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



***Note: Each P6 keyway will have its own unique side pin code locations to be assigned by Key Systems Administration. The side pin code is not available with the other Pyramid keyway families.**

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Mortise Cylinder Cams

Lockset Applications

Key Systems

Cams for current products or models

	Type	Part Number		Model/Description
	A01	Reg. 756F50 IC	Corbin Russwin Arrow®, Marks 5000, PDQ	Steel case mortise locks except classroom and institutional privacy functions. Deadbolt functions of green cast iron case mortise locks. NOT for master ring mortise cylinders. All mortise functions using Cloverleaf cam.
	A02	Reg. 756F51 IC	Corbin Russwin Baldwin Marks	Steel case mortise lock classroom (55), inside of vestibule (42) and institutional privacy (69) functions. Most exit device trims. NOT for master ring mortise cylinders. All mortise locks. 7000, 9000 and most brands of older black cast iron locks.
	A03	Reg. 756F52 IC	Corbin Russwin Adams Rite® Lori	DL3000 Series Cylindrical Deadlocks only. 1800 Series, 4015 Deadlocks; 4500 and 4700 Series Latch Locks. CR4500, CR4600 Series Deadlocks.
	A04	Reg. 756F53 IC	Corbin Russwin	DL4000 Series Mortise Deadlocks only.
	A05	Reg. 756F54 IC	*Adams Rite*	CR4070 Series Deadlocks.
	A06	Reg. 756F55 IC	Schlage®	L9000 Series (Cloverleaf only).
	A07	Reg. 756F56 IC	Corbin Russwin	DL4100 Series Deadbolts
	A61	Reg. 562F40	Corbin Russwin	Mortise Series deadbolt function master ring locks manufactured **since June 10, 1993** (silver case). Adapt earlier (gold case) model to use this cam by installing thumbturn hub 562F41-2.
	A62	Reg. 756F58 IC	Corbin Russwin Corbin Russwin DORMA	Mortise Series Master Ring classroom (55) function and inside of vestibule (42) function mortise locksets. CR900 Series Mullion, CRWS700 Series Mullion (Both KRM) Mortise Locks
	A65	Reg. 025F72	Corbin Russwin	Mortise Series: required for master ring deadbolt functions manufactured **before June 10, 1993** (gold case) and for outside of current vestibule (42) function. Optional for current non-deadbolt functions except classroom (55) and inside of vestibule (42) function.
	A92	Reg. 756F62 IC	Corbin Russwin	Concealed vertical rod exit device outside grip handle operators 01 and 02.

Cams for obsolete Corbin Russwin products or models

 A63	121F01	Corbin Russwin	Black cast iron case master ring mortise locks, except models with 1" throw deadbolt.
 A64	135F19	Corbin Russwin	Black cast iron case master ring mortise locks with 1" throw deadbolt.
 A93	Reg. 281F27 IC 362F43	Corbin Russwin	610 and 1403 Series Cylindrical Deadlocks.

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Standard Collars +

Spring		
	253F97	.150" (5/32")
	249F43	.096" (3/32")
	549F51	.156" (5/32") - Ring only
	549F52	.219" (7/32") - Ring Only
	605F43	.350" (11/32")
	428F66	Packet: 549F52 + 253F97
	429F43	Packet: 549F51 + 249F43

Solid, Recessed for Cylinder Head		
	700F53	.090" (3/32") VR trim, double cylinder 1-1/4"
	261F54	.094" (3/32") x 2-1/4" O.D. for ED6000 with T5, T6, T9, T9M, T10, T10M, T11M trim
	270F15	.156" (5/32"); total projection 9/32"
	598F89*	.156" (5/32"); total projection 9/32"
	447F41*	.031" (1/32"); total projection 1/4"
	447F42*	.172" (11/64"); total projection 25/64"
	610FO1*	.221" (7/32"); total projection 7/16"
	610F02*	.289" (9/32"); total projection 1/2"
	654F07	.350" (11/32"); total projection 15/32"
	447F43*	.375" (3/8"); total projection 19/32"
	609F36*	.500" (1/2"); total projection 23/32"
	609F37*	.650" (21/32"); total projection 7/8"
	609F38*	.850" (27/32"); total projection 1-1/16"
	134F05	.510" (1/2") for ED6800 x B5 or G6 and all ED7400, ED7800 with 1-1/8" cylinder
	267F97	.635" (5/8") for ED6800 x O1 or O2 with 1-1/8" and ED6800 x B5 or G6 and all ED7400, ED7800 with 1-1/4" cylinder
	399F48	.750" (3/4") for ED6800 x O1 or O2 with 1-1/4" cylinder
	654F08	.550" (9/16"); total projection 11/16"

Spacers for Flexible Head Cylinders		
	370F29	.125" (1/8")
	370F31	.250" (1/4")
	252F82	.315" (5/16")

Other Solid Collars		
	416F39*	.172" (11/64") security collar; total projection 13/32"
	686F98*	.172" (11/64") security collar; total projection 13/32" (3 wave washers)
	303F25	.312" (5/16") for 1-1/8" cylinder on aluminum door

Miscellaneous		
	255F53	Rim cylinder, flush mount
	422F88	Rim cylinder, surface mount
	197F34	Wave washer

*** Number includes wave washer in packet**

+ Refer to corresponding parts and service manuals for correct cylinder collar applications and selection guide

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Cylinder Accessories

Collars and Master Ring Adapter

Key Systems

Master Ring Collars +

Solid, Recessed for Cylinder Head		
	447F44*	.031" (1/32"); total projection 1/4"
	447F45*	.172" (11/64"); total projection 25/64"
	447F46*	.375" (3/8"); total projection 19/32"
	699F81*	.505" (1/2"); total projection 23/32"
	261F55	.094" (3/32") X 2-1/4" O.D. for ED6000 with T5, T6, T9, T9M, T10, T10M, T11M trim
Spacers for Flexible Head Cylinders		
	366F70	.090" (3/32") tapered
	370F33	.094" (3/32")
	370F35	.281" (9/32")
Miscellaneous		
	255F54	Rim cylinder, flush mount
	197F35	Wave washer

*** Number includes wave washer in packet**

+ Refer to corresponding parts and service manuals for correct cylinder collar applications and selection guide

Master Ring Adapter



For installing standard diameter mortise cylinder in master ring lockset.
Specify 522F93-2.
Order cam separately. See page 40.

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Collars

- 1-3/4" (44mm) thick door. For other door thicknesses and trim considerations, contact Corbin Russwin Technical Product Support.
- Mortise Cylinders – 1-1/4" (32mm) length



	Spring	Solid								Surface Mount
	605F43 (.350)	447F41 (.030)	700F53 (.090)	270F15 (.156)	598F89 (.156)	447F42 (.172)	610F02 (.289)	447F43 (.375)	654F07 (.350)	267F97 (.635)	422F88 (.000)
Mortise Cylinder											
High Security Separately (1020, 1030)							X				
Security Separately (1027, 1037)	X										
Mortise Lock											
Single Cylinder											
Sectional							X				
N Escutcheon					X						
P Escutcheon					X						
M Escutcheon					X						
L & R Escutcheon		X									
T Escutcheon (no collar required)											
Double Cylinder											
Sectional								X			
N Escutcheon							X				
P Escutcheon							X				
M Escutcheon							X				
L & R Escutcheon						X					
T Escutcheon						X					
V Escutcheon			X								
Auxiliary Locks											
DL4011, 4013, 4017						X					
DL4012								X			
Rim Cylinder											
High Security Separately (CR3020, CR3030)											X
Security Separately (CR3027, CR3037)											X
Exit Devices											
ED4000-5000 Series											
700 Trim, F2, F3, T13, P9									X		
K1				X							
700M Trim, F2M, F3M, T13M							X				
900 Trim											X
Cylinder Dogging				X							
ED6000 Series											
N3, G4, T3				X							
N4M, G5M											X
T7M, T9M					X						
ED7000 Series											
P4, P6, P7		X									
C4, 03, 05										X	
T11				X							
ED8000 Series											
KO											X
F1, P1, P2 (no collar required)											

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Corbin Russwin
ASSA ABLOY

Plug Diameters/Quick Codes

Key Systems

Corbin Russwin Cylinder Plug Diameters

When combinating Corbin Russwin cylinders, the diameter of the plug determines the set of bottom pin and build-up pin lengths to use. The plug diameter is either .509" or .552". All Pyramid cylinders have a plug diameter of .496" and have their own pin kit. Current Corbin Russwin cylinder plug diameters are listed below by product series. Before 1983, however, all Corbin® X Class cylinders used .509" diameter plugs.

CL3200 Series*	Security Bolt	.509"	1400/4300 Series (obsolete)	Cylindrical	.552"
CL3100, CL3300 CL3500, CL3800 Series	Cylindrical	.509"	Pyramid Series	All	.496"
CL3400 & CL3600 Series*	Cylindrical	.509"			
CL3700 Series*	Cylindrical	.509"	Mortise Cylinders		.552"
CL3900 Series*	Cylindrical	.509"	Rim Cylinders		.552"
CK4200* CL3500, CL3800 Series	Cylindrical	.552"	Interchangeable Cores		.509"
CK4300 & CK4400 Series	Cylindrical	.509"	Padlocks		.509"
CK4700 Series	Cylindrical	.509"	Competitors' Key-in-Lever/Knob		.552"
UT5200 Series	Unit Lock	.552"	Security, all cylinders		.552"
DL2200 Series	Deadlock	.509"	Exit Devices, except IC		.552"
DL3000 Series	Deadlock	.552"	A6/N6/PR6 trim and obsolete		.509"
DL3200 Series	Deadlock	.509"	NS/AS trim		.509"

Cylinder Options

Description	Quick Code
IC 6-pin with temporary construction core (Red) IC 6-pin with temporary construction core (Blue) IC 6-pin with temporary construction core (Green)	CT6R CT6B CT6G
IC 6-pin with disposable temporary core	CT6D
IC 6-pin with SFIC disposable temporary core[1] (Mortise)	CT6SD[1]
IC 6-pin with small format temporary disposable core	CTSD
IC 7-pin with temporary construction core (Red) IC 7-pin with temporary construction core (Blue) IC 7-pin with temporary construction core (Green)	CT7R CT7B CT7G
IC 7-pin with disposable temporary core	CT7D
IC 7-pin with SFIC disposable temporary core[1] (Mortise)	CT7SD[1]
Pyramid with temporary construction core	CTP
Pyramid with disposable temporary core	CTPD
SFIC 6-pin with less core (rim and mortise)	CLS6
SFIC 7-pin with less core (rim and mortise)	CLS7
Bump-resistant cylinders	BRP

Keying Options

Description	Quick Code
0-bitted with 2 blank keys (except HS, CHS)	(standard)[5]
Keyed random	KR
Keyed alike	KA
Keyed to specific bitting (specify bitting)	KS
Uncombinated (Keys not provided)	UC[4]
Construction master keyed	CMK (Not available with interchangeable core)

Key Quantity Options

2 change keys per cylinder[2]	(standard)[2]
Other than 2 change keys per cylinder (i.e. customer requests 6 change keys per cylinder)	KY# (i.e., KY6)
No change keys	KY0
Master keys (if required)[3]	Specify Qty.
Control keys (if required)[3]	Specify Qty.
CMK keys (if required)[3]	Specify Qty.
CMK control keys (if required)[3]	Specify Qty.
SKD control keys (if required)[3]	Specify Qty.
Special purpose keys, i.e., ENG (if required)[3]	Specify Qty.

[1]Corbin Russwin does not furnish permanent SFIC cores
[2]Keys shipped separately for security and Pyramid master keyed cylinders
[3]Order as cut keys
[4]Pyramid High Security and Master Ring cylinder not available UC
[5]Pyramid cylinders are not available 0-bitted
*Discontinued

Collar Options - Mortise and Rim Cylinders Only

Description	Quick Code
Collar packet (549F52 + 253F97)	428F66
Rim collar, flush mount	255F53
Rim collar, flush mount (master ring)	255F54
Rim collar, surface mount (standard for rim cylinders)	422F88
Solid collar - .030	447F41
Solid collar - .031 (master ring)	447F44
Solid collar - .090 (VR trim only)	700F53
Solid collar - .094	261F54
Solid collar - .094 (master ring)	261F55
Solid collar - .156	270F15
Solid collar - .156	598F89
Solid collar - .172 (tapered security collar)	416F39
Solid collar - .172	447F42
Solid collar - .172 (master ring- standard for MR 118 cylinders)	447F45
Solid collar - .221	610F01
Solid collar - .289	610F02
Solid collar - .312	303F25
Solid collar - .350	654F07
Solid collar - .375	447F43
Solid collar - .375 (master ring)	447F46
Solid collar - .500	609F36
Solid collar - .510	134F05
Solid collar - .550	654F08
Solid collar - .635	267F97
Solid collar - .650	609F37
Solid collar - .749	399F47
Solid collar - .850	609F38
Spacer for flexible head cylinders - .125	370F29
Spacer for flexible head cylinders - .250	370F31
Spacer for flexible head cylinders - .315	252F82
Spacer for flexible head master ring cylinders - .094	370F33
Spacer for flexible head master ring cylinders - .281	370F35
Spacer for flexible head master ring cylinders (tapered) - .090	366F70
Spring collar - .150 (standard for 118 cylinders)	253F97
Spring collar - .219	549F52
Spring collar - .350 (standard for 114 cylinders)	605F43

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45078 6/19

Quick Codes/How to Order

Key Systems

Stamping Options*

Description	Quick Code
Keys stamped with bitting number	(standard)
No keyset or bitting stamping on keys	VKC0
Keys only stamped with keyset (standard for HS, CHS, PS, PHS, PCS, PCHS)	VKC1
Keys stamped with keyset, cylinders stamped with keyset on face of plug - not available for HS, CHS, PS, PHS, PCS, PCHS	VKC2
Keys stamped with bitting, cylinders stamped with keyset on face of plug - not available for HS, CHS, PS, PHS, PCS, PCHS	VKC3
Keys stamped with keyset, cylinders stamped with keyset in concealed location	CKC2
Keys stamped with bitting, cylinders stamped with keyset in concealed location- not available for HS, CHS, PS, PHS, PCS, PCHS	CKC3
Less Trade Mark (No Corbin Russwin logo on cylinders)	LTM

*see page 6 for detailed descriptions

KeyBow Options

Description	Quick Code
Corbin Russwin logo	(standard)
Plain both sides	KB11
Do Not Duplicate	KB12
US Property Do Not Duplicate	KB13
Protected Do Not Duplicate (only for protected keyways)	KB19
Restricted Do Not Duplicate (only for restricted keyways)	KB19
Pyramid (only for Pyramid keys)	KB28
Large bow, plain both sides	KB51
Large bow, Do Not Duplicate	KB52
Large bow, US Property Do Not Duplicate	KB53
Large bow, protected Do Not Duplicate (only for protected keyways)	KB19
Large bow, Restricted Do Not Duplicate (only for restricted keyways)	KB59
Security bow Corbin Russwin logo (only for security keys)	KB90
Security bow plain both sides (only for security keys)	KB91
Security bow, Do Not Duplicate (only for security keys)	KB92
Security bow, US Property Do Not Duplicate (only for security keys)	KB93
Security bow, protected Do Not Duplicate (only for security keys, protected keyways)	KB99
Security bow, Restricted Do Not Duplicate (only for security, restricted keyways)	KB99

How to Order Cylinders

Mortise Separately

Keyset	Cylinder	Length	Cam	Pins	Keyway	Finish
AA1	CR1000	118	A01	7	L4	626

Rim Separately

Keyset	Cylinder	Length	Pins	Keyway	Finish
AA1	CR3000	058	7	L4	626

Key-in-Lever/Knob Separately

Keyset	Cylinder	Lockset Series	Pins	Keyway	Finish
AA1	CR2000	033	7	L4	626

IC Cores Separately

Keyset	Cylinder	Pins	Keyway	Finish
AA1	CR8000	7	L4	626

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Service Equipment

Pin Kits

Key Systems

Single System Pin Kits

For the end user with one Corbin Russwin System 70 keying system to maintain. Each kit has all pins necessary to combinate interchangeable core and master ring cylinders, as well as conventional cylinders (both .509" and .552" plug diameters). Furnished in a handsomely finished hardwood case with combinating instructions on the inside of the lid. Includes key gauge, tweezers and both diameter plug followers.

PK-70-ZDH

For pinning all types of cylinders (except security) with Z Class keyways: 59, D, H and L Series, plus 60, 70 and restricted/ protected keyways using System 70 depths (1-6).

PK-70-X

For pinning all types of cylinders with X Class keyways: 27, 57, 67 and 77 Series, plus AR, BR, BL, 97 and 99 using System 70 depths (1-6).

PK-70-N

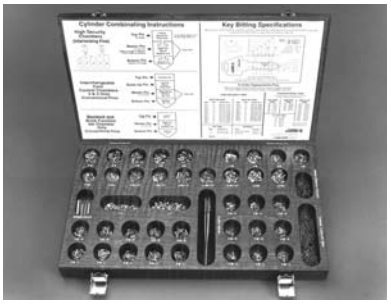
For pinning all types of cylinders with N Class keyways: N1-N28 using System 70 depths (1-6).



PK-70-ZDH
PK-70-X
PK-70-N

Security Pin Kit
PK-70-HS

For security cylinders, including interchangeable core, Brink and blockout function. Furnished in a handsomely finished hardwood case with combinating instructions on the inside of the lid. Includes tweezers.

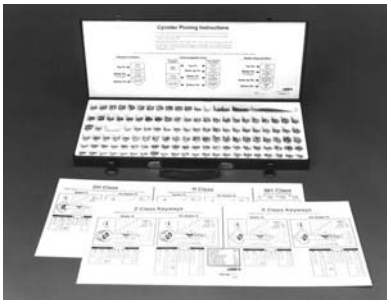


PK-70-HS

Deluxe Pin Kit
PK-1070

Ideal for locksmiths and distributor service personnel who must service a variety of Corbin Russwin keying systems. Also for end users with Pre-System 70 keying systems.

Contains all pins required to combinate standard, IC and master ring cylinders. Accommodates System 70 and non-System 70 for both plug diameters and all key classes. Furnished in a reinforced steel case with combinating instructions on the inside of the lid. A separate, removable, two-sided chart contains pin lengths for all modern key classes. Includes tweezers and both diameter plug followers.



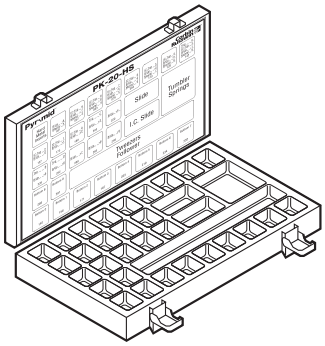
PK-1070

PK-20-HS

Each pin kit has all the pins necessary to combinate standard and interchangeable core Pyramid High Security cylinders. Includes tweezers, plug follower, key gauge and combinating instructions.

PK-20-PS

Each pin kit has all the pins necessary to combinate standard and interchangeable core Pyramid Security Cylinders. Includes tweezers, plug follower, key gauge and combinating instructions.



PK-20-HS

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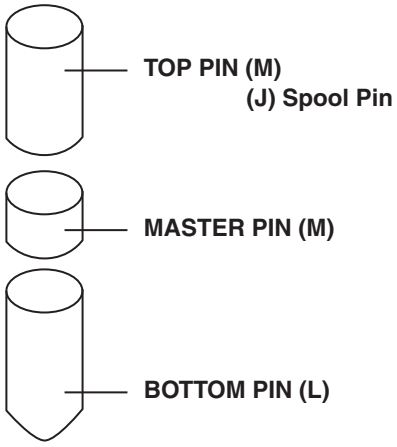
Replacement Pin for Kits

For a complete listing of all Cylinder Components, refer to Cylinder/Owner's Manuals.

How to Order Conventional Pins

Suffix 3-digit length in thousandths of an inch to base number.
Example: .160" bottom pin is 553F484-160.

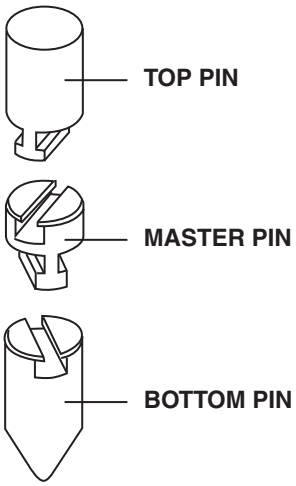
Description		Number
Specify quantity of vials (100 pins/vial):		
	Bottom Pins (L Series)	553F48-4 + length
	Master/Top/Build-up Pins	553F49-2 + length
	(M Series)	
	Spool Top Pins (J Series)	553F50-2 + length
Specify quantity of vials (1500 balls/vial):		
	Construction Balls	546F97-8
• Pins are packaged in a secure, spill-proof plastic vial with hinged top.		
• 12 vials per master carton.		



How to Order Security Pins

Replace the "x" in the part number with the pin's skew number.
Bottom pins use skews **L** (1) and **R** (2).
Master pins use skews **L** (1), **R** (2) and **S** (3).
Example: #2 master pin with S skew is 407T334-097.

Description		Number
Specify quantity of pins (must be multiple of 20):		
	Bottom Pin, #2	407T4x4-242
	Bottom Pin, #3	407T4x4-270
	Bottom Pin, #4	407T4x4-298
	Bottom Pin, #5	407T4x4-326
	Bottom Pin, #6	407T4x4-354
	Master Pin, #2	407T3x4-097
	Master Pin, #3	407T3x4-125
	Master Pin, #4	407T3x4-153
	Top Pin #1 (long)	407T43-4193
	Top Pin #2 (short)	407T43-4158



How to Order Pyramid Security Pins

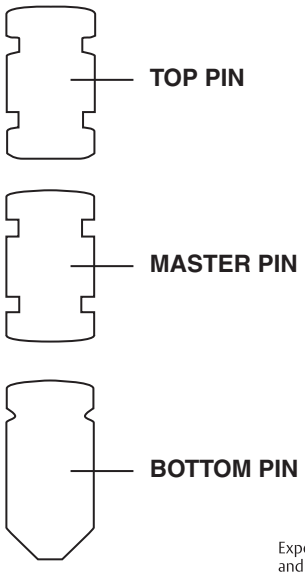
Suffix 3-digit length in thousandths of an inch to base number.

Description		Number
Specify quantity of vials (100 pins/vial):		
	Bottom Pins (Nickel Silver)	695F244 + length
	Master/Build-up Pins/Top	695F252 + length
	(Brass)	

How to Order Pyramid High Security Pins

Suffix 3-digit length in thousandths of an inch to base number.

Description		Number
Specify quantity of vials (100 pins/vial):		
	Bottom Pins (Stainless Steel)	695F247 + length
	Master/Build-up Pins/Top	695F257 + length
	(Stainless Steel)	



How to Order Pyramid Bump Resistant Pins

Description		Number
Specify quantity of vials (100 pins/vial):		
	Size A	628F107142
	Size C	628F107236

How to Order Pyramid P6 Side Pins

Description		Number
Specify quantity of vials (20 pins/vial):		
	P6 Side Pin	630F494

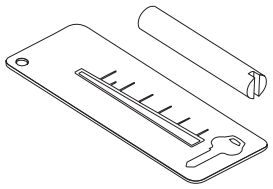
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Service Equipment

Replacement Pin for Kits

Key Systems

Cylinder Tool Kit No. CT-93



Kit No. CT-93 contains the following items (also available separately):

CT-4	Follower for 509" diameter plugs
CT-11	Key gauge for Corbin® X and Z Class System 70 and pre-System 70
CT-19	Tweezers
CT-21	Key gauge for Russwin® N Class System 70 and pre-System 70
CT-22	Key gauge for Russwin DH Class System 70 and pre-System 70
CT-23	Key gauge for Russwin 981 and 852 Classes
CT-54	Follower for .552" diameter plugs

Pyramid Tools

CT-20	Pyramid plug follower (.495" diameter)
CT-20K	Key Gauge for Pyramid

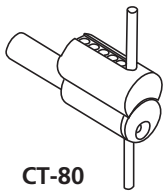
Other Tools

CT-5	Pin Chamber Reamer
CT-7	Pin Chamber Burring Tool
CT-10	Loading tool for CK4400 Series and IC cylinder shells

Cylinder Installation Wrench No. CT-80

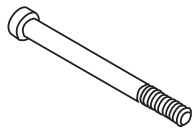
CT-80 is for interchangeable core mortise cylinders. It is used to:

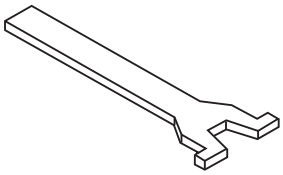
- Install and remove Corbin Russwin interchangeable core mortise cylinder housing without marring cylinder scalp finish.
- Test cam operation before fastening the mortise cylinder set screw.
- Align the pins of the throw member before installing the core.

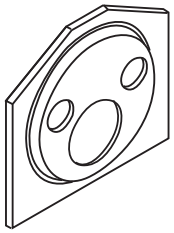


CT-80

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Screws	
438F41 -8	Cam screw, mortise cylinder and RFC padlocks
438F42-8	Cam screw, IC mortise cylinder
488F08-8	Mortise cylinder set screw packet (1 screw), standard cylinder size
488F10-8	Mortise cylinder set screw packet (1 screw), master ring
021F68-8	Rim cylinder mounting screw, 2-9/32" long for 1-3/8" - 2-1/2" doors
021F71-8	Rim cylinder mounting screw, 3-1/8" long for 2-3/4" - 3-1/2" doors
Disposable Core 10 Packs	
627F00-9	Corbin Russwin LFIC
707F21-9	Corbin Russwin SFIC
Tailpieces	
655F00-8	5/8" horizontal for rim cylinder CR3000-058
655F01-8	5/8" horizontal for IC rim cylinder CR3080-058
582F29-8	1-1/4" horizontal for IC rim cylinder CR3080-114
490F55-8	1-3/8" horizontal for rim cylinder CR3000-138
253F85-8	1-7/8" horizontal for IC rim cylinder CR3080-178
483F09-8	1-7/8" vertical for IC rim cylinder CR3080-178V
253F76-8	2" horizontal for rim cylinder CR3000-200
413F48-8	2" vertical for rim cylinder CR3000-200V
284F13-8	3-1/8" horizontal for IC rim cylinder CR3080-318
253F77-8	3-1/2" horizontal for rim cylinder CR3000-312
413F49-8	3-1/2" vertical for rim cylinder CR3000-312V
778F778	For CR2000-031 & CR2000-031H cylinders
778F768	For CR2000-031-7 & CR2000-031H-7 cylinders
622F30-8	For CR2000-033 & CR2000-034-7 cylinders
622F29-8	For CR2000-034-6 cylinder
682F29-8	For CR2000-037 & CR2000-033-7 cylinders
596F89-8	For CR2000-038 cylinder
489F02-8	For CR2000-051 cylinder
680F60-8	For CR2000-039 cylinder
681F60-8	ForCR 2000-039L cylinder
Rim Cylinder Back Plates	
253F75-8	For standard and Pyramid rim cylinders
135F10-8	For master ring rim cylinders
Retainers	
173F79-8	.020" thick for CR2001 -051 cylinder
368F91-8	.030" thick for rim, CR2200, CR2210 & CR3000 Series cylinders
488F92-8	.032" thick for CK4200 and 1400/4300 Series locks
333F99-7	For CK4400 Series Locks, 4300 Series Cylinders, 8000 cores and Pyramid
655F41-5	For CR3080 IC rim cylinder
680F64-5	Threaded cap for CR2000-033, 034, 037, 039, Security & Pyramid KIL cylinders
585F31-2	Cap pin for above
Springs (Ordered in multiples of 100)	
585F32-7	For CR2000-033, 034, 037, 039, Security & Pyramid KIL cap pin)
792F997	IC Conventional & Security
603F20-7	Fixed Core Conventional & Security
026F75-7	Hotel Mortise blocking pin
697F50-7	All Pyramid Cylinders
314F98-7	For CR2001-034 indicator
Spring Covers	
217F42-2	5-pin brass (Rim/Mortise/IC)
217F44-2	6-pin brass (Rim/Mortise/IC/Pyramid IC)
314F88-7	6-pin stainless (2000 Series Knob/Lever)
217F43-2	7-pin brass (Rim/Mortise/IC/Pyramid Rim & Mortise)
585F39-7	7-pin stainless (2000 Series Lever/Pyramid KIL/KIK)
411F092	Pyramid KIL/KIK for other manufacturers products (2200 Series)

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Corbin Russwin
ASSA ABLOY

Policies and Procedures

Key Systems

Procedures

Corbin Russwin keying systems utilize the Standard Key Coding System illustrated on the following pages. To ensure prompt and accurate processing, purchase orders should be written using these key symbols to describe each master keyed item.
In addition to the key symbol, Corbin Russwin requires the following information on the keying system for ALL orders:

- End User (job) Name
- City, State, Zip Code
- Special key bows or key stamping
- VKC/CKC requirements (see page 6)

New Systems or New Branches of Existing Systems

Indicate system expansion in terms of estimated numbers of key combinations, not doors. All of this information is essential at the inception of a keying system in order for Corbin Russwin to ensure accommodation of the end user's present and future needs. Advise as follows:

- How many levels of keying?
- Plan for a construction master key?
- Any selective master keys, such as ENG?
- How many changes for each master?
- How many masters for each grand master? If mixing Corbin Russwin cylinder types, indicate clearly where each type of cylinder will be used within the expansion parameters:
  - Which masters or grands have security cylinders under them?
  - Which have interchangeable cores?
  - Which have master ring?
  - Which have conventional cylinders?

Existing System Add-Ons

For prompt processing, orders must include a positive identification for the keying system in addition to the job name, city, state and zip code. Any ONE of the following is positive ID:

- Registry number stamped on any existing factory master key
- Previous factory order number together with the year of that order

Letters of Authorization

No letter is needed when the items are to be drop shipped directly to the end user. In all other cases, to preserve the security of the end user's keying system, Corbin Russwin requires a letter of authorization on the end user's letterhead to obtain the following:

- Bitting lists
- Security blanks and cut keys
- Master level cut keys
- Protected key blanks, cylinders and plugs
- Pyramid key blanks, cylinders, and plugs

The letter of authorization can be brief but should include a specific description of what is being authorized for release, and a positive key system identification.

XYZ Corporation

1 Main St.
Anytown, USA 00001
(203) 555-5555

(Current Date)

Corbin Russwin Architectural Hardware
Key Systems Dept.

We authorize Acme Distributors to obtain a copy of the bitting list for our keying system GGMX5555. We also authorize them to order the quantities of master keys on our attached purchase order 1234AB.

Sincerely,

Gordon Morris
Security Director

Pyramid Key Discard Policy

It is essential that cut keys and key blank distribution policies and procedures be maintained and enforced for all Pyramid products.

Authorized Pyramid Distributors

Pyramid is a system-based product. An authorized distributor can stock Pyramid upon specific written authorization from the primary systems administrator of the facility. Authorized distributors have the ability to receive product, key product, cut keys and distribute the product to the facility.

Authorized Pyramid distributors who carry inventory for a specific system must provide valid receipts and disbursements of all Pyramid products, specifically key blanks/cut keys. All Pyramid key blanks to be maintained in the possession of an authorized Pyramid distributor must be accounted for. Any defective, incorrectly cut or damaged Pyramid key blanks must be retained in the distributor's possession to be reviewed and collected by a representative of ASSA ABLOY Door Security Solutions.

Pyramid Primary System Administrators

Any defective, incorrectly cut or damaged Pyramid key blank must be destroyed.

Pyramid Key Warranty

Pyramid key blanks are covered by a 5-year warranty as outlined in the current list price book.

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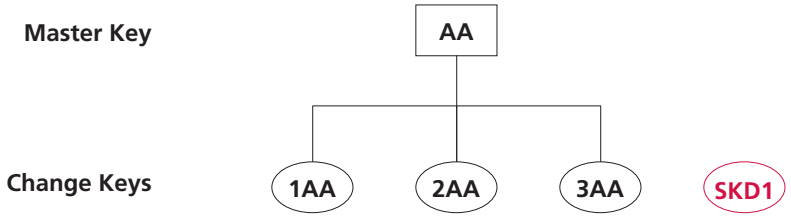
How to Establish Key Systems

Key Systems

To Specify a Simple Master Key System (2 Levels of Keying)

The master key symbol consists of TWO letters, such as **AA**. The change key numbers are added to the master key letters. The numbers come FIRST: **1AA**, **2AA**, **3AA**, etc.

When locks are required which are not operated by the master key or other change keys in the system, they are referred to as "single keyed" and given symbols **SKD1**, **SKD2**, etc. When all higher levels of master keys are to be disallowed, suffix (**NMK**) to the symbol of the key which is to operate. This means "not master keyed." Cylinder 1AA(**NMK**) is operated by **1AA** only. The **AA** master is blocked from operation.



To Specify a Grand Master Key System (3 Levels of Keying)

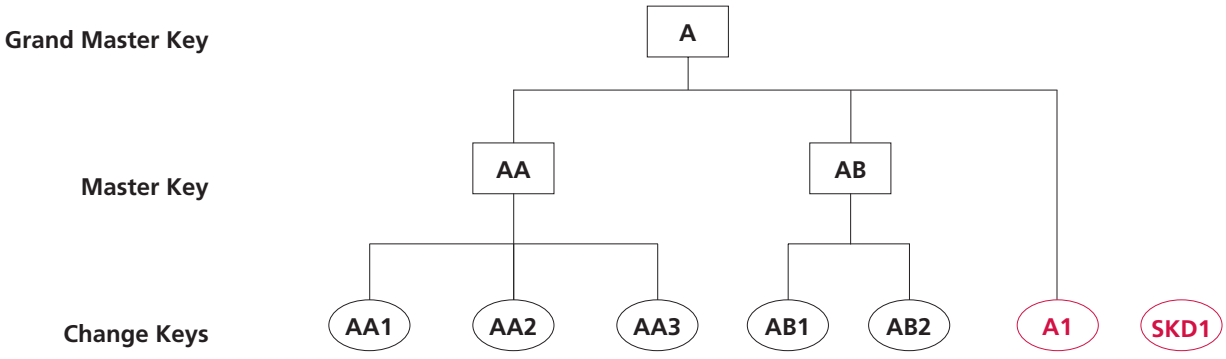
The grand master is assigned any ONE letter, such as A. The master keys under this grand are assigned TWO letters, the first of which must be the same as the grand: **AA**, **AB**, **AC**, etc. are all masters under grand **A**. Masters **BA**, **BB**, **BC**, etc., are all under grand **B**. Caution: Do not use the letters **I**, **O** or **Q** because of possible confusion with the numerals 1 and 0, respectively. Also do not use the letter **X** due to confusion with cross keying. Change key numbers come after the letters.

For master keys beyond **AZ**, insert a numeral between the letters to designate which pass through the alphabet they represent. **A2A** through **A2Z** represents the second pass of masters under grand **A**. **A3A** through **A3Z** would be the third. Change keys under these masters have the numbers suffixed in the usual way: **A2A1**, **A2A50**, etc.

If the cylinder is to be operated by its change key and nothing lower than the single lettered GMK, the change number is added to the GMK symbol. This is illustrated by the example **A1** in the schematic shown.

When locks are required which are not operated by ANY master keys or other change keys in the system, they are referred to as "single keyed" and given symbols **SKD1**, **SKD2**, etc.

When all higher levels of master keys are to be disallowed, suffix (**NMK**) to the symbol of the key which is to operate. This means "not master keyed" and can be applied to any level in the system. Cylinder **AA1** (**NMK**) is operated by **AA1** only. The **AA** master and **A** grand are blocked from operation. Cylinder **AA** (**NMK**) would be operated by the **AA** master only. Grand **A** does not operate.



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How to Establish Key Systems

4-Level Systems

Key Systems

To Specify a Great Grand Master Key System (4 Levels of Keying)

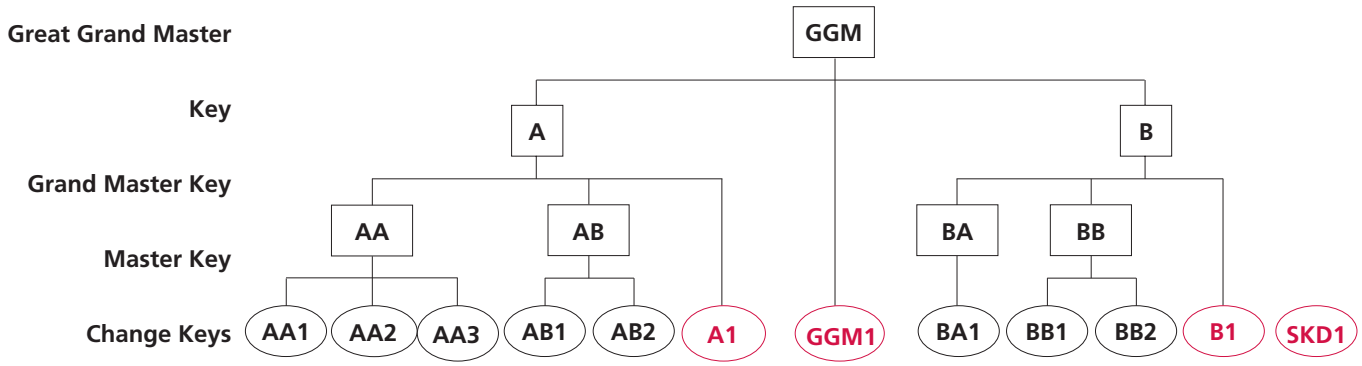
The great grand master key is assigned the symbol **GGM**. The rest of the symbols are the same as those in 3-level systems: The GMKs are assigned single letters, e.g., **A**, **B**, **C**, **D**, etc. Caution: Never use **X** for a grand master key due to the confusion which will result with cross keying symbols presented on page 52.

Masters under each GMK are assigned two letters, the first of which is the same as its respective grand master key. Change key numbers come *after* the letters. Changes under the grand (**A1**, **B1**, etc.) and masters beyond **AZ** are handled exactly as in the 3-level system already described.

Changes directly under a grand are also handled as illustrated in the 3-level system. For changes directly under the **GGM** with no intermediate level masters, the change number is added directly to **GGM** as shown by the example **GGM1** in the schematic.

When locks are required which are not operated by ANY master keys or other change keys in the system, they are referred to as "single keyed" and given symbols **SKD1**, SKD2, etc.

When all higher levels of master keys are to be disallowed, suffix (**NMK**) to the symbol of the key which is to operate. This means "not master keyed" and can be applied to any level in the system. Cylinder **AA1** (**NMK**) is operated by **AA1** only. The **AA** master, **A** grand and **GGM** are all blocked from operation. Cylinder **AA** (**NMK**) is operated by the **AA** master only. Grand **A** and the **GGM** do not operate. Cylinder **A** (**NMK**) would be operated by the **A** grand only, without the **GGM**.



Selective Master Keys

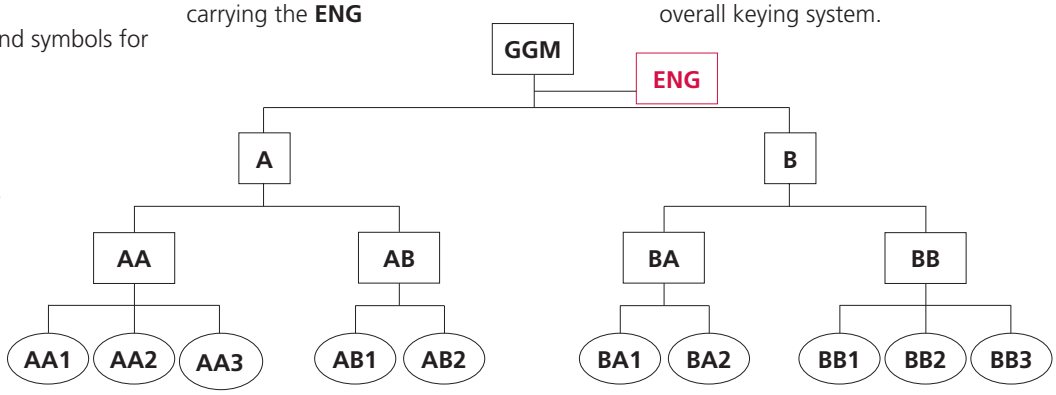
It is often useful in large keying systems to issue a high level master key to maintenance personnel which allows access across all master and grand master key boundaries of a keying system. A selective master key is usually very close to the system's top master key, both physically and through its realm of access. Nevertheless, it must be blocked from operating in many areas.

The most common names and symbols for selective master keys are:

ENG	Engineer's key
ATT	Attendant's key
JAN	Janitor's key
HKP	Housekeeper's key
GRD	Guard's key
MAIN	Maintenance

To designate that a lock be operated by a selective master key, suffix the symbol in parentheses to the standard symbol. Example: **AA1** (**ENG**). This must be added *every time* the selective key is to operate and left off whenever the selective key is NOT to operate. For instance, you may lay out a system in which key **AA1** is to operate two different offices. Inside one of them is an electrical cabinet which must be accessible to maintenance personnel carrying the **ENG** key. That lock must be specified as **AA1** (**ENG**) while the lock for the other office must be specified as **AA1**. Change keys directly under the selective key, such as **ENG1**, are operated by all higher level keys, such as **GGM**.

I.ike cross keying, a selective master key is a convenience feature which decreases the security of the cylinders it operates and limits the expansion and flexibility of the overall keying system.



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How to Establish Key Systems

Key Systems

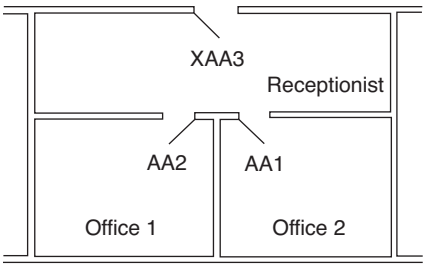
Convenience May Reduce Cylinder Security and Hinder System Expansion

Whenever two or more different keys such as **AA1** and **AA2** are both required to operate the same cylinder, the cylinder's security is reduced. This is called *cross keying*. When the cross keying occurs under all the same higher level keys, such as **AA1** and **AA2**, it is known as *controlled* cross keying. When it combines keys under different higher level keys, such as **AA1** and **AB1**, it is known as *uncontrolled* cross keying.

In addition to reducing the security of the cylinder, cross keying usually imposes limits on the flexibility and expansion of the overall keying system. This is especially true of uncontrolled cross keying. For these reasons, it is strongly recommended to allow personnel to carry more than one key. Cross keying should be discouraged whenever possible. However, when cross keying is required, it is specified as follows, and should be summarized at the beginning of each order.

Case #1

Cylinder requires its own change key. The illustration depicts part of a small medical building where two doctors share a common receptionist. The receptionist gets the **AA3** key. Each doctor carries a key which operates only one office, but is also cross keyed into the entrance from the corridor.

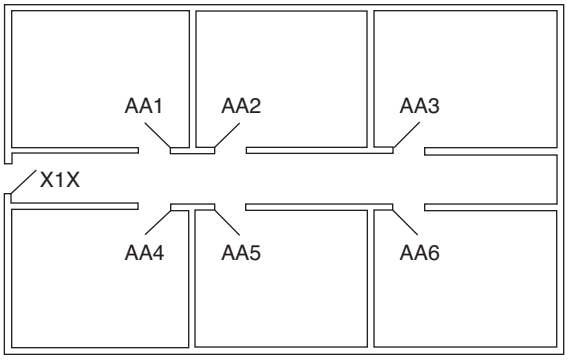


XAA3 operated by AA1, AA2, AA and A.

Determine the symbol of the change key (example: **AA3**). Then prefix the letter X (example: **XAA3**). Then list all keys which are to operate in an "*operated by . . .*" phrase. Example: "**XAA3** operated by **AA1**, **AA2**, **AA** and **A**". Note that **X** is a *cylinder* specification only. The keys for cylinder **XAA3** are designated **AA3**.

Case #2

Cylinder does NOT require its own change key. This illustration depicts a section of a floor in a dormitory. Each student's bedroom key operates the hall door lock. There is no need to construct a key which operates only the hall door.



X1X operated by AA1 through AA6, AA and A.

In this case, place an **X** at both the beginning and end of the symbol and a number between them. Example: **X1X**, **X2X**, etc. Again, *always include the "operated by . . ." phrase* with a complete listing of key symbols to operate.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

Corbin Russwin

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For additional information, contact your ASSA ABLOY Door Security Solutions sales consultant or visit **www.corbinrusswin.com.**

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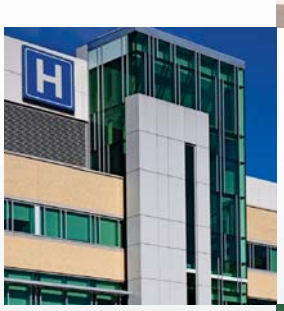


Corbin Russwin®

ASSA ABLOY









Key Systems

Product Catalog

Experience a safer
and more open world

Corbin Russwin
ASSA ABLOY

Applications

Key Systems

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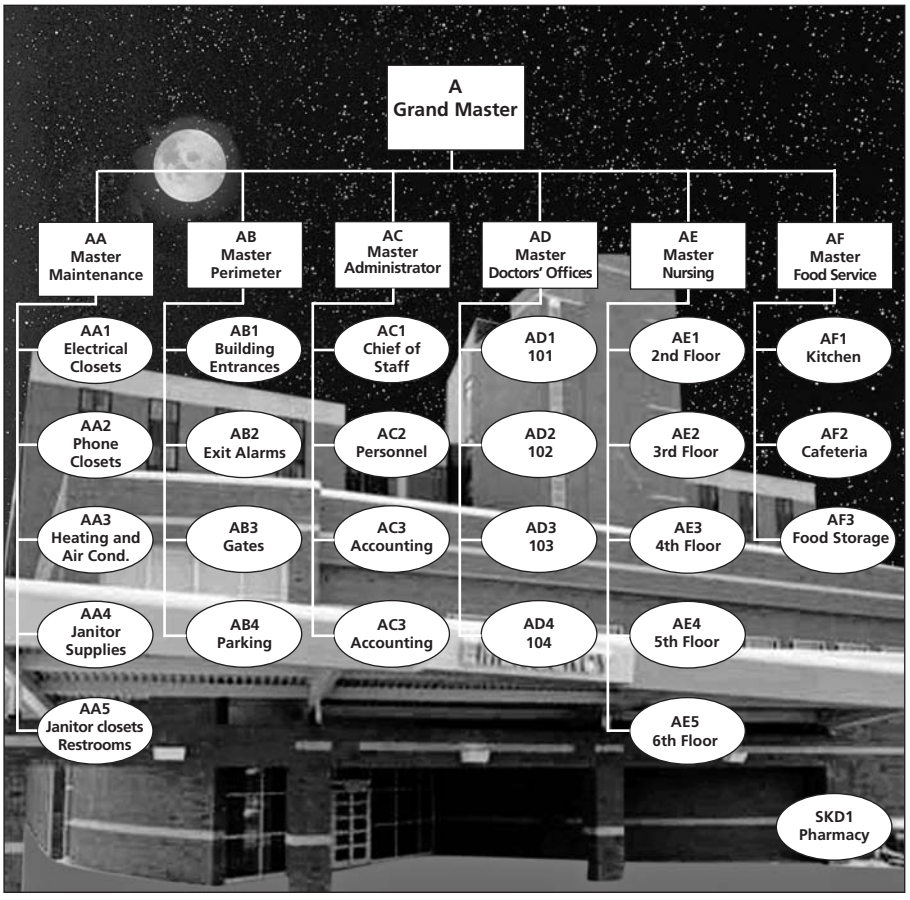
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Applications

To provide the desired level of security, even the finest architectural hardware requires a properly designed and maintained master key system.

The keying system is the "software" of a building's security. As shown in the schematic below, it turns each hardware product into an access control device.

The choice of cylinder mechanism must be planned together with the keying system. The variety of mechanisms available from Corbin Russwin offers the right balance of security, convenience and expansion capability for every job.



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Step 1
Determine the type of locking system

- Conventional "open & restricted keyways"
  - Not contract controlled
- Patented locking system
  - A notice of acceptance will be required between Corbin Russwin and Owner
  - Factory-based system
  - Key blank distribution restrictions are in place
- Security (secondary locking mechanisms, example; Pyramid Security)
- High security (same as Security plus UL437 – example; Pyramid High Security)
- Standalone access control locking devices (at door wiring, example; Access 800)
  - To facilitate multiple users through common doors
- Integrated locking systems (hard wired into access control systems)

Step 2
Establish the level of the master key system. The higher the level the less secure.

- Level two – "Simple Master Key system"
  - Change key, and master key only
- Level three – "Grand Master Key system"
  - Change key, master key, and Grand Master Key
- Level four – "Great Grand Master Key system"
  - Change key, master key, Grand Master Key, and Great Grand Master Key
- Levels higher than four are not recommended for security reasons
  - With more levels, additional master pins in each chamber of the cylinder would be required, and with the additional master pins the possibility of unauthorized key interchanges could occur

See pages 50-52 on How to Establish Key Systems.

Step 3
Establish key hierarchy, key issuing policies and procedures, and administrative disciplines.

- Who, if anyone is authorized to carry the top master key?
- Who carries master keys and change keys?
  - Does every employee receive a key?
- What disciplinary action(s) is being put in place for violations?
  - Fines or Deposits
    - > Lost keys
    - > Keys not returned
  - Will there be a key receipt required?
    - > Where will that be kept?
- Who is the systems administrator?
  - Authorized to purchase
  - Responsible for Key Control Administration
- Who is the Key Control Administrator?
  - Maintain key control software & all transactions

Step 4
System Layout

- Helpful Hints
  - KISS "Keep It Simple System"
    - > Do not use the term sub-master (not unless it's level 6 and higher)
- Lowest level possible
- Key to the building security objectives NOT to the people
  - Determine if the system is to be designed for Security or Convenience
- No cross keying, especially with patented locking systems and higher
- Key alike within master key groups as much as possible
  - Avoid top-heavy systems (example; few change keys used under masters)
- Has the right function of lockset been selected?
  - Storeroom vs. Classroom vs. Entry
  - Single cylinder vs. double cylinder
    - > If double cylinder, how is the inside cylinder to be keyed?
- Provide adequate quantity of keys
  - Top Level Master keys: Quantity should be limited to absolute minimum required.
  - Master keys: Quantity should also be limited to only amount required.
  - Change keys per key set and/or per keyed alike sets
  - Special operating keys
    - > Control keys: A Control key is as important as a top level Master key in a removable core system and quantities should therefore be limited to minimum required.

Separate the internal departments into sectors, example are:

- Perimeter
  - Including all exterior doors, roof surfaces, gates and fences, and adjacent buildings.
- Operations
  - Sensitive areas crucial to daily operations, such as plant engineering, security and mechanical operations.
- Management
  - Areas that are vital for daily business activities, primarily human resources, administration, executive offices, IT, sales, and accounting.
- Services
  - Areas that provide employees and visitors with services, such as restrooms, medical treatment areas, housekeeping, food service, retail (unless it's a leased outside source).
- Unique Applications
  - Door openings requiring access control hardware where key override is required, or any other special application which would be unique.
- Tenants
  - Any tenants that are not part of the building.

Step 5
Servicing & Maintenance

- In-house or outside locksmith
  - Ensure proper training
  - Establish key cutting log
  - Establish service request procedures
- Service equipment
  - Key kit
  - Code cutter that complies with systems depths & spacing specifications
  - Locksmithing tools, fixtures & accessories
- Establish stock levels & requirements to avoid misuse of multi-section key blanks
  - Additional cylinders ready for emergencies
  - Additional key blanks (of all keyways)
- Who or where are the key blanks going to be kept?
- Who is authorized to cut keys?
  - What form of work order will be used to authorize cutting of keys?
  - Who will sign the work order?
  - What records will be kept & where?
- What type of reports will be required?
  - Overdue keys
  - Miss-cut keys
    - > Who receives the reports?
- Once a key has been cut, what instructions are given to the recipient?
  - Key receipt recommended
- Ensure that all transactions are recorded by the Key Control Administrator
- ENFORCEMENT FROM THE START! SUPPORT AND BACK THOSE WHO ARE RESPONSIBLE FOR MAINTAINING AND SERVICING THE SYSTEM.

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Corbin Russwin
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Key Wizard®

Key Systems

Key Management Software

Advantages

A key management software program is essential for any type of organization. Keeping track of the key holders in a master key system is critical for maintaining key control and ensuring the security and integrity of the system. *Key Wizard* by Corbin Russwin was designed to provide a user-friendly tool for facility end users to track detailed information concerning their keying system. It offers improvements over existing key management software by utilizing clutter-free and easily navigated screens. This system uses a Microsoft® Outlook® type of layout.

Key control for a facility is maintained by adopting a complete system of policies, procedures, record keeping and specialized products. A comprehensive key management software program is one aspect of a complete key control system.

Key Wizard by Corbin Russwin provides the facility with accurate information concerning keys, key holders, hardware locations, master key systems, overdue keys and maintenance service schedules, all of which can be customized.



Features:

- Free technical support and free software upgrades for one year
- Customized query, report and search capability
- Comprehensive hardware listings for door locations
- Displays key holder photos and signatures for verification
- Clear, easy to read screens
- Automatic reminders for maintenance, back-ups and overdue keys
- Network and standalone versions available
- Accurate key symbol sorting
- Audit trail tracks changes made to keyholders
- Printing of door number labels to ensure proper cylinder installation
- Key authorization tracking
- Customized key receipts and authorization forms
- Tracking of loaned keys and key deposits
- Stores maintenance service history records
- Can manage multiple end users and multiple key systems for most manufacturers
- Importing of key systems, keyholders and locations
- Exporting of key systems and locations
- Global key search across multiple master key systems
- Multi-level password protection
- Download of key bittings to ITL9700 Code machine
- Pinning Calculators

Computer System Requirements:

- 500 MHz processor or greater
- Windows 98, 2000, ME, NT, XP, Vista, 7, or 10
- 64 MB RAM
- 70 MB hard disk space

Demo Version

Demo versions are available. Demos can be downloaded from the Corbin Russwin website at **http://www.corbinrusswin.com or www.keywizard.net**

How to Order:

All *Key Wizard* programs are licensed specifically to each facility end user. Special online ordering procedures apply. The following information is required for each system:

End User Facility Name
End User Contact Individual
Mailing Address
Phone Number

Key Wizard Technical Support:
1-800-610-1706

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How to Order Cylinders — Numbering Scheme Overview

Key Systems

CR10	0	0	–	118	–	A01	–	6	–	L4	–	Finish x Options*

Cylinder Type	Mechanism	Function	Length	Cam	Pins	Keyway
CR10 Mortise CR11 Flex Head Mortise CR12 Concealed Shell Mortise CR13 Thumbturn Mortise CR14 Dummy Mortise CR15 Access 3 Mortise - AP CR16 Access 3 Mortise - AS CR17 Access 3 Mortise - AHS CR20 Knob/Lever CR21 Continental Knob CR22 Competitor Knob/Lever CR23 Access 3 Competitor Knob/Lever CR24 Competitor Keyways CR25 Access 3 KIK/KIL - AP CR26 Access 3 KIK/KIL - AS CR27 Access 3 KIK/KIL - AHS CR28 Access 3 Competitor KIL - AS CR29 Access 3 Competitor KIL - AHS CR30 Rim CR33 Thumbturn Rim CR35 Access 3 Rim - AP CR36 Access 3 Rim - AS CR37 Access 3 Rim - AHS CR42 Special Application CR44 DL2200, DL3200 CR45 Access 3 DL2200/ DL3200 - AP CR46 Access 3 DL2200/ DL3200 - AS CR47 Access 3 DL2200/ DL3200 - AHS CR80 IC-Core Only (LFIC) CR85 Access 3 IC Core - AP CR86 Access 3 IC Core - AS CR87 Access 3 IC Core - AHS CR2300 RFC Padlock	0 Standard 1 Security 2 Pyramid 3 IC Pyramid Cylinder (LFIC) 4 SFIC Housing 6 Master Ring 7 LFIC Housing 8 IC Complete Cylinder (LFIC) 9 IC Security Cylinder (LFIC)	0 Standard 1 Hotel 3 Classroom 6 Obsolete Crossbar ED6200 7 Pyramid Security 8 UL IC Housing Access 3	**(Mortise Cylinder) Non-IC** 100 1" (25mm) 118 1-1/8" (29 mm) 114 1-1/4" (32 mm) 138 1-3/8" (35 mm) 112 1-1/2" (38 mm) 134 1-3/4" (44mm) 200 2" (51 mm) 214 2-1/4" (57 mm) 212 2-1/2" (64 mm) 234 2-3/4" (70 mm) 300 3" (76 mm) 314 3-1/4" (83 mm) 312 3-1/2" (89 mm) 334 3-3/4" (95 mm) **(Mortise Cylinders) IC** 114 1-1/4" (32 mm) 138 1-3/8" (35 mm) 112 1-1/2" (38 mm) 134 1-3/4" (44mm) 200 2" (51 mm) 214 2-1/4" (57 mm) 212 2-1/2" (64 mm) **(Rim Tailpiece)** 058 5/8" (16 mm) 114 1-1/4" (32 mm) IC 138 1-3/8" (35 mm) 178 1-7/8" (48 mm) IC 178V 1-7/8" (48 mm) vertical IC 200 2" (51 mm) 200V 2" (51 mm) vertical 318 3-1/8" (78 mm) IC 312 3-1/2" (89 mm) 312V 3-1/2" (89 mm) vertical	A01 Cloverleaf A02 Straight A03 Adams Rite® MS A04 DL4000 Series A05 *Adams Rite* 4070 A06 Schlage® Cloverleaf A07 DL4100 Series A61 **New** MR Cloverleaf-locks made after 5/93 A62 MR Straight A63 Large MR Short A64 Large MR Long A65 **Old** MR Cloverleaf - locks made prior to 5/93 A92 Exit Grip Trim 01, 02 A93 Obsolete Deadlocks: Corbin® 610 Series and Russwin® 1403 Series	6 Standard 7	752 852 981 A DH N X Z Access 3 Pyramid

*For cylinder options, see pages 43-44

Finish	
Description	Specify
Bright Brass	605
Satin Brass	606
Bright Bronze	611
Satin Bronze	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze, Equivalent	613E
Bright Nickel Plated	618
Satin Nickel Plated	619
Flat Black Coated	622
Bright Chromium Plated	625
Satin Chromium Plated	626
Bright Stainless Steel	629
Satin Stainless Steel	630
Black Oxidized Bronze, Oil Rubbed	722
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

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Cylinder and Key Stamping

VKC and CKC

Key Systems

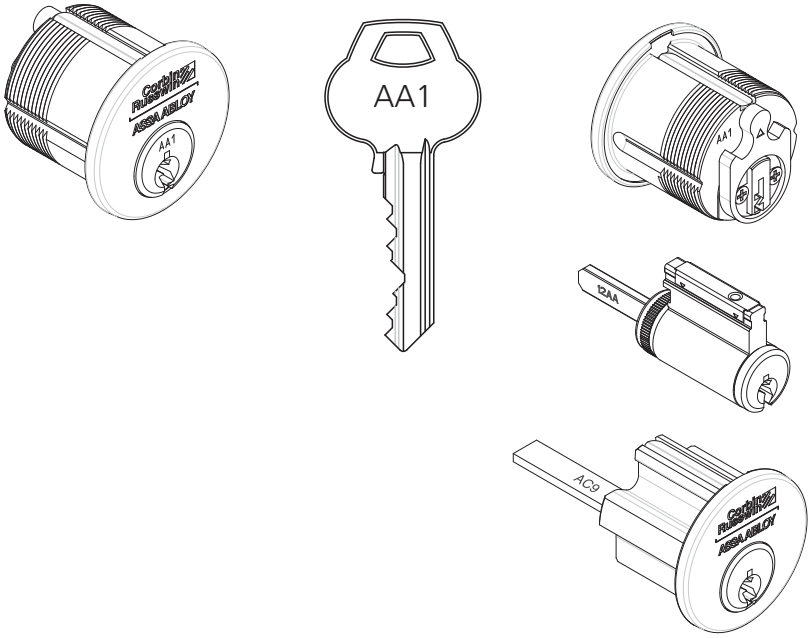
Visual and Concealed Key Control
With these options, keys and/or cylinders are stamped with their respective keyset symbol, so lock mix-ups during installation or key mix-ups afterwards are less likely to happen – and easier to straighten out if they do. Lost keys are also easier to replace. The coded information on the cylinder tells you how the cylinder is keyed, thereby eliminating trial and error.

For example, the symbol AA1 shown in the illustration identifies the lock to be operated by grand master key A, master key AA and change key AA1. Upon written authorization from the building owner to an authorized Corbin Russwin Distributor, a bitting list can be furnished for each job to translate the symbols into key bittings.

If a key is lost, it can easily be replaced by referring to the symbol on the cylinder and the bitting on the bitting list. VKC is not available on Security or Pyramid cylinders.

Visual Key Control (VKC)
For Greater Convenience
The key symbol is stamped on the plug face or other visible portion of the front of the cylinder. (VKC is available on all keys, but not available on Security, CK4400 Series Lockset or Pyramid cylinders.)

Concealed Key Control (CKC)
For Greater Security
For greater security, specify CKC on the cylinders. The key symbol is stamped in a concealed location, such as the rear of the cylinder. It is not visible to the general occupants of the building but can be accessed by authorized personnel upon removing the cylinder from the lockset.



The following codes and definitions have been established for specifying cylinder and key stamping:

Quick Code	Definition
VKC0	No keyset, registry number, keyway, nor bitting stamping on any keys. Includes master keys and change keys. (Keys will be tagged.)
VKC1	Master keys stamped with their keyset symbol and registry number. Change keys stamped with their keyset symbol and keyway.* (Standard for high security and security cylinders.)
VKC2	Master Keys stamped with their keyset symbol and registry number. Change keys stamped with their keyset symbol and keyway.* Cylinders stamped with their keyset symbol on the face of the plug. (Not available for high security or security cylinders.)
VKC3	Master Keys stamped with their registry number. Change keys stamped with their bitting, keyway* and system. Cylinders stamped with their keyset symbol on the face of the plug. (Not available for high security or security cylinders.
CKC2	Master keys stamped with their keyset symbol and registry number. Change keys stamped with their keyset symbol and keyway.* Cylinders stamped with their keyset symbol in a concealed location.
CKC3	Master keys stamped with their registry number. Change keys stamped with their bitting, keyway* and system. Cylinders stamped with their keyset symbol in a concealed location. (Not available for high security, or security cylinders.)

*Keyway will NOT be stamped on the keys for security or high security cylinders, nor restricted or protected keyways unless specifically requested as per the purchase order. (KB18, KB19, KB28 or KB90 series)

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45078 6/19



Construction Master Keying
Construction Master Keying (CMK) is a Corbin Russwin keying option that provides the extra security needed in the transition from construction of a building or complex to completion.

The construction master key operates all Corbin Russwin cylinders while the building is under construction. Upon completion of the construction phase, it can be voided without removing the cylinders from the locks, simply by turning the change key in each cylinder. Construction master keying is not available for interchangeable core. Temporary cores are available for IC jobs that require construction keying.

The permanent master and change keys for the system are always packed and shipped separately, and the order must include the names and addresses of individuals to whom the construction, permanent master and change keys should be sent.

This feature is NOT available on interchangeable core, Access 3, Pyramid, or Security series cylinders.

SKD Caution
Unless otherwise specified, SKD sets will be construction master keyed. When construction master keying is established for SKD sets, Corbin Russwin issues a separate SKD CMK key as well as an SKD CMK Control key if required.

How to Order CMK
To order locksets and/or cylinders with the construction master key feature, the quick code CMK should be indicated as an option.

Temporary Construction Cores

Lockable
A secure method of construction keying for interchangeable core hardware is the use of temporary construction cores. Corbin Russwin recommends this method of construction keying for IC jobs.

Hardware is furnished with construction cores that are keyed alike to a combination unrelated to the permanent system's master key. When the building is turned over to the owner, the permanent cores are installed and the temporary construction cores can be returned to Corbin Russwin for credit.

The IC temporary construction cores are available in red, blue and green. The color options enhance the user's ability to easily control access to different locations on a construction site, or identify different locations for specific keying applications.

How to Order Lockable
IC 6-pin with Red temporary construction core (Red), CT6R
IC 6-pin with temporary construction core (Blue), CT6B
IC 6-pin with temporary construction core (Green), CT6G
For 7-pin, use quick code, CT7
IC 7-pin with temporary construction core (Red), CT7R
IC 7-pin with temporary construction core (Blue), CT7B
IC 7-pin with temporary construction core (Green), CT7G
For Pyramid, use quick code CTP.

Examples:
ML2051 x LSA x 626 x RH x CT6
CR1080 x 114 x A01 x 626 x CTP
CL3355 x NZD x 626 x CT6B
CR1080-114-A01 x 626 x CT6G
Permanent cores must be ordered separately.

Disposable
Corbin Russwin offers two formats of disposable temporary cores. These cores do not require keys for their operation and no returns or credits are allowed.

Disposable cores are available for Corbin Russwin large format interchangeable core (LFIC) housings or for small format interchangeable core (SFIC) housings. Please note that Corbin Russwin does not provide permanently keyed SFIC cores.

How to Order Disposable
LFIC
For 6-pin, use quick code CT6D
For 7-pin, use quick code CT7D
For Pyramid, use quick code CTPD

Examples:
ML2051 x LSA x 626 x RH x CT6D
CR1080 x 114 x A01 x 626 x CTPD
Permanent cores must be ordered separately.

SFIC - Key-in-lever/knob locksets
For 6- and 7-pin, use quick code CTSD

SFIC - Mortise Locks and Exit Devices-Rim Cylinders
For 6-pin housing, use quick code CLS6
For 7-pin housing, use quick code CLS7

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Conventional Mortise

Key Systems

Mortise Cylinders

For use with all mortise locks and DL3000 Deadlocks. IC: page 15. Security: page 17. Master Ring: page 20. Pyramid: page 24.



Type	Length	Cam	Pins	Keyway	Finish
CR1000	100 1" (5 pin only)	(see page 40)	5 (1" length only)	(see pages 31-39)	605
	118 1-1/8" (standard)	A01 Cloverleaf	6 (standard)		606
	114 1-1/4"	A02 Straight	7 (available for 1-1/4"-3")		611
	138 1-3/8"	A03 Adams Rite® MS and			612
	112 1-1/2"	DL3000 Deadlock			613
	134 1-3/4"	A04 DL4000 Deadlock			622
	200 2"	A05 *Adams Rite* 4070			625
	214 2-1/4"	A06 Schlage® Cloverleaf			626
	212 1-1/2"	A07 DL4100			629
	234 2-3/4"	A62 MR Straight / CR900 Series Mullion			630
	300 3"	A92 Exit Grip Trim 01 & 02			722
	314 3-1/4"	A93 Obsolete deadlocks: Corbin® 610 Series and Russwin® 1403 Series			BSP
	312 3-1/2"				WSP
	334 3-3/4"				

Flexible Head Mortise Cylinders

Use Flexible Head mortise cylinders only with sectional trim mortise locks. The head is spring-loaded to adjust for minor variations in door thickness. See page 20 for Master Ring



Type	Length	Cam	Pins	Keyway	Finish
CR1100	100 1" (6-pin std.)	(see page 40)	6 (standard)	(see pages 31-39)	605
	118 1-1/8"	A01 Cloverleaf	7 (available for 1-1/4"- 1-1/2")		606
	114 1-1/4"	A02 Straight			611
					612
					613
					618
					619
					625
					626
					722
					BSP
					WSP

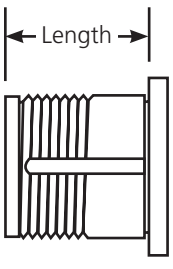
Concealed Shell Mortise Cylinders

Concealed shell cylinders are for mortise locks using "Plug Only to Show" escutcheon trim.

Type	Length	Cam	Pins	Keyway	Finish
CR1200	100 1" (6-pin std.)	(see page 40)	5 (1" length only)	(see pages 31-39)	606
	118 1-1/8"	A01 Cloverleaf	6 (standard)		626
	114 1-1/4"	A02 Straight	7 (available only for 1-1/4"- 1-1/2")		
	138 1-3/8"				
	112 1-1/2"				







Length is measured from behind the cylinder head to the end of the cam.
For cam illustrations and applications, see page 40.

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Hotel Function Cylinders

Guest Key and all normal master keys have limited rotation to retract latchbolt only. Emergency Master Key (EMK) and display key turn 360° to operate deadbolt as well.

Type	Number	Remarks
Standard	CR1001-114-A01	Cylinders are 6-pin. Display and Emergency Master Keys are cut on 7-pin blanks
Flexible Head	CR1101-118-A01	
Concealed Shell	CR1201-114-A01	

Not available with D1, D2, L1, L2, 752, 852 or A Class keyways. Order with A91 cam to accept discontinued Russwin® "G" type long EMK.
Finishes: see Standard, Flexible Head and Concealed Shell Cylinder sections, page 8.

Cylinder for Obsolete Exit Device

For inside of obsolete Corbin® 3726 1/2 and 3727 1/2 and Russwin® 736 1/2 and 737 1/2 only. Cam rotation is limited by steel pins on back of shell.

Application	Number	Remarks
Folger Adam® NS400 Series x LEK	CR1004-118-A02	Clockwise
Folger Adam NS400 Series x LEK	CR1005-118-A02	Counterclockwise

Finishes: 605, 606, 611, 612, 613, 625, 626, 629, 630, 722

1006-118-A02 (6-pin only)
Finishes: 605, 606, 611, 612, 613, 622, 625, 626, 629, 630, 722, BSP, WSP

Thumbturn Cylinders



Classroom function cylinders have a pin to block cam rotation in the locking direction. The pin may be installed on either side of the cam, depending on the hand of the door.

Suffix cam number to basic cylinder number. Example: 1300-118-A03					
Function	**Length**	**Basic Number**	**A02** (147F77)	**A03** (111F55)	**A93** (281F27)
Standard	1"	CR1300-100-	•	•	N/A
	1-1/8"	CR1300-118-	•	•	•
	1-1/4"	CR1300-114-	•	•	N/A
	1-3/8"	CR1300-138-	•	•	N/A
Classroom	1"	CR1303-100-	N/A	•	N/A
	1-1/8"	CR1303-118-	N/A	•	N/A
	1-1/4"	CR1303-114-	N/A	•	N/A
	1-3/8"	CR1303-138-	N/A	•	N/A

Finishes: 605, 606, 611, 612, 613, 622, 625, 626, 629, 630, 722, BSP, WSP
All 1300- and 1303- thumbturn cylinders are available with the M34 Option (Ergonomic Thumbturn)

Dummy Cylinders



These cylinders may be used to fill an opening left when mortise cylinder operation is no longer desired.

Number	Length
CR1400-118	1-1/8"
CR1400-114	1-1/4"
CR1400-138	1-3/8"

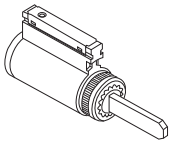
Finishes: 605, 606, 611, 612, 613, 622, 625, 626, 629, 630, 722, BSP, WSP

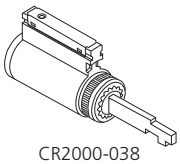
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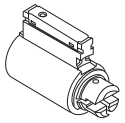
Conventional Component (Key-in-Lever/Knob)

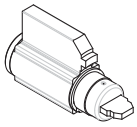
Key Systems

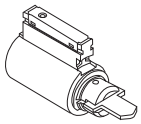
Component Cylinders
Finishes 606, 626

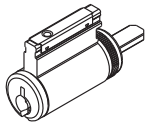

CR2000-031, 033, 034 or 037


CR2000-038


CR2000-052

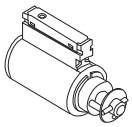

CR2000-044

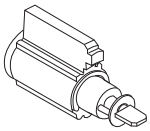

CR2000-051

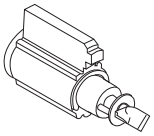

CR2000-031H

Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length) 6-Pin	Tailpiece Part Number (Length) 7-Pin
CR2000	031	CL3100 Lever Trim	(.509")		778F778 (.692")	778F768 (.536")
	031H	CK4300		(.509")	778F778 (.692")	NA
	033	CL3300, CL3500, CL3800, CL3600 (June 2000 and after) Lever Trim - A6/N6/PR6	(.509")		622F308 (.950")	682F298 (.794")
	033H	G1055 ED Trim (Horizontal Tailpiece)		(.509")	622F308 (.950")	682F298 (.794")
	034	CL3400 (Lockset Series Obsolete) CL3600 (Prior to June 2000), A5/N5	(.509")		622F298 (1.106")	622F308 (.950")
	037	CL3700	(.509")		682F298 (.794")	NA
		CK4700		(.509")		
	038	CL3800 (Obsolete 1993-1997 model)	(.509")		596F898 (1.056")	NA
	039	CL3900	(.509")		680F608 (1.700")	NA
	039L	CL3900 (2", 2-1/4" Thick Doors)	(.509")		681F068 (1.950")	NA
	044	CK4400		(.509")	NA Separately	NA
	051	B2/G2/G3 ED Trim		(.552")	489F028 (.890")	NA
	052	UT5200/CK4200	(.552")	(.552")	No Tailpiece	NA

Note #1= For 7-pin version, suffix -7 i.e. 2000-033-7

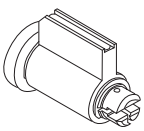

CR2001-052


CR2001-044


CR2001-066

Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length) 6-Pin	Tailpiece Part Number (Length) 7-Pin	Remarks
CR2001	031	CL3129	(.509")		775F958 (.808")	775F968 (.652")	Use CR2001-031-E8 for EMK Blank
	034	CL3329/CL3629 CL3429 (Lockset Series Obsolete)	(.509")		585F338 (1.046")	585F358 (.890")	Use CR2001-034-E8 for EMK Blank
	044	CK4429 (Straight Tailpiece)		(.509")	564F508 (.764")	NA	Use CR2001-044-E4 for EMK Blank
	052	CK4229	(.552")	(.552")	No Tailpiece	NA	Use CR2001-052-E4 for EMK Blank
	066	CK4429 (Twisted Tailpiece)		(.509")	574F128 (.835")	NA	Use CR2001-066-E4 for EMK Blank

Note #1= For 7-pin version, suffix -7, i.e. CR2000-033-7
Note #2= CR2003-044 used for CK4455 & CK4482 prior to August 1993

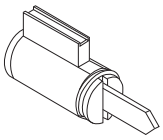

CR2100-052

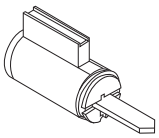
Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length) 6-Pin	Tailpiece Part Number (Length) 7-Pin	Remarks
CR2100	052	Ronde and Continental Knob (Obsolete)		(.552")	No Tailpiece	NA	Finishes 605, 606, 611, 612, 613, 625, 626

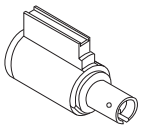
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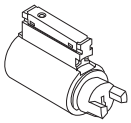
Component (Key-in-Lever/Knob) Conventional

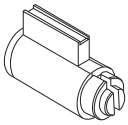
Key Systems

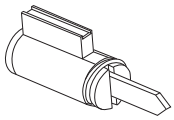

CR2200-001


CR2200-002


CR2200-008


CR2200-076


CR2200-054


CR2200-003

Cylinders for Other Manufacturer's Products - 6-pin

Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length)	Tailpiece Orientation
CR2200	001-A21	Alarm Lock DL2500 Series	(.552")	(.552")	444F748 (.813")	Vertical
		Arrow® H Series Knobs and Levers				
		Arrow Q Series Levers				
		Sargent® 10 Line (Enlarge Lever Hole)*				
		Schlage® D Series Levers				
	001-A22	*Schlage* AL and ND Series Levers	(.552")		461F108 (1.078")	Vertical
	002-A21	*Schlage* D Series Knobs		(.552")	444F748 (.813")	Horizontal
	002-A22	*Schlage* A Series Knobs (PLY, etc.)		(.552")	461F108 (1.078")	Horizontal
	002-A23	*Schlage* A Series Knobs (ORB, only)		(.552")	520F358 (1.328")	Horizontal
	003-A24	Lockwood® H Series Knobs (Enlarge Knob Hole)		(.552")	444F748 (.813")	Vertical
	008	*Sargent* 7,8,9 Line (Enlarge Knob Hole)		(.552")	NA	
	054	Yale® 5400, 6200 Knobs Only (Enlarge Knob Hole)		(.552")	NA	
	076	*Sargent* 7600 Integralock (Enlarge Knob Hole)		(.552")	NA	

*Or order Sargent 10 Line locks with 30 prefix.

Cylinders with Other Manufacturer's Keyways - 6-pin

Type	Tailpiece / Keyway	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number	Remarks
CR2400	031-C	CL3100	(.509")		778F788 (.710")	*Schlage* C Keyway
	031-LA	CL3100	(.509")		778F788 (.710")	*Schlage* LA Keyway
	033-C	CL3300/CL3600 (June 2000 and after) ED8200/ED8400	(.509")		622F328 (1.106")	*Schlage* C Keyway
	033-LA	CL3300/CL3600 (June 2000 and after) ED8200/ED8400	(.509")		622F328 (1.106")	*Sargent* LA Keyway
	034-C	CL3400 (Lockset Series Obsolete) CL3600 (Prior to June 2000)	(.509")		682F398 (0.950")	*Schlage* C Keyway
	034-LA	CL3400 (Lockset Series Obsolete) CL3600 (Prior to June 2000)	(.509")		682F398 (0.950")	*Sargent* LA Keyway
	037-C	CL3700	(.509")		685F098 (0.794")	*Schlage* C Keyway
		CK4700		(.509")		
	039-C	CL3900	(.509")		616F208 (1.700")	*Schlage* C Keyway
	039-LA	CL3900	(.509")		616F208 (1.700")	*Sargent* LA Keyway

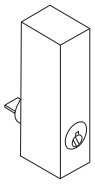
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Conventional Component (Key-in-Lever/Knob/Dead Bolt)

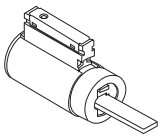
Key Systems

Cylinders for Other Manufacturers' Products (.552" Plug Diameter) - 6-pin

Type	Tailpiece	Series	Plug Diameter	Tailpiece Part Number (Length)	Remarks
CR4200	002-A47	Adams Rite® 4025 Pull	(.552")	146F788 (0.968")	Cylinder Only
	003-A47	*Adams Rite* 4025 Pull	(.552")	146F788 (0.968")	Cylinder and Housing



CR4200-003-A47



CR4200-002-A47

DL2200/DL3200 Deadbolts Cylinder (.509 Plug Diameter)

Cylinder Type	Function	1-3/8" or 1-3/4" (Standard)		2" or 2-1/4"	
		Cylinder	Tailpiece	Cylinder	Tailpiece
6-Pin	11, 13, 17	CR4400-134-A51	753F768	CR4400-134-A51	753F768
	12	CR4400-134-A52	753F778	CR4400-214-A52	753F788
7-Pin	11, 13, 17	CR4400-134-A51-7	753F768	CR4400-134-A51-7	753F768
	12	CR4400-134-A52-7	753F778	CR4400-214-A52-7	753F788

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Rim Cylinders

For use with exit devices and exit device trim.



Type	Tailpiece Length	Pins	Keyway	Finish
CR3000	058 5/8" 955 and 959 Trims 138 1-3/8" M61 & M62 option for ED8200 and obsolete ED9200 exit device alarms 200 2" (std. door) 200N 2" ED4000/ED5000 Night Latch Function 200V 2" vertical tailpiece 312 3-1/2" (thick door) 312V 3-1/2" vertical tailpiece **Tailpiece Orientation** std. = Horizontal V = Vertical	6 (standard) 7	(see pages 31-39)	605 606 611 612 613 622 625 626 629 630 722 BSP WSP

Rim Thumbturn



Type	Tailpiece Length	Pins	Keyway	Finish
CR3300	138 1-3/8" 200 2" (std. door)	N/A	N/A	605 606 611 612 613 622 625 626 629 630 722 BSP WSP

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Corbin Russwin
ASSA ABLOY

Interchangeable Core

Key Systems

Fast changeover - new security in seconds!



Interchangeable Core

Options:

- 7-Pin
- VKC (Visual Key Control)
- CKC (Concealed Key Control)
- Restricted/Protected Keyways
- Pyramid

Advantages
Rekeying can be done by non-technical personnel without removing hardware from the door. When used system-wide, IC provides tremendous rekeying convenience.

When planned from the inception of a system, IC cylinders can be integrated with conventional cylinders.

Applications
IC is recommended for virtually all types of keying systems, such as office buildings, hotels, schools, hospitals and universities. When used in exit devices and other installations which are labor intensive to rekey, IC saves time and money over the life of the building.

Operations
All operating keys (change, master, grand master) operate the lock normally. To rekey, use the special control key. The control key operates at a separate shear line in certain chambers within the core. Only the control key is required to remove and install a core.

Cores
6-pin standard; 7-pin, security and Pyramid optional. Two nickel silver change keys furnished standard per core. Control keys only furnished when ordered.

Key Control
Corbin Russwin cores are available with protected and restricted keyways, patented keyways, security and Pyramid to deter unauthorized key duplication. No orders for patented protected keys, security or Pyramid keys will be shipped for a keying system without a letter of authorization from the end user.

Construction Keying
Temporary cores are available for IC jobs that require construction keying.

Core Marking
Concealed Key Control (CKC) is available for all Corbin Russwin cores. Visual Key Control (VKC) is available for conventional cores, but not for security or Pyramid cores.

Ordering IC Locksets and Exit Devices
For specific product availability and Quick Codes for cylinder options, see "How to Order" in each catalog section.

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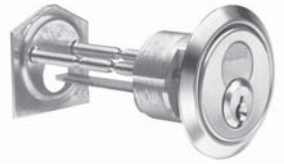
Interchangeable Core Mortise



CR10	8	0	–	114	–	A01	–	6	–	L4	–	x	Finish	x	Option

Core	Function	Length	Cam	Pins	Keyway	Finish*	Temporary Core
3 Pyramid 4 SFIC Housing Only (No Core) 8 Standard 9 Security (6-Pin only) 7 LFIC Housing only (no core)	0 Standard 1 Uses - E1suffix for EMK blank Hotel 1-3/8" with A01 cam only. 7 Pyramid Security	114 1-1/4" 138 1-3/8" 112 1-1/2" 134 1-3/4" 200 2" 214 2-1/4" 212 2-1/2"	(see page 40) A01 Cloverleaf A02 Straight A03 Adams Rite® MS and DL3000 Deadlock A04 DL4000 A05 *Adams Rite* 4070 A06 Schlage® Cloverleaf A07 DL4100 A62 MR Straight / CR900 Series Mullion A92 Exit GripTrim 01 & 02 A93 Obsolete deadlocks: Corbin® 610 Series and Russwin® 1403 Series	6 (standard) 7 (Not available for 1-1/4", 1-3/8" LFIC and 1-1/4" SFIC housings)	(see pages 31-39)	605 606 611 612 613 613E 622 625 626 629 630 722 BSP WSP	CT6R IC 6-pin with temporary construction core (Red) CT6B IC 6-pin with temporary construction core (Blue) CT6G IC 6-pin with temporary construction core (Green) CT7R IC 7-pin with temporary construction core (Red) CT7B IC 7-pin with temporary construction core (Blue) CT7G IC 7-pin with temporary construction core (Green) CT6D 6-pin LFIC Disposable CT7D 7-pin LFIC Disposable CTP Pyramid LFIC CTPD Pyramid LFIC Disposable CT6SD 6-pin SFIC Disposable CT7SD 7-pin SFIC Disposable

Interchangeable Core Rim



CR30	8	0	–	178	–	6	–	L4	x	Finish	x	Option

Core	Function	Tailpiece Length	Pins	Keyway	Finish*	Temporary Core
3 Pyramid 4 SFIC Housing Only (No Core) 8 Standard 9 Security (6-Pin only) 7 Housing only (no core)	0 Standard 7 Pyramid Security	058 5/8" 114 1-1/4" M61 & M62 option for ED8200 and obsolete ED9200 exit device alarms 178 1-7/8" (std. door) 178V 1-7/8" vertical tailpiece 318 3-1/8" (thick door) **Tailpiece Orientation** std Horizontal V Vertical (Not Available for 114 length)	6 (standard) 7	(see pages 31-39)	605 606 611 612 613 622 625 626 629 630 722 BSP WSP	CT6R IC 6-pin with temporary construction core (Red) CT6B IC 6-pin with temporary construction core (Blue) CT6G IC 6-pin with temporary construction core (Green) CT7R IC 7-pin with temporary construction core (Red) CT7B IC 7-pin with temporary construction core (Blue) CT7G IC 7-pin with temporary construction core (Green) CT6D 6-pin LFIC Disposable CT7D 7-pin LFIC Disposable CTP Pyramid LFIC CTPD Pyramid LFIC Disposable CT6SD 6-pin SFIC Disposable CT7SD 7-pin SFIC Disposable

*All plugs and shells for LFIC cylinders are provided in 606 or 626. Housings are provided in the finish of the lock hardware order

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Interchangeable Core

How to Order

Key Systems

Core Only



Description	Number	Remarks	EMK Blank
6-pin for CL3129	CR8001-031	Hotel indicator pin	E8 Suffix
7-pin for CL3129	CR8001-031-7	Hotel indicator pin	E8 Suffix
6-pin standard	CR8000	Set to hotel mortise EMK	N/A
6-pin standard	CR8000EMK	-E1 suffix	
Security	CR8010EMK	Set to hotel mortise EMK	N/A
Security	CR8010		-E1 suffix
7-pin	CR8000-7	Hotel indicator pin	N/A
6-pin for CL3329, CL3629	CR8001-034	Hotel indicator pin	-E8 suffix
7-pin for CL3329, CL3629	CR8001-034-7	Hotel indicator pin	-E8 suffix
6-pin for CK4229	CR8001-042	Hotel indicator pin	-E4 suffix
Security for CK4229	CR8011-042		-E4 suffix
Pyramid High Security	CR8020		N/A
Pyramid Security	CR8027		N/A

Specify Keyway
Finishes: 606 & 626 only
Uncombinated cores: Specify “UC”. Keys not provided. Not applicable for 8000EMK, 8010EMK

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Standard Function
Security Mortise



CR10	1	0	–	118	–	A01	–	6	–	L4	–	x	Finish	x	Option

Mechanism	Function	Length	Cam (see page 40)	Pins	Keyway	Finish	Uncombinated
1 Standard 9 IC (available) 1-1/4" 1-3/8" 1-1/2" 1-3/4" 2" 2-1/4"	0 Standard 1 Hotel	118 1-1/8" 114 1-1/4" 138 1-3/8" 112 1-1/2" 134 1-3/4" 200 2" 214 2-1/4" 212 2-1/2" 234 2-3/4"	A01 Cloverleaf A02 Straight A03 Adams Rite® MS and DL3000 Deadlock A04 DL4000 Deadlock A05 *Adams Rite* 4070 A06 Schlage® Cloverleaf A07 DL4100 A62 MR Straight / CR900 Series Mullion A92 Exit GripTrim 01 & 02 A93 Obsolete deadlocks: Corbin® 610 Series and Russwin® 1403 Series	6 -pin only	(see pages 31-39)	605 606 611 612 613 613E 622 625 626 629 630 722 BSP WSP	UC

Special Function Security Mortise

Hotel Function Security Mortise

Change key and all normal master keys have limited rotation to retract latchbolt only. Emergency Master Key (EMK) and display key turn 360° for additional operation of deadbolt. EMK and display key requires 7-pin key blank for standard cylinders and -E1 suffix blank for IC cylinders.

Cylinder Number	Description
CR1011-114-A01*	1-1/4" Cloverleaf cam only
CR1091-138-A01	IC version 1-3/8"
CR1071-138-A01	IC housing only

*1011 cylinder not available with D1, D2, L1 or L2 keyways

Cylinder Number	Cam
CR1012-114-A01	Cloverleaf cam
CR1012-114-A02	Straight cam
CR1012-114-A03	DL 3000 Series Adams Rite® MS cam
CR1012-114-A04	DL4000 Series Deadlock
CR1012-114-A05	*Adams Rite* 4070
CR1012-114-A93	Obsolete 610/1403 Deadlock

Cylinder Number	Change Key	Cam
CR1014-118-A02	Clockwise	Straight
CR1015-118-A02	Counter-Clockwise	Straight

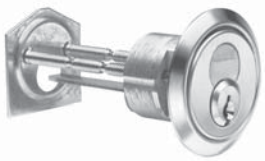
Folger Adam® NS400 Series x LEK uses A02 cam version.

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Security Rim



Standard

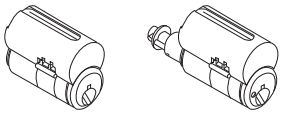


Interchangeable Core

CR3	0	1	0	–	200	–	6	–	L4	x	Finish	x	Option

Mechanism	Function	Tailpiece Length		Pins	Keyway	Finish	Uncombinated
		For 3010 Only	For IC				
1 Standard 9 IC	0 Standard	138 1-3/8" M61& M62 option for ED8200 and obsolete ED9200 exit device alarms	114 1-1/4" M61 & M62 option for ED8200 and obsolete ED9200 exit device alarms	6-pin only	(see pages 28-36)	605 606 611 612 613 613E 622 625 626 629 630 BSP WSP	UC
		200 2" (Std. door)	178 1-7/8" (Std. door				
		200V 2" vertical tailpiece	178V 1-7/8" vertical tailpiece				
		312 3-1/2" (thick door)	318 3-1/8" (thick door)				
		312V 3-1/2" vertical tailpiece					

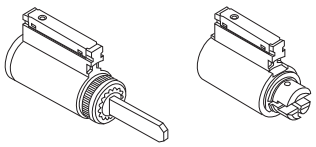
Security Cores Only



Description	Core Number	Remarks	EMK Blank
Standard	CR8010		N/A
For 1091	CR8010	EMK Set to hotel mortise EMK	-E1 suffix
For CK4229	CR8011-042	Hotel indicator pin	-E4 suffix

Specify Keyway. Available uncombinated, except CR8010EMK.
Finishes: 606 & 626 only

Key-in-Knob/Key-in-Lever



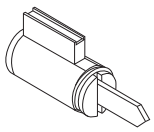
Lockset	Cylinder Number
CL3100	CR2010-031
CL3300, CL3500, CL3800, CL3600 Series (June 2000 and after)	CR2010-033
G1055 exit device knob trims	CR2010-033H
CL3300, CL3600 Series (Prior to June 2000)	CR2010-034
CL3800 Series (obsolete 1993-1997 model)	CR2010-038
CL3900 Series	CR2010-039
CL3900 Series (2", 2-1/4" Thick Door)	CR2010-039L
B2, G2 Exit Device Knob Trim	CR2010-051
CK4200 and UT5200 Series	CR2010-052
CK4229 Hotel Function	CR2011-052
CK4300 Series	CR2010-031H

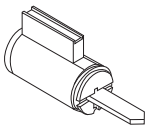
Specify Keyway. Available uncombinated.
Use -E4 suffix for EMK blank. Finishes: 606, 626

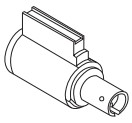
DL2200/DL3200 Deadbolts Cylinder

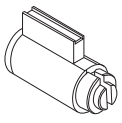
Function	1-3/8" or 1-3/4" (Standard)		2" or 2-1/4"	
	Cylinder	Tailpiece	Cylinder	Tailpiece
11, 13, 17	CR4410-134-A51	753F768	CR4410-134-A51	753F768
12	CR4410-134-A52	753F778	CR4410-214-A52	753F788

Other Manufacturers' Products









Vertical Tailpiece		Horizontal Tailpiece			
Alarm Lock DL2500 Series	CR2210-001-A21	*Schlage* D Series Knobs	CR2210-002-A21	*Sargent* 7, 8, 9 Line (enlarge knob hole) CR2210-008	Yale® 5400, 6200 Knobs (enlarge knob hole) CR2210-054
Arrow® H Series Knobs & Levers	CR2210-001-A21	*Schlage* A Series Knobs (PLY, etc.)	CR2210-002-A22		
Arrow Q Series Levers	CR2210-001-A21	*Schlage* A Series Knobs (ORB, only)	CR2210-002-A23		
Sargent® 10 line (Enlarge lever hole)*	CR2210-001-A21	Available Uncombinated. Finishes: 606, 626			
Schlage® D Series Levers	CR2210-001-A21				
Schlage AL and ND Series Levers	CR2210-001-A22				
Lockwood H Series Knobs (enlarge knob hole)	CR2210-003-A24				

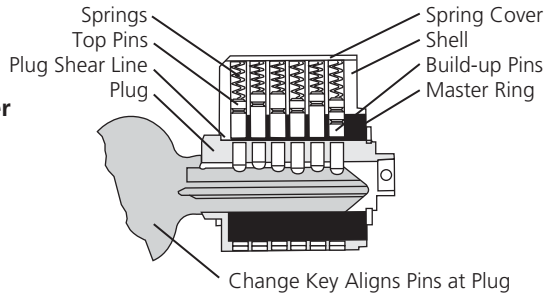
*Or order Sargent 10 Line locks with 30 prefix.

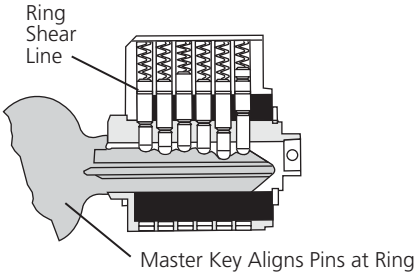
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Master Ring

Key Systems

- **Greater master keying capacity**
- **Superior keying flexibility**
- **Greater security in each cylinder**





Advantages

6-pin Master Ring keying systems offer keying capacity similar to 7-pin conventional cylinder systems.

There is, however, far greater flexibility for asymmetrical keying systems, because change key combinations do not require any direct relationship to those of master keys. In conventional systems, combinations not needed under a given master key cannot be used elsewhere in the system. In master ring, they can. This frees thousands of combinations for use anywhere within a master ring system.

Since the master keys all have their own shear line, fewer master pins are used, increasing cylinder security. This security enhancement reduces the chances of cylinders being manipulated by stray keys. It also hinders surreptitious entry by picking and impressioning.

When planned from the inception of a keying system, conventional cylinders may be integrated into specific parts of a Master Ring system for areas where the required hardware does not accommodate the large Master Ring cylinders.

Applications

Corbin Russwin Master Ring cylinders are especially recommended for installations which require large and complicated keying systems, such as hospitals and universities.

Field Serviceability

Corbin Russwin Master Ring cylinders are fully field serviceable.

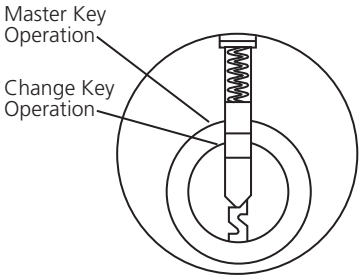
Note: Master Ring cylinders are not available uncombinated.

Key Control

Restricted and protected keyways are available.

Construction Master Keying

When planned from the inception of a keying system, construction master keying is available.



Operation

The change key rotates the cylinder plug only. Master keys operate at the master ring, which is a sleeve around the plug.

Cylinder Marking

Visual Key Control (VKC) and Concealed Key Control (CKC) are available for Master Ring cylinders.

Ordering Locksets and Exit Devices with Master Ring Cylinders

For specific product availability and Quick Codes for cylinder options, see "How to Order" in each catalog section.

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Master Ring

How to Order

Key Systems

Standard Master Ring Mortise

(1-1/2" diameter; .552" diameter plug)



Type	Length	Cam	Pins	Keyway	Finish
CR1060	100 1" (5-pin only)	(see page 40)	5 (1" length only)	(see pages 31-39)	605
	118 1-1/8"	A61 Cloverleaf*	6 (standard)		606
	114 1-1/4"	A62 Straight	7 (Available 1-3/8" only)		611
	138 1-3/8"	A63 Large Short			612
	112 1-1/2"	A64 Large Long			613
	134 1-3/4"	A65 Cloverleaf (formerly 11A)			613E
	200 2"				618
	214 2-1/4"	*A61 is for locks made after 5/93; requires thumbturn hub 562F41-2			619
	212 2-1/2"				622
	234 2-3/4"				625
	300 3"				626
					722
					BSP
					WSP

Flexible Head Master Ring Mortise

(1-1/2" diameter; .552" diameter plug)



Type	Length	Cam	Pins	Keyway	Finish
CR1160	100 1" (6-pin only)	(see page 40)	6 (standard)	(see pages 31-39)	605
	118 1-1/8"	A61 Cloverleaf*			606
	114 1-1/4"	A62 Straight			611
		A63 Large Short			612
		A64 Large Long			613
		A65 Cloverleaf (formerly 11A)			613E
					618
		*A61 is for locks made after 5/93; requires thumbturn hub 562F41-2			619
					622
					625
					626
					722
					BSP
					WSP

Dummy Master Ring Mortise



Cylinder Number	Length
CR1460-118	1-1/8"
CR1460-114	1-1/4"
CR1460-138	1-3/8"
CR1460-112	1-1/2"
Finishes: 605, 606, 611, 612, 613,	618, 619, 622, 625, 626, 722

Master Ring Rim

(1-1/2" diameter; .552" diameter plug)

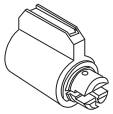


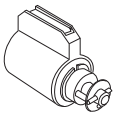
Cylinder Number	Description
CR3060-200	Standard horizontal tailpiece
CR3060-312	Thick door, horizontal tailpiece
CR3060-200V	Vertical tailpiece
CR3060-312V	Thick door, vertical tailpiece
Finishes: 605, 606, 611, 612, 613, 618, 619, 622, 625, 626, 722, BSP, WSP	

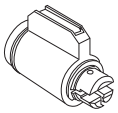
*Not available "UC" uncombined

CK4200 & UT5200 Series Lockset

Specify keyway (.552" diameter plug)

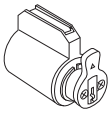


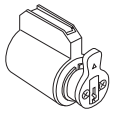


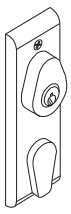


Standard Cylinder CR2060-052	With Indicator Pin for CK4229 Hotel CR2061-052	Discount. Ronde & Continental Knob CR2160-052
Finishes: 606, 626		

Exit Device Operators







For ED6800 x B5 or B6 For ED7400 x 03 or 04 CR4266-001-A02	For ED6800 x 01 or 02 CR4266-001-A92
Finishes: 606, 626	

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Description

Pyramid cylinders are available in both high security and security versions. The high security version is certified by Underwriters Laboratories to UL437 standards.

Applications

Especially recommended for installations requiring superior protection against picking, drilling and other surreptitious entry. Ideally suited for Educational and Healthcare facilities, Industrial and Commercial buildings.

System Administration & Key Control

Key control will be maintained through compliance with Corbin Russwin's Security Policy: for a copy contact Key Systems Administration or visit our web site at www.corbinrusswin.com.
All new Pyramid systems will require a completed System Information Document (orders cannot be entered without this document). The fully executed original document will be kept on file at Corbin Russwin Key System Administration. For all subsequent orders a letter of authorization will be required if the product is shipped to an address other than what is recorded on the System Information Document and/or if the address on the purchase order is different than what is listed on the System Information Document. Note that Key System Administration will not keep blanket letters of authorization on file.

Product Specification

All cylinders shall employ a protected locking mechanism that requires the use of a protected key and is furnished with a minimum of 7 pins. High Security cylinders shall meet the requirements of UL437. Interchangeable cores shall meet the drill resistance and pick resistance of UL437.

Keys shall be nickel silver and furnished with a large bow.

Features	Benefits
• High security protection (UL437) standard	• Underwriters Laboratory listing for resistance to picking & drilling
• 7-pin	• Greater master keying capabilities • Uses existing 6-pin interchangeable core housings • 1-1/4" (32mm) length for mortise cylinders
• Available with stainless steel pins	• Drill and pick resistant
• Large key bow	• Easy handling & special stamping options
• Thicker and stronger nickel silver keys	• Ideally suited for high usage & abusive applications
• User friendly	• No expensive dedicated equipment necessary for key cutting

Certifications

BHMA A156.5 Grade-1
E09211A* (Mortise)
E09221A* (Rim)
E09231A* (Bored Lock Cylinders)
*A (suffix) refers to cylinders of pick and drill resistance.

UL Underwriters Laboratories Inc.
(UL437)BP8976
CR1020, CR2020, CR3020 Fixed Core (FC) series only

Finishes

Pyramid cylinders are available in all Corbin Russwin standard finishes.

Keying

7 pin with two nickel silver change keys per cylinder. Pyramid fixed core security cylinders may be uncombinated (specify UC)[1], master or grand master keyed to a specific facility. Note: Pyramid cylinders are not available "0" bitted.

Keys shipped separately for master keyed cylinders.

System Specifications

- Pyramid systems are independent and cannot be keyed into existing and/or conventional systems.
- Pyramid cylinders are to be keyed to factory-generated bittings only.
- Cross keying is not available.

Key Discard Policy & Warranty

See page 49.

Construction Master Keying

Pyramid cylinders are not available construction master keyed. Interchangeable core jobs can be furnished with temporary construction cores. Temporary construction cores will be unrelated to the permanent system's master key. When the permanent cores are installed, the temporary construction cores are returned to Corbin Russwin for credit.

How to Order Example

1. Mortise lock with temporary construction core
   Qty. - ML2051 - LSA - 626 - RHR - CTP
2. Mortise cylinder with temporary construction core
   Qty. - CR1080-114-A01-626-CTP
3. Permanent core ordered separately
   Qty. - AA1 - CR8020 - 626

Pyramid Quick Codes[2]

PS	Pyramid Security Fixed Core
PCS	Pyramid Security Interchangeable Core
PHS	Pyramid High Security Fixed Core
PCHS	Pyramid High Security Interchangeable Core
CTP[3]	Pyramid with Temporary Construction Core
CLP[3]	Pyramid Less Core

1. UC cylinders are supplied, less keys, pins, springs and pin covers.
2. When cylinders are ordered with locks.
3. Pyramid cores to be ordered as a separate line item.

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Performance Features

Shell
- Locking pin mechanism
- Hard metal inserts

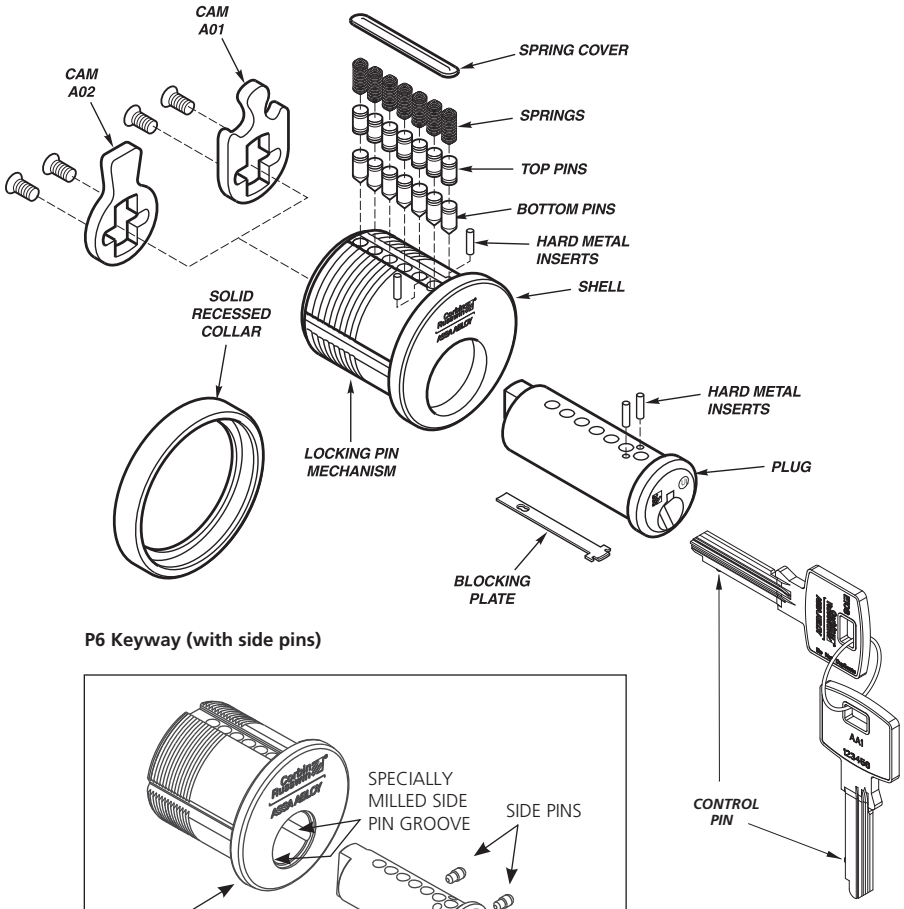
Key
- Control pin

Plug
- Blocking plate
- Hard metal inserts

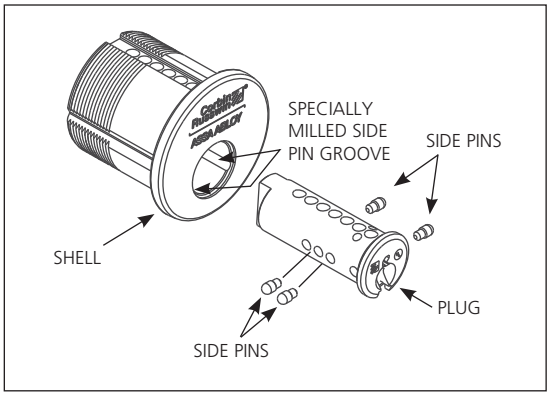
Pins & Springs
- Hardened stainless steel pick-resistant bottom pins*
- Hardened stainless steel pick-resistant top pins*
- Hardened stainless steel pick-resistant master pins (if required)*
- Hardened stainless steel pick-resistant build-up pins (if interchangeable core)*
- Springs

Collar
- Solid recessed (mortise)

* Hardened stainless steel pins used for UL437 High Security versions only. Pyramid Security version uses nickel silver bottom pins and brass master, build-up and top pins.



P6 Keyway (with side pins)



Operation



Without Key
Locking pin mechanism engages blocking plate and prevents the plug from turning.



With Key
Key's control pin depresses the locking pin mechanism and allows the plug to turn.

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Keys

- Nickel silver
- Key Bow Type 28
- Ordering example: 7PIN-28-XXXX
  - Keyway
- Ordering example P6 Keyway:
  7PIN-28-XXXX-SPCXX
  - Keyway
  - Side Pin Code

Back Side Stamping & Options

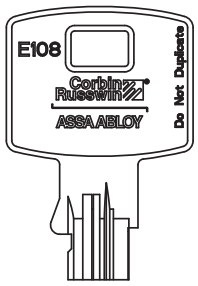
- Key set (VKC1), standard – unless otherwise indicated
- System registry number will be stamped on upper-level keys unless otherwise indicated
- Concealed key control (CKC2) available on cylinders
- Visual key control (VKC2 and VKC3) not available on cylinders. CKC3 also not available.

Note: Refer to Corbin Russwin's general catalog and price book for complete detailed information.

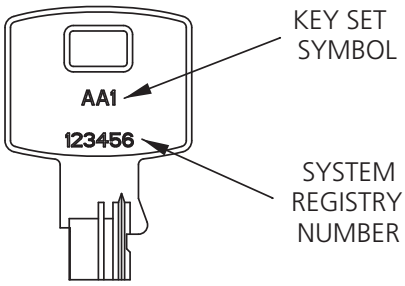
Keyway Security

Pyramid keyways will be determined by the supervisor of Key Systems Administration. Assignment will be based on the overall system requirements and geographic location to provide maximum protection to the owner. For security reasons, the keyway profiles are not shown.

Front Side



Back Side



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Mortise Cylinders

Mortise Locks/Deadlocks

Mortise Locks/Deadlocks

For use with all Corbin Russwin ML2000, ML2000HS and ML2200 (discontinued) mortise locks. DL4000 & DL3000 Series Deadlocks.

Mortise Exit Devices

For use with ED7600 and ED6600 devices.



Conventional Fixed Core (FC)



Interchangeable Core (IC)

Type	Length	Cam	Finish
CR1020 - High Security Mortise CR1027 - Security Mortise CR1030 - High Security IC Mortise complete CR1037 - Security IC Mortise complete CR1070 - Housing only	**CR1020/CR1027 - Non-IC (Fixed Core)** 114 - 1-1/4" (32mm) 112 - 1-1/2" (38mm) *See note #3 **CR1030/CR1037/CR1070 IC** 114 - 1-1/4" (32mm) 138 - 1-3/8" (35mm) 112 - 1-1/2" (38mm 134 - 1-3/4" (44mm) 200 - 2" (51mm) 214 - 2-1/4" (57mm) 212 - 2-1/2" (64mm)	A01 - Cloverleaf A02 - Straight A03 - Adams Rite® MS A04 - DL4000 Series A05 - Adams Rite® 4070 A06 - Schlage® Cloverleaf A07 - DL4100 A62 - 900 KRM Straight A92 - See note #1 A93 - See note #2	605 - Bright Brass 606 - Satin Brass 611 - Bright Bronze 612 - Satin Bronze 613 - Dark Oxidized Satin Bronze - oil rubbed 613E - Dark Oxidized Satin Bronze - Equivalent 618 - Bright Nickel Plated 619 - Satin Nickel Plated 622 - Flat Black Coated 625 - Bright Chromium Plated 626 - Satin Chromium Plated 629 - Bright Stainless Steel 630 - Satin Stainless Steel 722 - Black oxidized bronze, oil rubbed BSP - Black Suede Powder Coat WSP - White Suede Powder Coat

Note #1 - Not available IC
Note #2 - For obsolete Corbin® 610 and Russwin® 1403 series deadlocks
Note #3 - For ML2000 applications with door thickness exceeding 2-1/2" up to 3" in thickness, use IC cylinders.

How to Order Examples

High Security Mortise Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Length	Cam	Finish	Keyway
50	AA1	CR1020	114	A01	605	P3A1

Mortise Cylinder with a Pyramid Security Interchangeable Core

Quantity	Keyset	Cylinder	Length	Cam	Finish	Keyway
50	AA1	CR1037	114	A01	605	P3A1

Mortise Lock with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	ML2051	LSA	626	RHR	PHS (PS for Security version)	P3A1

Mortise Lock with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	ML2051	LA	626	RHR	PCHS (PCS for Security version)	P3A1

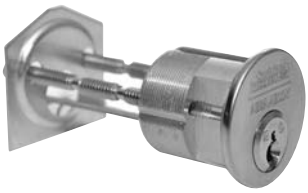
Exceptions

Pyramid cylinders are not available for the following: ML2029, ML2029HS, ML2029VR, ED7600 - applications over 2-1/4" thick, ED6600 - applications over 1-3/4" thick.

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Rim Cylinders

For use with exit devices and exit device trims.



Conventional
Fixed Core
(FC)



Interchangeable Core
(IC)

Type	Length	Availability		Finish
		FC	IC	
CR3020 - High Security Rim Cylinder CR3027 - Security Rim Cylinder CR3030 - High Security IC Rim Cylinder CR3037 - Security IC Rim Cylinder CR3070 - Housing only	058-5/8" (16mm) Tailpiece	X	X	605 - Bright Brass 606 - Satin Brass 611 - Bright Bronze 612 - Satin Bronze 613 - Dark Oxidized Satin Bronze - oil rubbed 613E - Dark Oxidized Satin Bronze - Equivalent 618 - Bright Nickel Plated 619 - Satin Nickel Plated 622 - Flat Black Coated 625 - Bright Chromium Plated 626 - Satin Chromium Plated 629 - Bright Stainless Steel 630 - Satin Stainless Steel 722 - Black oxidized bronze, oil rubbed BSP - Black Suede Powder Coat WSP - White Suede Powder Coat
	114 - 1-1/4" (32mm) M61 & M62 option for ED8200 and ED9200 exit device alarms		X	
	138 - 1-3/8" (35mm) M61 & M62 option for ED8200 and Obsolete ED9200 exit device alarms	X		
	178 - 1-7/8" (48mm) (Std. Door)		X	
	178V - 1-7/8" (48mm) vertical		X	
	200 - 2" (51mm)	X		
	200N - 2" (51mm) ED4000/ED5000 Night Latch Function	X		
	200V - 2" (51mm) vertical	X		
	312 - 3-1/2" (89mm)	X		
	312V - 3-1/2" (89mm) vertical	X		
	318 - 3-1/8" (79mm)		X	

How to Order Examples

High Security Rim Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Length	Finish	Keyway
50	AA1	CR3020	200	605	P3A1

Rim Cylinder with a Pyramid Security Interchangeable Core

Quantity	Keyset	Cylinder	Length	Finish	Keyway
50	AA1	CR3037	178	605	P3A1

Exit Device with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	ED5200	L955	630	RHR	PHS (PS for Security version)	P3A1

Exit Device with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	ED5200	L955	630	RHR	PCHS (PCS for Security version)	P3A1

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Pyramid Component (Key-in-Lever/Knob)

Key Systems

Key-in-Lever / Knob Cylinder

For use with Corbin Russwin CL3100, CL3300, CL3500, CL3700, and CL3800 lever locks, CK4200 and CK4700 knob locks and UT5200 unit locks. 2020/2027 series cylinders can also be used on CL3400, CL3600, CL3800 and CL3900 (discontinued) locks.



Conventional Fixed Core (FC)



Interchangeable Core (IC)

Type	Lockset Series	Finish
CR2020 - High Security Key-in-Lever/Knob CR2027 - Security Key-in-Lever/Knob	031 - CL3100 Lever	606 - Satin Brass 626 - Satin Chromium Plated
	031H - CK4300 Knob	
	033 - CL3300, CL3500, CL3600 (June 2000 and after) and CL3800 Lever	
	033H - G10 Exit Device Knob Trim	
	034 - CL3400 Lever - CL3600 Lever (Before June 2000) A5, N5 Obsolete ED8000 Trims	
	037 - CL3700 Lever - CK4700 Knob	
	038 - CL3800 Lever (Manufactured 1993-1997)	
	039 - CL3900 Lever (1-3/8" - 1-3/4" door)	
	039L - CL3900 Lever (2" - 2-1/4" door)	
	051 - G3 Exit Device Knob Trim	
	052 - CK4200 Knob - UT5200 Knob and Lever	

Key-in-Lever/Knob for other Manufacturers' Products

Cylinder Descriptions			
High Security (PHS)	Security (PS)	Tailpiece Orientation	Used for:
CR2220-001-P21	CR2227-001-P21	Vertical	Schlage® D Series Levers Arrow H® Series Knobs and Levers Sargent® 10 line (Enlarge Lever Hole)*
CR2220-002-P21	CR2227-002-P21	Horizontal	Schlage® D Series Knobs
CR2220-001-P22	CR2227-001-P22	Vertical	Schlage® AL and ND Series Levers
CR2220-002-P22	CR2227-002-P22	Horizontal	Schlage® A Series Knobs (Ply, etc.)
CR2220-002-P23	CR2227-002-P23	Horizontal	Schlage® A Series Knobs (ORB only)

*Or order Sargent 10 Line locks with 30 prefix.

DL2200/DL3200 Deadbolts Cylinder

Cylinder Type	Function	1-3/8" or 1-3/4" (Standard)		2" or 2-1/4"	
		Cylinder	Tailpiece	Cylinder	Tailpiece
High Security (PHS)	11, 13, 17	CR4420-134-A51	753F768	CR4420-134-A51	753F768
	12	CR4420-134-A52	753F778	CR4420-214-A52	753F788
Security (PS)	11, 13, 17	CR4420-134-A51-7	753F768	CR4420-134-A51-7	753F768
	12	CR4420-134-A52-7	753F778	CR4420-214-A52-7	753F788

How to Order Examples

High Security Component Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Lockset Series	Finish	Keyway
50	AA1	CR2020	033	626	P3A1

Cylindrical Lock with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Pyramid Quick Code	Keyway
50	AA1	CL3357	PZD	626	PHS (PS for Security version)	P3A1

Cylindrical Lock with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Pyramid Quick Code	Keyway
50	AA1	CL3357	PZD	626	PCHS (PCS for Security version)	P3A1

Exceptions

Pyramid cylinders are not available for the following: CL3329, CL3629, CK4229, CK4451, CK4455, CK4457, CK4429, CK4482, DL2100 series, DL3100 series.

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Interchangeable Core

For use with Corbin Russwin's 6-pin Interchangeable Core housings & shells.*



Type	Finish**
CR8020 - High Security IC core*	605
	606
	611
CR8027 - Security IC core*	612
	613
	613E
	622
	625
	626
	722
	BSP
	WSP

* Corbin Russwin 6-pin Interchangeable Core housings 1070 (mortise) & 3070 (rim) will accept 8020/8027 cores.

** All plugs and shells for LFIC cylinders are provided in 606 or 626. Mortise and rim housings are provided in the finish of the lock hardware ordered.

How to Order Examples

Security Interchangeable Core Ordered Separately

Quantity	Keyset	Cylinder	Finish	Keyway
50	AA1	CR8027	605	P3A1

Padlocks

Used with Pyramid Interchangeable Cores.
PL5030, PL5130, PL5230, PL5037, PL5137, PL5237



How to Order Examples

Padlock with a Pyramid High Security (CR8020) Interchangeable Core Cylinder

Quantity	Keyset	Series/Function	Shackle Length	Keyway
50	AA1	PL5030	258	P3A1

*Refer to general catalog for miscellaneous options.

Padlock with a Pyramid Security (CR8027) Interchangeable Core Cylinder

Quantity	Keyset	Series/Function	Shackle Length*	Keyway
50	AA1	PL5037	258	P3A1

Deadlocks

Used with Pyramid mortise cylinders. (DL3000 and DL4100)
Available in all standard finishes.



How to Order Examples

Deadlock with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	DL4113	626	RHR	PHS (PS for Security version)	P3A1

Deadlock with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Finish	Pyramid Quick Code	Keyway
50	AA1	DL4113	626	PCHS (PCS for Security version)	P3A1

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Corbin Russwin
ASSA ABLOY

Bump Resistant Cylinders

Key Systems

Protect your building from unwanted entry with Corbin Russwin bump-resistant cylinders. Our bump-resistant cylinders deter bumping without compromising the cylinder's structural integrity and strength. This option is available with Corbin Russwin conventional and Pyramid protected security and high-security cylinders on our mortise, cylindrical and exit device hardware.

Recently, a lot of information has been circulating about bumping, a technique used to defeat cylinders. Although this method has been around for a number of years, the internet has increased public awareness. Bumping is when a "bump key" is inserted into the cylinder and struck using a mallet or hammer type object. The bump key is specifically designed to transfer the energy from the force of the blow to create a separation in the cylinder's pins which compromises the lock allowing it to open.

Although BHMA has yet to establish bump-resistance standards, Corbin Russwin Bump Resistant Cylinders were tested and verified by an independent testing lab. They conclusively resisted bumping attack and did not allow entry. Verification and testing data is available upon request.

Bump-Resistant Cylinders:
- Specify "BRP"

Retrofit:
- Convert existing cylinders with Bump-Resistant Top Spool Pins

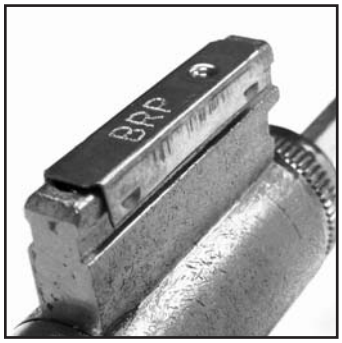
Features
Bump-resistant cylinders are designed for use with all Corbin Russwin locking hardware:
- Cylindrical locks
- Mortise locks
- Exit devices
- Access control locks
- Unit locks
- Auxiliary locks

Factory bitted, a symbol BRP is stamped onto pin cover/slides. Interchangeable core cylinders are not available with bump-resistant pinning.



BRP pinned mortise cylinder


BRP pinned rim cylinder



BRP pinned key-in-lever cylinder

Bump-Resistant Top Spool Pins

Description	Part Number	Qty
Conventional	628F10-7-171	Vials of 100 pcs.
Pyramid A	628F10-7-142	Vials of 100 pcs.
Pyramid C	628F10-7-236	Vials of 100 pcs.

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45078 6/19

L4	–	6-Pin	–	1	–	0

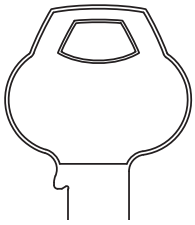
Key Sections	Length	Bow Shape	Bow Marking
(see pages 31-40)	Indicate 5-, 6-, 7-pin	1 Standard 5 Large 9 Security	0 Coined Logo 1 Plain 2 DND 3 US property DND 9 Restricted DND

Standard Bows



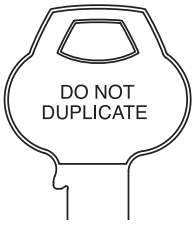
10

The standard bow furnished for all non-restricted keyways unless otherwise specified. The other side is blank.
Example: L4-6PIN-10.



11

Blank both sides, for use when more area is required for stamping, such as custom die stamps. Not for use with restricted keyways.
Example: L4-6PIN-11.



12

This bow enhances key control for non-restricted Corbin Russwin keyways. Other side blank. Example: L4-6PIN-12.



13

For use only on U.S. Government projects.
Example: L4-6PIN-13.

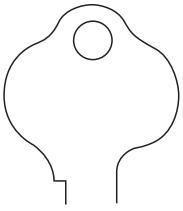
Protected and Restricted Keys

10, 50 and 90 bow shapes are designated as 19, 59 and 99 for protected and restricted keyways. They are stamped this way on the thumb side. Other side blank.

RESTRICTED
DO NOT
DUPLICATE

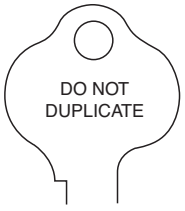
This stamp is not available for keys which are not protected and or restricted. Protected keyway keys will be stamped restricted.

Large Bows



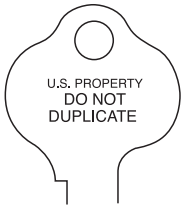
51

Blank both sides. Recommended for special die stamps or large amounts of stamping, and for Control and Emergency Master Keys. Not available for 752, 852 or A Class keyways.
Example: L4-6PIN-51.



52

Recommended for non-restricted keys which need extra space for special stamping. This bow also enhances key control for other Corbin Russwin keys. Not available for 752, 852 or A Class keyways.
Example: L4-6PIN-52.



53

For use only on U.S. Government projects. Recommended for use when a large amount of stamping is required. Not available for 752, 852 or A Class keyways.
Example: L4-6PIN-53.

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Security Bows (Inactive - for Existing Systems Only)

90

Standard bow for security keys. Example: L4-6PIN-90.

91

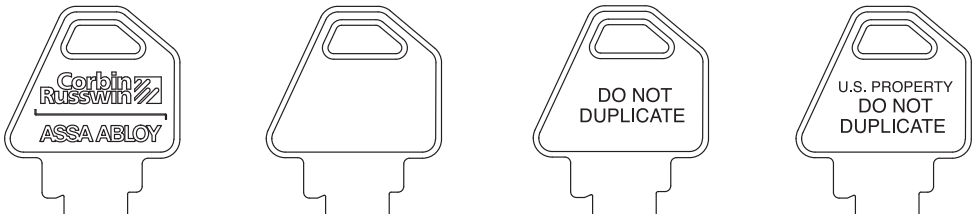
Blank both sides for security keys where extra stamping is required. Not for use with restricted keyways. Example: L4-6PIN-91.

92

This bow enhances key control for non-restricted security keys. Other side blank. Example: L4-6PIN-92.

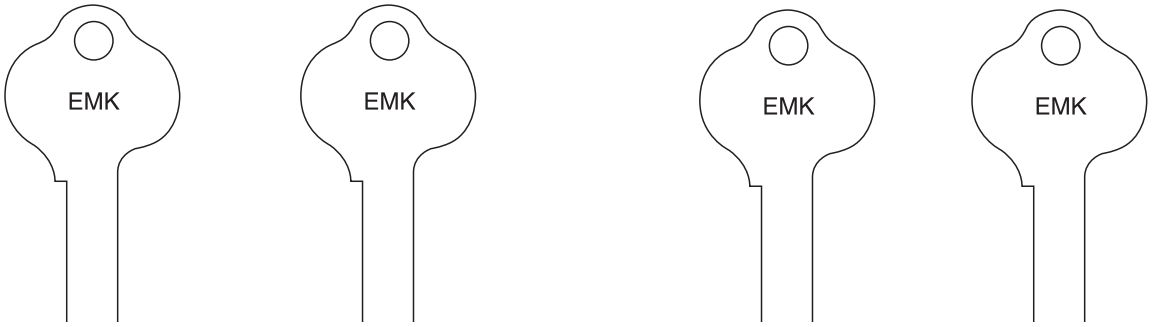
93

For use only on security keys for U.S. Government projects. Example: L4-6PIN-93.



Hotel Security Key Blanks

Standard hotel function mortise cylinders CR1001 and CR1011 use 7-pin Emergency Key blanks. The 51 bow is suggested e.g., L4-7PIN-51. All other Corbin Russwin hotel function cylinders require keys with a special undercut tip. The four variations are shown below.



-E1 Suffix

For interchangeable core mortise cylinder CR1081 (conventional) and CR1091 (security). Available 6-pin only. Examples: L4-6PIN-51-E1 or L4-6PIN-90-E1.

-E8 Suffix

For CL3329 and CL3629 and obsolete CL3429 key-in-lever locksets, fixed core and IC. Available 6- and 7-pin. Example: L4-6PIN-51-E8.

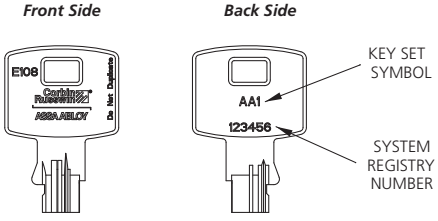
-E4 Suffix

For CK4229 locksets, fixed core and IC, conventional and security. Also for CK4429. Available 5- or 6-pin. Examples: L4-6PIN-51-E4 or L4-6PIN-90-E4.

-E5 Suffix

For obsolete 1429, 3333EM, 4333EM and 5629 key-in-knob locksets. Available 5- and 6-pin. Example: L4-6PIN-51-E5.

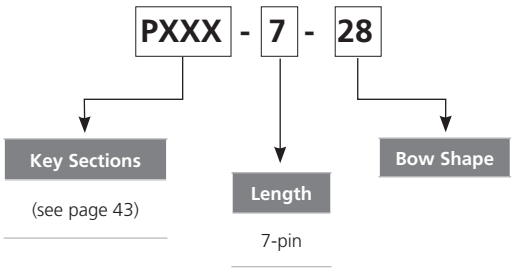
Pyramid Bow



28

Standard bow furnished for all Pyramid keys.

Ordering Example



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Multiplex/Simplex Keyways

Multiplex keyways can be used together to expand a keying system. A simplex keyway is independent, stands alone and cannot be tied into any other keyway to expand a keying system.

All/Multi-Section/Single Section Keys

All/Multi-section keys can be used on more than one cylinder with different sections. For example: a key cut on the L41 multi-section keyblank will pass cylinder in the L1, L2, L3 and L4 keyways. Single section keys can be used with cylinders of the same section. For example: a key cut on the L4 single section keyblank will only pass a cylinder in the L4 keyway.

Active Keyways

Keyways which are available for new Corbin Russwin keying systems are considered active. In the case of new master key systems, the factory reserves the right to select the keyway from a range of standard keyways, based on usage in a particular geographical area.

Inactive Keyways

Many older Corbin Russwin keyways are designated inactive. **No new systems** shall be established on these keyways. However, they continue to be available to support existing keying systems.

Restricted Keyways

For security reasons, these keyway profiles are not shown.

Protected Keyways

Key Systems Administration reserves the final decision as to which protected keyway family will be selected. A notice of acceptance showing the facilities name, address and contact information is required before orders can be processed For security reasons, these keyway profiles are not shown.

Pyramid Keyways

Pyramid keyways are only available for Pyramid cylinders and separate specifications are used from conventional Corbin Russwin keying systems. For security reasons, these keyway profiles are not shown. All new Pyramid systems will require a completed System Information Document (orders cannot be entered without this document). The fully executed original document will be kept on file at Corbin Russwin Key System Administration. For all subsequent orders a letter of authorization will be required if the product is shipped to an address other than what is recorded on the System Information Document and/or if the address on the purchase order is different than what is listed on the System Information Document. Note that Key System Administration will not keep blanket letters of authorization on file.

Bitting Classes

Corbin Russwin has several sets of dimensional standards for bitting (cutting) keys. If the wrong specifications are used when making keys on code machines in the field, they will not operate in conjunction with factory supplied cylinders and keys. The bitting class is given for each group of keyways. All bitting specs are available in the Corbin Russwin cylinder manual.

L Series (Corbin Russwin)

4 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.
Reverse of D Series.

Security

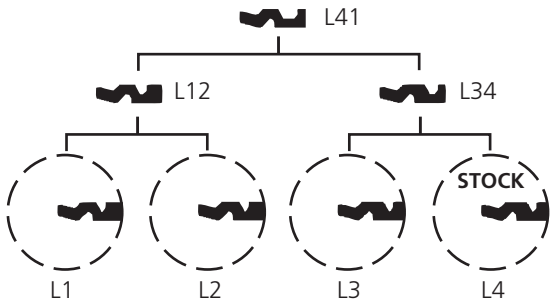


Available

All-Section Key

Multi-Section Key

Cylinder Keyway and Single Section Key



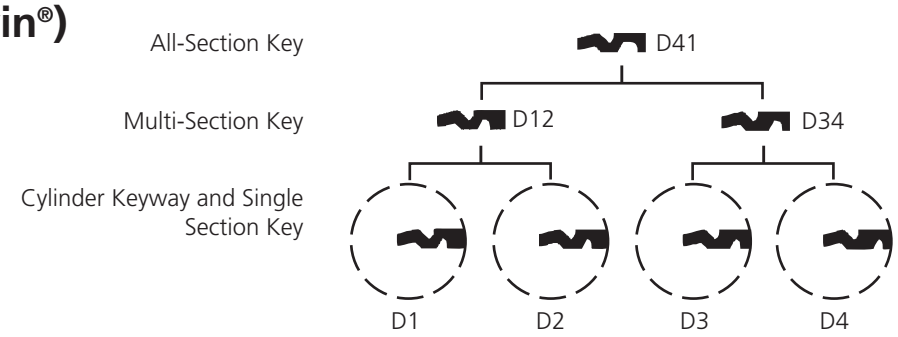
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D Series (Russwin®)

4 keyway multiplex system.
Available 5-, 6- and 7-pin.
DH Class bitting.
Reverse of L Series.

Security

Available

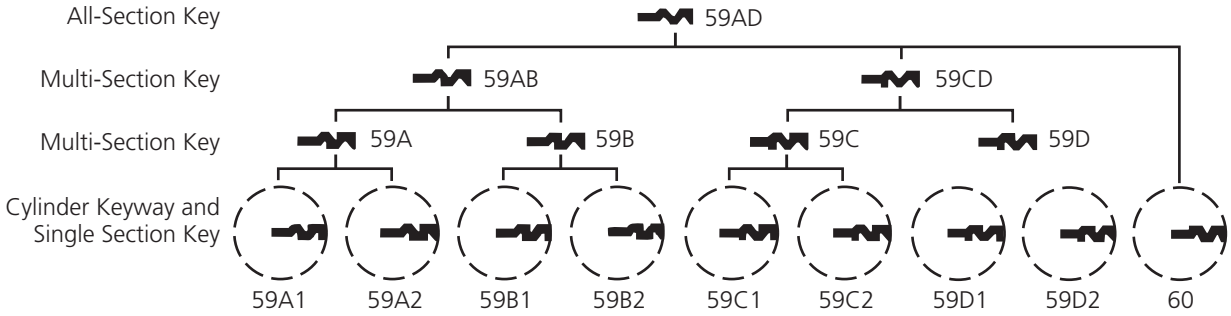


59 Series (Corbin®)

9 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

Security

Available

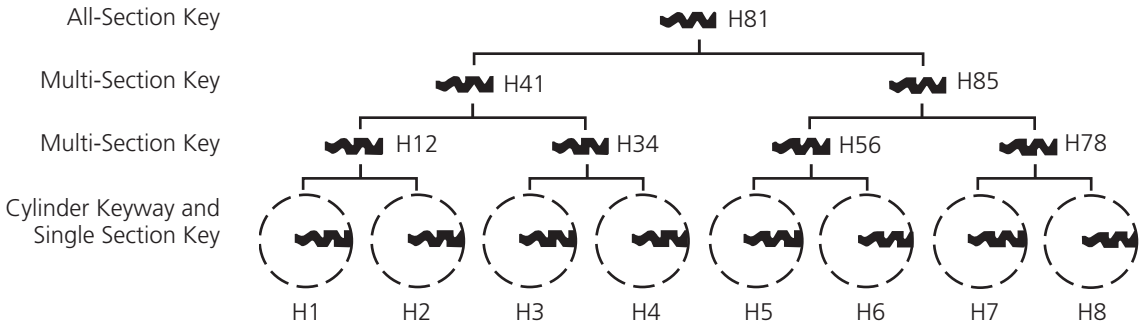


H Series (Russwin)

8 keyway multiplex system.
Available 5-, 6- and 7-pin.
DH Class bitting.

Security

Available



70 Series (Corbin)

Simplex Keyway.
Z Class bitting.
Reverse of 60.

Security

Available



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62 Series (Restricted)

Keyway profiles not shown for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

Security

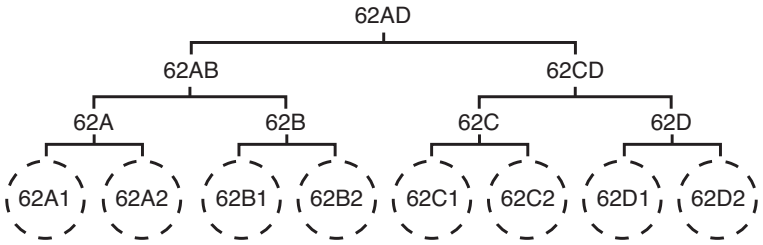
Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cylinder Keyway and Single Section Key



HO Series (Restricted)

Keyway profiles not shown for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
DH Class bitting.

Security

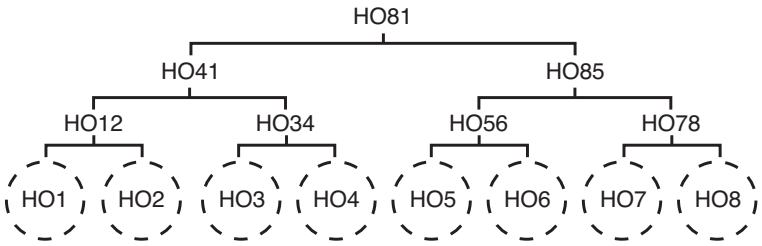
Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cylinder Keyway and Single Section Key



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Keyways

Key Systems

93 Series (Protected)

Keyway profiles not shown
for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

Security

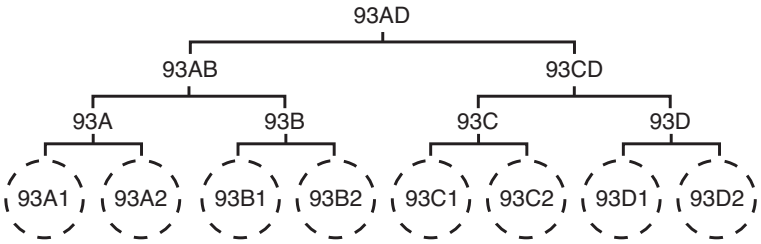
Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cylinder Keyway and
Single Section Key



39 Series (Protected)

Keyway profiles not shown
for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

Security

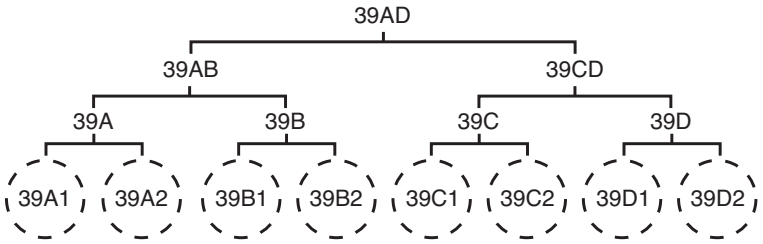
Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cylinder Keyway and
Single Section Key



F Series (Protected)

Keyway profiles not shown
for security reasons.
4 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting

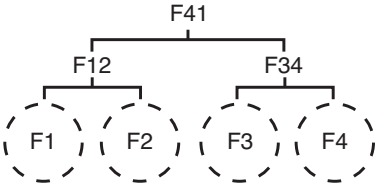
Security

Available

All-Section Key

Multi-Section Key

Cylinder Keyway and
Single Section Key



J Series (Protected)

Keyway profiles not shown
for security reasons.
4 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

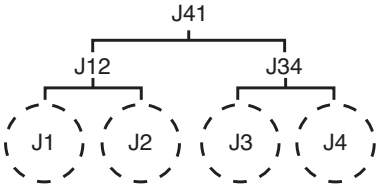
Security

Available

All-Section Key

Multi-Section Key

Cylinder Keyway and
Single Section Key



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57 Series

8 keyway multiplex system.
Available 5-, 6-, and 7-pin.
X Class bitting.

Reverses

57A1	27B2
57A2	27B1
57B1	27A2
57B2	27A1

Security



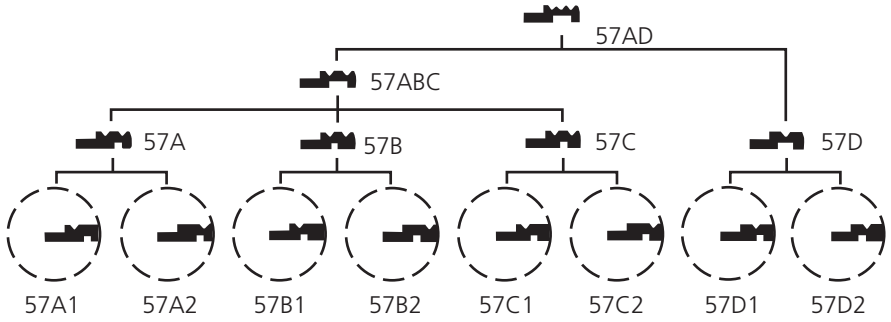
Not Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cyl. Keyway and Single Section Key



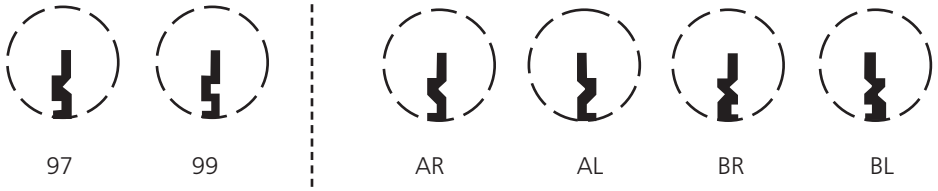
Simplex Keyways

6 independent keyways.
Available 5-, 6- and 7-pin.
X Class bitting.

Security



Not Available



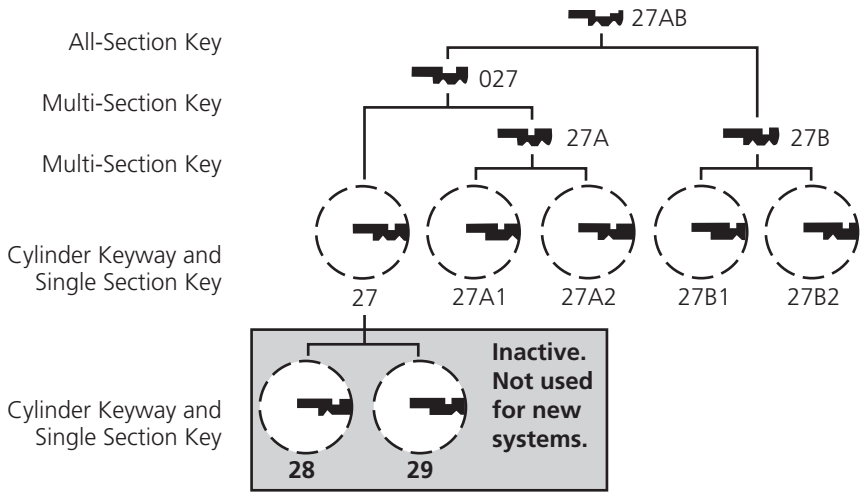
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27 Series

7 keyways total (5 active).
Available 5-, 6- and 7-pin.
X Class bitting.

Reverses

27A1	57B2
27A2	57B1
27B1	57A2
27B2	57A1

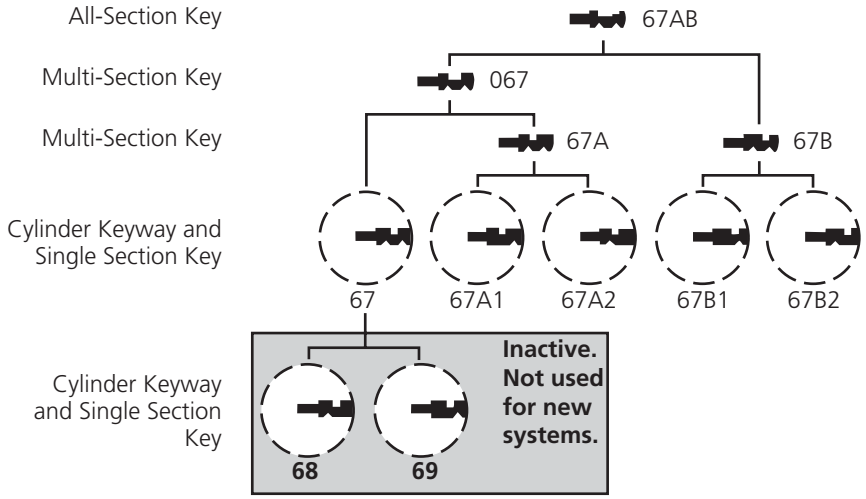


Security

Not Available

67 Series

7 keyways total (5 active).
Available 5-, 6- and 7-pin.
X Class bitting.
Reverse of 77 Series.

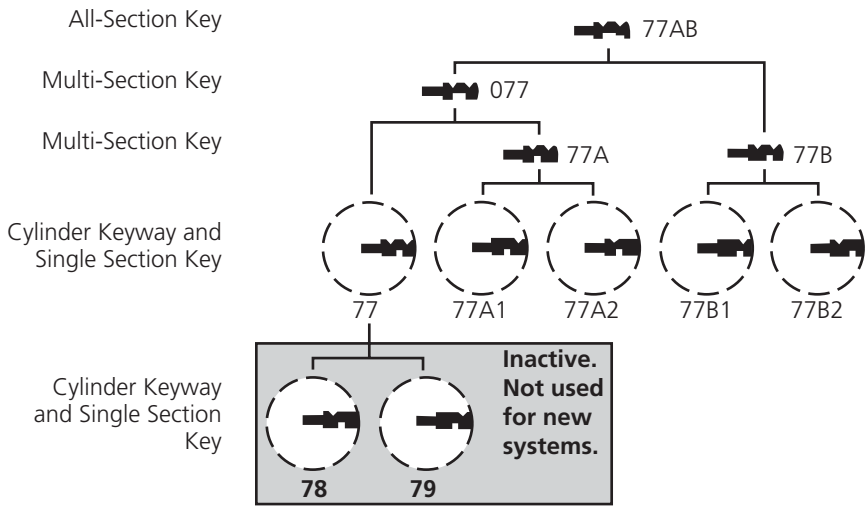


Security

Not Available

77 Series

7 keyways total (5 active).
Available 5-, 6- and 7-pin.
X Class bitting.
Reverse of 67 Series.



Security

Not Available

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981 Series

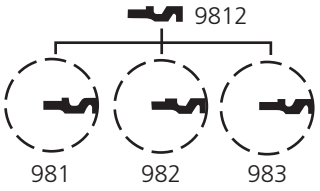
3 keyway multiplex system.
Available 5-, 6- and 7-pin.
981 Class bitting.

Security

Not Available

All-Section Key

Cylinder Keyway and Single Section Key



Former 6-pin Designations	961	962	963
Former 7-pin Designations	971	972	973

N Series (Obverse)

14 keyways total: N1- N14.
Available 5-, 6- and 7-pin.
N Class bitting.

Former Designations

6-pin: 1N-14N
5- and 7-pin: 1K-14K

Security

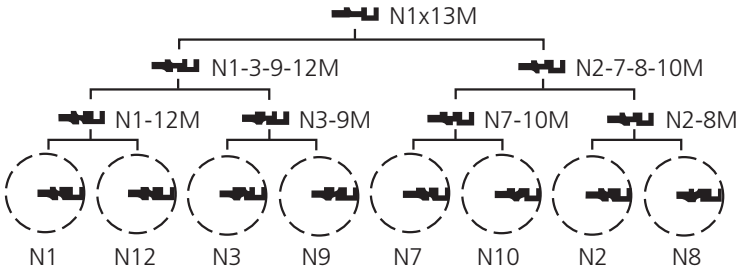
Not Available

All-Section Key

Multi-Section Key

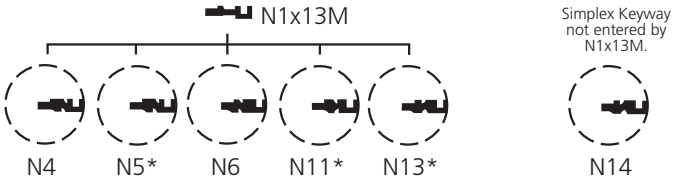
Multi-Section Key

Cylinder Keyway and Single Section Key



All-Section Key

Cylinder Keyway and Single Section Key



*NOTE: Do not use these pairs in the same keying system with each other: N1 with N13; N3 with N5; N7 with N11

N Series (Reverse)

14 keyways total: N15- N28.
Available 5-, 6- and 7-pin.
N Class bitting.

Former Designations

6-pin: 15N-28N
5- and 7-pin: 15K-28K

Security

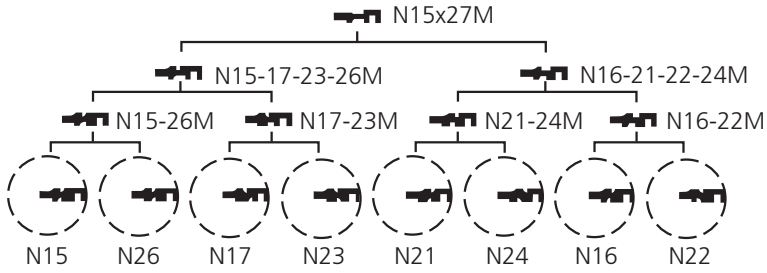
Not Available

All-Section Key

Multi-Section Key

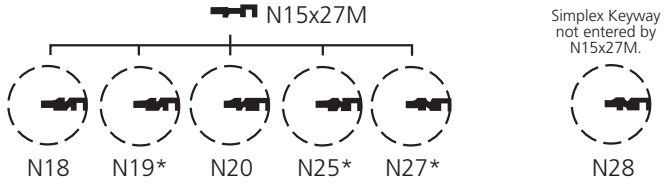
Multi-Section Key

Cylinder Keyway and Single Section Key



All-Section Key

Cylinder Keyway and Single Section Key



***NOTE: Do not use these pairs in the same keying system with each other: N15 with N27; N17 with N19; N21 with N25**

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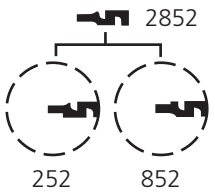
Keyways

Russwin® Inactive

Key Systems

852 Series

2 keyway multiplex system.
5-pin standard, 6-pin special.
Available with 10 Series bows only.
No hotel function cylinders.



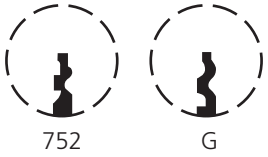
Security

Not Available

Simplex Keyways

5-pin only

752 uses 752 Class bitting
G uses 852 Class bitting
Available with 10 Series bows only.
No hotel function cylinders.



A Series (Obverse)

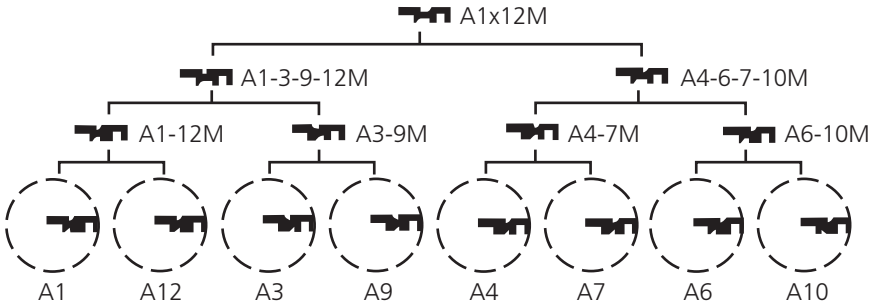
12 keyways: A1-A12.
5-pin standard, 6-pin special.
Available with 10 Series bows only.
A Class bitting.
No hotel function cylinders.

Former Designations
5-pin: 1A-12A
6-pin: 1Z-12Z

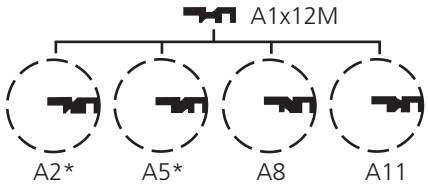
Security

Not Available

All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



All-Section Key
Cylinder Keyway and Single Section Key



* NOTE: Do not use these pairs in the same keying system with each other: A1 with A2; A4 with A5.

A Series (Reverse)

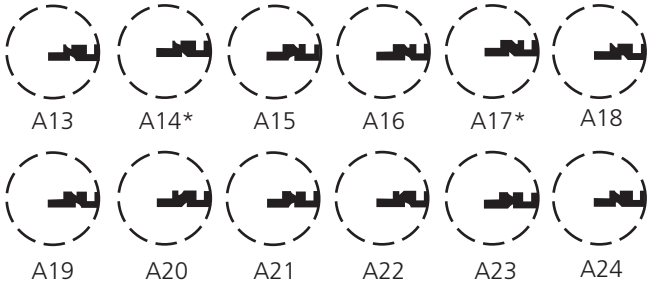
12 keyways: A13-A24.
5-pin standard, 6-pin special.
Available with 10 Series bows only.
A Class bitting.
No hotel function cylinders.

Former Designations
5-pin: 13A-24A
6-pin: 13Z-24Z

Security

Not Available

Cylinder Keyway and Single Section Key



*** NOTE: Do not use these pairs in the same keying system with each other: A13 with A14; A16 with A17.**

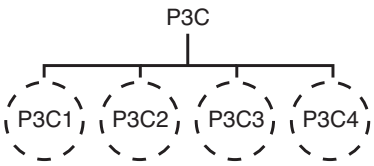
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Pyramid (Protected)

P3C Series

Keyway profiles not shown for security reasons.
4 keyway multiplex

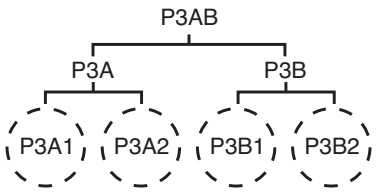
Multi-Section Key
Cylinder Keyway and Single Section Key



P3AB Series

Keyway profiles not shown for security reasons.
4 keyway multiplex

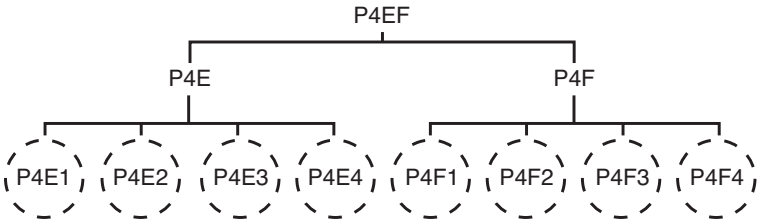
All-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



P4EF Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

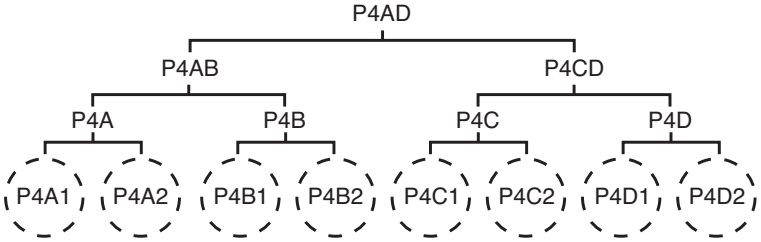
All-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



P4AD Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

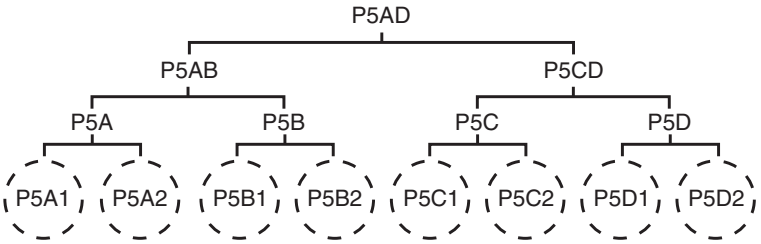
All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



P5AD Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

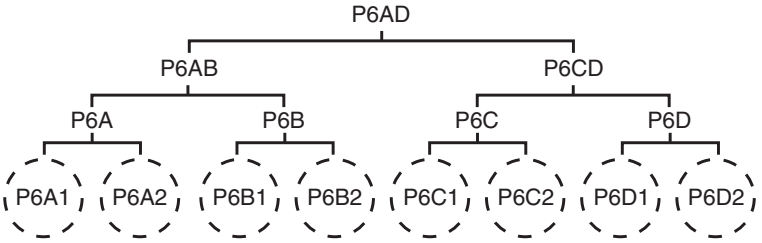
All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



P6AD Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



***Note: Each P6 keyway will have its own unique side pin code locations to be assigned by Key Systems Administration. The side pin code is not available with the other Pyramid keyway families.**

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Mortise Cylinder Cams

Lockset Applications

Key Systems

Cams for current products or models

	Type	Part Number		Model/Description
	A01	Reg. 756F50 IC	Corbin Russwin Arrow®, Marks 5000, PDQ	Steel case mortise locks except classroom and institutional privacy functions. Deadbolt functions of green cast iron case mortise locks. NOT for master ring mortise cylinders. All mortise functions using Cloverleaf cam.
	A02	Reg. 756F51 IC	Corbin Russwin Baldwin Marks	Steel case mortise lock classroom (55), inside of vestibule (42) and institutional privacy (69) functions. Most exit device trims. NOT for master ring mortise cylinders. All mortise locks. 7000, 9000 and most brands of older black cast iron locks.
	A03	Reg. 756F52 IC	Corbin Russwin Adams Rite® Lori	DL3000 Series Cylindrical Deadlocks only. 1800 Series, 4015 Deadlocks; 4500 and 4700 Series Latch Locks. CR4500, CR4600 Series Deadlocks.
	A04	Reg. 756F53 IC	Corbin Russwin	DL4000 Series Mortise Deadlocks only.
	A05	Reg. 756F54 IC	*Adams Rite*	CR4070 Series Deadlocks.
	A06	Reg. 756F55 IC	Schlage®	L9000 Series (Cloverleaf only).
	A07	Reg. 756F56 IC	Corbin Russwin	DL4100 Series Deadbolts
	A61	Reg. 562F40	Corbin Russwin	Mortise Series deadbolt function master ring locks manufactured **since June 10, 1993** (silver case). Adapt earlier (gold case) model to use this cam by installing thumbturn hub 562F41-2.
	A62	Reg. 756F58 IC	Corbin Russwin Corbin Russwin DORMA	Mortise Series Master Ring classroom (55) function and inside of vestibule (42) function mortise locksets. CR900 Series Mullion, CRWS700 Series Mullion (Both KRM) Mortise Locks
	A65	Reg. 025F72	Corbin Russwin	Mortise Series: required for master ring deadbolt functions manufactured **before June 10, 1993** (gold case) and for outside of current vestibule (42) function. Optional for current non-deadbolt functions except classroom (55) and inside of vestibule (42) function.
	A92	Reg. 756F62 IC	Corbin Russwin	Concealed vertical rod exit device outside grip handle operators 01 and 02.

Cams for obsolete Corbin Russwin products or models

 A63	121F01	Corbin Russwin	Black cast iron case master ring mortise locks, except models with 1" throw deadbolt.
 A64	135F19	Corbin Russwin	Black cast iron case master ring mortise locks with 1" throw deadbolt.
 A93	Reg. 281F27 IC 362F43	Corbin Russwin	610 and 1403 Series Cylindrical Deadlocks.

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Standard Collars +

Spring		
	253F97	.150" (5/32")
	249F43	.096" (3/32")
	549F51	.156" (5/32") - Ring only
	549F52	.219" (7/32") - Ring Only
	605F43	.350" (11/32")
	428F66	Packet: 549F52 + 253F97
	429F43	Packet: 549F51 + 249F43

Solid, Recessed for Cylinder Head		
	700F53	.090" (3/32") VR trim, double cylinder 1-1/4"
	261F54	.094" (3/32") x 2-1/4" O.D. for ED6000 with T5, T6, T9, T9M, T10, T10M, T11M trim
	270F15	.156" (5/32"); total projection 9/32"
	598F89*	.156" (5/32"); total projection 9/32"
	447F41*	.031" (1/32"); total projection 1/4"
	447F42*	.172" (11/64"); total projection 25/64"
	610FO1*	.221" (7/32"); total projection 7/16"
	610F02*	.289" (9/32"); total projection 1/2"
	654F07	.350" (11/32"); total projection 15/32"
	447F43*	.375" (3/8"); total projection 19/32"
	609F36*	.500" (1/2"); total projection 23/32"
	609F37*	.650" (21/32"); total projection 7/8"
	609F38*	.850" (27/32"); total projection 1-1/16"
	134F05	.510" (1/2") for ED6800 x B5 or G6 and all ED7400, ED7800 with 1-1/8" cylinder
	267F97	.635" (5/8") for ED6800 x O1 or O2 with 1-1/8" and ED6800 x B5 or G6 and all ED7400, ED7800 with 1-1/4" cylinder
	399F48	.750" (3/4") for ED6800 x O1 or O2 with 1-1/4" cylinder
	654F08	.550" (9/16"); total projection 11/16"

Spacers for Flexible Head Cylinders		
	370F29	.125" (1/8")
	370F31	.250" (1/4")
	252F82	.315" (5/16")

Other Solid Collars		
	416F39*	.172" (11/64") security collar; total projection 13/32"
	686F98*	.172" (11/64") security collar; total projection 13/32" (3 wave washers)
	303F25	.312" (5/16") for 1-1/8" cylinder on aluminum door

Miscellaneous		
	255F53	Rim cylinder, flush mount
	422F88	Rim cylinder, surface mount
	197F34	Wave washer

*** Number includes wave washer in packet**

+ Refer to corresponding parts and service manuals for correct cylinder collar applications and selection guide

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Cylinder Accessories

Collars and Master Ring Adapter

Key Systems

Master Ring Collars +

Solid, Recessed for Cylinder Head		
	447F44*	.031" (1/32"); total projection 1/4"
	447F45*	.172" (11/64"); total projection 25/64"
	447F46*	.375" (3/8"); total projection 19/32"
	699F81*	.505" (1/2"); total projection 23/32"
	261F55	.094" (3/32") X 2-1/4" O.D. for ED6000 with T5, T6, T9, T9M, T10, T10M, T11M trim
Spacers for Flexible Head Cylinders		
	366F70	.090" (3/32") tapered
	370F33	.094" (3/32")
	370F35	.281" (9/32")
Miscellaneous		
	255F54	Rim cylinder, flush mount
	197F35	Wave washer

*** Number includes wave washer in packet**

+ Refer to corresponding parts and service manuals for correct cylinder collar applications and selection guide

Master Ring Adapter



For installing standard diameter mortise cylinder in master ring lockset.
Specify 522F93-2.
Order cam separately. See page 40.

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Collars

- 1-3/4" (44mm) thick door. For other door thicknesses and trim considerations, contact Corbin Russwin Technical Product Support.
- Mortise Cylinders – 1-1/4" (32mm) length



	Spring	Solid								Surface Mount
	605F43 (.350)	447F41 (.030)	700F53 (.090)	270F15 (.156)	598F89 (.156)	447F42 (.172)	610F02 (.289)	447F43 (.375)	654F07 (.350)	267F97 (.635)	422F88 (.000)
Mortise Cylinder											
High Security Separately (1020, 1030)							X				
Security Separately (1027, 1037)	X										
Mortise Lock											
Single Cylinder											
Sectional							X				
N Escutcheon					X						
P Escutcheon					X						
M Escutcheon					X						
L & R Escutcheon		X									
T Escutcheon (no collar required)											
Double Cylinder											
Sectional								X			
N Escutcheon							X				
P Escutcheon							X				
M Escutcheon							X				
L & R Escutcheon						X					
T Escutcheon						X					
V Escutcheon			X								
Auxiliary Locks											
DL4011, 4013, 4017						X					
DL4012								X			
Rim Cylinder											
High Security Separately (CR3020, CR3030)											X
Security Separately (CR3027, CR3037)											X
Exit Devices											
ED4000-5000 Series											
700 Trim, F2, F3, T13, P9									X		
K1				X							
700M Trim, F2M, F3M, T13M							X				
900 Trim											X
Cylinder Dogging				X							
ED6000 Series											
N3, G4, T3				X							
N4M, G5M											X
T7M, T9M					X						
ED7000 Series											
P4, P6, P7		X									
C4, 03, 05										X	
T11				X							
ED8000 Series											
KO											X
F1, P1, P2 (no collar required)											

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Corbin Russwin
ASSA ABLOY

Plug Diameters/Quick Codes

Key Systems

Corbin Russwin Cylinder Plug Diameters

When combinating Corbin Russwin cylinders, the diameter of the plug determines the set of bottom pin and build-up pin lengths to use. The plug diameter is either .509" or .552". All Pyramid cylinders have a plug diameter of .496" and have their own pin kit. Current Corbin Russwin cylinder plug diameters are listed below by product series. Before 1983, however, all Corbin® X Class cylinders used .509" diameter plugs.

CL3200 Series*	Security Bolt	.509"	1400/4300 Series (obsolete)	Cylindrical	.552"
CL3100, CL3300 CL3500, CL3800 Series	Cylindrical	.509"	Pyramid Series	All	.496"
CL3400 & CL3600 Series*	Cylindrical	.509"			
CL3700 Series*	Cylindrical	.509"	Mortise Cylinders		.552"
CL3900 Series*	Cylindrical	.509"	Rim Cylinders		.552"
CK4200* CL3500, CL3800 Series	Cylindrical	.552"	Interchangeable Cores		.509"
CK4300 & CK4400 Series	Cylindrical	.509"	Padlocks		.509"
CK4700 Series	Cylindrical	.509"	Competitors' Key-in-Lever/Knob		.552"
UT5200 Series	Unit Lock	.552"	Security, all cylinders		.552"
DL2200 Series	Deadlock	.509"	Exit Devices, except IC		.552"
DL3000 Series	Deadlock	.552"	A6/N6/PR6 trim and obsolete		.509"
DL3200 Series	Deadlock	.509"	NS/AS trim		.509"

Cylinder Options

Description	Quick Code
IC 6-pin with temporary construction core (Red) IC 6-pin with temporary construction core (Blue) IC 6-pin with temporary construction core (Green)	CT6R CT6B CT6G
IC 6-pin with disposable temporary core	CT6D
IC 6-pin with SFIC disposable temporary core[1] (Mortise)	CT6SD[1]
IC 6-pin with small format temporary disposable core	CTSD
IC 7-pin with temporary construction core (Red) IC 7-pin with temporary construction core (Blue) IC 7-pin with temporary construction core (Green)	CT7R CT7B CT7G
IC 7-pin with disposable temporary core	CT7D
IC 7-pin with SFIC disposable temporary core[1] (Mortise)	CT7SD[1]
Pyramid with temporary construction core	CTP
Pyramid with disposable temporary core	CTPD
SFIC 6-pin with less core (rim and mortise)	CLS6
SFIC 7-pin with less core (rim and mortise)	CLS7
Bump-resistant cylinders	BRP

Keying Options

Description	Quick Code
0-bitted with 2 blank keys (except HS, CHS)	(standard)[5]
Keyed random	KR
Keyed alike	KA
Keyed to specific bitting (specify bitting)	KS
Uncombinated (Keys not provided)	UC[4]
Construction master keyed	CMK (Not available with interchangeable core)

Key Quantity Options

2 change keys per cylinder[2]	(standard)[2]
Other than 2 change keys per cylinder (i.e. customer requests 6 change keys per cylinder)	KY# (i.e., KY6)
No change keys	KY0
Master keys (if required)[3]	Specify Qty.
Control keys (if required)[3]	Specify Qty.
CMK keys (if required)[3]	Specify Qty.
CMK control keys (if required)[3]	Specify Qty.
SKD control keys (if required)[3]	Specify Qty.
Special purpose keys, i.e., ENG (if required)[3]	Specify Qty.

[1]Corbin Russwin does not furnish permanent SFIC cores
[2]Keys shipped separately for security and Pyramid master keyed cylinders
[3]Order as cut keys
[4]Pyramid High Security and Master Ring cylinder not available UC
[5]Pyramid cylinders are not available 0-bitted
*Discontinued

Collar Options - Mortise and Rim Cylinders Only

Description	Quick Code
Collar packet (549F52 + 253F97)	428F66
Rim collar, flush mount	255F53
Rim collar, flush mount (master ring)	255F54
Rim collar, surface mount (standard for rim cylinders)	422F88
Solid collar - .030	447F41
Solid collar - .031 (master ring)	447F44
Solid collar - .090 (VR trim only)	700F53
Solid collar - .094	261F54
Solid collar - .094 (master ring)	261F55
Solid collar - .156	270F15
Solid collar - .156	598F89
Solid collar - .172 (tapered security collar)	416F39
Solid collar - .172	447F42
Solid collar - .172 (master ring- standard for MR 118 cylinders)	447F45
Solid collar - .221	610F01
Solid collar - .289	610F02
Solid collar - .312	303F25
Solid collar - .350	654F07
Solid collar - .375	447F43
Solid collar - .375 (master ring)	447F46
Solid collar - .500	609F36
Solid collar - .510	134F05
Solid collar - .550	654F08
Solid collar - .635	267F97
Solid collar - .650	609F37
Solid collar - .749	399F47
Solid collar - .850	609F38
Spacer for flexible head cylinders - .125	370F29
Spacer for flexible head cylinders - .250	370F31
Spacer for flexible head cylinders - .315	252F82
Spacer for flexible head master ring cylinders - .094	370F33
Spacer for flexible head master ring cylinders - .281	370F35
Spacer for flexible head master ring cylinders (tapered) - .090	366F70
Spring collar - .150 (standard for 118 cylinders)	253F97
Spring collar - .219	549F52
Spring collar - .350 (standard for 114 cylinders)	605F43

Experience a safer and more open world

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45078 6/19

Quick Codes/How to Order

Key Systems

Stamping Options*

Description	Quick Code
Keys stamped with bitting number	(standard)
No keyset or bitting stamping on keys	VKC0
Keys only stamped with keyset (standard for HS, CHS, PS, PHS, PCS, PCHS)	VKC1
Keys stamped with keyset, cylinders stamped with keyset on face of plug - not available for HS, CHS, PS, PHS, PCS, PCHS	VKC2
Keys stamped with bitting, cylinders stamped with keyset on face of plug - not available for HS, CHS, PS, PHS, PCS, PCHS	VKC3
Keys stamped with keyset, cylinders stamped with keyset in concealed location	CKC2
Keys stamped with bitting, cylinders stamped with keyset in concealed location- not available for HS, CHS, PS, PHS, PCS, PCHS	CKC3
Less Trade Mark (No Corbin Russwin logo on cylinders)	LTM

*see page 6 for detailed descriptions

KeyBow Options

Description	Quick Code
Corbin Russwin logo	(standard)
Plain both sides	KB11
Do Not Duplicate	KB12
US Property Do Not Duplicate	KB13
Protected Do Not Duplicate (only for protected keyways)	KB19
Restricted Do Not Duplicate (only for restricted keyways)	KB19
Pyramid (only for Pyramid keys)	KB28
Large bow, plain both sides	KB51
Large bow, Do Not Duplicate	KB52
Large bow, US Property Do Not Duplicate	KB53
Large bow, protected Do Not Duplicate (only for protected keyways)	KB19
Large bow, Restricted Do Not Duplicate (only for restricted keyways)	KB59
Security bow Corbin Russwin logo (only for security keys)	KB90
Security bow plain both sides (only for security keys)	KB91
Security bow, Do Not Duplicate (only for security keys)	KB92
Security bow, US Property Do Not Duplicate (only for security keys)	KB93
Security bow, protected Do Not Duplicate (only for security keys, protected keyways)	KB99
Security bow, Restricted Do Not Duplicate (only for security, restricted keyways)	KB99

How to Order Cylinders

Mortise Separately

Keyset	Cylinder	Length	Cam	Pins	Keyway	Finish
AA1	CR1000	118	A01	7	L4	626

Rim Separately

Keyset	Cylinder	Length	Pins	Keyway	Finish
AA1	CR3000	058	7	L4	626

Key-in-Lever/Knob Separately

Keyset	Cylinder	Lockset Series	Pins	Keyway	Finish
AA1	CR2000	033	7	L4	626

IC Cores Separately

Keyset	Cylinder	Pins	Keyway	Finish
AA1	CR8000	7	L4	626

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Service Equipment

Pin Kits

Key Systems

Single System Pin Kits

For the end user with one Corbin Russwin System 70 keying system to maintain. Each kit has all pins necessary to combinate interchangeable core and master ring cylinders, as well as conventional cylinders (both .509" and .552" plug diameters). Furnished in a handsomely finished hardwood case with combinating instructions on the inside of the lid. Includes key gauge, tweezers and both diameter plug followers.

PK-70-ZDH

For pinning all types of cylinders (except security) with Z Class keyways: 59, D, H and L Series, plus 60, 70 and restricted/ protected keyways using System 70 depths (1-6).

PK-70-X

For pinning all types of cylinders with X Class keyways: 27, 57, 67 and 77 Series, plus AR, BR, BL, 97 and 99 using System 70 depths (1-6).

PK-70-N

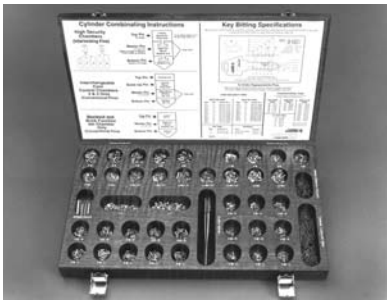
For pinning all types of cylinders with N Class keyways: N1-N28 using System 70 depths (1-6).



PK-70-ZDH
PK-70-X
PK-70-N

Security Pin Kit
PK-70-HS

For security cylinders, including interchangeable core, Brink and blockout function. Furnished in a handsomely finished hardwood case with combinating instructions on the inside of the lid. Includes tweezers.

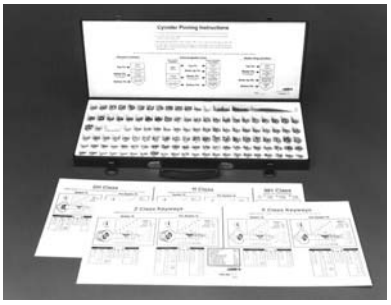


PK-70-HS

Deluxe Pin Kit
PK-1070

Ideal for locksmiths and distributor service personnel who must service a variety of Corbin Russwin keying systems. Also for end users with Pre-System 70 keying systems.

Contains all pins required to combinate standard, IC and master ring cylinders. Accommodates System 70 and non-System 70 for both plug diameters and all key classes. Furnished in a reinforced steel case with combinating instructions on the inside of the lid. A separate, removable, two-sided chart contains pin lengths for all modern key classes. Includes tweezers and both diameter plug followers.



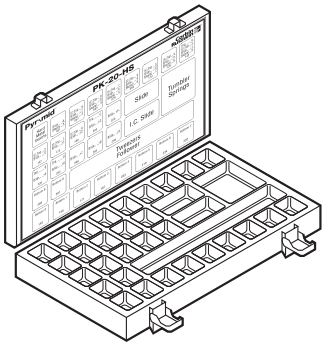
PK-1070

PK-20-HS

Each pin kit has all the pins necessary to combinate standard and interchangeable core Pyramid High Security cylinders. Includes tweezers, plug follower, key gauge and combinating instructions.

PK-20-PS

Each pin kit has all the pins necessary to combinate standard and interchangeable core Pyramid Security Cylinders. Includes tweezers, plug follower, key gauge and combinating instructions.



PK-20-HS

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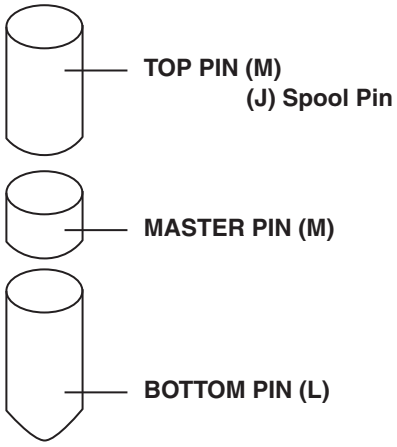
Replacement Pin for Kits

For a complete listing of all Cylinder Components, refer to Cylinder/Owner's Manuals.

How to Order Conventional Pins

Suffix 3-digit length in thousandths of an inch to base number.
Example: .160" bottom pin is 553F484-160.

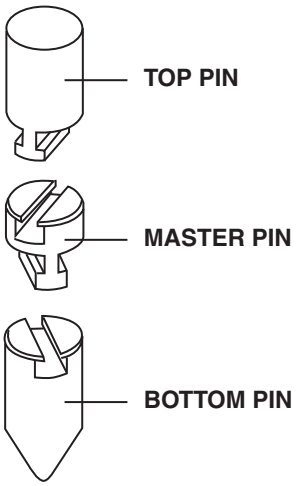
Description		Number
Specify quantity of vials (100 pins/vial):		
	Bottom Pins (L Series)	553F48-4 + length
	Master/Top/Build-up Pins	553F49-2 + length
	(M Series)	
	Spool Top Pins (J Series)	553F50-2 + length
Specify quantity of vials (1500 balls/vial):		
	Construction Balls	546F97-8
• Pins are packaged in a secure, spill-proof plastic vial with hinged top.		
• 12 vials per master carton.		



How to Order Security Pins

Replace the "x" in the part number with the pin's skew number.
Bottom pins use skews **L** (1) and **R** (2).
Master pins use skews **L** (1), **R** (2) and **S** (3).
Example: #2 master pin with S skew is 407T334-097.

Description		Number
Specify quantity of pins (must be multiple of 20):		
	Bottom Pin, #2	407T4x4-242
	Bottom Pin, #3	407T4x4-270
	Bottom Pin, #4	407T4x4-298
	Bottom Pin, #5	407T4x4-326
	Bottom Pin, #6	407T4x4-354
	Master Pin, #2	407T3x4-097
	Master Pin, #3	407T3x4-125
	Master Pin, #4	407T3x4-153
	Top Pin #1 (long)	407T43-4193
	Top Pin #2 (short)	407T43-4158



How to Order Pyramid Security Pins

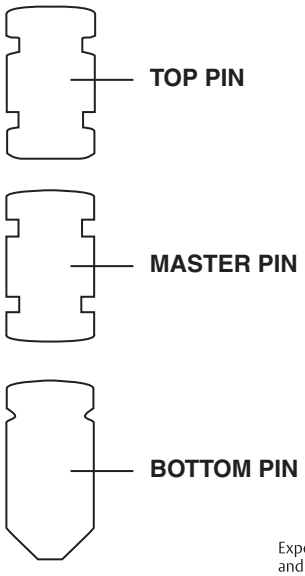
Suffix 3-digit length in thousandths of an inch to base number.

Description		Number
Specify quantity of vials (100 pins/vial):		
	Bottom Pins (Nickel Silver)	695F244 + length
	Master/Build-up Pins/Top	695F252 + length
	(Brass)	

How to Order Pyramid High Security Pins

Suffix 3-digit length in thousandths of an inch to base number.

Description		Number
Specify quantity of vials (100 pins/vial):		
	Bottom Pins (Stainless Steel)	695F247 + length
	Master/Build-up Pins/Top	695F257 + length
	(Stainless Steel)	



How to Order Pyramid Bump Resistant Pins

Description		Number
Specify quantity of vials (100 pins/vial):		
	Size A	628F107142
	Size C	628F107236

How to Order Pyramid P6 Side Pins

Description		Number
Specify quantity of vials (20 pins/vial):		
	P6 Side Pin	630F494

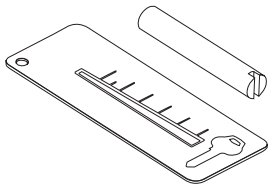
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Service Equipment

Replacement Pin for Kits

Key Systems

Cylinder Tool Kit No. CT-93



Kit No. CT-93 contains the following items (also available separately):

CT-4	Follower for 509" diameter plugs
CT-11	Key gauge for Corbin® X and Z Class System 70 and pre-System 70
CT-19	Tweezers
CT-21	Key gauge for Russwin® N Class System 70 and pre-System 70
CT-22	Key gauge for Russwin DH Class System 70 and pre-System 70
CT-23	Key gauge for Russwin 981 and 852 Classes
CT-54	Follower for .552" diameter plugs

Pyramid Tools

CT-20	Pyramid plug follower (.495" diameter)
CT-20K	Key Gauge for Pyramid

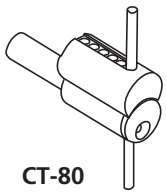
Other Tools

CT-5	Pin Chamber Reamer
CT-7	Pin Chamber Burring Tool
CT-10	Loading tool for CK4400 Series and IC cylinder shells

Cylinder Installation Wrench No. CT-80

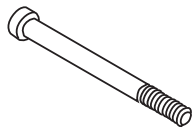
CT-80 is for interchangeable core mortise cylinders. It is used to:

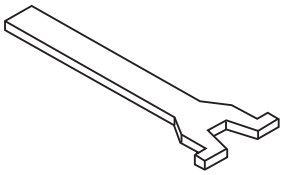
- Install and remove Corbin Russwin interchangeable core mortise cylinder housing without marring cylinder scalp finish.
- Test cam operation before fastening the mortise cylinder set screw.
- Align the pins of the throw member before installing the core.

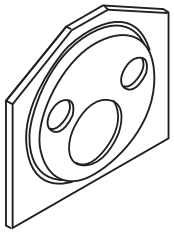


CT-80

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Screws	
438F41 -8	Cam screw, mortise cylinder and RFC padlocks
438F42-8	Cam screw, IC mortise cylinder
488F08-8	Mortise cylinder set screw packet (1 screw), standard cylinder size
488F10-8	Mortise cylinder set screw packet (1 screw), master ring
021F68-8	Rim cylinder mounting screw, 2-9/32" long for 1-3/8" - 2-1/2" doors
021F71-8	Rim cylinder mounting screw, 3-1/8" long for 2-3/4" - 3-1/2" doors
Disposable Core 10 Packs	
627F00-9	Corbin Russwin LFIC
707F21-9	Corbin Russwin SFIC
Tailpieces	
655F00-8	5/8" horizontal for rim cylinder CR3000-058
655F01-8	5/8" horizontal for IC rim cylinder CR3080-058
582F29-8	1-1/4" horizontal for IC rim cylinder CR3080-114
490F55-8	1-3/8" horizontal for rim cylinder CR3000-138
253F85-8	1-7/8" horizontal for IC rim cylinder CR3080-178
483F09-8	1-7/8" vertical for IC rim cylinder CR3080-178V
253F76-8	2" horizontal for rim cylinder CR3000-200
413F48-8	2" vertical for rim cylinder CR3000-200V
284F13-8	3-1/8" horizontal for IC rim cylinder CR3080-318
253F77-8	3-1/2" horizontal for rim cylinder CR3000-312
413F49-8	3-1/2" vertical for rim cylinder CR3000-312V
778F778	For CR2000-031 & CR2000-031H cylinders
778F768	For CR2000-031-7 & CR2000-031H-7 cylinders
622F30-8	For CR2000-033 & CR2000-034-7 cylinders
622F29-8	For CR2000-034-6 cylinder
682F29-8	For CR2000-037 & CR2000-033-7 cylinders
596F89-8	For CR2000-038 cylinder
489F02-8	For CR2000-051 cylinder
680F60-8	For CR2000-039 cylinder
681F60-8	ForCR 2000-039L cylinder
Rim Cylinder Back Plates	
253F75-8	For standard and Pyramid rim cylinders
135F10-8	For master ring rim cylinders
Retainers	
173F79-8	.020" thick for CR2001 -051 cylinder
368F91-8	.030" thick for rim, CR2200, CR2210 & CR3000 Series cylinders
488F92-8	.032" thick for CK4200 and 1400/4300 Series locks
333F99-7	For CK4400 Series Locks, 4300 Series Cylinders, 8000 cores and Pyramid
655F41-5	For CR3080 IC rim cylinder
680F64-5	Threaded cap for CR2000-033, 034, 037, 039, Security & Pyramid KIL cylinders
585F31-2	Cap pin for above
Springs (Ordered in multiples of 100)	
585F32-7	For CR2000-033, 034, 037, 039, Security & Pyramid KIL cap pin)
792F997	IC Conventional & Security
603F20-7	Fixed Core Conventional & Security
026F75-7	Hotel Mortise blocking pin
697F50-7	All Pyramid Cylinders
314F98-7	For CR2001-034 indicator
Spring Covers	
217F42-2	5-pin brass (Rim/Mortise/IC)
217F44-2	6-pin brass (Rim/Mortise/IC/Pyramid IC)
314F88-7	6-pin stainless (2000 Series Knob/Lever)
217F43-2	7-pin brass (Rim/Mortise/IC/Pyramid Rim & Mortise)
585F39-7	7-pin stainless (2000 Series Lever/Pyramid KIL/KIK)
411F092	Pyramid KIL/KIK for other manufacturers products (2200 Series)

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Corbin Russwin
ASSA ABLOY

Policies and Procedures

Key Systems

Procedures

Corbin Russwin keying systems utilize the Standard Key Coding System illustrated on the following pages. To ensure prompt and accurate processing, purchase orders should be written using these key symbols to describe each master keyed item.
In addition to the key symbol, Corbin Russwin requires the following information on the keying system for ALL orders:

- End User (job) Name
- City, State, Zip Code
- Special key bows or key stamping
- VKC/CKC requirements (see page 6)

New Systems or New Branches of Existing Systems

Indicate system expansion in terms of estimated numbers of key combinations, not doors. All of this information is essential at the inception of a keying system in order for Corbin Russwin to ensure accommodation of the end user's present and future needs. Advise as follows:

- How many levels of keying?
- Plan for a construction master key?
- Any selective master keys, such as ENG?
- How many changes for each master?
- How many masters for each grand master? If mixing Corbin Russwin cylinder types, indicate clearly where each type of cylinder will be used within the expansion parameters:
  - Which masters or grands have security cylinders under them?
  - Which have interchangeable cores?
  - Which have master ring?
  - Which have conventional cylinders?

Existing System Add-Ons

For prompt processing, orders must include a positive identification for the keying system in addition to the job name, city, state and zip code. Any ONE of the following is positive ID:

- Registry number stamped on any existing factory master key
- Previous factory order number together with the year of that order

Letters of Authorization

No letter is needed when the items are to be drop shipped directly to the end user. In all other cases, to preserve the security of the end user's keying system, Corbin Russwin requires a letter of authorization on the end user's letterhead to obtain the following:

- Bitting lists
- Security blanks and cut keys
- Master level cut keys
- Protected key blanks, cylinders and plugs
- Pyramid key blanks, cylinders, and plugs

The letter of authorization can be brief but should include a specific description of what is being authorized for release, and a positive key system identification.

XYZ Corporation

1 Main St.
Anytown, USA 00001
(203) 555-5555

(Current Date)

Corbin Russwin Architectural Hardware
Key Systems Dept.

We authorize Acme Distributors to obtain a copy of the bitting list for our keying system GGMX5555. We also authorize them to order the quantities of master keys on our attached purchase order 1234AB.

Sincerely,

Gordon Morris
Security Director

Pyramid Key Discard Policy

It is essential that cut keys and key blank distribution policies and procedures be maintained and enforced for all Pyramid products.

Authorized Pyramid Distributors

Pyramid is a system-based product. An authorized distributor can stock Pyramid upon specific written authorization from the primary systems administrator of the facility. Authorized distributors have the ability to receive product, key product, cut keys and distribute the product to the facility.

Authorized Pyramid distributors who carry inventory for a specific system must provide valid receipts and disbursements of all Pyramid products, specifically key blanks/cut keys. All Pyramid key blanks to be maintained in the possession of an authorized Pyramid distributor must be accounted for. Any defective, incorrectly cut or damaged Pyramid key blanks must be retained in the distributor's possession to be reviewed and collected by a representative of ASSA ABLOY Door Security Solutions.

Pyramid Primary System Administrators

Any defective, incorrectly cut or damaged Pyramid key blank must be destroyed.

Pyramid Key Warranty

Pyramid key blanks are covered by a 5-year warranty as outlined in the current list price book.

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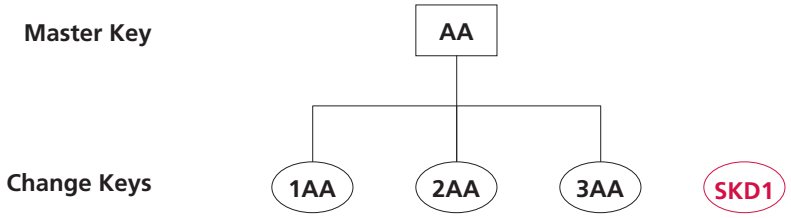
How to Establish Key Systems

Key Systems

To Specify a Simple Master Key System (2 Levels of Keying)

The master key symbol consists of TWO letters, such as **AA**. The change key numbers are added to the master key letters. The numbers come FIRST: **1AA**, **2AA**, **3AA**, etc.

When locks are required which are not operated by the master key or other change keys in the system, they are referred to as "single keyed" and given symbols **SKD1**, **SKD2**, etc. When all higher levels of master keys are to be disallowed, suffix (**NMK**) to the symbol of the key which is to operate. This means "not master keyed." Cylinder 1AA(**NMK**) is operated by **1AA** only. The **AA** master is blocked from operation.



To Specify a Grand Master Key System (3 Levels of Keying)

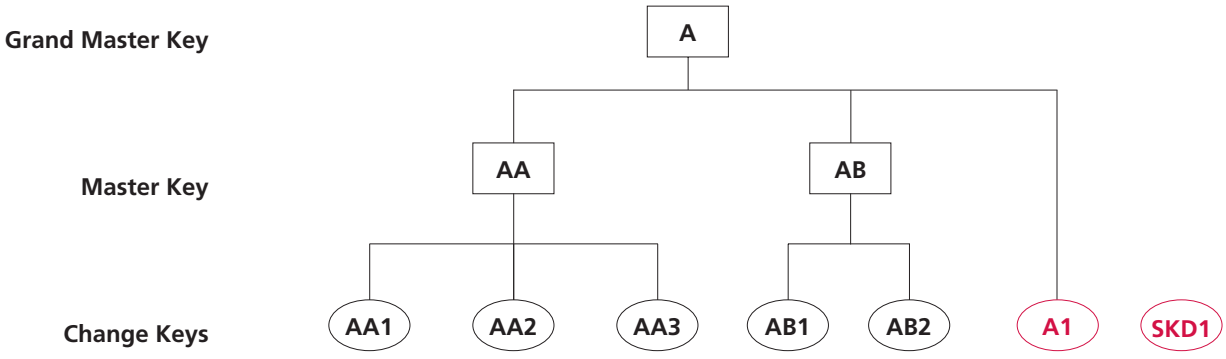
The grand master is assigned any ONE letter, such as A. The master keys under this grand are assigned TWO letters, the first of which must be the same as the grand: **AA**, **AB**, **AC**, etc. are all masters under grand **A**. Masters **BA**, **BB**, **BC**, etc., are all under grand **B**. Caution: Do not use the letters **I**, **O** or **Q** because of possible confusion with the numerals 1 and 0, respectively. Also do not use the letter **X** due to confusion with cross keying. Change key numbers come after the letters.

For master keys beyond **AZ**, insert a numeral between the letters to designate which pass through the alphabet they represent. **A2A** through **A2Z** represents the second pass of masters under grand **A**. **A3A** through **A3Z** would be the third. Change keys under these masters have the numbers suffixed in the usual way: **A2A1**, **A2A50**, etc.

If the cylinder is to be operated by its change key and nothing lower than the single lettered GMK, the change number is added to the GMK symbol. This is illustrated by the example **A1** in the schematic shown.

When locks are required which are not operated by ANY master keys or other change keys in the system, they are referred to as "single keyed" and given symbols **SKD1**, **SKD2**, etc.

When all higher levels of master keys are to be disallowed, suffix (**NMK**) to the symbol of the key which is to operate. This means "not master keyed" and can be applied to any level in the system. Cylinder **AA1** (**NMK**) is operated by **AA1** only. The **AA** master and **A** grand are blocked from operation. Cylinder **AA** (**NMK**) would be operated by the **AA** master only. Grand **A** does not operate.



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How to Establish Key Systems

4-Level Systems

Key Systems

To Specify a Great Grand Master Key System (4 Levels of Keying)

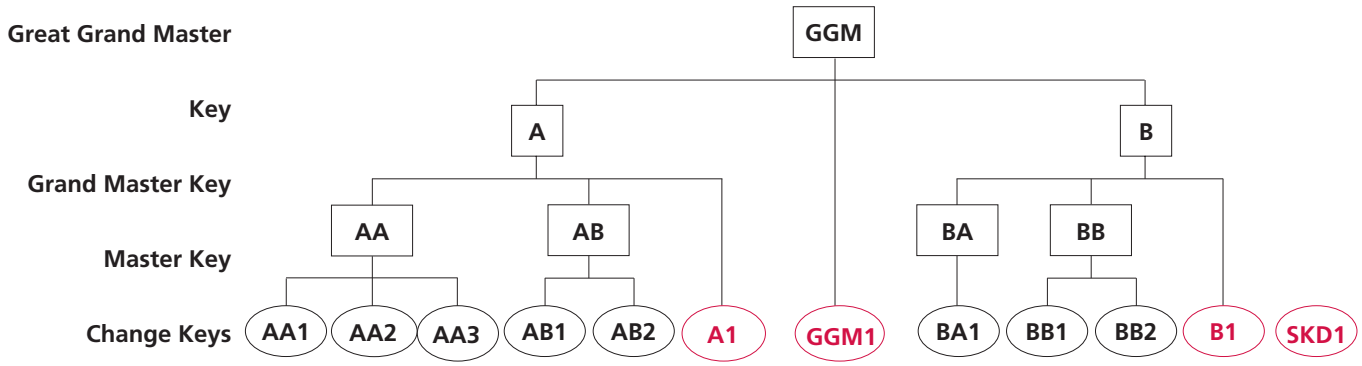
The great grand master key is assigned the symbol **GGM**. The rest of the symbols are the same as those in 3-level systems: The GMKs are assigned single letters, e.g., **A**, **B**, **C**, **D**, etc. Caution: Never use **X** for a grand master key due to the confusion which will result with cross keying symbols presented on page 52.

Masters under each GMK are assigned two letters, the first of which is the same as its respective grand master key. Change key numbers come *after* the letters. Changes under the grand (**A1**, **B1**, etc.) and masters beyond **AZ** are handled exactly as in the 3-level system already described.

Changes directly under a grand are also handled as illustrated in the 3-level system. For changes directly under the **GGM** with no intermediate level masters, the change number is added directly to **GGM** as shown by the example **GGM1** in the schematic.

When locks are required which are not operated by ANY master keys or other change keys in the system, they are referred to as "single keyed" and given symbols **SKD1**, SKD2, etc.

When all higher levels of master keys are to be disallowed, suffix (**NMK**) to the symbol of the key which is to operate. This means "not master keyed" and can be applied to any level in the system. Cylinder **AA1** (**NMK**) is operated by **AA1** only. The **AA** master, **A** grand and **GGM** are all blocked from operation. Cylinder **AA** (**NMK**) is operated by the **AA** master only. Grand **A** and the **GGM** do not operate. Cylinder **A** (**NMK**) would be operated by the **A** grand only, without the **GGM**.



Selective Master Keys

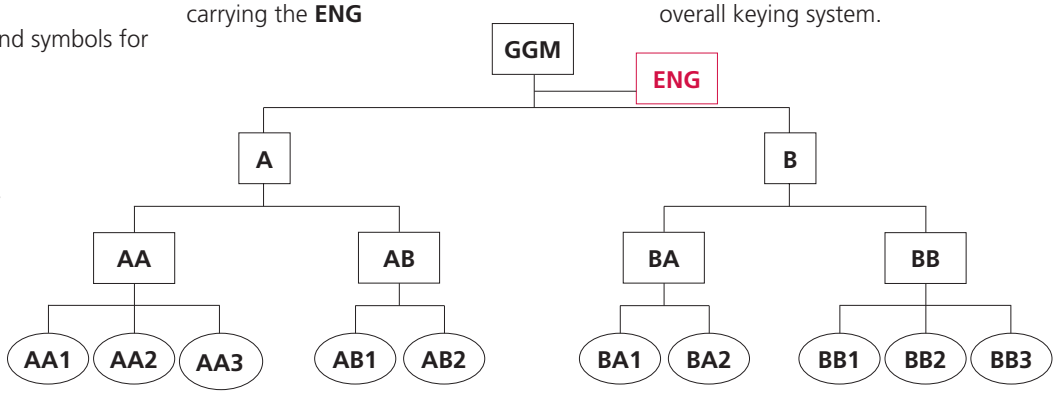
It is often useful in large keying systems to issue a high level master key to maintenance personnel which allows access across all master and grand master key boundaries of a keying system. A selective master key is usually very close to the system's top master key, both physically and through its realm of access. Nevertheless, it must be blocked from operating in many areas.

The most common names and symbols for selective master keys are:

ENG	Engineer's key
ATT	Attendant's key
JAN	Janitor's key
HKP	Housekeeper's key
GRD	Guard's key
MAIN	Maintenance

To designate that a lock be operated by a selective master key, suffix the symbol in parentheses to the standard symbol. Example: **AA1** (**ENG**). This must be added *every time* the selective key is to operate and left off whenever the selective key is NOT to operate. For instance, you may lay out a system in which key **AA1** is to operate two different offices. Inside one of them is an electrical cabinet which must be accessible to maintenance personnel carrying the **ENG** key. That lock must be specified as **AA1** (**ENG**) while the lock for the other office must be specified as **AA1**. Change keys directly under the selective key, such as **ENG1**, are operated by all higher level keys, such as **GGM**.

I.ike cross keying, a selective master key is a convenience feature which decreases the security of the cylinders it operates and limits the expansion and flexibility of the overall keying system.



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How to Establish Key Systems

Key Systems

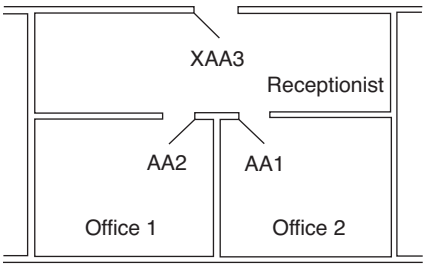
Convenience May Reduce Cylinder Security and Hinder System Expansion

Whenever two or more different keys such as **AA1** and **AA2** are both required to operate the same cylinder, the cylinder's security is reduced. This is called *cross keying*. When the cross keying occurs under all the same higher level keys, such as **AA1** and **AA2**, it is known as *controlled* cross keying. When it combines keys under different higher level keys, such as **AA1** and **AB1**, it is known as *uncontrolled* cross keying.

In addition to reducing the security of the cylinder, cross keying usually imposes limits on the flexibility and expansion of the overall keying system. This is especially true of uncontrolled cross keying. For these reasons, it is strongly recommended to allow personnel to carry more than one key. Cross keying should be discouraged whenever possible. However, when cross keying is required, it is specified as follows, and should be summarized at the beginning of each order.

Case #1

Cylinder requires its own change key. The illustration depicts part of a small medical building where two doctors share a common receptionist. The receptionist gets the **AA3** key. Each doctor carries a key which operates only one office, but is also cross keyed into the entrance from the corridor.

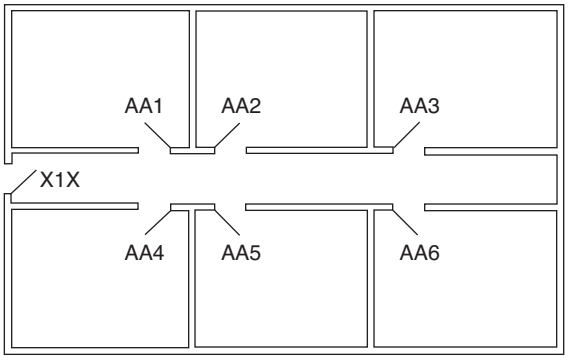


XAA3 operated by AA1, AA2, AA and A.

Determine the symbol of the change key (example: **AA3**). Then prefix the letter X (example: **XAA3**). Then list all keys which are to operate in an "*operated by . . .*" phrase. Example: "**XAA3** operated by **AA1**, **AA2**, **AA** and **A**". Note that **X** is a *cylinder* specification only. The keys for cylinder **XAA3** are designated **AA3**.

Case #2

Cylinder does NOT require its own change key. This illustration depicts a section of a floor in a dormitory. Each student's bedroom key operates the hall door lock. There is no need to construct a key which operates only the hall door.



X1X operated by AA1 through AA6, AA and A.

In this case, place an **X** at both the beginning and end of the symbol and a number between them. Example: **X1X**, **X2X**, etc. Again, *always include the "operated by . . ." phrase* with a complete listing of key symbols to operate.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

Corbin Russwin

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Fax: 800-461-8989
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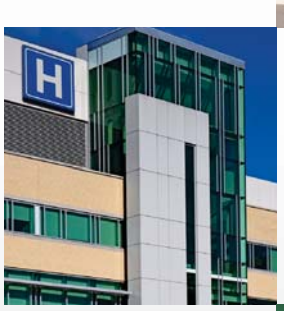


Corbin Russwin®

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Key Systems

Product Catalog

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and more open world

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Applications

Key Systems

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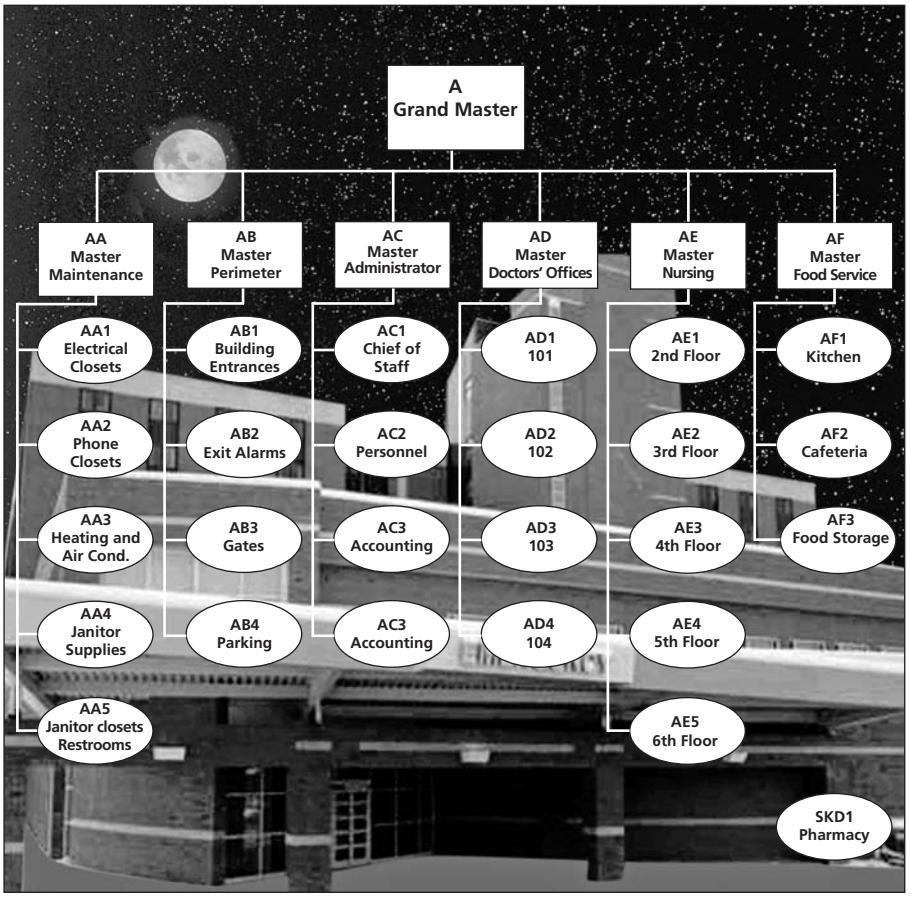
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Applications

To provide the desired level of security, even the finest architectural hardware requires a properly designed and maintained master key system.

The keying system is the "software" of a building's security. As shown in the schematic below, it turns each hardware product into an access control device.

The choice of cylinder mechanism must be planned together with the keying system. The variety of mechanisms available from Corbin Russwin offers the right balance of security, convenience and expansion capability for every job.



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Step 1
Determine the type of locking system

- Conventional "open & restricted keyways"
  - Not contract controlled
- Patented locking system
  - A notice of acceptance will be required between Corbin Russwin and Owner
  - Factory-based system
  - Key blank distribution restrictions are in place
- Security (secondary locking mechanisms, example; Pyramid Security)
- High security (same as Security plus UL437 – example; Pyramid High Security)
- Standalone access control locking devices (at door wiring, example; Access 800)
  - To facilitate multiple users through common doors
- Integrated locking systems (hard wired into access control systems)

Step 2
Establish the level of the master key system. The higher the level the less secure.

- Level two – "Simple Master Key system"
  - Change key, and master key only
- Level three – "Grand Master Key system"
  - Change key, master key, and Grand Master Key
- Level four – "Great Grand Master Key system"
  - Change key, master key, Grand Master Key, and Great Grand Master Key
- Levels higher than four are not recommended for security reasons
  - With more levels, additional master pins in each chamber of the cylinder would be required, and with the additional master pins the possibility of unauthorized key interchanges could occur

See pages 50-52 on How to Establish Key Systems.

Step 3
Establish key hierarchy, key issuing policies and procedures, and administrative disciplines.

- Who, if anyone is authorized to carry the top master key?
- Who carries master keys and change keys?
  - Does every employee receive a key?
- What disciplinary action(s) is being put in place for violations?
  - Fines or Deposits
    - > Lost keys
    - > Keys not returned
  - Will there be a key receipt required?
    - > Where will that be kept?
- Who is the systems administrator?
  - Authorized to purchase
  - Responsible for Key Control Administration
- Who is the Key Control Administrator?
  - Maintain key control software & all transactions

Step 4
System Layout

- Helpful Hints
  - KISS "Keep It Simple System"
    - > Do not use the term sub-master (not unless it's level 6 and higher)
- Lowest level possible
- Key to the building security objectives NOT to the people
  - Determine if the system is to be designed for Security or Convenience
- No cross keying, especially with patented locking systems and higher
- Key alike within master key groups as much as possible
  - Avoid top-heavy systems (example; few change keys used under masters)
- Has the right function of lockset been selected?
  - Storeroom vs. Classroom vs. Entry
  - Single cylinder vs. double cylinder
    - > If double cylinder, how is the inside cylinder to be keyed?
- Provide adequate quantity of keys
  - Top Level Master keys: Quantity should be limited to absolute minimum required.
  - Master keys: Quantity should also be limited to only amount required.
  - Change keys per key set and/or per keyed alike sets
  - Special operating keys
    - > Control keys: A Control key is as important as a top level Master key in a removable core system and quantities should therefore be limited to minimum required.

Separate the internal departments into sectors, example are:

- Perimeter
  - Including all exterior doors, roof surfaces, gates and fences, and adjacent buildings.
- Operations
  - Sensitive areas crucial to daily operations, such as plant engineering, security and mechanical operations.
- Management
  - Areas that are vital for daily business activities, primarily human resources, administration, executive offices, IT, sales, and accounting.
- Services
  - Areas that provide employees and visitors with services, such as restrooms, medical treatment areas, housekeeping, food service, retail (unless it's a leased outside source).
- Unique Applications
  - Door openings requiring access control hardware where key override is required, or any other special application which would be unique.
- Tenants
  - Any tenants that are not part of the building.

Step 5
Servicing & Maintenance

- In-house or outside locksmith
  - Ensure proper training
  - Establish key cutting log
  - Establish service request procedures
- Service equipment
  - Key kit
  - Code cutter that complies with systems depths & spacing specifications
  - Locksmithing tools, fixtures & accessories
- Establish stock levels & requirements to avoid misuse of multi-section key blanks
  - Additional cylinders ready for emergencies
  - Additional key blanks (of all keyways)
- Who or where are the key blanks going to be kept?
- Who is authorized to cut keys?
  - What form of work order will be used to authorize cutting of keys?
  - Who will sign the work order?
  - What records will be kept & where?
- What type of reports will be required?
  - Overdue keys
  - Miss-cut keys
    - > Who receives the reports?
- Once a key has been cut, what instructions are given to the recipient?
  - Key receipt recommended
- Ensure that all transactions are recorded by the Key Control Administrator
- ENFORCEMENT FROM THE START! SUPPORT AND BACK THOSE WHO ARE RESPONSIBLE FOR MAINTAINING AND SERVICING THE SYSTEM.

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Corbin Russwin
ASSA ABLOY

Key Wizard®

Key Systems

Key Management Software

Advantages

A key management software program is essential for any type of organization. Keeping track of the key holders in a master key system is critical for maintaining key control and ensuring the security and integrity of the system. *Key Wizard* by Corbin Russwin was designed to provide a user-friendly tool for facility end users to track detailed information concerning their keying system. It offers improvements over existing key management software by utilizing clutter-free and easily navigated screens. This system uses a Microsoft® Outlook® type of layout.

Key control for a facility is maintained by adopting a complete system of policies, procedures, record keeping and specialized products. A comprehensive key management software program is one aspect of a complete key control system.

Key Wizard by Corbin Russwin provides the facility with accurate information concerning keys, key holders, hardware locations, master key systems, overdue keys and maintenance service schedules, all of which can be customized.



Features:

- Free technical support and free software upgrades for one year
- Customized query, report and search capability
- Comprehensive hardware listings for door locations
- Displays key holder photos and signatures for verification
- Clear, easy to read screens
- Automatic reminders for maintenance, back-ups and overdue keys
- Network and standalone versions available
- Accurate key symbol sorting
- Audit trail tracks changes made to keyholders
- Printing of door number labels to ensure proper cylinder installation
- Key authorization tracking
- Customized key receipts and authorization forms
- Tracking of loaned keys and key deposits
- Stores maintenance service history records
- Can manage multiple end users and multiple key systems for most manufacturers
- Importing of key systems, keyholders and locations
- Exporting of key systems and locations
- Global key search across multiple master key systems
- Multi-level password protection
- Download of key bittings to ITL9700 Code machine
- Pinning Calculators

Computer System Requirements:

- 500 MHz processor or greater
- Windows 98, 2000, ME, NT, XP, Vista, 7, or 10
- 64 MB RAM
- 70 MB hard disk space

Demo Version

Demo versions are available. Demos can be downloaded from the Corbin Russwin website at **http://www.corbinrusswin.com or www.keywizard.net**

How to Order:

All *Key Wizard* programs are licensed specifically to each facility end user. Special online ordering procedures apply. The following information is required for each system:

End User Facility Name
End User Contact Individual
Mailing Address
Phone Number

Key Wizard Technical Support:
1-800-610-1706

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How to Order Cylinders — Numbering Scheme Overview

Key Systems

CR10	0	0	–	118	–	A01	–	6	–	L4	–	Finish x Options*

Cylinder Type	Mechanism	Function	Length	Cam	Pins	Keyway
CR10 Mortise CR11 Flex Head Mortise CR12 Concealed Shell Mortise CR13 Thumbturn Mortise CR14 Dummy Mortise CR15 Access 3 Mortise - AP CR16 Access 3 Mortise - AS CR17 Access 3 Mortise - AHS CR20 Knob/Lever CR21 Continental Knob CR22 Competitor Knob/Lever CR23 Access 3 Competitor Knob/Lever CR24 Competitor Keyways CR25 Access 3 KIK/KIL - AP CR26 Access 3 KIK/KIL - AS CR27 Access 3 KIK/KIL - AHS CR28 Access 3 Competitor KIL - AS CR29 Access 3 Competitor KIL - AHS CR30 Rim CR33 Thumbturn Rim CR35 Access 3 Rim - AP CR36 Access 3 Rim - AS CR37 Access 3 Rim - AHS CR42 Special Application CR44 DL2200, DL3200 CR45 Access 3 DL2200/ DL3200 - AP CR46 Access 3 DL2200/ DL3200 - AS CR47 Access 3 DL2200/ DL3200 - AHS CR80 IC-Core Only (LFIC) CR85 Access 3 IC Core - AP CR86 Access 3 IC Core - AS CR87 Access 3 IC Core - AHS CR2300 RFC Padlock	0 Standard 1 Security 2 Pyramid 3 IC Pyramid Cylinder (LFIC) 4 SFIC Housing 6 Master Ring 7 LFIC Housing 8 IC Complete Cylinder (LFIC) 9 IC Security Cylinder (LFIC)	0 Standard 1 Hotel 3 Classroom 6 Obsolete Crossbar ED6200 7 Pyramid Security 8 UL IC Housing Access 3	**(Mortise Cylinder) Non-IC** 100 1" (25mm) 118 1-1/8" (29 mm) 114 1-1/4" (32 mm) 138 1-3/8" (35 mm) 112 1-1/2" (38 mm) 134 1-3/4" (44mm) 200 2" (51 mm) 214 2-1/4" (57 mm) 212 2-1/2" (64 mm) 234 2-3/4" (70 mm) 300 3" (76 mm) 314 3-1/4" (83 mm) 312 3-1/2" (89 mm) 334 3-3/4" (95 mm) **(Mortise Cylinders) IC** 114 1-1/4" (32 mm) 138 1-3/8" (35 mm) 112 1-1/2" (38 mm) 134 1-3/4" (44mm) 200 2" (51 mm) 214 2-1/4" (57 mm) 212 2-1/2" (64 mm) **(Rim Tailpiece)** 058 5/8" (16 mm) 114 1-1/4" (32 mm) IC 138 1-3/8" (35 mm) 178 1-7/8" (48 mm) IC 178V 1-7/8" (48 mm) vertical IC 200 2" (51 mm) 200V 2" (51 mm) vertical 318 3-1/8" (78 mm) IC 312 3-1/2" (89 mm) 312V 3-1/2" (89 mm) vertical	A01 Cloverleaf A02 Straight A03 Adams Rite® MS A04 DL4000 Series A05 *Adams Rite* 4070 A06 Schlage® Cloverleaf A07 DL4100 Series A61 **New** MR Cloverleaf-locks made after 5/93 A62 MR Straight A63 Large MR Short A64 Large MR Long A65 **Old** MR Cloverleaf - locks made prior to 5/93 A92 Exit Grip Trim 01, 02 A93 Obsolete Deadlocks: Corbin® 610 Series and Russwin® 1403 Series	6 Standard 7	752 852 981 A DH N X Z Access 3 Pyramid

*For cylinder options, see pages 43-44

Finish	
Description	Specify
Bright Brass	605
Satin Brass	606
Bright Bronze	611
Satin Bronze	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze, Equivalent	613E
Bright Nickel Plated	618
Satin Nickel Plated	619
Flat Black Coated	622
Bright Chromium Plated	625
Satin Chromium Plated	626
Bright Stainless Steel	629
Satin Stainless Steel	630
Black Oxidized Bronze, Oil Rubbed	722
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

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Corbin Russwin
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Cylinder and Key Stamping

VKC and CKC

Key Systems

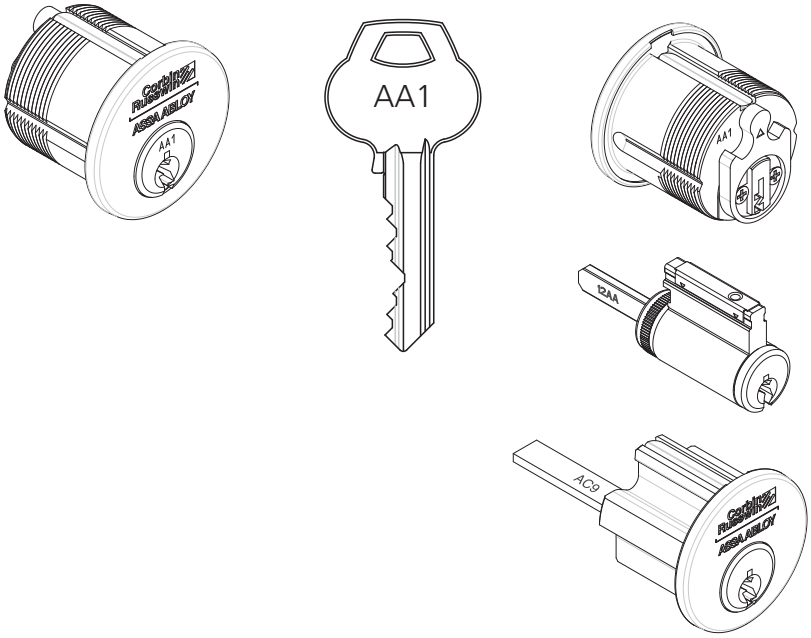
Visual and Concealed Key Control
With these options, keys and/or cylinders are stamped with their respective keyset symbol, so lock mix-ups during installation or key mix-ups afterwards are less likely to happen – and easier to straighten out if they do. Lost keys are also easier to replace. The coded information on the cylinder tells you how the cylinder is keyed, thereby eliminating trial and error.

For example, the symbol AA1 shown in the illustration identifies the lock to be operated by grand master key A, master key AA and change key AA1. Upon written authorization from the building owner to an authorized Corbin Russwin Distributor, a bitting list can be furnished for each job to translate the symbols into key bittings.

If a key is lost, it can easily be replaced by referring to the symbol on the cylinder and the bitting on the bitting list. VKC is not available on Security or Pyramid cylinders.

Visual Key Control (VKC)
For Greater Convenience
The key symbol is stamped on the plug face or other visible portion of the front of the cylinder. (VKC is available on all keys, but not available on Security, CK4400 Series Lockset or Pyramid cylinders.)

Concealed Key Control (CKC)
For Greater Security
For greater security, specify CKC on the cylinders. The key symbol is stamped in a concealed location, such as the rear of the cylinder. It is not visible to the general occupants of the building but can be accessed by authorized personnel upon removing the cylinder from the lockset.



The following codes and definitions have been established for specifying cylinder and key stamping:

Quick Code	Definition
VKC0	No keyset, registry number, keyway, nor bitting stamping on any keys. Includes master keys and change keys. (Keys will be tagged.)
VKC1	Master keys stamped with their keyset symbol and registry number. Change keys stamped with their keyset symbol and keyway.* (Standard for high security and security cylinders.)
VKC2	Master Keys stamped with their keyset symbol and registry number. Change keys stamped with their keyset symbol and keyway.* Cylinders stamped with their keyset symbol on the face of the plug. (Not available for high security or security cylinders.)
VKC3	Master Keys stamped with their registry number. Change keys stamped with their bitting, keyway* and system. Cylinders stamped with their keyset symbol on the face of the plug. (Not available for high security or security cylinders.
CKC2	Master keys stamped with their keyset symbol and registry number. Change keys stamped with their keyset symbol and keyway.* Cylinders stamped with their keyset symbol in a concealed location.
CKC3	Master keys stamped with their registry number. Change keys stamped with their bitting, keyway* and system. Cylinders stamped with their keyset symbol in a concealed location. (Not available for high security, or security cylinders.)

*Keyway will NOT be stamped on the keys for security or high security cylinders, nor restricted or protected keyways unless specifically requested as per the purchase order. (KB18, KB19, KB28 or KB90 series)

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Construction Master Keying
Construction Master Keying (CMK) is a Corbin Russwin keying option that provides the extra security needed in the transition from construction of a building or complex to completion.

The construction master key operates all Corbin Russwin cylinders while the building is under construction. Upon completion of the construction phase, it can be voided without removing the cylinders from the locks, simply by turning the change key in each cylinder. Construction master keying is not available for interchangeable core. Temporary cores are available for IC jobs that require construction keying.

The permanent master and change keys for the system are always packed and shipped separately, and the order must include the names and addresses of individuals to whom the construction, permanent master and change keys should be sent.

This feature is NOT available on interchangeable core, Access 3, Pyramid, or Security series cylinders.

SKD Caution
Unless otherwise specified, SKD sets will be construction master keyed. When construction master keying is established for SKD sets, Corbin Russwin issues a separate SKD CMK key as well as an SKD CMK Control key if required.

How to Order CMK
To order locksets and/or cylinders with the construction master key feature, the quick code CMK should be indicated as an option.

Temporary Construction Cores

Lockable
A secure method of construction keying for interchangeable core hardware is the use of temporary construction cores. Corbin Russwin recommends this method of construction keying for IC jobs.

Hardware is furnished with construction cores that are keyed alike to a combination unrelated to the permanent system's master key. When the building is turned over to the owner, the permanent cores are installed and the temporary construction cores can be returned to Corbin Russwin for credit.

The IC temporary construction cores are available in red, blue and green. The color options enhance the user's ability to easily control access to different locations on a construction site, or identify different locations for specific keying applications.

How to Order Lockable
IC 6-pin with Red temporary construction core (Red), CT6R
IC 6-pin with temporary construction core (Blue), CT6B
IC 6-pin with temporary construction core (Green), CT6G
For 7-pin, use quick code, CT7
IC 7-pin with temporary construction core (Red), CT7R
IC 7-pin with temporary construction core (Blue), CT7B
IC 7-pin with temporary construction core (Green), CT7G
For Pyramid, use quick code CTP.

Examples:
ML2051 x LSA x 626 x RH x CT6
CR1080 x 114 x A01 x 626 x CTP
CL3355 x NZD x 626 x CT6B
CR1080-114-A01 x 626 x CT6G
Permanent cores must be ordered separately.

Disposable
Corbin Russwin offers two formats of disposable temporary cores. These cores do not require keys for their operation and no returns or credits are allowed.

Disposable cores are available for Corbin Russwin large format interchangeable core (LFIC) housings or for small format interchangeable core (SFIC) housings. Please note that Corbin Russwin does not provide permanently keyed SFIC cores.

How to Order Disposable
LFIC
For 6-pin, use quick code CT6D
For 7-pin, use quick code CT7D
For Pyramid, use quick code CTPD

Examples:
ML2051 x LSA x 626 x RH x CT6D
CR1080 x 114 x A01 x 626 x CTPD
Permanent cores must be ordered separately.

SFIC - Key-in-lever/knob locksets
For 6- and 7-pin, use quick code CTSD

SFIC - Mortise Locks and Exit Devices-Rim Cylinders
For 6-pin housing, use quick code CLS6
For 7-pin housing, use quick code CLS7

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Conventional Mortise

Key Systems

Mortise Cylinders

For use with all mortise locks and DL3000 Deadlocks. IC: page 15. Security: page 17. Master Ring: page 20. Pyramid: page 24.



Type	Length	Cam	Pins	Keyway	Finish
CR1000	100 1" (5 pin only)	(see page 40)	5 (1" length only)	(see pages 31-39)	605
	118 1-1/8" (standard)	A01 Cloverleaf	6 (standard)		606
	114 1-1/4"	A02 Straight	7 (available for 1-1/4"-3")		611
	138 1-3/8"	A03 Adams Rite® MS and			612
	112 1-1/2"	DL3000 Deadlock			613
	134 1-3/4"	A04 DL4000 Deadlock			622
	200 2"	A05 *Adams Rite* 4070			625
	214 2-1/4"	A06 Schlage® Cloverleaf			626
	212 1-1/2"	A07 DL4100			629
	234 2-3/4"	A62 MR Straight / CR900 Series Mullion			630
	300 3"	A92 Exit Grip Trim 01 & 02			722
	314 3-1/4"	A93 Obsolete deadlocks: Corbin® 610 Series and Russwin® 1403 Series			BSP
	312 3-1/2"				WSP
	334 3-3/4"				

Flexible Head Mortise Cylinders

Use Flexible Head mortise cylinders only with sectional trim mortise locks. The head is spring-loaded to adjust for minor variations in door thickness. See page 20 for Master Ring



Type	Length	Cam	Pins	Keyway	Finish
CR1100	100 1" (6-pin std.)	(see page 40)	6 (standard)	(see pages 31-39)	605
	118 1-1/8"	A01 Cloverleaf	7 (available for 1-1/4"- 1-1/2")		606
	114 1-1/4"	A02 Straight			611
					612
					613
					618
					619
					625
					626
					722
					BSP
					WSP

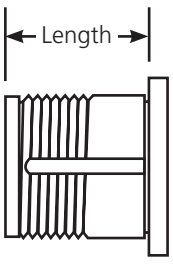
Concealed Shell Mortise Cylinders

Concealed shell cylinders are for mortise locks using "Plug Only to Show" escutcheon trim.

Type	Length	Cam	Pins	Keyway	Finish
CR1200	100 1" (6-pin std.)	(see page 40)	5 (1" length only)	(see pages 31-39)	606
	118 1-1/8"	A01 Cloverleaf	6 (standard)		626
	114 1-1/4"	A02 Straight	7 (available only for 1-1/4"- 1-1/2")		
	138 1-3/8"				
	112 1-1/2"				







Length is measured from behind the cylinder head to the end of the cam.
For cam illustrations and applications, see page 40.

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Hotel Function Cylinders

Guest Key and all normal master keys have limited rotation to retract latchbolt only. Emergency Master Key (EMK) and display key turn 360° to operate deadbolt as well.

Type	Number	Remarks
Standard	CR1001-114-A01	Cylinders are 6-pin. Display and Emergency Master Keys are cut on 7-pin blanks
Flexible Head	CR1101-118-A01	
Concealed Shell	CR1201-114-A01	

Not available with D1, D2, L1, L2, 752, 852 or A Class keyways. Order with A91 cam to accept discontinued Russwin® "G" type long EMK.
Finishes: see Standard, Flexible Head and Concealed Shell Cylinder sections, page 8.

Cylinder for Obsolete Exit Device

For inside of obsolete Corbin® 3726 1/2 and 3727 1/2 and Russwin® 736 1/2 and 737 1/2 only. Cam rotation is limited by steel pins on back of shell.

Application	Number	Remarks
Folger Adam® NS400 Series x LEK	CR1004-118-A02	Clockwise
Folger Adam NS400 Series x LEK	CR1005-118-A02	Counterclockwise

Finishes: 605, 606, 611, 612, 613, 625, 626, 629, 630, 722

1006-118-A02 (6-pin only)
Finishes: 605, 606, 611, 612, 613, 622, 625, 626, 629, 630, 722, BSP, WSP

Thumbturn Cylinders



Classroom function cylinders have a pin to block cam rotation in the locking direction. The pin may be installed on either side of the cam, depending on the hand of the door.

Suffix cam number to basic cylinder number. Example: 1300-118-A03					
Function	**Length**	**Basic Number**	**A02** (147F77)	**A03** (111F55)	**A93** (281F27)
Standard	1"	CR1300-100-	•	•	N/A
	1-1/8"	CR1300-118-	•	•	•
	1-1/4"	CR1300-114-	•	•	N/A
	1-3/8"	CR1300-138-	•	•	N/A
Classroom	1"	CR1303-100-	N/A	•	N/A
	1-1/8"	CR1303-118-	N/A	•	N/A
	1-1/4"	CR1303-114-	N/A	•	N/A
	1-3/8"	CR1303-138-	N/A	•	N/A

Finishes: 605, 606, 611, 612, 613, 622, 625, 626, 629, 630, 722, BSP, WSP
All 1300- and 1303- thumbturn cylinders are available with the M34 Option (Ergonomic Thumbturn)

Dummy Cylinders



These cylinders may be used to fill an opening left when mortise cylinder operation is no longer desired.

Number	Length
CR1400-118	1-1/8"
CR1400-114	1-1/4"
CR1400-138	1-3/8"

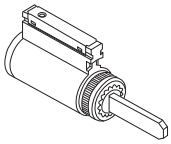
Finishes: 605, 606, 611, 612, 613, 622, 625, 626, 629, 630, 722, BSP, WSP

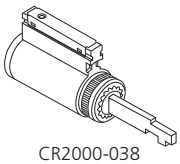
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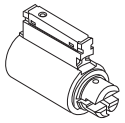
Conventional Component (Key-in-Lever/Knob)

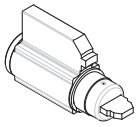
Key Systems

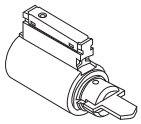
Component Cylinders
Finishes 606, 626

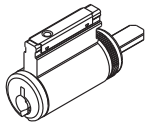

CR2000-031, 033, 034 or 037


CR2000-038


CR2000-052

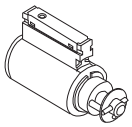

CR2000-044

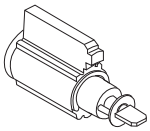

CR2000-051

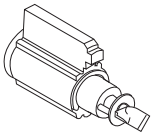

CR2000-031H

Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length) 6-Pin	Tailpiece Part Number (Length) 7-Pin
CR2000	031	CL3100 Lever Trim	(.509")		778F778 (.692")	778F768 (.536")
	031H	CK4300		(.509")	778F778 (.692")	NA
	033	CL3300, CL3500, CL3800, CL3600 (June 2000 and after) Lever Trim - A6/N6/PR6	(.509")		622F308 (.950")	682F298 (.794")
	033H	G1055 ED Trim (Horizontal Tailpiece)		(.509")	622F308 (.950")	682F298 (.794")
	034	CL3400 (Lockset Series Obsolete) CL3600 (Prior to June 2000), A5/N5	(.509")		622F298 (1.106")	622F308 (.950")
	037	CL3700	(.509")		682F298 (.794")	NA
		CK4700		(.509")		
	038	CL3800 (Obsolete 1993-1997 model)	(.509")		596F898 (1.056")	NA
	039	CL3900	(.509")		680F608 (1.700")	NA
	039L	CL3900 (2", 2-1/4" Thick Doors)	(.509")		681F068 (1.950")	NA
	044	CK4400		(.509")	NA Separately	NA
	051	B2/G2/G3 ED Trim		(.552")	489F028 (.890")	NA
	052	UT5200/CK4200	(.552")	(.552")	No Tailpiece	NA

Note #1= For 7-pin version, suffix -7 i.e. 2000-033-7

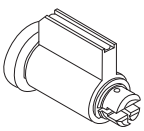

CR2001-052


CR2001-044


CR2001-066

Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length) 6-Pin	Tailpiece Part Number (Length) 7-Pin	Remarks
CR2001	031	CL3129	(.509")		775F958 (.808")	775F968 (.652")	Use CR2001-031-E8 for EMK Blank
	034	CL3329/CL3629 CL3429 (Lockset Series Obsolete)	(.509")		585F338 (1.046")	585F358 (.890")	Use CR2001-034-E8 for EMK Blank
	044	CK4429 (Straight Tailpiece)		(.509")	564F508 (.764")	NA	Use CR2001-044-E4 for EMK Blank
	052	CK4229	(.552")	(.552")	No Tailpiece	NA	Use CR2001-052-E4 for EMK Blank
	066	CK4429 (Twisted Tailpiece)		(.509")	574F128 (.835")	NA	Use CR2001-066-E4 for EMK Blank

Note #1= For 7-pin version, suffix -7, i.e. CR2000-033-7
Note #2= CR2003-044 used for CK4455 & CK4482 prior to August 1993

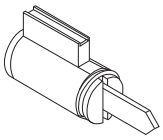

CR2100-052

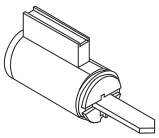
Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length) 6-Pin	Tailpiece Part Number (Length) 7-Pin	Remarks
CR2100	052	Ronde and Continental Knob (Obsolete)		(.552")	No Tailpiece	NA	Finishes 605, 606, 611, 612, 613, 625, 626

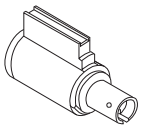
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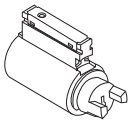
Component (Key-in-Lever/Knob) Conventional

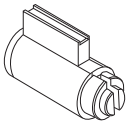
Key Systems

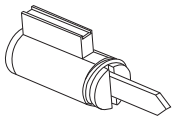

CR2200-001


CR2200-002


CR2200-008


CR2200-076


CR2200-054


CR2200-003

Cylinders for Other Manufacturer's Products - 6-pin

Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length)	Tailpiece Orientation
CR2200	001-A21	Alarm Lock DL2500 Series	(.552")	(.552")	444F748 (.813")	Vertical
		Arrow® H Series Knobs and Levers				
		Arrow Q Series Levers				
		Sargent® 10 Line (Enlarge Lever Hole)*				
		Schlage® D Series Levers				
	001-A22	*Schlage* AL and ND Series Levers	(.552")		461F108 (1.078")	Vertical
	002-A21	*Schlage* D Series Knobs		(.552")	444F748 (.813")	Horizontal
	002-A22	*Schlage* A Series Knobs (PLY, etc.)		(.552")	461F108 (1.078")	Horizontal
	002-A23	*Schlage* A Series Knobs (ORB, only)		(.552")	520F358 (1.328")	Horizontal
	003-A24	Lockwood® H Series Knobs (Enlarge Knob Hole)		(.552")	444F748 (.813")	Vertical
	008	*Sargent* 7,8,9 Line (Enlarge Knob Hole)		(.552")	NA	
	054	Yale® 5400, 6200 Knobs Only (Enlarge Knob Hole)		(.552")	NA	
	076	*Sargent* 7600 Integralock (Enlarge Knob Hole)		(.552")	NA	

*Or order Sargent 10 Line locks with 30 prefix.

Cylinders with Other Manufacturer's Keyways - 6-pin

Type	Tailpiece / Keyway	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number	Remarks
CR2400	031-C	CL3100	(.509")		778F788 (.710")	*Schlage* C Keyway
	031-LA	CL3100	(.509")		778F788 (.710")	*Schlage* LA Keyway
	033-C	CL3300/CL3600 (June 2000 and after) ED8200/ED8400	(.509")		622F328 (1.106")	*Schlage* C Keyway
	033-LA	CL3300/CL3600 (June 2000 and after) ED8200/ED8400	(.509")		622F328 (1.106")	*Sargent* LA Keyway
	034-C	CL3400 (Lockset Series Obsolete) CL3600 (Prior to June 2000)	(.509")		682F398 (0.950")	*Schlage* C Keyway
	034-LA	CL3400 (Lockset Series Obsolete) CL3600 (Prior to June 2000)	(.509")		682F398 (0.950")	*Sargent* LA Keyway
	037-C	CL3700	(.509")		685F098 (0.794")	*Schlage* C Keyway
		CK4700		(.509")		
	039-C	CL3900	(.509")		616F208 (1.700")	*Schlage* C Keyway
	039-LA	CL3900	(.509")		616F208 (1.700")	*Sargent* LA Keyway

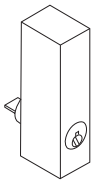
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Conventional Component (Key-in-Lever/Knob/Dead Bolt)

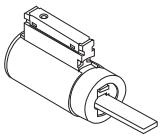
Key Systems

Cylinders for Other Manufacturers' Products (.552" Plug Diameter) - 6-pin

Type	Tailpiece	Series	Plug Diameter	Tailpiece Part Number (Length)	Remarks
CR4200	002-A47	Adams Rite® 4025 Pull	(.552")	146F788 (0.968")	Cylinder Only
	003-A47	*Adams Rite* 4025 Pull	(.552")	146F788 (0.968")	Cylinder and Housing



CR4200-003-A47



CR4200-002-A47

DL2200/DL3200 Deadbolts Cylinder (.509 Plug Diameter)

Cylinder Type	Function	1-3/8" or 1-3/4" (Standard)		2" or 2-1/4"	
		Cylinder	Tailpiece	Cylinder	Tailpiece
6-Pin	11, 13, 17	CR4400-134-A51	753F768	CR4400-134-A51	753F768
	12	CR4400-134-A52	753F778	CR4400-214-A52	753F788
7-Pin	11, 13, 17	CR4400-134-A51-7	753F768	CR4400-134-A51-7	753F768
	12	CR4400-134-A52-7	753F778	CR4400-214-A52-7	753F788

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Rim Cylinders

For use with exit devices and exit device trim.



Type	Tailpiece Length	Pins	Keyway	Finish
CR3000	058 5/8" 955 and 959 Trims 138 1-3/8" M61 & M62 option for ED8200 and obsolete ED9200 exit device alarms 200 2" (std. door) 200N 2" ED4000/ED5000 Night Latch Function 200V 2" vertical tailpiece 312 3-1/2" (thick door) 312V 3-1/2" vertical tailpiece **Tailpiece Orientation** std. = Horizontal V = Vertical	6 (standard) 7	(see pages 31-39)	605 606 611 612 613 622 625 626 629 630 722 BSP WSP

Rim Thumbturn



Type	Tailpiece Length	Pins	Keyway	Finish
CR3300	138 1-3/8" 200 2" (std. door)	N/A	N/A	605 606 611 612 613 622 625 626 629 630 722 BSP WSP

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Corbin Russwin
ASSA ABLOY

Interchangeable Core

Key Systems

Fast changeover - new security in seconds!



Interchangeable Core

Options:

- 7-Pin
- VKC (Visual Key Control)
- CKC (Concealed Key Control)
- Restricted/Protected Keyways
- Pyramid

Advantages
Rekeying can be done by non-technical personnel without removing hardware from the door. When used system-wide, IC provides tremendous rekeying convenience.

When planned from the inception of a system, IC cylinders can be integrated with conventional cylinders.

Applications
IC is recommended for virtually all types of keying systems, such as office buildings, hotels, schools, hospitals and universities. When used in exit devices and other installations which are labor intensive to rekey, IC saves time and money over the life of the building.

Operations
All operating keys (change, master, grand master) operate the lock normally. To rekey, use the special control key. The control key operates at a separate shear line in certain chambers within the core. Only the control key is required to remove and install a core.

Cores
6-pin standard; 7-pin, security and Pyramid optional. Two nickel silver change keys furnished standard per core. Control keys only furnished when ordered.

Key Control
Corbin Russwin cores are available with protected and restricted keyways, patented keyways, security and Pyramid to deter unauthorized key duplication. No orders for patented protected keys, security or Pyramid keys will be shipped for a keying system without a letter of authorization from the end user.

Construction Keying
Temporary cores are available for IC jobs that require construction keying.

Core Marking
Concealed Key Control (CKC) is available for all Corbin Russwin cores. Visual Key Control (VKC) is available for conventional cores, but not for security or Pyramid cores.

Ordering IC Locksets and Exit Devices
For specific product availability and Quick Codes for cylinder options, see "How to Order" in each catalog section.

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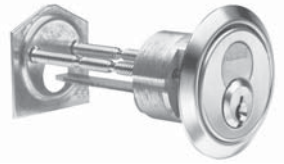
Interchangeable Core Mortise



CR10	8	0	–	114	–	A01	–	6	–	L4	–	x	Finish	x	Option

Core	Function	Length	Cam	Pins	Keyway	Finish*	Temporary Core
3 Pyramid 4 SFIC Housing Only (No Core) 8 Standard 9 Security (6-Pin only) 7 LFIC Housing only (no core)	0 Standard 1 Uses - E1suffix for EMK blank Hotel 1-3/8" with A01 cam only. 7 Pyramid Security	114 1-1/4" 138 1-3/8" 112 1-1/2" 134 1-3/4" 200 2" 214 2-1/4" 212 2-1/2"	(see page 40) A01 Cloverleaf A02 Straight A03 Adams Rite® MS and DL3000 Deadlock A04 DL4000 A05 *Adams Rite* 4070 A06 Schlage® Cloverleaf A07 DL4100 A62 MR Straight / CR900 Series Mullion A92 Exit GripTrim 01 & 02 A93 Obsolete deadlocks: Corbin® 610 Series and Russwin® 1403 Series	6 (standard) 7 (Not available for 1-1/4", 1-3/8" LFIC and 1-1/4" SFIC housings)	(see pages 31-39)	605 606 611 612 613 613E 622 625 626 629 630 722 BSP WSP	CT6R IC 6-pin with temporary construction core (Red) CT6B IC 6-pin with temporary construction core (Blue) CT6G IC 6-pin with temporary construction core (Green) CT7R IC 7-pin with temporary construction core (Red) CT7B IC 7-pin with temporary construction core (Blue) CT7G IC 7-pin with temporary construction core (Green) CT6D 6-pin LFIC Disposable CT7D 7-pin LFIC Disposable CTP Pyramid LFIC CTPD Pyramid LFIC Disposable CT6SD 6-pin SFIC Disposable CT7SD 7-pin SFIC Disposable

Interchangeable Core Rim



CR30	8	0	–	178	–	6	–	L4	x	Finish	x	Option

Core	Function	Tailpiece Length	Pins	Keyway	Finish*	Temporary Core
3 Pyramid 4 SFIC Housing Only (No Core) 8 Standard 9 Security (6-Pin only) 7 Housing only (no core)	0 Standard 7 Pyramid Security	058 5/8" 114 1-1/4" M61 & M62 option for ED8200 and obsolete ED9200 exit device alarms 178 1-7/8" (std. door) 178V 1-7/8" vertical tailpiece 318 3-1/8" (thick door) **Tailpiece Orientation** std Horizontal V Vertical (Not Available for 114 length)	6 (standard) 7	(see pages 31-39)	605 606 611 612 613 622 625 626 629 630 722 BSP WSP	CT6R IC 6-pin with temporary construction core (Red) CT6B IC 6-pin with temporary construction core (Blue) CT6G IC 6-pin with temporary construction core (Green) CT7R IC 7-pin with temporary construction core (Red) CT7B IC 7-pin with temporary construction core (Blue) CT7G IC 7-pin with temporary construction core (Green) CT6D 6-pin LFIC Disposable CT7D 7-pin LFIC Disposable CTP Pyramid LFIC CTPD Pyramid LFIC Disposable CT6SD 6-pin SFIC Disposable CT7SD 7-pin SFIC Disposable

*All plugs and shells for LFIC cylinders are provided in 606 or 626. Housings are provided in the finish of the lock hardware order

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Interchangeable Core

How to Order

Key Systems

Core Only



Description	Number	Remarks	EMK Blank
6-pin for CL3129	CR8001-031	Hotel indicator pin	E8 Suffix
7-pin for CL3129	CR8001-031-7	Hotel indicator pin	E8 Suffix
6-pin standard	CR8000	Set to hotel mortise EMK	N/A
6-pin standard	CR8000EMK	-E1 suffix	
Security	CR8010EMK	Set to hotel mortise EMK	N/A
Security	CR8010		-E1 suffix
7-pin	CR8000-7	Hotel indicator pin	N/A
6-pin for CL3329, CL3629	CR8001-034	Hotel indicator pin	-E8 suffix
7-pin for CL3329, CL3629	CR8001-034-7	Hotel indicator pin	-E8 suffix
6-pin for CK4229	CR8001-042	Hotel indicator pin	-E4 suffix
Security for CK4229	CR8011-042		-E4 suffix
Pyramid High Security	CR8020		N/A
Pyramid Security	CR8027		N/A

Specify Keyway
Finishes: 606 & 626 only
Uncombinated cores: Specify "UC". Keys not provided. Not applicable for 8000EMK, 8010EMK

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Standard Function
Security Mortise



CR10	1	0	–	118	–	A01	–	6	–	L4	–	x	Finish	x	Option

Mechanism	Function	Length	Cam (see page 40)	Pins	Keyway	Finish	Uncombinated
1 Standard 9 IC (available) 1-1/4" 1-3/8" 1-1/2" 1-3/4" 2" 2-1/4"	0 Standard 1 Hotel	118 1-1/8" 114 1-1/4" 138 1-3/8" 112 1-1/2" 134 1-3/4" 200 2" 214 2-1/4" 212 2-1/2" 234 2-3/4"	A01 Cloverleaf A02 Straight A03 Adams Rite® MS and DL3000 Deadlock A04 DL4000 Deadlock A05 *Adams Rite* 4070 A06 Schlage® Cloverleaf A07 DL4100 A62 MR Straight / CR900 Series Mullion A92 Exit GripTrim 01 & 02 A93 Obsolete deadlocks: Corbin® 610 Series and Russwin® 1403 Series	6 -pin only	(see pages 31-39)	605 606 611 612 613 613E 622 625 626 629 630 722 BSP WSP	UC

Special Function Security Mortise

Hotel Function Security Mortise

Change key and all normal master keys have limited rotation to retract latchbolt only. Emergency Master Key (EMK) and display key turn 360° for additional operation of deadbolt. EMK and display key requires 7-pin key blank for standard cylinders and -E1 suffix blank for IC cylinders.

Cylinder Number	Description
CR1011-114-A01*	1-1/4" Cloverleaf cam only
CR1091-138-A01	IC version 1-3/8"
CR1071-138-A01	IC housing only

*1011 cylinder not available with D1, D2, L1 or L2 keyways

Cylinder Number	Cam
CR1012-114-A01	Cloverleaf cam
CR1012-114-A02	Straight cam
CR1012-114-A03	DL 3000 Series Adams Rite® MS cam
CR1012-114-A04	DL4000 Series Deadlock
CR1012-114-A05	*Adams Rite* 4070
CR1012-114-A93	Obsolete 610/1403 Deadlock

Cylinder Number	Change Key	Cam
CR1014-118-A02	Clockwise	Straight
CR1015-118-A02	Counter-Clockwise	Straight

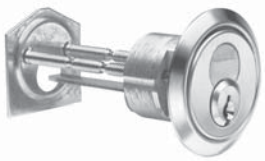
Folger Adam® NS400 Series x LEK uses A02 cam version.

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Security Rim



Standard

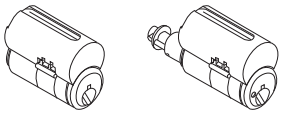


Interchangeable Core

CR3	0	1	0	–	200	–	6	–	L4	x	Finish	x	Option

Mechanism	Function	Tailpiece Length		Pins	Keyway	Finish	Uncombinated
		For 3010 Only	For IC				
1 Standard 9 IC	0 Standard	138 1-3/8" M61& M62 option for ED8200 and obsolete ED9200 exit device alarms	114 1-1/4" M61 & M62 option for ED8200 and obsolete ED9200 exit device alarms	6-pin only	(see pages 28-36)	605 606 611 612 613 613E 622 625 626 629 630 BSP WSP	UC
		200 2" (Std. door)	178 1-7/8" (Std. door				
		200V 2" vertical tailpiece	178V 1-7/8" vertical tailpiece				
		312 3-1/2" (thick door)	318 3-1/8" (thick door)				
		312V 3-1/2" vertical tailpiece					

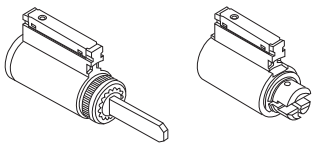
Security Cores Only



Description	Core Number	Remarks	EMK Blank
Standard	CR8010		N/A
For 1091	CR8010	EMK Set to hotel mortise EMK	-E1 suffix
For CK4229	CR8011-042	Hotel indicator pin	-E4 suffix

Specify Keyway. Available uncombinated, except CR8010EMK.
Finishes: 606 & 626 only

Key-in-Knob/Key-in-Lever



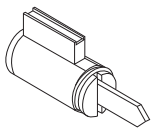
Lockset	Cylinder Number
CL3100	CR2010-031
CL3300, CL3500, CL3800, CL3600 Series (June 2000 and after)	CR2010-033
G1055 exit device knob trims	CR2010-033H
CL3300, CL3600 Series (Prior to June 2000)	CR2010-034
CL3800 Series (obsolete 1993-1997 model)	CR2010-038
CL3900 Series	CR2010-039
CL3900 Series (2", 2-1/4" Thick Door)	CR2010-039L
B2, G2 Exit Device Knob Trim	CR2010-051
CK4200 and UT5200 Series	CR2010-052
CK4229 Hotel Function	CR2011-052
CK4300 Series	CR2010-031H

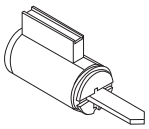
Specify Keyway. Available uncombinated.
Use -E4 suffix for EMK blank. Finishes: 606, 626

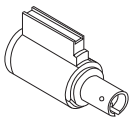
DL2200/DL3200 Deadbolts Cylinder

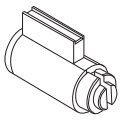
Function	1-3/8" or 1-3/4" (Standard)		2" or 2-1/4"	
	Cylinder	Tailpiece	Cylinder	Tailpiece
11, 13, 17	CR4410-134-A51	753F768	CR4410-134-A51	753F768
12	CR4410-134-A52	753F778	CR4410-214-A52	753F788

Other Manufacturers' Products









Vertical Tailpiece		Horizontal Tailpiece			
Alarm Lock DL2500 Series	CR2210-001-A21	*Schlage* D Series Knobs	CR2210-002-A21	*Sargent* 7, 8, 9 Line (enlarge knob hole) CR2210-008	Yale® 5400, 6200 Knobs (enlarge knob hole) CR2210-054
Arrow® H Series Knobs & Levers	CR2210-001-A21	*Schlage* A Series Knobs (PLY, etc.)	CR2210-002-A22		
Arrow Q Series Levers	CR2210-001-A21	*Schlage* A Series Knobs (ORB, only)	CR2210-002-A23		
Sargent® 10 line (Enlarge lever hole)*	CR2210-001-A21	Available Uncombinated. Finishes: 606, 626			
Schlage® D Series Levers	CR2210-001-A21				
Schlage AL and ND Series Levers	CR2210-001-A22				
Lockwood H Series Knobs (enlarge knob hole)	CR2210-003-A24				

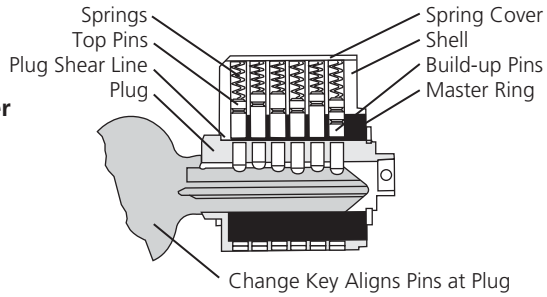
*Or order Sargent 10 Line locks with 30 prefix.

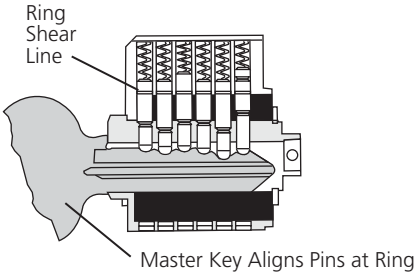
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Master Ring

Key Systems

- **Greater master keying capacity**
- **Superior keying flexibility**
- **Greater security in each cylinder**





Advantages

6-pin Master Ring keying systems offer keying capacity similar to 7-pin conventional cylinder systems.

There is, however, far greater flexibility for asymmetrical keying systems, because change key combinations do not require any direct relationship to those of master keys. In conventional systems, combinations not needed under a given master key cannot be used elsewhere in the system. In master ring, they can. This frees thousands of combinations for use anywhere within a master ring system.

Since the master keys all have their own shear line, fewer master pins are used, increasing cylinder security. This security enhancement reduces the chances of cylinders being manipulated by stray keys. It also hinders surreptitious entry by picking and impressioning.

When planned from the inception of a keying system, conventional cylinders may be integrated into specific parts of a Master Ring system for areas where the required hardware does not accommodate the large Master Ring cylinders.

Applications

Corbin Russwin Master Ring cylinders are especially recommended for installations which require large and complicated keying systems, such as hospitals and universities.

Field Serviceability

Corbin Russwin Master Ring cylinders are fully field serviceable.

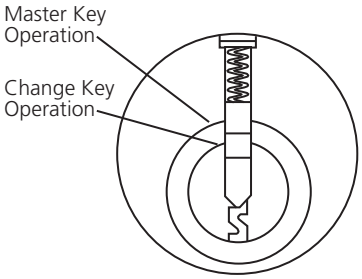
Note: Master Ring cylinders are not available uncombinated.

Key Control

Restricted and protected keyways are available.

Construction Master Keying

When planned from the inception of a keying system, construction master keying is available.



Operation

The change key rotates the cylinder plug only. Master keys operate at the master ring, which is a sleeve around the plug.

Cylinder Marking

Visual Key Control (VKC) and Concealed Key Control (CKC) are available for Master Ring cylinders.

Ordering Locksets and Exit Devices with Master Ring Cylinders

For specific product availability and Quick Codes for cylinder options, see "How to Order" in each catalog section.

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Master Ring

How to Order

Key Systems

Standard Master Ring Mortise

(1-1/2" diameter; .552" diameter plug)



Type	Length	Cam	Pins	Keyway	Finish
CR1060	100 1" (5-pin only)	(see page 40)	5 (1" length only)	(see pages 31-39)	605
	118 1-1/8"	A61 Cloverleaf*	6 (standard)		606
	114 1-1/4"	A62 Straight	7 (Available 1-3/8" only)		611
	138 1-3/8"	A63 Large Short			612
	112 1-1/2"	A64 Large Long			613
	134 1-3/4"	A65 Cloverleaf (formerly 11A)			613E
	200 2"				618
	214 2-1/4"	*A61 is for locks made after 5/93; requires thumbturn hub 562F41-2			619
	212 2-1/2"				622
	234 2-3/4"				625
	300 3"				626
					722
					BSP
					WSP

Flexible Head Master Ring Mortise

(1-1/2" diameter; .552" diameter plug)



Type	Length	Cam	Pins	Keyway	Finish
CR1160	100 1" (6-pin only)	(see page 40)	6 (standard)	(see pages 31-39)	605
	118 1-1/8"	A61 Cloverleaf*			606
	114 1-1/4"	A62 Straight			611
		A63 Large Short			612
		A64 Large Long			613
		A65 Cloverleaf (formerly 11A)			613E
					618
		*A61 is for locks made after 5/93; requires thumbturn hub 562F41-2			619
					622
					625
					626
					722
					BSP
					WSP

Dummy Master Ring Mortise



Cylinder Number	Length
CR1460-118	1-1/8"
CR1460-114	1-1/4"
CR1460-138	1-3/8"
CR1460-112	1-1/2"
Finishes: 605, 606, 611, 612, 613,	618, 619, 622, 625, 626, 722

Master Ring Rim

(1-1/2" diameter; .552" diameter plug)

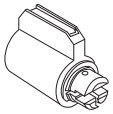


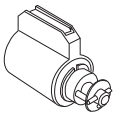
Cylinder Number	Description
CR3060-200	Standard horizontal tailpiece
CR3060-312	Thick door, horizontal tailpiece
CR3060-200V	Vertical tailpiece
CR3060-312V	Thick door, vertical tailpiece
Finishes: 605, 606, 611, 612, 613, 618, 619, 622, 625, 626, 722, BSP, WSP	

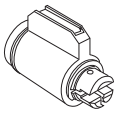
*Not available "UC" uncombined

CK4200 & UT5200 Series Lockset

Specify keyway (.552" diameter plug)

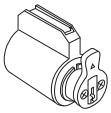


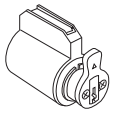


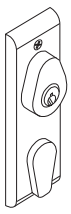


Standard Cylinder CR2060-052	With Indicator Pin for CK4229 Hotel CR2061-052	Discount. Ronde & Continental Knob CR2160-052
Finishes: 606, 626		

Exit Device Operators







For ED6800 x B5 or B6 For ED7400 x 03 or 04 CR4266-001-A02	For ED6800 x 01 or 02 CR4266-001-A92
Finishes: 606, 626	

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Description

Pyramid cylinders are available in both high security and security versions. The high security version is certified by Underwriters Laboratories to UL437 standards.

Applications

Especially recommended for installations requiring superior protection against picking, drilling and other surreptitious entry. Ideally suited for Educational and Healthcare facilities, Industrial and Commercial buildings.

System Administration & Key Control

Key control will be maintained through compliance with Corbin Russwin's Security Policy: for a copy contact Key Systems Administration or visit our web site at www.corbinrusswin.com.
All new Pyramid systems will require a completed System Information Document (orders cannot be entered without this document). The fully executed original document will be kept on file at Corbin Russwin Key System Administration. For all subsequent orders a letter of authorization will be required if the product is shipped to an address other than what is recorded on the System Information Document and/or if the address on the purchase order is different than what is listed on the System Information Document. Note that Key System Administration will not keep blanket letters of authorization on file.

Product Specification

All cylinders shall employ a protected locking mechanism that requires the use of a protected key and is furnished with a minimum of 7 pins. High Security cylinders shall meet the requirements of UL437. Interchangeable cores shall meet the drill resistance and pick resistance of UL437.

Keys shall be nickel silver and furnished with a large bow.

Features	Benefits
• High security protection (UL437) standard	• Underwriters Laboratory listing for resistance to picking & drilling
• 7-pin	• Greater master keying capabilities • Uses existing 6-pin interchangeable core housings • 1-1/4" (32mm) length for mortise cylinders
• Available with stainless steel pins	• Drill and pick resistant
• Large key bow	• Easy handling & special stamping options
• Thicker and stronger nickel silver keys	• Ideally suited for high usage & abusive applications
• User friendly	• No expensive dedicated equipment necessary for key cutting

Certifications

BHMA A156.5 Grade-1
E09211A* (Mortise)
E09221A* (Rim)
E09231A* (Bored Lock Cylinders)
*A (suffix) refers to cylinders of pick and drill resistance.

UL Underwriters Laboratories Inc.
(UL437)BP8976
CR1020, CR2020, CR3020 Fixed Core (FC) series only

Finishes

Pyramid cylinders are available in all Corbin Russwin standard finishes.

Keying

7 pin with two nickel silver change keys per cylinder. Pyramid fixed core security cylinders may be uncombinated (specify UC)[1], master or grand master keyed to a specific facility. Note: Pyramid cylinders are not available "0" bitted.

Keys shipped separately for master keyed cylinders.

System Specifications

- Pyramid systems are independent and cannot be keyed into existing and/or conventional systems.
- Pyramid cylinders are to be keyed to factory-generated bittings only.
- Cross keying is not available.

Key Discard Policy & Warranty

See page 49.

Construction Master Keying

Pyramid cylinders are not available construction master keyed. Interchangeable core jobs can be furnished with temporary construction cores. Temporary construction cores will be unrelated to the permanent system's master key. When the permanent cores are installed, the temporary construction cores are returned to Corbin Russwin for credit.

How to Order Example

1. Mortise lock with temporary construction core
   Qty. - ML2051 - LSA - 626 - RHR - CTP
2. Mortise cylinder with temporary construction core
   Qty. - CR1080-114-A01-626-CTP
3. Permanent core ordered separately
   Qty. - AA1 - CR8020 - 626

Pyramid Quick Codes[2]

PS	Pyramid Security Fixed Core
PCS	Pyramid Security Interchangeable Core
PHS	Pyramid High Security Fixed Core
PCHS	Pyramid High Security Interchangeable Core
CTP[3]	Pyramid with Temporary Construction Core
CLP[3]	Pyramid Less Core

1. UC cylinders are supplied, less keys, pins, springs and pin covers.
2. When cylinders are ordered with locks.
3. Pyramid cores to be ordered as a separate line item.

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Performance Features

Shell
- Locking pin mechanism
- Hard metal inserts

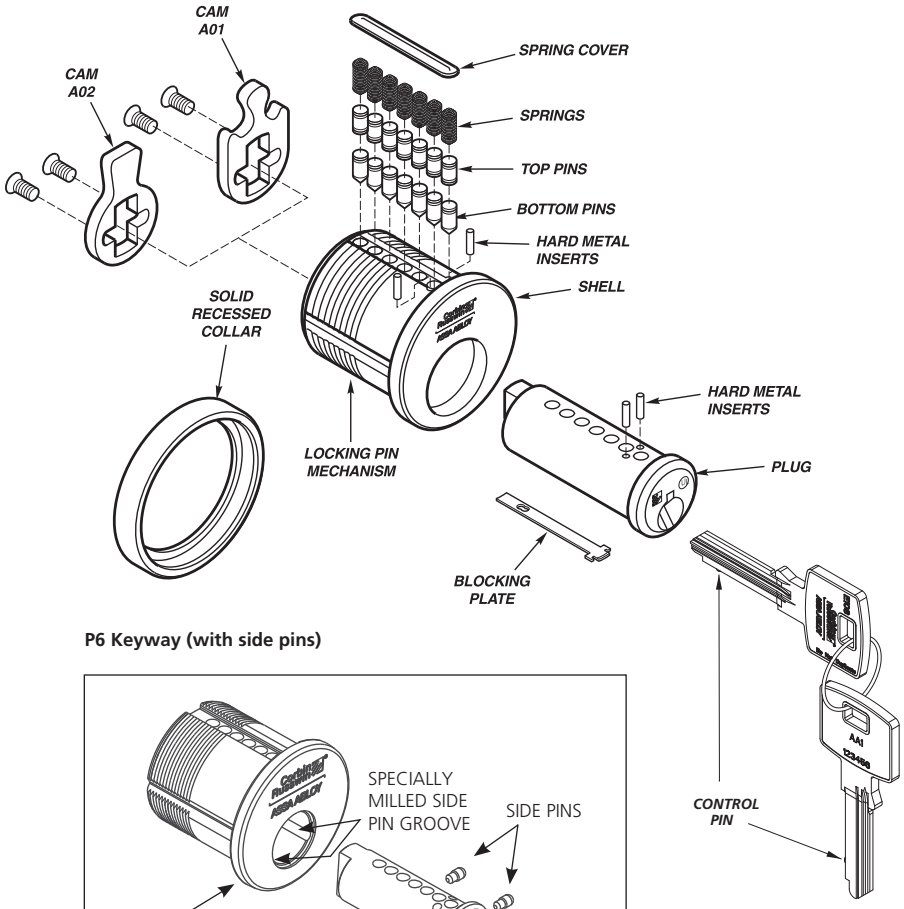
Key
- Control pin

Plug
- Blocking plate
- Hard metal inserts

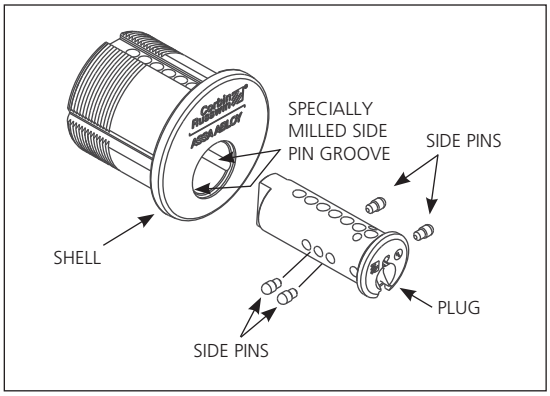
Pins & Springs
- Hardened stainless steel pick-resistant bottom pins*
- Hardened stainless steel pick-resistant top pins*
- Hardened stainless steel pick-resistant master pins (if required)*
- Hardened stainless steel pick-resistant build-up pins (if interchangeable core)*
- Springs

Collar
- Solid recessed (mortise)

* Hardened stainless steel pins used for UL437 High Security versions only. Pyramid Security version uses nickel silver bottom pins and brass master, build-up and top pins.



P6 Keyway (with side pins)



Operation



Without Key
Locking pin mechanism engages blocking plate and prevents the plug from turning.



With Key
Key's control pin depresses the locking pin mechanism and allows the plug to turn.

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Keys

- Nickel silver
- Key Bow Type 28
- Ordering example: 7PIN-28-XXXX
  - Keyway
- Ordering example P6 Keyway:
  7PIN-28-XXXX-SPCXX
  - Keyway
  - Side Pin Code

Back Side Stamping & Options

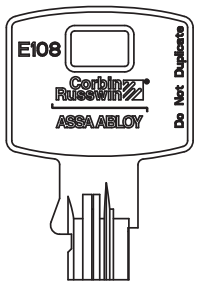
- Key set (VKC1), standard – unless otherwise indicated
- System registry number will be stamped on upper-level keys unless otherwise indicated
- Concealed key control (CKC2) available on cylinders
- Visual key control (VKC2 and VKC3) not available on cylinders. CKC3 also not available.

Note: Refer to Corbin Russwin's general catalog and price book for complete detailed information.

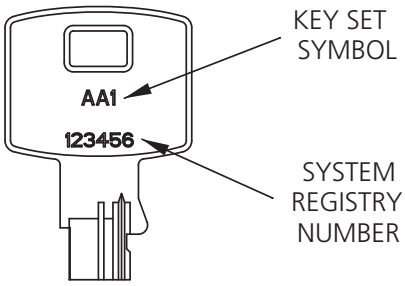
Keyway Security

Pyramid keyways will be determined by the supervisor of Key Systems Administration. Assignment will be based on the overall system requirements and geographic location to provide maximum protection to the owner. For security reasons, the keyway profiles are not shown.

Front Side



Back Side



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Mortise Cylinders

Mortise Locks/Deadlocks

Mortise Locks/Deadlocks

For use with all Corbin Russwin ML2000, ML2000HS and ML2200 (discontinued) mortise locks. DL4000 & DL3000 Series Deadlocks.

Mortise Exit Devices

For use with ED7600 and ED6600 devices.



Conventional Fixed Core (FC)



Interchangeable Core (IC)

Type	Length	Cam	Finish
CR1020 - High Security Mortise CR1027 - Security Mortise CR1030 - High Security IC Mortise complete CR1037 - Security IC Mortise complete CR1070 - Housing only	**CR1020/CR1027 - Non-IC (Fixed Core)** 114 - 1-1/4" (32mm) 112 - 1-1/2" (38mm) *See note #3 **CR1030/CR1037/CR1070 IC** 114 - 1-1/4" (32mm) 138 - 1-3/8" (35mm) 112 - 1-1/2" (38mm 134 - 1-3/4" (44mm) 200 - 2" (51mm) 214 - 2-1/4" (57mm) 212 - 2-1/2" (64mm)	A01 - Cloverleaf A02 - Straight A03 - Adams Rite® MS A04 - DL4000 Series A05 - Adams Rite® 4070 A06 - Schlage® Cloverleaf A07 - DL4100 A62 - 900 KRM Straight A92 - See note #1 A93 - See note #2	605 - Bright Brass 606 - Satin Brass 611 - Bright Bronze 612 - Satin Bronze 613 - Dark Oxidized Satin Bronze - oil rubbed 613E - Dark Oxidized Satin Bronze - Equivalent 618 - Bright Nickel Plated 619 - Satin Nickel Plated 622 - Flat Black Coated 625 - Bright Chromium Plated 626 - Satin Chromium Plated 629 - Bright Stainless Steel 630 - Satin Stainless Steel 722 - Black oxidized bronze, oil rubbed BSP - Black Suede Powder Coat WSP - White Suede Powder Coat

Note #1 - Not available IC
Note #2 - For obsolete Corbin® 610 and Russwin® 1403 series deadlocks
Note #3 - For ML2000 applications with door thickness exceeding 2-1/2" up to 3" in thickness, use IC cylinders.

How to Order Examples

High Security Mortise Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Length	Cam	Finish	Keyway
50	AA1	CR1020	114	A01	605	P3A1

Mortise Cylinder with a Pyramid Security Interchangeable Core

Quantity	Keyset	Cylinder	Length	Cam	Finish	Keyway
50	AA1	CR1037	114	A01	605	P3A1

Mortise Lock with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	ML2051	LSA	626	RHR	PHS (PS for Security version)	P3A1

Mortise Lock with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	ML2051	LA	626	RHR	PCHS (PCS for Security version)	P3A1

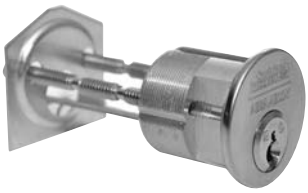
Exceptions

Pyramid cylinders are not available for the following: ML2029, ML2029HS, ML2029VR, ED7600 - applications over 2-1/4" thick, ED6600 - applications over 1-3/4" thick.

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Rim Cylinders

For use with exit devices and exit device trims.



Conventional
Fixed Core
(FC)



Interchangeable Core
(IC)

Type	Length	Availability		Finish
		FC	IC	
CR3020 - High Security Rim Cylinder CR3027 - Security Rim Cylinder CR3030 - High Security IC Rim Cylinder CR3037 - Security IC Rim Cylinder CR3070 - Housing only	058-5/8" (16mm) Tailpiece	X	X	605 - Bright Brass 606 - Satin Brass 611 - Bright Bronze 612 - Satin Bronze 613 - Dark Oxidized Satin Bronze - oil rubbed 613E - Dark Oxidized Satin Bronze - Equivalent 618 - Bright Nickel Plated 619 - Satin Nickel Plated 622 - Flat Black Coated 625 - Bright Chromium Plated 626 - Satin Chromium Plated 629 - Bright Stainless Steel 630 - Satin Stainless Steel 722 - Black oxidized bronze, oil rubbed BSP - Black Suede Powder Coat WSP - White Suede Powder Coat
	114 - 1-1/4" (32mm) M61 & M62 option for ED8200 and ED9200 exit device alarms		X	
	138 - 1-3/8" (35mm) M61 & M62 option for ED8200 and Obsolete ED9200 exit device alarms	X		
	178 - 1-7/8" (48mm) (Std. Door)		X	
	178V - 1-7/8" (48mm) vertical		X	
	200 - 2" (51mm)	X		
	200N - 2" (51mm) ED4000/ED5000 Night Latch Function	X		
	200V - 2" (51mm) vertical	X		
	312 - 3-1/2" (89mm)	X		
	312V - 3-1/2" (89mm) vertical	X		
	318 - 3-1/8" (79mm)		X	

How to Order Examples

High Security Rim Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Length	Finish	Keyway
50	AA1	CR3020	200	605	P3A1

Rim Cylinder with a Pyramid Security Interchangeable Core

Quantity	Keyset	Cylinder	Length	Finish	Keyway
50	AA1	CR3037	178	605	P3A1

Exit Device with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	ED5200	L955	630	RHR	PHS (PS for Security version)	P3A1

Exit Device with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	ED5200	L955	630	RHR	PCHS (PCS for Security version)	P3A1

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Pyramid Component (Key-in-Lever/Knob)

Key Systems

Key-in-Lever / Knob Cylinder

For use with Corbin Russwin CL3100, CL3300, CL3500, CL3700, and CL3800 lever locks, CK4200 and CK4700 knob locks and UT5200 unit locks. 2020/2027 series cylinders can also be used on CL3400, CL3600, CL3800 and CL3900 (discontinued) locks.



Conventional Fixed Core (FC)



Interchangeable Core (IC)

Type	Lockset Series	Finish
CR2020 - High Security Key-in-Lever/Knob CR2027 - Security Key-in-Lever/Knob	031 - CL3100 Lever	606 - Satin Brass 626 - Satin Chromium Plated
	031H - CK4300 Knob	
	033 - CL3300, CL3500, CL3600 (June 2000 and after) and CL3800 Lever	
	033H - G10 Exit Device Knob Trim	
	034 - CL3400 Lever - CL3600 Lever (Before June 2000) A5, N5 Obsolete ED8000 Trims	
	037 - CL3700 Lever - CK4700 Knob	
	038 - CL3800 Lever (Manufactured 1993-1997)	
	039 - CL3900 Lever (1-3/8" - 1-3/4" door)	
	039L - CL3900 Lever (2" - 2-1/4" door)	
	051 - G3 Exit Device Knob Trim	
	052 - CK4200 Knob - UT5200 Knob and Lever	

Key-in-Lever/Knob for other Manufacturers' Products

Cylinder Descriptions			
High Security (PHS)	Security (PS)	Tailpiece Orientation	Used for:
CR2220-001-P21	CR2227-001-P21	Vertical	Schlage® D Series Levers Arrow H® Series Knobs and Levers Sargent® 10 line (Enlarge Lever Hole)*
CR2220-002-P21	CR2227-002-P21	Horizontal	Schlage® D Series Knobs
CR2220-001-P22	CR2227-001-P22	Vertical	Schlage® AL and ND Series Levers
CR2220-002-P22	CR2227-002-P22	Horizontal	Schlage® A Series Knobs (Ply, etc.)
CR2220-002-P23	CR2227-002-P23	Horizontal	Schlage® A Series Knobs (ORB only)

*Or order Sargent 10 Line locks with 30 prefix.

DL2200/DL3200 Deadbolts Cylinder

Cylinder Type	Function	1-3/8" or 1-3/4" (Standard)		2" or 2-1/4"	
		Cylinder	Tailpiece	Cylinder	Tailpiece
High Security (PHS)	11, 13, 17	CR4420-134-A51	753F768	CR4420-134-A51	753F768
	12	CR4420-134-A52	753F778	CR4420-214-A52	753F788
Security (PS)	11, 13, 17	CR4420-134-A51-7	753F768	CR4420-134-A51-7	753F768
	12	CR4420-134-A52-7	753F778	CR4420-214-A52-7	753F788

How to Order Examples

High Security Component Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Lockset Series	Finish	Keyway
50	AA1	CR2020	033	626	P3A1

Cylindrical Lock with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Pyramid Quick Code	Keyway
50	AA1	CL3357	PZD	626	PHS (PS for Security version)	P3A1

Cylindrical Lock with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Pyramid Quick Code	Keyway
50	AA1	CL3357	PZD	626	PCHS (PCS for Security version)	P3A1

Exceptions

Pyramid cylinders are not available for the following: CL3329, CL3629, CK4229, CK4451, CK4455, CK4457, CK4429, CK4482, DL2100 series, DL3100 series.

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Interchangeable Core

For use with Corbin Russwin's 6-pin Interchangeable Core housings & shells.*



Type	Finish**
CR8020 - High Security IC core*	605
	606
	611
CR8027 - Security IC core*	612
	613
	613E
	622
	625
	626
	722
	BSP
	WSP

* Corbin Russwin 6-pin Interchangeable Core housings 1070 (mortise) & 3070 (rim) will accept 8020/8027 cores.

** All plugs and shells for LFIC cylinders are provided in 606 or 626. Mortise and rim housings are provided in the finish of the lock hardware ordered.

How to Order Examples

Security Interchangeable Core Ordered Separately

Quantity	Keyset	Cylinder	Finish	Keyway
50	AA1	CR8027	605	P3A1

Padlocks

Used with Pyramid Interchangeable Cores.
PL5030, PL5130, PL5230, PL5037, PL5137, PL5237



How to Order Examples

Padlock with a Pyramid High Security (CR8020) Interchangeable Core Cylinder

Quantity	Keyset	Series/Function	Shackle Length	Keyway
50	AA1	PL5030	258	P3A1

*Refer to general catalog for miscellaneous options.

Padlock with a Pyramid Security (CR8027) Interchangeable Core Cylinder

Quantity	Keyset	Series/Function	Shackle Length*	Keyway
50	AA1	PL5037	258	P3A1

Deadlocks

Used with Pyramid mortise cylinders. (DL3000 and DL4100)
Available in all standard finishes.



How to Order Examples

Deadlock with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	DL4113	626	RHR	PHS (PS for Security version)	P3A1

Deadlock with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Finish	Pyramid Quick Code	Keyway
50	AA1	DL4113	626	PCHS (PCS for Security version)	P3A1

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Corbin Russwin
ASSA ABLOY

Bump Resistant Cylinders

Key Systems

Protect your building from unwanted entry with Corbin Russwin bump-resistant cylinders. Our bump-resistant cylinders deter bumping without compromising the cylinder's structural integrity and strength. This option is available with Corbin Russwin conventional and Pyramid protected security and high-security cylinders on our mortise, cylindrical and exit device hardware.

Recently, a lot of information has been circulating about bumping, a technique used to defeat cylinders. Although this method has been around for a number of years, the internet has increased public awareness. Bumping is when a "bump key" is inserted into the cylinder and struck using a mallet or hammer type object. The bump key is specifically designed to transfer the energy from the force of the blow to create a separation in the cylinder's pins which compromises the lock allowing it to open.

Although BHMA has yet to establish bump-resistance standards, Corbin Russwin Bump Resistant Cylinders were tested and verified by an independent testing lab. They conclusively resisted bumping attack and did not allow entry. Verification and testing data is available upon request.

Bump-Resistant Cylinders:
- Specify "BRP"

Retrofit:
- Convert existing cylinders with Bump-Resistant Top Spool Pins

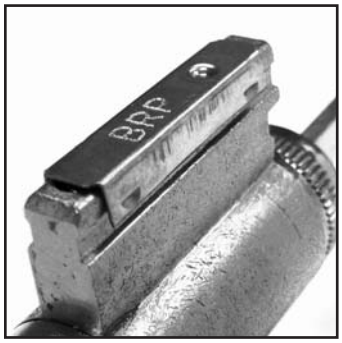
Features
Bump-resistant cylinders are designed for use with all Corbin Russwin locking hardware:
- Cylindrical locks
- Mortise locks
- Exit devices
- Access control locks
- Unit locks
- Auxiliary locks

Factory bitted, a symbol BRP is stamped onto pin cover/slides. Interchangeable core cylinders are not available with bump-resistant pinning.



BRP pinned mortise cylinder


BRP pinned rim cylinder



BRP pinned key-in-lever cylinder

Bump-Resistant Top Spool Pins

Description	Part Number	Qty
Conventional	628F10-7-171	Vials of 100 pcs.
Pyramid A	628F10-7-142	Vials of 100 pcs.
Pyramid C	628F10-7-236	Vials of 100 pcs.

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45078 6/19

L4	–	6-Pin	–	1	–	0

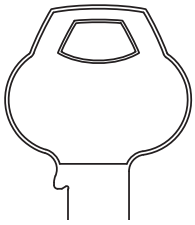
Key Sections	Length	Bow Shape	Bow Marking
(see pages 31-40)	Indicate 5-, 6-, 7-pin	1 Standard 5 Large 9 Security	0 Coined Logo 1 Plain 2 DND 3 US property DND 9 Restricted DND

Standard Bows



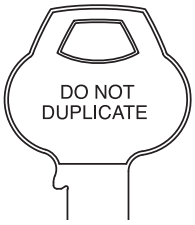
10

The standard bow furnished for all non-restricted keyways unless otherwise specified. The other side is blank.
Example: L4-6PIN-10.



11

Blank both sides, for use when more area is required for stamping, such as custom die stamps. Not for use with restricted keyways.
Example: L4-6PIN-11.



12

This bow enhances key control for non-restricted Corbin Russwin keyways. Other side blank. Example: L4-6PIN-12.



13

For use only on U.S. Government projects.
Example: L4-6PIN-13.

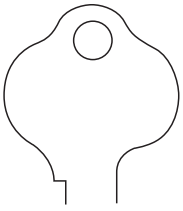
Protected and Restricted Keys

10, 50 and 90 bow shapes are designated as 19, 59 and 99 for protected and restricted keyways. They are stamped this way on the thumb side. Other side blank.

RESTRICTED
DO NOT
DUPLICATE

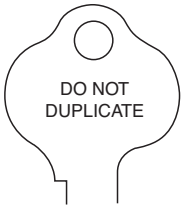
This stamp is not available for keys which are not protected and or restricted. Protected keyway keys will be stamped restricted.

Large Bows



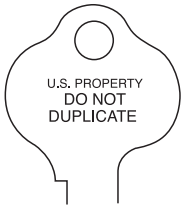
51

Blank both sides. Recommended for special die stamps or large amounts of stamping, and for Control and Emergency Master Keys. Not available for 752, 852 or A Class keyways.
Example: L4-6PIN-51.



52

Recommended for non-restricted keys which need extra space for special stamping. This bow also enhances key control for other Corbin Russwin keys. Not available for 752, 852 or A Class keyways.
Example: L4-6PIN-52.



53

For use only on U.S. Government projects. Recommended for use when a large amount of stamping is required. Not available for 752, 852 or A Class keyways.
Example: L4-6PIN-53.

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Security Bows (Inactive - for Existing Systems Only)

90

Standard bow for security keys. Example: L4-6PIN-90.

91

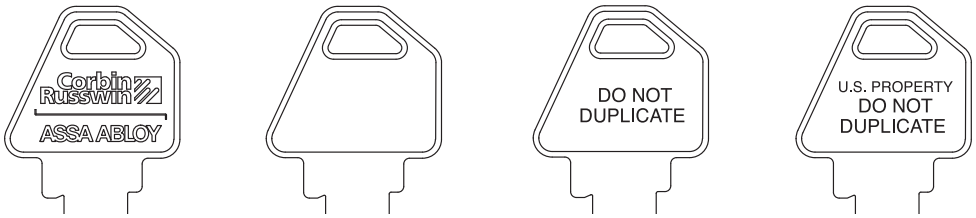
Blank both sides for security keys where extra stamping is required. Not for use with restricted keyways. Example: L4-6PIN-91.

92

This bow enhances key control for non-restricted security keys. Other side blank. Example: L4-6PIN-92.

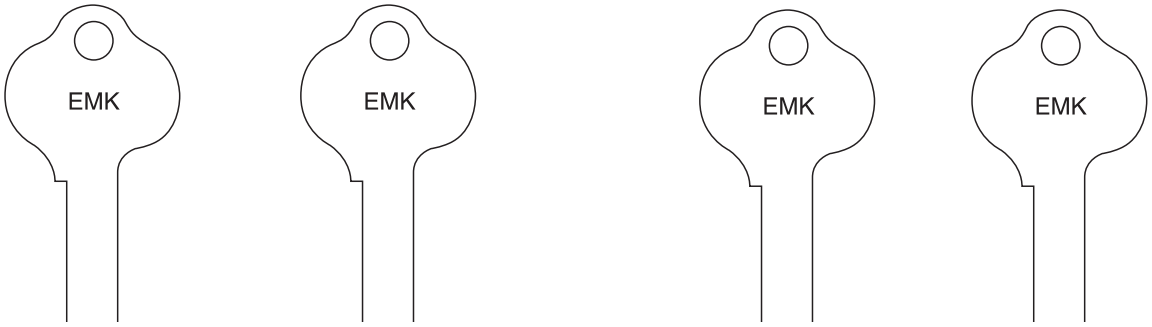
93

For use only on security keys for U.S. Government projects. Example: L4-6PIN-93.



Hotel Security Key Blanks

Standard hotel function mortise cylinders CR1001 and CR1011 use 7-pin Emergency Key blanks. The 51 bow is suggested e.g., L4-7PIN-51. All other Corbin Russwin hotel function cylinders require keys with a special undercut tip. The four variations are shown below.



-E1 Suffix

For interchangeable core mortise cylinder CR1081 (conventional) and CR1091 (security). Available 6-pin only. Examples: L4-6PIN-51-E1 or L4-6PIN-90-E1.

-E8 Suffix

For CL3329 and CL3629 and obsolete CL3429 key-in-lever locksets, fixed core and IC. Available 6- and 7-pin. Example: L4-6PIN-51-E8.

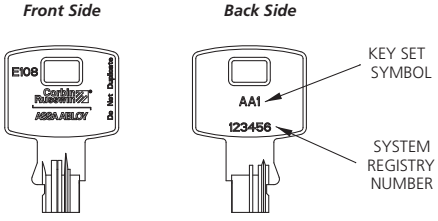
-E4 Suffix

For CK4229 locksets, fixed core and IC, conventional and security. Also for CK4429. Available 5- or 6-pin. Examples: L4-6PIN-51-E4 or L4-6PIN-90-E4.

-E5 Suffix

For obsolete 1429, 3333EM, 4333EM and 5629 key-in-knob locksets. Available 5- and 6-pin. Example: L4-6PIN-51-E5.

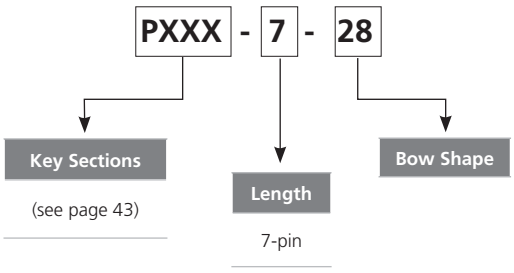
Pyramid Bow



28

Standard bow furnished for all Pyramid keys.

Ordering Example



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Multiplex/Simplex Keyways

Multiplex keyways can be used together to expand a keying system. A simplex keyway is independent, stands alone and cannot be tied into any other keyway to expand a keying system.

All/Multi-Section/Single Section Keys

All/Multi-section keys can be used on more than one cylinder with different sections. For example: a key cut on the L41 multi-section keyblank will pass cylinder in the L1, L2, L3 and L4 keyways. Single section keys can be used with cylinders of the same section. For example: a key cut on the L4 single section keyblank will only pass a cylinder in the L4 keyway.

Active Keyways

Keyways which are available for new Corbin Russwin keying systems are considered active. In the case of new master key systems, the factory reserves the right to select the keyway from a range of standard keyways, based on usage in a particular geographical area.

Inactive Keyways

Many older Corbin Russwin keyways are designated inactive. **No new systems** shall be established on these keyways. However, they continue to be available to support existing keying systems.

Restricted Keyways

For security reasons, these keyway profiles are not shown.

Protected Keyways

Key Systems Administration reserves the final decision as to which protected keyway family will be selected. A notice of acceptance showing the facilities name, address and contact information is required before orders can be processed For security reasons, these keyway profiles are not shown.

Pyramid Keyways

Pyramid keyways are only available for Pyramid cylinders and separate specifications are used from conventional Corbin Russwin keying systems. For security reasons, these keyway profiles are not shown. All new Pyramid systems will require a completed System Information Document (orders cannot be entered without this document). The fully executed original document will be kept on file at Corbin Russwin Key System Administration. For all subsequent orders a letter of authorization will be required if the product is shipped to an address other than what is recorded on the System Information Document and/or if the address on the purchase order is different than what is listed on the System Information Document. Note that Key System Administration will not keep blanket letters of authorization on file.

Bitting Classes

Corbin Russwin has several sets of dimensional standards for bitting (cutting) keys. If the wrong specifications are used when making keys on code machines in the field, they will not operate in conjunction with factory supplied cylinders and keys. The bitting class is given for each group of keyways. All bitting specs are available in the Corbin Russwin cylinder manual.

L Series (Corbin Russwin)

4 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.
Reverse of D Series.

Security

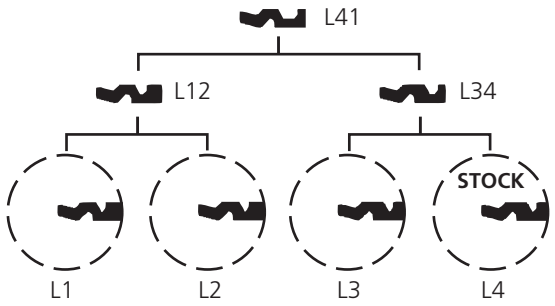


Available

All-Section Key

Multi-Section Key

Cylinder Keyway and Single Section Key



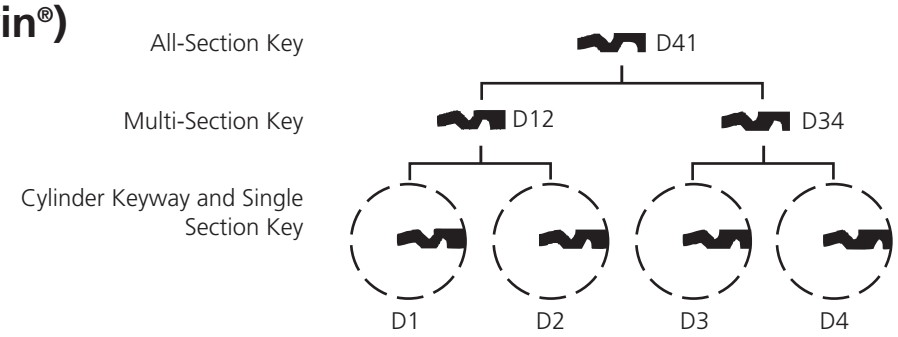
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D Series (Russwin®)

4 keyway multiplex system.
Available 5-, 6- and 7-pin.
DH Class bitting.
Reverse of L Series.

Security

Available

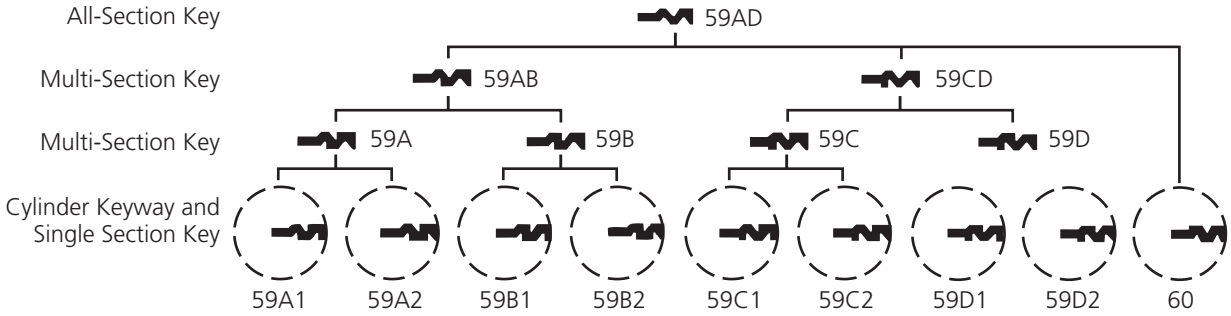


59 Series (Corbin®)

9 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

Security

Available

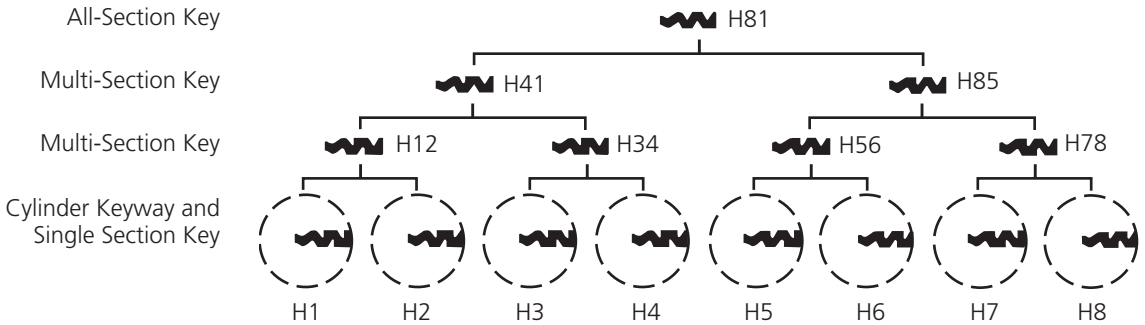


H Series (Russwin)

8 keyway multiplex system.
Available 5-, 6- and 7-pin.
DH Class bitting.

Security

Available



70 Series (Corbin)

Simplex Keyway.
Z Class bitting.
Reverse of 60.

Security

Available



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62 Series (Restricted)

Keyway profiles not shown for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

Security

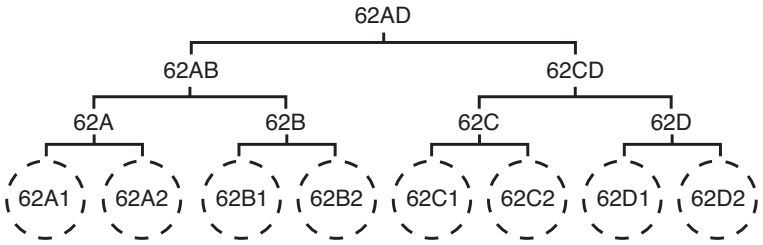
Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cylinder Keyway and Single Section Key



HO Series (Restricted)

Keyway profiles not shown for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
DH Class bitting.

Security

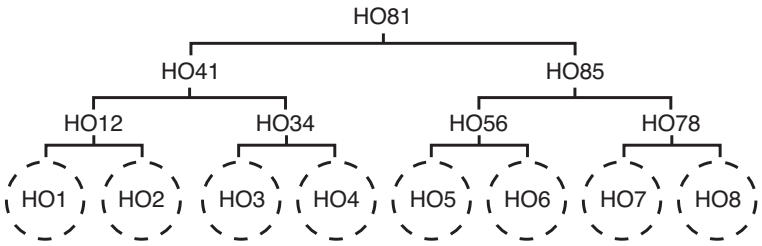
Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cylinder Keyway and Single Section Key



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Keyways

Key Systems

93 Series (Protected)

Keyway profiles not shown
for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

Security

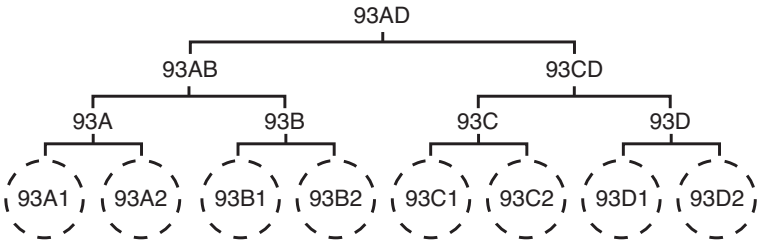
Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cylinder Keyway and
Single Section Key



39 Series (Protected)

Keyway profiles not shown
for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

Security

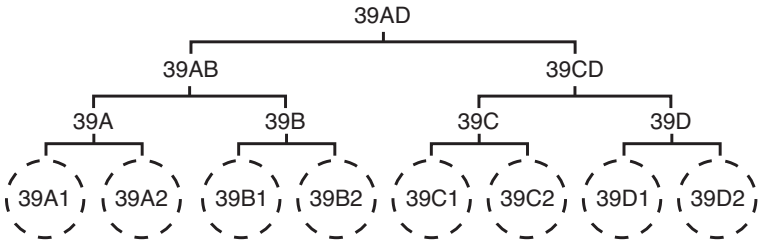
Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cylinder Keyway and
Single Section Key



F Series (Protected)

Keyway profiles not shown
for security reasons.
4 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting

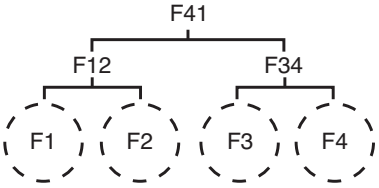
Security

Available

All-Section Key

Multi-Section Key

Cylinder Keyway and
Single Section Key



J Series (Protected)

Keyway profiles not shown
for security reasons.
4 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

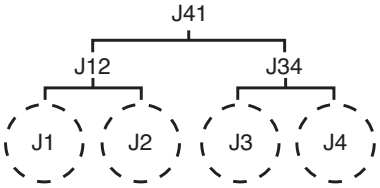
Security

Available

All-Section Key

Multi-Section Key

Cylinder Keyway and
Single Section Key



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57 Series

8 keyway multiplex system.
Available 5-, 6-, and 7-pin.
X Class bitting.

Reverses

57A1	27B2
57A2	27B1
57B1	27A2
57B2	27A1

Security



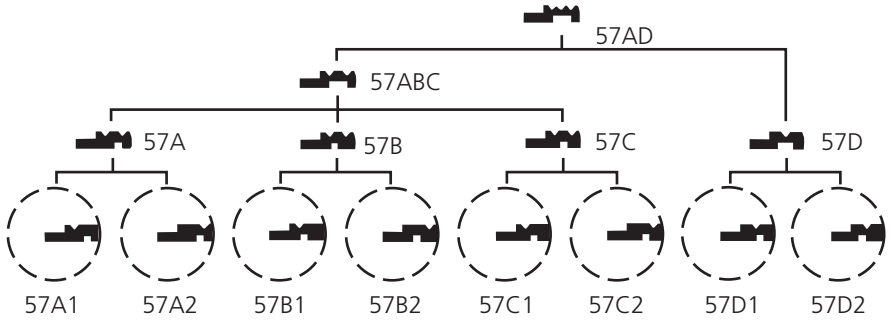
Not Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cyl. Keyway and Single Section Key



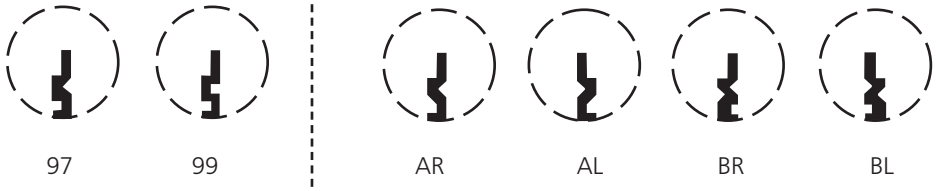
Simplex Keyways

6 independent keyways.
Available 5-, 6- and 7-pin.
X Class bitting.

Security



Not Available



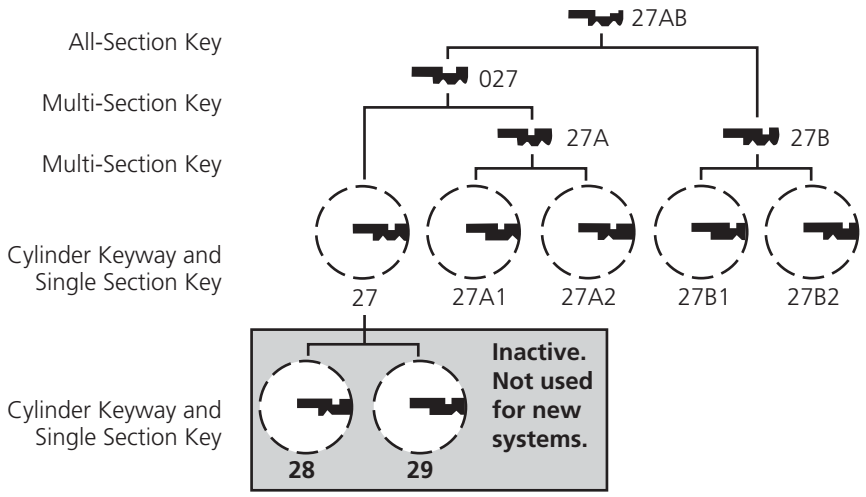
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27 Series

7 keyways total (5 active).
Available 5-, 6- and 7-pin.
X Class bitting.

Reverses

27A1	57B2
27A2	57B1
27B1	57A2
27B2	57A1

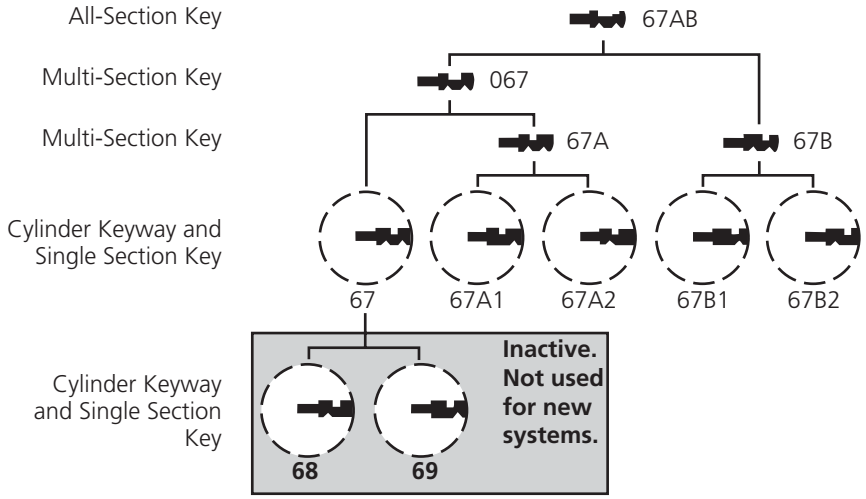


Security

Not Available

67 Series

7 keyways total (5 active).
Available 5-, 6- and 7-pin.
X Class bitting.
Reverse of 77 Series.

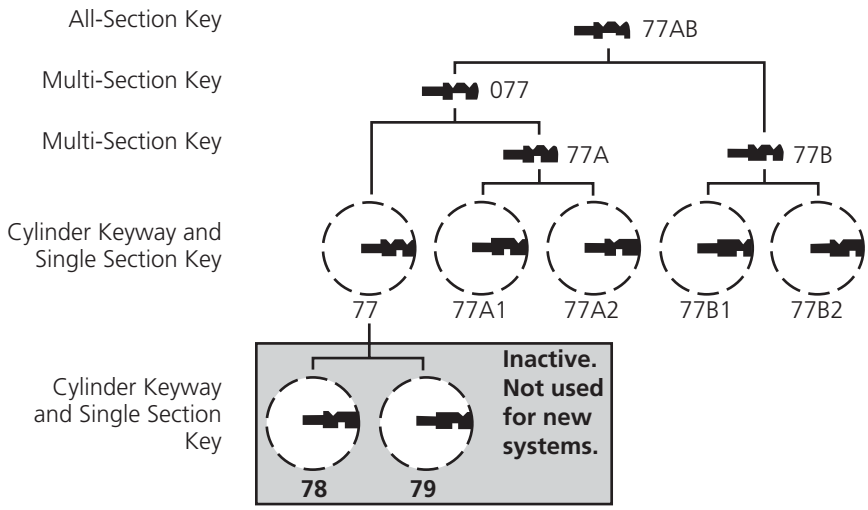


Security

Not Available

77 Series

7 keyways total (5 active).
Available 5-, 6- and 7-pin.
X Class bitting.
Reverse of 67 Series.



Security

Not Available

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981 Series

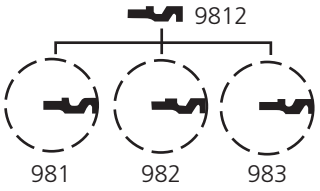
3 keyway multiplex system.
Available 5-, 6- and 7-pin.
981 Class bitting.

Security

Not Available

All-Section Key

Cylinder Keyway and Single Section Key



Former 6-pin Designations	961	962	963
Former 7-pin Designations	971	972	973

N Series (Obverse)

14 keyways total: N1- N14.
Available 5-, 6- and 7-pin.
N Class bitting.

Former Designations

6-pin: 1N-14N
5- and 7-pin: 1K-14K

Security

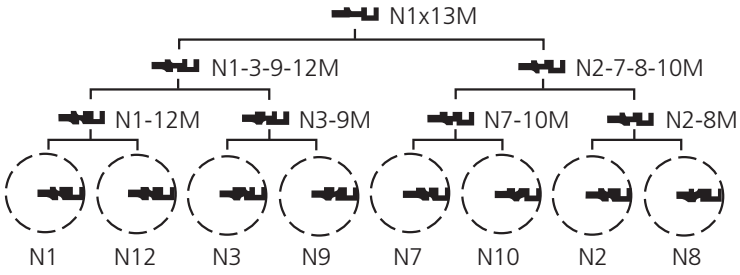
Not Available

All-Section Key

Multi-Section Key

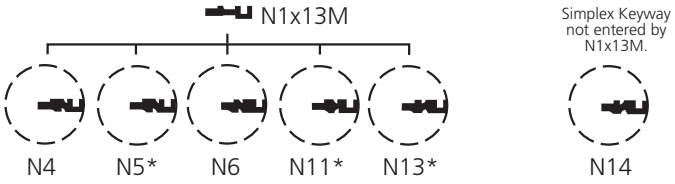
Multi-Section Key

Cylinder Keyway and Single Section Key



All-Section Key

Cylinder Keyway and Single Section Key



*NOTE: Do not use these pairs in the same keying system with each other: N1 with N13; N3 with N5; N7 with N11

N Series (Reverse)

14 keyways total: N15- N28.
Available 5-, 6- and 7-pin.
N Class bitting.

Former Designations

6-pin: 15N-28N
5- and 7-pin: 15K-28K

Security

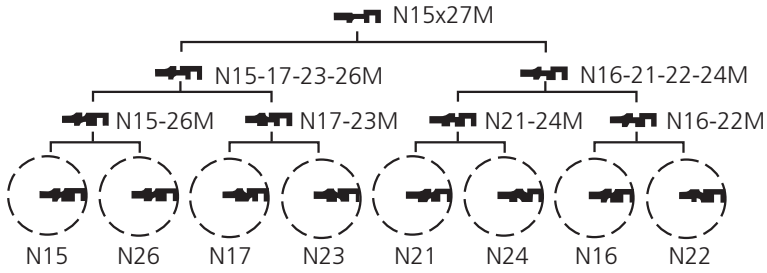
Not Available

All-Section Key

Multi-Section Key

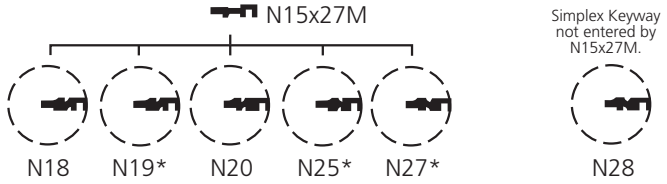
Multi-Section Key

Cylinder Keyway and Single Section Key



All-Section Key

Cylinder Keyway and Single Section Key



***NOTE: Do not use these pairs in the same keying system with each other: N15 with N27; N17 with N19; N21 with N25**

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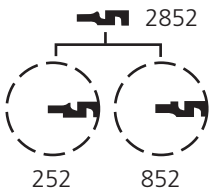
Keyways

Russwin® Inactive

Key Systems

852 Series

2 keyway multiplex system.
5-pin standard, 6-pin special.
Available with 10 Series bows only.
No hotel function cylinders.



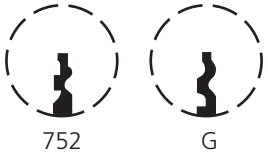
Security

Not Available

Simplex Keyways

5-pin only

752 uses 752 Class bitting
G uses 852 Class bitting
Available with 10 Series bows only.
No hotel function cylinders.



A Series (Obverse)

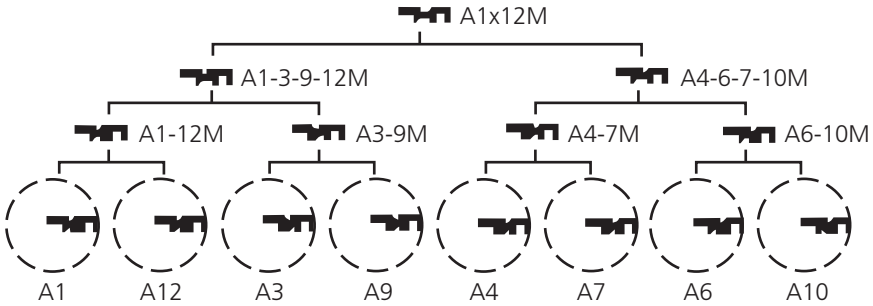
12 keyways: A1-A12.
5-pin standard, 6-pin special.
Available with 10 Series bows only.
A Class bitting.
No hotel function cylinders.

Former Designations
5-pin: 1A-12A
6-pin: 1Z-12Z

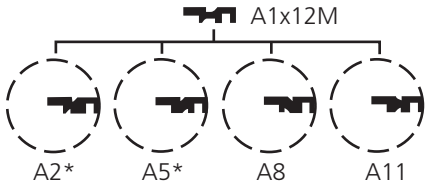
Security

Not Available

All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



All-Section Key
Cylinder Keyway and Single Section Key



* NOTE: Do not use these pairs in the same keying system with each other: A1 with A2; A4 with A5.

A Series (Reverse)

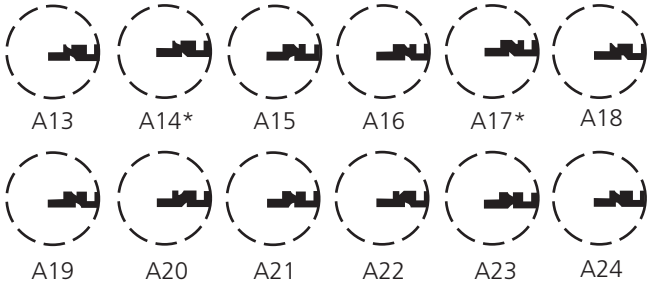
12 keyways: A13-A24.
5-pin standard, 6-pin special.
Available with 10 Series bows only.
A Class bitting.
No hotel function cylinders.

Former Designations
5-pin: 13A-24A
6-pin: 13Z-24Z

Security

Not Available

Cylinder Keyway and Single Section Key



*** NOTE: Do not use these pairs in the same keying system with each other: A13 with A14; A16 with A17.**

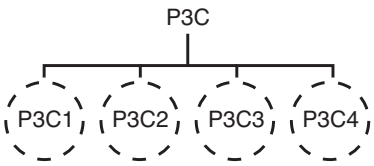
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Pyramid (Protected)

P3C Series

Keyway profiles not shown for security reasons.
4 keyway multiplex

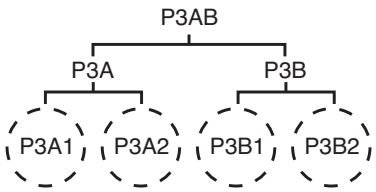
Multi-Section Key
Cylinder Keyway and Single Section Key



P3AB Series

Keyway profiles not shown for security reasons.
4 keyway multiplex

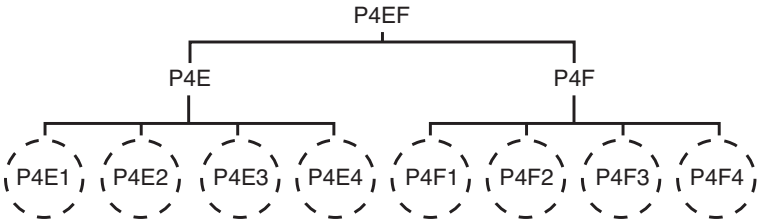
All-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



P4EF Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

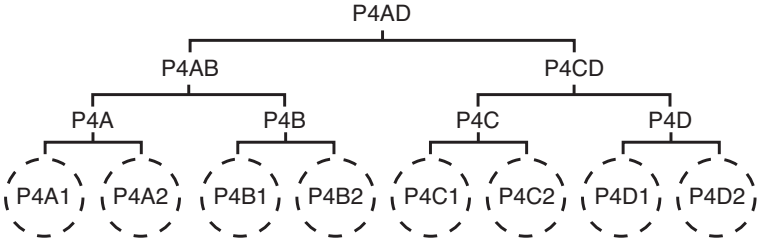
All-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



P4AD Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

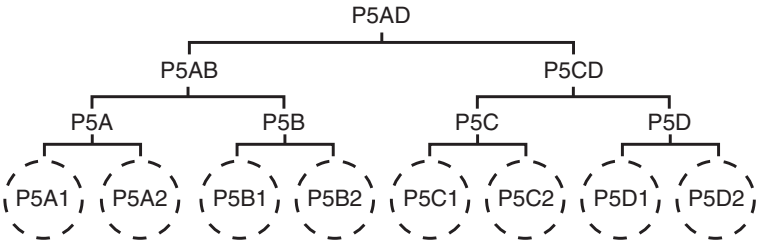
All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



P5AD Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

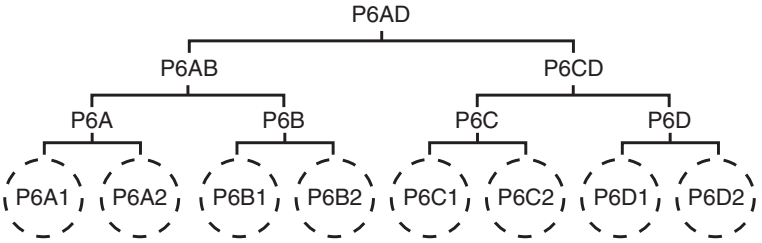
All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



P6AD Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



***Note: Each P6 keyway will have its own unique side pin code locations to be assigned by Key Systems Administration. The side pin code is not available with the other Pyramid keyway families.**

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Mortise Cylinder Cams

Lockset Applications

Key Systems

Cams for current products or models

	Type	Part Number		Model/Description
	A01	Reg. 756F50 IC	Corbin Russwin Arrow®, Marks 5000, PDQ	Steel case mortise locks except classroom and institutional privacy functions. Deadbolt functions of green cast iron case mortise locks. NOT for master ring mortise cylinders. All mortise functions using Cloverleaf cam.
	A02	Reg. 756F51 IC	Corbin Russwin Baldwin Marks	Steel case mortise lock classroom (55), inside of vestibule (42) and institutional privacy (69) functions. Most exit device trims. NOT for master ring mortise cylinders. All mortise locks. 7000, 9000 and most brands of older black cast iron locks.
	A03	Reg. 756F52 IC	Corbin Russwin Adams Rite® Lori	DL3000 Series Cylindrical Deadlocks only. 1800 Series, 4015 Deadlocks; 4500 and 4700 Series Latch Locks. CR4500, CR4600 Series Deadlocks.
	A04	Reg. 756F53 IC	Corbin Russwin	DL4000 Series Mortise Deadlocks only.
	A05	Reg. 756F54 IC	*Adams Rite*	CR4070 Series Deadlocks.
	A06	Reg. 756F55 IC	Schlage®	L9000 Series (Cloverleaf only).
	A07	Reg. 756F56 IC	Corbin Russwin	DL4100 Series Deadbolts
	A61	Reg. 562F40	Corbin Russwin	Mortise Series deadbolt function master ring locks manufactured **since June 10, 1993** (silver case). Adapt earlier (gold case) model to use this cam by installing thumbturn hub 562F41-2.
	A62	Reg. 756F58 IC	Corbin Russwin Corbin Russwin DORMA	Mortise Series Master Ring classroom (55) function and inside of vestibule (42) function mortise locksets. CR900 Series Mullion, CRWS700 Series Mullion (Both KRM) Mortise Locks
	A65	Reg. 025F72	Corbin Russwin	Mortise Series: required for master ring deadbolt functions manufactured **before June 10, 1993** (gold case) and for outside of current vestibule (42) function. Optional for current non-deadbolt functions except classroom (55) and inside of vestibule (42) function.
	A92	Reg. 756F62 IC	Corbin Russwin	Concealed vertical rod exit device outside grip handle operators 01 and 02.

Cams for obsolete Corbin Russwin products or models

 A63	121F01	Corbin Russwin	Black cast iron case master ring mortise locks, except models with 1" throw deadbolt.
 A64	135F19	Corbin Russwin	Black cast iron case master ring mortise locks with 1" throw deadbolt.
 A93	Reg. 281F27 IC 362F43	Corbin Russwin	610 and 1403 Series Cylindrical Deadlocks.

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Standard Collars +

Spring		
	253F97	.150" (5/32")
	249F43	.096" (3/32")
	549F51	.156" (5/32") - Ring only
	549F52	.219" (7/32") - Ring Only
	605F43	.350" (11/32")
	428F66	Packet: 549F52 + 253F97
	429F43	Packet: 549F51 + 249F43

Solid, Recessed for Cylinder Head		
	700F53	.090" (3/32") VR trim, double cylinder 1-1/4"
	261F54	.094" (3/32") x 2-1/4" O.D. for ED6000 with T5, T6, T9, T9M, T10, T10M, T11M trim
	270F15	.156" (5/32"); total projection 9/32"
	598F89*	.156" (5/32"); total projection 9/32"
	447F41*	.031" (1/32"); total projection 1/4"
	447F42*	.172" (11/64"); total projection 25/64"
	610FO1*	.221" (7/32"); total projection 7/16"
	610F02*	.289" (9/32"); total projection 1/2"
	654F07	.350" (11/32"); total projection 15/32"
	447F43*	.375" (3/8"); total projection 19/32"
	609F36*	.500" (1/2"); total projection 23/32"
	609F37*	.650" (21/32"); total projection 7/8"
	609F38*	.850" (27/32"); total projection 1-1/16"
	134F05	.510" (1/2") for ED6800 x B5 or G6 and all ED7400, ED7800 with 1-1/8" cylinder
	267F97	.635" (5/8") for ED6800 x O1 or O2 with 1-1/8" and ED6800 x B5 or G6 and all ED7400, ED7800 with 1-1/4" cylinder
	399F48	.750" (3/4") for ED6800 x O1 or O2 with 1-1/4" cylinder
	654F08	.550" (9/16"); total projection 11/16"

Spacers for Flexible Head Cylinders		
	370F29	.125" (1/8")
	370F31	.250" (1/4")
	252F82	.315" (5/16")

Other Solid Collars		
	416F39*	.172" (11/64") security collar; total projection 13/32"
	686F98*	.172" (11/64") security collar; total projection 13/32" (3 wave washers)
	303F25	.312" (5/16") for 1-1/8" cylinder on aluminum door

Miscellaneous		
	255F53	Rim cylinder, flush mount
	422F88	Rim cylinder, surface mount
	197F34	Wave washer

*** Number includes wave washer in packet**

+ Refer to corresponding parts and service manuals for correct cylinder collar applications and selection guide

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Cylinder Accessories

Collars and Master Ring Adapter

Key Systems

Master Ring Collars +

Solid, Recessed for Cylinder Head		
	447F44*	.031" (1/32"); total projection 1/4"
	447F45*	.172" (11/64"); total projection 25/64"
	447F46*	.375" (3/8"); total projection 19/32"
	699F81*	.505" (1/2"); total projection 23/32"
	261F55	.094" (3/32") X 2-1/4" O.D. for ED6000 with T5, T6, T9, T9M, T10, T10M, T11M trim
Spacers for Flexible Head Cylinders		
	366F70	.090" (3/32") tapered
	370F33	.094" (3/32")
	370F35	.281" (9/32")
Miscellaneous		
	255F54	Rim cylinder, flush mount
	197F35	Wave washer

*** Number includes wave washer in packet**

+ Refer to corresponding parts and service manuals for correct cylinder collar applications and selection guide

Master Ring Adapter



For installing standard diameter mortise cylinder in master ring lockset.
Specify 522F93-2.
Order cam separately. See page 40.

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Collars

- 1-3/4" (44mm) thick door. For other door thicknesses and trim considerations, contact Corbin Russwin Technical Product Support.
- Mortise Cylinders – 1-1/4" (32mm) length



	Spring	Solid								Surface Mount
	605F43 (.350)	447F41 (.030)	700F53 (.090)	270F15 (.156)	598F89 (.156)	447F42 (.172)	610F02 (.289)	447F43 (.375)	654F07 (.350)	267F97 (.635)	422F88 (.000)
Mortise Cylinder											
High Security Separately (1020, 1030)							X				
Security Separately (1027, 1037)	X										
Mortise Lock											
Single Cylinder											
Sectional							X				
N Escutcheon					X						
P Escutcheon					X						
M Escutcheon					X						
L & R Escutcheon		X									
T Escutcheon (no collar required)											
Double Cylinder											
Sectional								X			
N Escutcheon							X				
P Escutcheon							X				
M Escutcheon							X				
L & R Escutcheon						X					
T Escutcheon						X					
V Escutcheon			X								
Auxiliary Locks											
DL4011, 4013, 4017						X					
DL4012								X			
Rim Cylinder											
High Security Separately (CR3020, CR3030)											X
Security Separately (CR3027, CR3037)											X
Exit Devices											
ED4000-5000 Series											
700 Trim, F2, F3, T13, P9									X		
K1				X							
700M Trim, F2M, F3M, T13M							X				
900 Trim											X
Cylinder Dogging				X							
ED6000 Series											
N3, G4, T3				X							
N4M, G5M											X
T7M, T9M					X						
ED7000 Series											
P4, P6, P7		X									
C4, 03, 05										X	
T11				X							
ED8000 Series											
KO											X
F1, P1, P2 (no collar required)											

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Corbin Russwin
ASSA ABLOY

Plug Diameters/Quick Codes

Key Systems

Corbin Russwin Cylinder Plug Diameters

When combinating Corbin Russwin cylinders, the diameter of the plug determines the set of bottom pin and build-up pin lengths to use. The plug diameter is either .509" or .552". All Pyramid cylinders have a plug diameter of .496" and have their own pin kit. Current Corbin Russwin cylinder plug diameters are listed below by product series. Before 1983, however, all Corbin® X Class cylinders used .509" diameter plugs.

CL3200 Series*	Security Bolt	.509"	1400/4300 Series (obsolete)	Cylindrical	.552"
CL3100, CL3300 CL3500, CL3800 Series	Cylindrical	.509"	Pyramid Series	All	.496"
CL3400 & CL3600 Series*	Cylindrical	.509"			
CL3700 Series*	Cylindrical	.509"	Mortise Cylinders		.552"
CL3900 Series*	Cylindrical	.509"	Rim Cylinders		.552"
CK4200* CL3500, CL3800 Series	Cylindrical	.552"	Interchangeable Cores		.509"
CK4300 & CK4400 Series	Cylindrical	.509"	Padlocks		.509"
CK4700 Series	Cylindrical	.509"	Competitors' Key-in-Lever/Knob		.552"
UT5200 Series	Unit Lock	.552"	Security, all cylinders		.552"
DL2200 Series	Deadlock	.509"	Exit Devices, except IC		.552"
DL3000 Series	Deadlock	.552"	A6/N6/PR6 trim and obsolete		.509"
DL3200 Series	Deadlock	.509"	NS/AS trim		.509"

Cylinder Options

Description	Quick Code
IC 6-pin with temporary construction core (Red) IC 6-pin with temporary construction core (Blue) IC 6-pin with temporary construction core (Green)	CT6R CT6B CT6G
IC 6-pin with disposable temporary core	CT6D
IC 6-pin with SFIC disposable temporary core[1] (Mortise)	CT6SD[1]
IC 6-pin with small format temporary disposable core	CTSD
IC 7-pin with temporary construction core (Red) IC 7-pin with temporary construction core (Blue) IC 7-pin with temporary construction core (Green)	CT7R CT7B CT7G
IC 7-pin with disposable temporary core	CT7D
IC 7-pin with SFIC disposable temporary core[1] (Mortise)	CT7SD[1]
Pyramid with temporary construction core	CTP
Pyramid with disposable temporary core	CTPD
SFIC 6-pin with less core (rim and mortise)	CLS6
SFIC 7-pin with less core (rim and mortise)	CLS7
Bump-resistant cylinders	BRP

Keying Options

Description	Quick Code
0-bitted with 2 blank keys (except HS, CHS)	(standard)[5]
Keyed random	KR
Keyed alike	KA
Keyed to specific bitting (specify bitting)	KS
Uncombinated (Keys not provided)	UC[4]
Construction master keyed	CMK (Not available with interchangeable core)

Key Quantity Options

2 change keys per cylinder[2]	(standard)[2]
Other than 2 change keys per cylinder (i.e. customer requests 6 change keys per cylinder)	KY# (i.e., KY6)
No change keys	KY0
Master keys (if required)[3]	Specify Qty.
Control keys (if required)[3]	Specify Qty.
CMK keys (if required)[3]	Specify Qty.
CMK control keys (if required)[3]	Specify Qty.
SKD control keys (if required)[3]	Specify Qty.
Special purpose keys, i.e., ENG (if required)[3]	Specify Qty.

[1]Corbin Russwin does not furnish permanent SFIC cores
[2]Keys shipped separately for security and Pyramid master keyed cylinders
[3]Order as cut keys
[4]Pyramid High Security and Master Ring cylinder not available UC
[5]Pyramid cylinders are not available 0-bitted
*Discontinued

Collar Options - Mortise and Rim Cylinders Only

Description	Quick Code
Collar packet (549F52 + 253F97)	428F66
Rim collar, flush mount	255F53
Rim collar, flush mount (master ring)	255F54
Rim collar, surface mount (standard for rim cylinders)	422F88
Solid collar - .030	447F41
Solid collar - .031 (master ring)	447F44
Solid collar - .090 (VR trim only)	700F53
Solid collar - .094	261F54
Solid collar - .094 (master ring)	261F55
Solid collar - .156	270F15
Solid collar - .156	598F89
Solid collar - .172 (tapered security collar)	416F39
Solid collar - .172	447F42
Solid collar - .172 (master ring- standard for MR 118 cylinders)	447F45
Solid collar - .221	610F01
Solid collar - .289	610F02
Solid collar - .312	303F25
Solid collar - .350	654F07
Solid collar - .375	447F43
Solid collar - .375 (master ring)	447F46
Solid collar - .500	609F36
Solid collar - .510	134F05
Solid collar - .550	654F08
Solid collar - .635	267F97
Solid collar - .650	609F37
Solid collar - .749	399F47
Solid collar - .850	609F38
Spacer for flexible head cylinders - .125	370F29
Spacer for flexible head cylinders - .250	370F31
Spacer for flexible head cylinders - .315	252F82
Spacer for flexible head master ring cylinders - .094	370F33
Spacer for flexible head master ring cylinders - .281	370F35
Spacer for flexible head master ring cylinders (tapered) - .090	366F70
Spring collar - .150 (standard for 118 cylinders)	253F97
Spring collar - .219	549F52
Spring collar - .350 (standard for 114 cylinders)	605F43

Experience a safer and more open world

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45078 6/19

Quick Codes/How to Order

Key Systems

Stamping Options*

Description	Quick Code
Keys stamped with bitting number	(standard)
No keyset or bitting stamping on keys	VKC0
Keys only stamped with keyset (standard for HS, CHS, PS, PHS, PCS, PCHS)	VKC1
Keys stamped with keyset, cylinders stamped with keyset on face of plug - not available for HS, CHS, PS, PHS, PCS, PCHS	VKC2
Keys stamped with bitting, cylinders stamped with keyset on face of plug - not available for HS, CHS, PS, PHS, PCS, PCHS	VKC3
Keys stamped with keyset, cylinders stamped with keyset in concealed location	CKC2
Keys stamped with bitting, cylinders stamped with keyset in concealed location- not available for HS, CHS, PS, PHS, PCS, PCHS	CKC3
Less Trade Mark (No Corbin Russwin logo on cylinders)	LTM

*see page 6 for detailed descriptions

KeyBow Options

Description	Quick Code
Corbin Russwin logo	(standard)
Plain both sides	KB11
Do Not Duplicate	KB12
US Property Do Not Duplicate	KB13
Protected Do Not Duplicate (only for protected keyways)	KB19
Restricted Do Not Duplicate (only for restricted keyways)	KB19
Pyramid (only for Pyramid keys)	KB28
Large bow, plain both sides	KB51
Large bow, Do Not Duplicate	KB52
Large bow, US Property Do Not Duplicate	KB53
Large bow, protected Do Not Duplicate (only for protected keyways)	KB19
Large bow, Restricted Do Not Duplicate (only for restricted keyways)	KB59
Security bow Corbin Russwin logo (only for security keys)	KB90
Security bow plain both sides (only for security keys)	KB91
Security bow, Do Not Duplicate (only for security keys)	KB92
Security bow, US Property Do Not Duplicate (only for security keys)	KB93
Security bow, protected Do Not Duplicate (only for security keys, protected keyways)	KB99
Security bow, Restricted Do Not Duplicate (only for security, restricted keyways)	KB99

How to Order Cylinders

Mortise Separately

Keyset	Cylinder	Length	Cam	Pins	Keyway	Finish
AA1	CR1000	118	A01	7	L4	626

Rim Separately

Keyset	Cylinder	Length	Pins	Keyway	Finish
AA1	CR3000	058	7	L4	626

Key-in-Lever/Knob Separately

Keyset	Cylinder	Lockset Series	Pins	Keyway	Finish
AA1	CR2000	033	7	L4	626

IC Cores Separately

Keyset	Cylinder	Pins	Keyway	Finish
AA1	CR8000	7	L4	626

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Service Equipment

Pin Kits

Key Systems

Single System Pin Kits

For the end user with one Corbin Russwin System 70 keying system to maintain. Each kit has all pins necessary to combinate interchangeable core and master ring cylinders, as well as conventional cylinders (both .509" and .552" plug diameters). Furnished in a handsomely finished hardwood case with combinating instructions on the inside of the lid. Includes key gauge, tweezers and both diameter plug followers.

PK-70-ZDH

For pinning all types of cylinders (except security) with Z Class keyways: 59, D, H and L Series, plus 60, 70 and restricted/ protected keyways using System 70 depths (1-6).

PK-70-X

For pinning all types of cylinders with X Class keyways: 27, 57, 67 and 77 Series, plus AR, BR, BL, 97 and 99 using System 70 depths (1-6).

PK-70-N

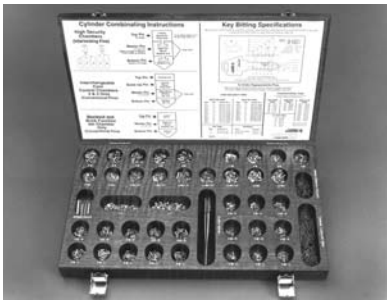
For pinning all types of cylinders with N Class keyways: N1-N28 using System 70 depths (1-6).



PK-70-ZDH
PK-70-X
PK-70-N

Security Pin Kit
PK-70-HS

For security cylinders, including interchangeable core, Brink and blockout function. Furnished in a handsomely finished hardwood case with combinating instructions on the inside of the lid. Includes tweezers.

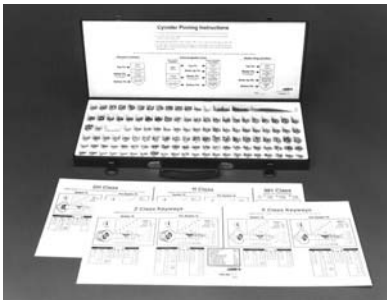


PK-70-HS

Deluxe Pin Kit
PK-1070

Ideal for locksmiths and distributor service personnel who must service a variety of Corbin Russwin keying systems. Also for end users with Pre-System 70 keying systems.

Contains all pins required to combinate standard, IC and master ring cylinders. Accommodates System 70 and non-System 70 for both plug diameters and all key classes. Furnished in a reinforced steel case with combinating instructions on the inside of the lid. A separate, removable, two-sided chart contains pin lengths for all modern key classes. Includes tweezers and both diameter plug followers.



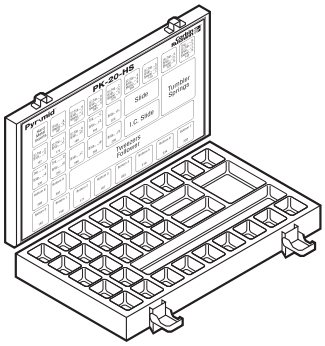
PK-1070

PK-20-HS

Each pin kit has all the pins necessary to combinate standard and interchangeable core Pyramid High Security cylinders. Includes tweezers, plug follower, key gauge and combinating instructions.

PK-20-PS

Each pin kit has all the pins necessary to combinate standard and interchangeable core Pyramid Security Cylinders. Includes tweezers, plug follower, key gauge and combinating instructions.



PK-20-HS

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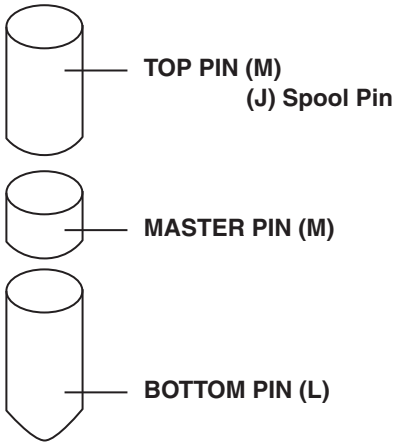
Replacement Pin for Kits

For a complete listing of all Cylinder Components, refer to Cylinder/Owner's Manuals.

How to Order Conventional Pins

Suffix 3-digit length in thousandths of an inch to base number.
Example: .160" bottom pin is 553F484-160.

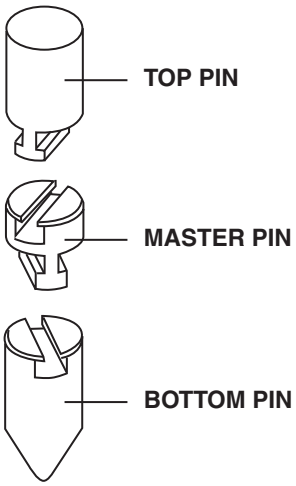
Description		Number
Specify quantity of vials (100 pins/vial):		
	Bottom Pins (L Series)	553F48-4 + length
	Master/Top/Build-up Pins	553F49-2 + length
	(M Series)	
	Spool Top Pins (J Series)	553F50-2 + length
Specify quantity of vials (1500 balls/vial):		
	Construction Balls	546F97-8
• Pins are packaged in a secure, spill-proof plastic vial with hinged top.		
• 12 vials per master carton.		



How to Order Security Pins

Replace the "x" in the part number with the pin's skew number.
Bottom pins use skews **L** (1) and **R** (2).
Master pins use skews **L** (1), **R** (2) and **S** (3).
Example: #2 master pin with S skew is 407T334-097.

Description		Number
Specify quantity of pins (must be multiple of 20):		
	Bottom Pin, #2	407T4x4-242
	Bottom Pin, #3	407T4x4-270
	Bottom Pin, #4	407T4x4-298
	Bottom Pin, #5	407T4x4-326
	Bottom Pin, #6	407T4x4-354
	Master Pin, #2	407T3x4-097
	Master Pin, #3	407T3x4-125
	Master Pin, #4	407T3x4-153
	Top Pin #1 (long)	407T43-4193
	Top Pin #2 (short)	407T43-4158



How to Order Pyramid Security Pins

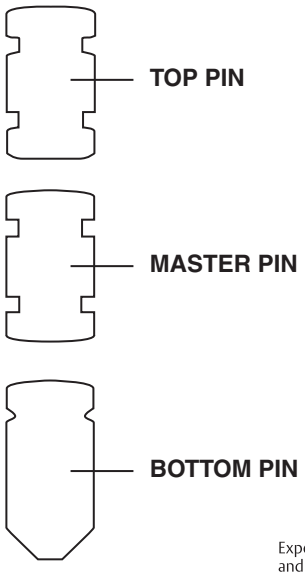
Suffix 3-digit length in thousandths of an inch to base number.

Description		Number
Specify quantity of vials (100 pins/vial):		
	Bottom Pins (Nickel Silver)	695F244 + length
	Master/Build-up Pins/Top	695F252 + length
	(Brass)	

How to Order Pyramid High Security Pins

Suffix 3-digit length in thousandths of an inch to base number.

Description		Number
Specify quantity of vials (100 pins/vial):		
	Bottom Pins (Stainless Steel)	695F247 + length
	Master/Build-up Pins/Top	695F257 + length
	(Stainless Steel)	



How to Order Pyramid Bump Resistant Pins

Description		Number
Specify quantity of vials (100 pins/vial):		
	Size A	628F107142
	Size C	628F107236

How to Order Pyramid P6 Side Pins

Description		Number
Specify quantity of vials (20 pins/vial):		
	P6 Side Pin	630F494

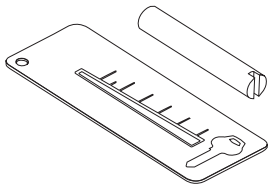
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Service Equipment

Replacement Pin for Kits

Key Systems

Cylinder Tool Kit No. CT-93



Kit No. CT-93 contains the following items (also available separately):

CT-4	Follower for 509" diameter plugs
CT-11	Key gauge for Corbin® X and Z Class System 70 and pre-System 70
CT-19	Tweezers
CT-21	Key gauge for Russwin® N Class System 70 and pre-System 70
CT-22	Key gauge for Russwin DH Class System 70 and pre-System 70
CT-23	Key gauge for Russwin 981 and 852 Classes
CT-54	Follower for .552" diameter plugs

Pyramid Tools

CT-20	Pyramid plug follower (.495" diameter)
CT-20K	Key Gauge for Pyramid

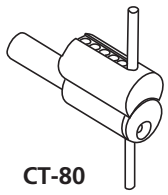
Other Tools

CT-5	Pin Chamber Reamer
CT-7	Pin Chamber Burring Tool
CT-10	Loading tool for CK4400 Series and IC cylinder shells

Cylinder Installation Wrench No. CT-80

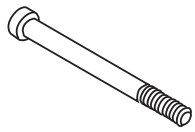
CT-80 is for interchangeable core mortise cylinders. It is used to:

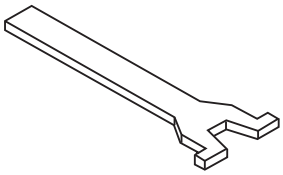
- Install and remove Corbin Russwin interchangeable core mortise cylinder housing without marring cylinder scalp finish.
- Test cam operation before fastening the mortise cylinder set screw.
- Align the pins of the throw member before installing the core.

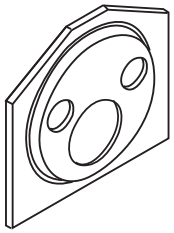


CT-80

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Screws	
438F41 -8	Cam screw, mortise cylinder and RFC padlocks
438F42-8	Cam screw, IC mortise cylinder
488F08-8	Mortise cylinder set screw packet (1 screw), standard cylinder size
488F10-8	Mortise cylinder set screw packet (1 screw), master ring
021F68-8	Rim cylinder mounting screw, 2-9/32" long for 1-3/8" - 2-1/2" doors
021F71-8	Rim cylinder mounting screw, 3-1/8" long for 2-3/4" - 3-1/2" doors
Disposable Core 10 Packs	
627F00-9	Corbin Russwin LFIC
707F21-9	Corbin Russwin SFIC
Tailpieces	
655F00-8	5/8" horizontal for rim cylinder CR3000-058
655F01-8	5/8" horizontal for IC rim cylinder CR3080-058
582F29-8	1-1/4" horizontal for IC rim cylinder CR3080-114
490F55-8	1-3/8" horizontal for rim cylinder CR3000-138
253F85-8	1-7/8" horizontal for IC rim cylinder CR3080-178
483F09-8	1-7/8" vertical for IC rim cylinder CR3080-178V
253F76-8	2" horizontal for rim cylinder CR3000-200
413F48-8	2" vertical for rim cylinder CR3000-200V
284F13-8	3-1/8" horizontal for IC rim cylinder CR3080-318
253F77-8	3-1/2" horizontal for rim cylinder CR3000-312
413F49-8	3-1/2" vertical for rim cylinder CR3000-312V
778F778	For CR2000-031 & CR2000-031H cylinders
778F768	For CR2000-031-7 & CR2000-031H-7 cylinders
622F30-8	For CR2000-033 & CR2000-034-7 cylinders
622F29-8	For CR2000-034-6 cylinder
682F29-8	For CR2000-037 & CR2000-033-7 cylinders
596F89-8	For CR2000-038 cylinder
489F02-8	For CR2000-051 cylinder
680F60-8	For CR2000-039 cylinder
681F60-8	ForCR 2000-039L cylinder
Rim Cylinder Back Plates	
253F75-8	For standard and Pyramid rim cylinders
135F10-8	For master ring rim cylinders
Retainers	
173F79-8	.020" thick for CR2001 -051 cylinder
368F91-8	.030" thick for rim, CR2200, CR2210 & CR3000 Series cylinders
488F92-8	.032" thick for CK4200 and 1400/4300 Series locks
333F99-7	For CK4400 Series Locks, 4300 Series Cylinders, 8000 cores and Pyramid
655F41-5	For CR3080 IC rim cylinder
680F64-5	Threaded cap for CR2000-033, 034, 037, 039, Security & Pyramid KIL cylinders
585F31-2	Cap pin for above
Springs (Ordered in multiples of 100)	
585F32-7	For CR2000-033, 034, 037, 039, Security & Pyramid KIL cap pin)
792F997	IC Conventional & Security
603F20-7	Fixed Core Conventional & Security
026F75-7	Hotel Mortise blocking pin
697F50-7	All Pyramid Cylinders
314F98-7	For CR2001-034 indicator
Spring Covers	
217F42-2	5-pin brass (Rim/Mortise/IC)
217F44-2	6-pin brass (Rim/Mortise/IC/Pyramid IC)
314F88-7	6-pin stainless (2000 Series Knob/Lever)
217F43-2	7-pin brass (Rim/Mortise/IC/Pyramid Rim & Mortise)
585F39-7	7-pin stainless (2000 Series Lever/Pyramid KIL/KIK)
411F092	Pyramid KIL/KIK for other manufacturers products (2200 Series)

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Corbin Russwin
ASSA ABLOY

Policies and Procedures

Key Systems

Procedures

Corbin Russwin keying systems utilize the Standard Key Coding System illustrated on the following pages. To ensure prompt and accurate processing, purchase orders should be written using these key symbols to describe each master keyed item.
In addition to the key symbol, Corbin Russwin requires the following information on the keying system for ALL orders:

- End User (job) Name
- City, State, Zip Code
- Special key bows or key stamping
- VKC/CKC requirements (see page 6)

New Systems or New Branches of Existing Systems

Indicate system expansion in terms of estimated numbers of key combinations, not doors. All of this information is essential at the inception of a keying system in order for Corbin Russwin to ensure accommodation of the end user's present and future needs. Advise as follows:

- How many levels of keying?
- Plan for a construction master key?
- Any selective master keys, such as ENG?
- How many changes for each master?
- How many masters for each grand master? If mixing Corbin Russwin cylinder types, indicate clearly where each type of cylinder will be used within the expansion parameters:
  - Which masters or grands have security cylinders under them?
  - Which have interchangeable cores?
  - Which have master ring?
  - Which have conventional cylinders?

Existing System Add-Ons

For prompt processing, orders must include a positive identification for the keying system in addition to the job name, city, state and zip code. Any ONE of the following is positive ID:

- Registry number stamped on any existing factory master key
- Previous factory order number together with the year of that order

Letters of Authorization

No letter is needed when the items are to be drop shipped directly to the end user. In all other cases, to preserve the security of the end user's keying system, Corbin Russwin requires a letter of authorization on the end user's letterhead to obtain the following:

- Bitting lists
- Security blanks and cut keys
- Master level cut keys
- Protected key blanks, cylinders and plugs
- Pyramid key blanks, cylinders, and plugs

The letter of authorization can be brief but should include a specific description of what is being authorized for release, and a positive key system identification.

XYZ Corporation

1 Main St.
Anytown, USA 00001
(203) 555-5555

(Current Date)

Corbin Russwin Architectural Hardware
Key Systems Dept.

We authorize Acme Distributors to obtain a copy of the bitting list for our keying system GGMX5555. We also authorize them to order the quantities of master keys on our attached purchase order 1234AB.

Sincerely,

Gordon Morris
Security Director

Pyramid Key Discard Policy

It is essential that cut keys and key blank distribution policies and procedures be maintained and enforced for all Pyramid products.

Authorized Pyramid Distributors

Pyramid is a system-based product. An authorized distributor can stock Pyramid upon specific written authorization from the primary systems administrator of the facility. Authorized distributors have the ability to receive product, key product, cut keys and distribute the product to the facility.

Authorized Pyramid distributors who carry inventory for a specific system must provide valid receipts and disbursements of all Pyramid products, specifically key blanks/cut keys. All Pyramid key blanks to be maintained in the possession of an authorized Pyramid distributor must be accounted for. Any defective, incorrectly cut or damaged Pyramid key blanks must be retained in the distributor's possession to be reviewed and collected by a representative of ASSA ABLOY Door Security Solutions.

Pyramid Primary System Administrators

Any defective, incorrectly cut or damaged Pyramid key blank must be destroyed.

Pyramid Key Warranty

Pyramid key blanks are covered by a 5-year warranty as outlined in the current list price book.

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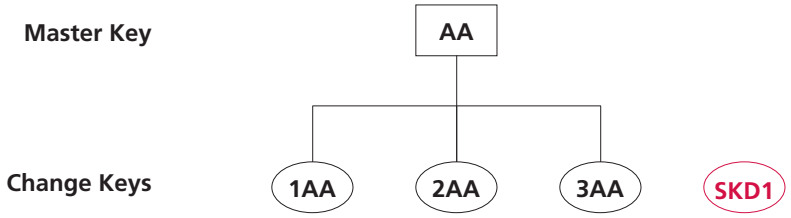
How to Establish Key Systems

Key Systems

To Specify a Simple Master Key System (2 Levels of Keying)

The master key symbol consists of TWO letters, such as **AA**. The change key numbers are added to the master key letters. The numbers come FIRST: **1AA**, **2AA**, **3AA**, etc.

When locks are required which are not operated by the master key or other change keys in the system, they are referred to as "single keyed" and given symbols **SKD1**, **SKD2**, etc. When all higher levels of master keys are to be disallowed, suffix (**NMK**) to the symbol of the key which is to operate. This means "not master keyed." Cylinder 1AA(**NMK**) is operated by **1AA** only. The **AA** master is blocked from operation.



To Specify a Grand Master Key System (3 Levels of Keying)

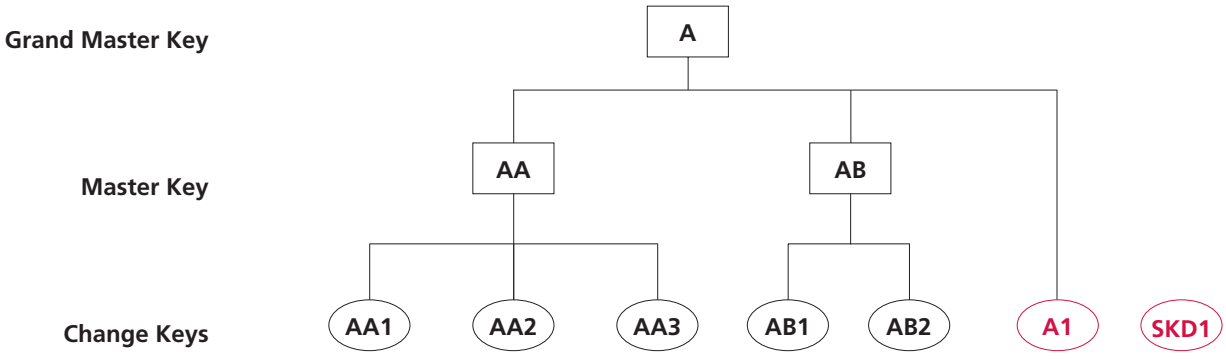
The grand master is assigned any ONE letter, such as A. The master keys under this grand are assigned TWO letters, the first of which must be the same as the grand: **AA**, **AB**, **AC**, etc. are all masters under grand **A**. Masters **BA**, **BB**, **BC**, etc., are all under grand **B**. Caution: Do not use the letters **I**, **O** or **Q** because of possible confusion with the numerals 1 and 0, respectively. Also do not use the letter **X** due to confusion with cross keying. Change key numbers come after the letters.

For master keys beyond **AZ**, insert a numeral between the letters to designate which pass through the alphabet they represent. **A2A** through **A2Z** represents the second pass of masters under grand **A**. **A3A** through **A3Z** would be the third. Change keys under these masters have the numbers suffixed in the usual way: **A2A1**, **A2A50**, etc.

If the cylinder is to be operated by its change key and nothing lower than the single lettered GMK, the change number is added to the GMK symbol. This is illustrated by the example **A1** in the schematic shown.

When locks are required which are not operated by ANY master keys or other change keys in the system, they are referred to as "single keyed" and given symbols **SKD1**, **SKD2**, etc.

When all higher levels of master keys are to be disallowed, suffix (**NMK**) to the symbol of the key which is to operate. This means "not master keyed" and can be applied to any level in the system. Cylinder **AA1** (**NMK**) is operated by **AA1** only. The **AA** master and **A** grand are blocked from operation. Cylinder **AA** (**NMK**) would be operated by the **AA** master only. Grand **A** does not operate.



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How to Establish Key Systems

4-Level Systems

Key Systems

To Specify a Great Grand Master Key System (4 Levels of Keying)

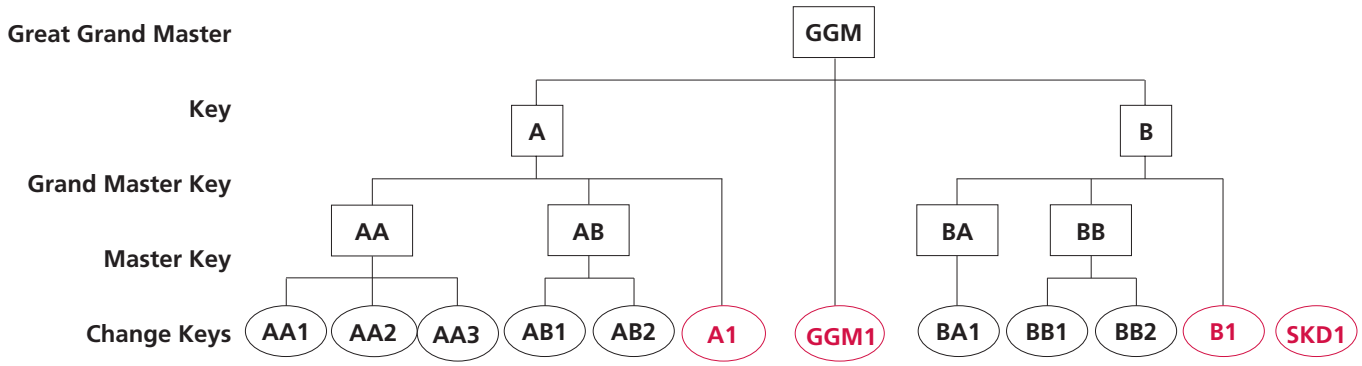
The great grand master key is assigned the symbol **GGM**. The rest of the symbols are the same as those in 3-level systems: The GMKs are assigned single letters, e.g., **A**, **B**, **C**, **D**, etc. Caution: Never use **X** for a grand master key due to the confusion which will result with cross keying symbols presented on page 52.

Masters under each GMK are assigned two letters, the first of which is the same as its respective grand master key. Change key numbers come *after* the letters. Changes under the grand (**A1**, **B1**, etc.) and masters beyond **AZ** are handled exactly as in the 3-level system already described.

Changes directly under a grand are also handled as illustrated in the 3-level system. For changes directly under the **GGM** with no intermediate level masters, the change number is added directly to **GGM** as shown by the example **GGM1** in the schematic.

When locks are required which are not operated by ANY master keys or other change keys in the system, they are referred to as "single keyed" and given symbols **SKD1**, SKD2, etc.

When all higher levels of master keys are to be disallowed, suffix (**NMK**) to the symbol of the key which is to operate. This means "not master keyed" and can be applied to any level in the system. Cylinder **AA1** (**NMK**) is operated by **AA1** only. The **AA** master, **A** grand and **GGM** are all blocked from operation. Cylinder **AA** (**NMK**) is operated by the **AA** master only. Grand **A** and the **GGM** do not operate. Cylinder **A** (**NMK**) would be operated by the **A** grand only, without the **GGM**.



Selective Master Keys

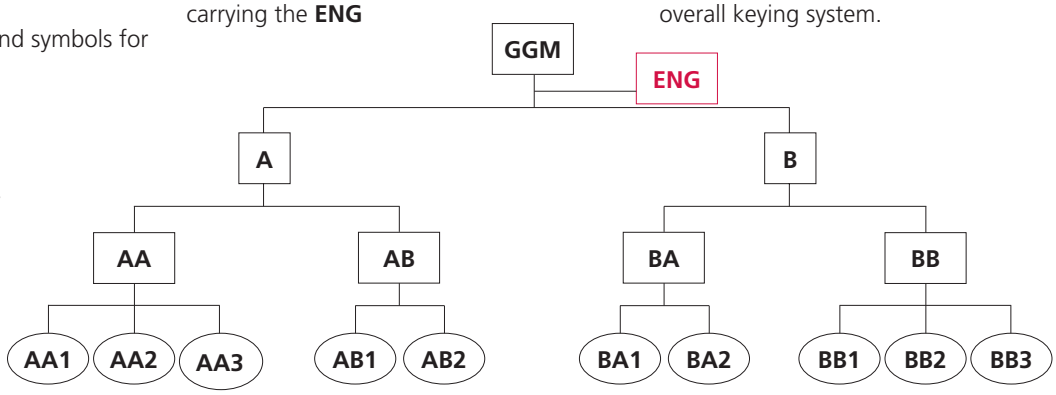
It is often useful in large keying systems to issue a high level master key to maintenance personnel which allows access across all master and grand master key boundaries of a keying system. A selective master key is usually very close to the system's top master key, both physically and through its realm of access. Nevertheless, it must be blocked from operating in many areas.

The most common names and symbols for selective master keys are:

ENG	Engineer's key
ATT	Attendant's key
JAN	Janitor's key
HKP	Housekeeper's key
GRD	Guard's key
MAIN	Maintenance

To designate that a lock be operated by a selective master key, suffix the symbol in parentheses to the standard symbol. Example: **AA1** (**ENG**). This must be added *every time* the selective key is to operate and left off whenever the selective key is NOT to operate. For instance, you may lay out a system in which key **AA1** is to operate two different offices. Inside one of them is an electrical cabinet which must be accessible to maintenance personnel carrying the **ENG** key. That lock must be specified as **AA1** (**ENG**) while the lock for the other office must be specified as **AA1**. Change keys directly under the selective key, such as **ENG1**, are operated by all higher level keys, such as **GGM**.

I.ike cross keying, a selective master key is a convenience feature which decreases the security of the cylinders it operates and limits the expansion and flexibility of the overall keying system.



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How to Establish Key Systems

Key Systems

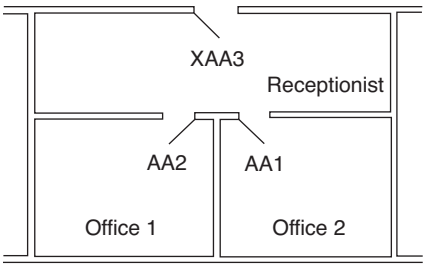
Convenience May Reduce Cylinder Security and Hinder System Expansion

Whenever two or more different keys such as **AA1** and **AA2** are both required to operate the same cylinder, the cylinder's security is reduced. This is called *cross keying*. When the cross keying occurs under all the same higher level keys, such as **AA1** and **AA2**, it is known as *controlled* cross keying. When it combines keys under different higher level keys, such as **AA1** and **AB1**, it is known as *uncontrolled* cross keying.

In addition to reducing the security of the cylinder, cross keying usually imposes limits on the flexibility and expansion of the overall keying system. This is especially true of uncontrolled cross keying. For these reasons, it is strongly recommended to allow personnel to carry more than one key. Cross keying should be discouraged whenever possible. However, when cross keying is required, it is specified as follows, and should be summarized at the beginning of each order.

Case #1

Cylinder requires its own change key. The illustration depicts part of a small medical building where two doctors share a common receptionist. The receptionist gets the **AA3** key. Each doctor carries a key which operates only one office, but is also cross keyed into the entrance from the corridor.

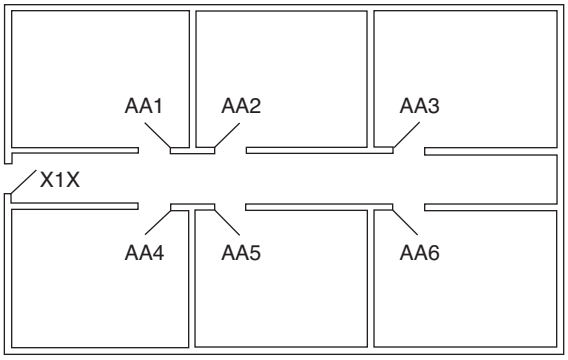


XAA3 operated by AA1, AA2, AA and A.

Determine the symbol of the change key (example: **AA3**). Then prefix the letter X (example: **XAA3**). Then list all keys which are to operate in an "*operated by . . .*" phrase. Example: "**XAA3** operated by **AA1**, **AA2**, **AA** and **A**". Note that **X** is a *cylinder* specification only. The keys for cylinder **XAA3** are designated **AA3**.

Case #2

Cylinder does NOT require its own change key. This illustration depicts a section of a floor in a dormitory. Each student's bedroom key operates the hall door lock. There is no need to construct a key which operates only the hall door.



X1X operated by AA1 through AA6, AA and A.

In this case, place an **X** at both the beginning and end of the symbol and a number between them. Example: **X1X**, **X2X**, etc. Again, *always include the "operated by . . ." phrase* with a complete listing of key symbols to operate.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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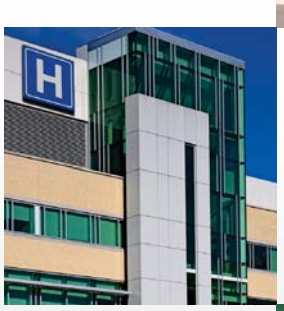


Corbin Russwin®

ASSA ABLOY









Key Systems

Product Catalog

Experience a safer
and more open world

Corbin Russwin
ASSA ABLOY

Applications

Key Systems

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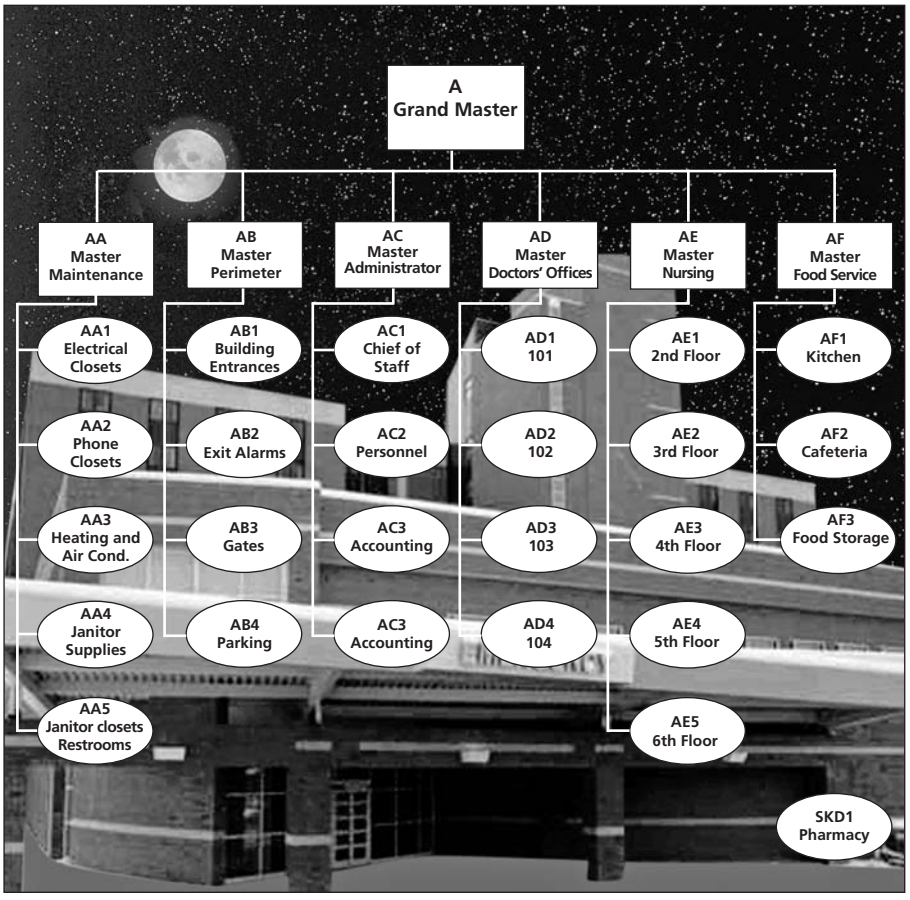
www.corbinrusswin.com

Applications

To provide the desired level of security, even the finest architectural hardware requires a properly designed and maintained master key system.

The keying system is the "software" of a building's security. As shown in the schematic below, it turns each hardware product into an access control device.

The choice of cylinder mechanism must be planned together with the keying system. The variety of mechanisms available from Corbin Russwin offers the right balance of security, convenience and expansion capability for every job.



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Step 1
Determine the type of locking system

- Conventional "open & restricted keyways"
  - Not contract controlled
- Patented locking system
  - A notice of acceptance will be required between Corbin Russwin and Owner
  - Factory-based system
  - Key blank distribution restrictions are in place
- Security (secondary locking mechanisms, example; Pyramid Security)
- High security (same as Security plus UL437 – example; Pyramid High Security)
- Standalone access control locking devices (at door wiring, example; Access 800)
  - To facilitate multiple users through common doors
- Integrated locking systems (hard wired into access control systems)

Step 2
Establish the level of the master key system. The higher the level the less secure.

- Level two – "Simple Master Key system"
  - Change key, and master key only
- Level three – "Grand Master Key system"
  - Change key, master key, and Grand Master Key
- Level four – "Great Grand Master Key system"
  - Change key, master key, Grand Master Key, and Great Grand Master Key
- Levels higher than four are not recommended for security reasons
  - With more levels, additional master pins in each chamber of the cylinder would be required, and with the additional master pins the possibility of unauthorized key interchanges could occur

See pages 50-52 on How to Establish Key Systems.

Step 3
Establish key hierarchy, key issuing policies and procedures, and administrative disciplines.

- Who, if anyone is authorized to carry the top master key?
- Who carries master keys and change keys?
  - Does every employee receive a key?
- What disciplinary action(s) is being put in place for violations?
  - Fines or Deposits
    - > Lost keys
    - > Keys not returned
  - Will there be a key receipt required?
    - > Where will that be kept?
- Who is the systems administrator?
  - Authorized to purchase
  - Responsible for Key Control Administration
- Who is the Key Control Administrator?
  - Maintain key control software & all transactions

Step 4
System Layout

- Helpful Hints
  - KISS "Keep It Simple System"
    - > Do not use the term sub-master (not unless it's level 6 and higher)
- Lowest level possible
- Key to the building security objectives NOT to the people
  - Determine if the system is to be designed for Security or Convenience
- No cross keying, especially with patented locking systems and higher
- Key alike within master key groups as much as possible
  - Avoid top-heavy systems (example; few change keys used under masters)
- Has the right function of lockset been selected?
  - Storeroom vs. Classroom vs. Entry
  - Single cylinder vs. double cylinder
    - > If double cylinder, how is the inside cylinder to be keyed?
- Provide adequate quantity of keys
  - Top Level Master keys: Quantity should be limited to absolute minimum required.
  - Master keys: Quantity should also be limited to only amount required.
  - Change keys per key set and/or per keyed alike sets
  - Special operating keys
    - > Control keys: A Control key is as important as a top level Master key in a removable core system and quantities should therefore be limited to minimum required.

Separate the internal departments into sectors, example are:

- Perimeter
  - Including all exterior doors, roof surfaces, gates and fences, and adjacent buildings.
- Operations
  - Sensitive areas crucial to daily operations, such as plant engineering, security and mechanical operations.
- Management
  - Areas that are vital for daily business activities, primarily human resources, administration, executive offices, IT, sales, and accounting.
- Services
  - Areas that provide employees and visitors with services, such as restrooms, medical treatment areas, housekeeping, food service, retail (unless it's a leased outside source).
- Unique Applications
  - Door openings requiring access control hardware where key override is required, or any other special application which would be unique.
- Tenants
  - Any tenants that are not part of the building.

Step 5
Servicing & Maintenance

- In-house or outside locksmith
  - Ensure proper training
  - Establish key cutting log
  - Establish service request procedures
- Service equipment
  - Key kit
  - Code cutter that complies with systems depths & spacing specifications
  - Locksmithing tools, fixtures & accessories
- Establish stock levels & requirements to avoid misuse of multi-section key blanks
  - Additional cylinders ready for emergencies
  - Additional key blanks (of all keyways)
- Who or where are the key blanks going to be kept?
- Who is authorized to cut keys?
  - What form of work order will be used to authorize cutting of keys?
  - Who will sign the work order?
  - What records will be kept & where?
- What type of reports will be required?
  - Overdue keys
  - Miss-cut keys
    - > Who receives the reports?
- Once a key has been cut, what instructions are given to the recipient?
  - Key receipt recommended
- Ensure that all transactions are recorded by the Key Control Administrator
- ENFORCEMENT FROM THE START! SUPPORT AND BACK THOSE WHO ARE RESPONSIBLE FOR MAINTAINING AND SERVICING THE SYSTEM.

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Corbin Russwin
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Key Wizard®

Key Systems

Key Management Software

Advantages

A key management software program is essential for any type of organization. Keeping track of the key holders in a master key system is critical for maintaining key control and ensuring the security and integrity of the system. *Key Wizard* by Corbin Russwin was designed to provide a user-friendly tool for facility end users to track detailed information concerning their keying system. It offers improvements over existing key management software by utilizing clutter-free and easily navigated screens. This system uses a Microsoft® Outlook® type of layout.

Key control for a facility is maintained by adopting a complete system of policies, procedures, record keeping and specialized products. A comprehensive key management software program is one aspect of a complete key control system.

Key Wizard by Corbin Russwin provides the facility with accurate information concerning keys, key holders, hardware locations, master key systems, overdue keys and maintenance service schedules, all of which can be customized.



Features:

- Free technical support and free software upgrades for one year
- Customized query, report and search capability
- Comprehensive hardware listings for door locations
- Displays key holder photos and signatures for verification
- Clear, easy to read screens
- Automatic reminders for maintenance, back-ups and overdue keys
- Network and standalone versions available
- Accurate key symbol sorting
- Audit trail tracks changes made to keyholders
- Printing of door number labels to ensure proper cylinder installation
- Key authorization tracking
- Customized key receipts and authorization forms
- Tracking of loaned keys and key deposits
- Stores maintenance service history records
- Can manage multiple end users and multiple key systems for most manufacturers
- Importing of key systems, keyholders and locations
- Exporting of key systems and locations
- Global key search across multiple master key systems
- Multi-level password protection
- Download of key bittings to ITL9700 Code machine
- Pinning Calculators

Computer System Requirements:

- 500 MHz processor or greater
- Windows 98, 2000, ME, NT, XP, Vista, 7, or 10
- 64 MB RAM
- 70 MB hard disk space

Demo Version

Demo versions are available. Demos can be downloaded from the Corbin Russwin website at **http://www.corbinrusswin.com or www.keywizard.net**

How to Order:

All *Key Wizard* programs are licensed specifically to each facility end user. Special online ordering procedures apply. The following information is required for each system:

End User Facility Name
End User Contact Individual
Mailing Address
Phone Number

Key Wizard Technical Support:
1-800-610-1706

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How to Order Cylinders — Numbering Scheme Overview

Key Systems

CR10	0	0	–	118	–	A01	–	6	–	L4	–	Finish x Options*

Cylinder Type	Mechanism	Function	Length	Cam	Pins	Keyway
CR10 Mortise CR11 Flex Head Mortise CR12 Concealed Shell Mortise CR13 Thumbturn Mortise CR14 Dummy Mortise CR15 Access 3 Mortise - AP CR16 Access 3 Mortise - AS CR17 Access 3 Mortise - AHS CR20 Knob/Lever CR21 Continental Knob CR22 Competitor Knob/Lever CR23 Access 3 Competitor Knob/Lever CR24 Competitor Keyways CR25 Access 3 KIK/KIL - AP CR26 Access 3 KIK/KIL - AS CR27 Access 3 KIK/KIL - AHS CR28 Access 3 Competitor KIL - AS CR29 Access 3 Competitor KIL - AHS CR30 Rim CR33 Thumbturn Rim CR35 Access 3 Rim - AP CR36 Access 3 Rim - AS CR37 Access 3 Rim - AHS CR42 Special Application CR44 DL2200, DL3200 CR45 Access 3 DL2200/ DL3200 - AP CR46 Access 3 DL2200/ DL3200 - AS CR47 Access 3 DL2200/ DL3200 - AHS CR80 IC-Core Only (LFIC) CR85 Access 3 IC Core - AP CR86 Access 3 IC Core - AS CR87 Access 3 IC Core - AHS CR2300 RFC Padlock	0 Standard 1 Security 2 Pyramid 3 IC Pyramid Cylinder (LFIC) 4 SFIC Housing 6 Master Ring 7 LFIC Housing 8 IC Complete Cylinder (LFIC) 9 IC Security Cylinder (LFIC)	0 Standard 1 Hotel 3 Classroom 6 Obsolete Crossbar ED6200 7 Pyramid Security 8 UL IC Housing Access 3	**(Mortise Cylinder) Non-IC** 100 1" (25mm) 118 1-1/8" (29 mm) 114 1-1/4" (32 mm) 138 1-3/8" (35 mm) 112 1-1/2" (38 mm) 134 1-3/4" (44mm) 200 2" (51 mm) 214 2-1/4" (57 mm) 212 2-1/2" (64 mm) 234 2-3/4" (70 mm) 300 3" (76 mm) 314 3-1/4" (83 mm) 312 3-1/2" (89 mm) 334 3-3/4" (95 mm) **(Mortise Cylinders) IC** 114 1-1/4" (32 mm) 138 1-3/8" (35 mm) 112 1-1/2" (38 mm) 134 1-3/4" (44mm) 200 2" (51 mm) 214 2-1/4" (57 mm) 212 2-1/2" (64 mm) **(Rim Tailpiece)** 058 5/8" (16 mm) 114 1-1/4" (32 mm) IC 138 1-3/8" (35 mm) 178 1-7/8" (48 mm) IC 178V 1-7/8" (48 mm) vertical IC 200 2" (51 mm) 200V 2" (51 mm) vertical 318 3-1/8" (78 mm) IC 312 3-1/2" (89 mm) 312V 3-1/2" (89 mm) vertical	A01 Cloverleaf A02 Straight A03 Adams Rite® MS A04 DL4000 Series A05 *Adams Rite* 4070 A06 Schlage® Cloverleaf A07 DL4100 Series A61 **New** MR Cloverleaf-locks made after 5/93 A62 MR Straight A63 Large MR Short A64 Large MR Long A65 **Old** MR Cloverleaf - locks made prior to 5/93 A92 Exit Grip Trim 01, 02 A93 Obsolete Deadlocks: Corbin® 610 Series and Russwin® 1403 Series	6 Standard 7	752 852 981 A DH N X Z Access 3 Pyramid

*For cylinder options, see pages 43-44

Finish	
Description	Specify
Bright Brass	605
Satin Brass	606
Bright Bronze	611
Satin Bronze	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze, Equivalent	613E
Bright Nickel Plated	618
Satin Nickel Plated	619
Flat Black Coated	622
Bright Chromium Plated	625
Satin Chromium Plated	626
Bright Stainless Steel	629
Satin Stainless Steel	630
Black Oxidized Bronze, Oil Rubbed	722
Black Suede Powder Coat	BSP
White Suede Powder Coat	WSP

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Cylinder and Key Stamping

VKC and CKC

Key Systems

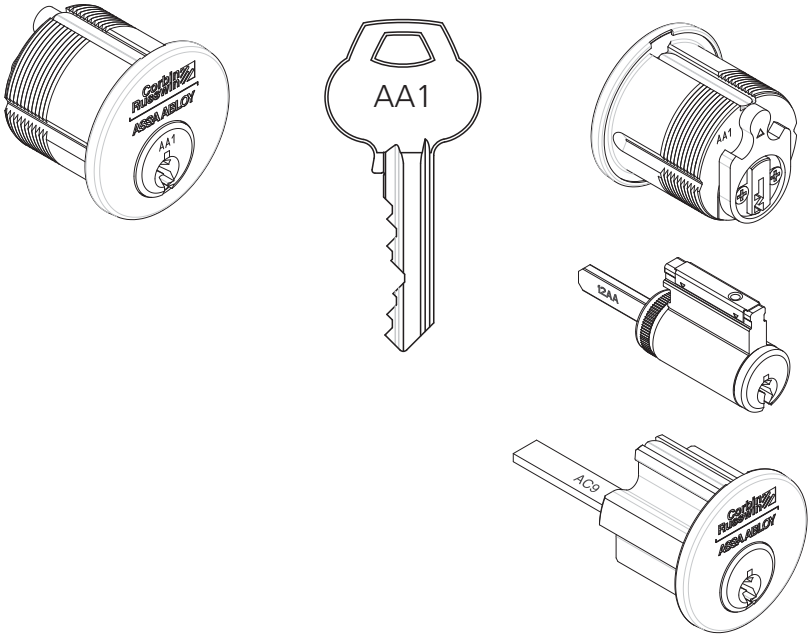
Visual and Concealed Key Control
With these options, keys and/or cylinders are stamped with their respective keyset symbol, so lock mix-ups during installation or key mix-ups afterwards are less likely to happen – and easier to straighten out if they do. Lost keys are also easier to replace. The coded information on the cylinder tells you how the cylinder is keyed, thereby eliminating trial and error.

For example, the symbol AA1 shown in the illustration identifies the lock to be operated by grand master key A, master key AA and change key AA1. Upon written authorization from the building owner to an authorized Corbin Russwin Distributor, a bitting list can be furnished for each job to translate the symbols into key bittings.

If a key is lost, it can easily be replaced by referring to the symbol on the cylinder and the bitting on the bitting list. VKC is not available on Security or Pyramid cylinders.

Visual Key Control (VKC)
For Greater Convenience
The key symbol is stamped on the plug face or other visible portion of the front of the cylinder. (VKC is available on all keys, but not available on Security, CK4400 Series Lockset or Pyramid cylinders.)

Concealed Key Control (CKC)
For Greater Security
For greater security, specify CKC on the cylinders. The key symbol is stamped in a concealed location, such as the rear of the cylinder. It is not visible to the general occupants of the building but can be accessed by authorized personnel upon removing the cylinder from the lockset.



The following codes and definitions have been established for specifying cylinder and key stamping:

Quick Code	Definition
VKC0	No keyset, registry number, keyway, nor bitting stamping on any keys. Includes master keys and change keys. (Keys will be tagged.)
VKC1	Master keys stamped with their keyset symbol and registry number. Change keys stamped with their keyset symbol and keyway.* (Standard for high security and security cylinders.)
VKC2	Master Keys stamped with their keyset symbol and registry number. Change keys stamped with their keyset symbol and keyway.* Cylinders stamped with their keyset symbol on the face of the plug. (Not available for high security or security cylinders.)
VKC3	Master Keys stamped with their registry number. Change keys stamped with their bitting, keyway* and system. Cylinders stamped with their keyset symbol on the face of the plug. (Not available for high security or security cylinders.
CKC2	Master keys stamped with their keyset symbol and registry number. Change keys stamped with their keyset symbol and keyway.* Cylinders stamped with their keyset symbol in a concealed location.
CKC3	Master keys stamped with their registry number. Change keys stamped with their bitting, keyway* and system. Cylinders stamped with their keyset symbol in a concealed location. (Not available for high security, or security cylinders.)

*Keyway will NOT be stamped on the keys for security or high security cylinders, nor restricted or protected keyways unless specifically requested as per the purchase order. (KB18, KB19, KB28 or KB90 series)

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45078 6/19



Construction Master Keying
Construction Master Keying (CMK) is a Corbin Russwin keying option that provides the extra security needed in the transition from construction of a building or complex to completion.

The construction master key operates all Corbin Russwin cylinders while the building is under construction. Upon completion of the construction phase, it can be voided without removing the cylinders from the locks, simply by turning the change key in each cylinder. Construction master keying is not available for interchangeable core. Temporary cores are available for IC jobs that require construction keying.

The permanent master and change keys for the system are always packed and shipped separately, and the order must include the names and addresses of individuals to whom the construction, permanent master and change keys should be sent.

This feature is NOT available on interchangeable core, Access 3, Pyramid, or Security series cylinders.

SKD Caution
Unless otherwise specified, SKD sets will be construction master keyed. When construction master keying is established for SKD sets, Corbin Russwin issues a separate SKD CMK key as well as an SKD CMK Control key if required.

How to Order CMK
To order locksets and/or cylinders with the construction master key feature, the quick code CMK should be indicated as an option.

Temporary Construction Cores

Lockable
A secure method of construction keying for interchangeable core hardware is the use of temporary construction cores. Corbin Russwin recommends this method of construction keying for IC jobs.

Hardware is furnished with construction cores that are keyed alike to a combination unrelated to the permanent system's master key. When the building is turned over to the owner, the permanent cores are installed and the temporary construction cores can be returned to Corbin Russwin for credit.

The IC temporary construction cores are available in red, blue and green. The color options enhance the user's ability to easily control access to different locations on a construction site, or identify different locations for specific keying applications.

How to Order Lockable
IC 6-pin with Red temporary construction core (Red), CT6R
IC 6-pin with temporary construction core (Blue), CT6B
IC 6-pin with temporary construction core (Green), CT6G
For 7-pin, use quick code, CT7
IC 7-pin with temporary construction core (Red), CT7R
IC 7-pin with temporary construction core (Blue), CT7B
IC 7-pin with temporary construction core (Green), CT7G
For Pyramid, use quick code CTP.

Examples:
ML2051 x LSA x 626 x RH x CT6
CR1080 x 114 x A01 x 626 x CTP
CL3355 x NZD x 626 x CT6B
CR1080-114-A01 x 626 x CT6G
Permanent cores must be ordered separately.

Disposable
Corbin Russwin offers two formats of disposable temporary cores. These cores do not require keys for their operation and no returns or credits are allowed.

Disposable cores are available for Corbin Russwin large format interchangeable core (LFIC) housings or for small format interchangeable core (SFIC) housings. Please note that Corbin Russwin does not provide permanently keyed SFIC cores.

How to Order Disposable
LFIC
For 6-pin, use quick code CT6D
For 7-pin, use quick code CT7D
For Pyramid, use quick code CTPD

Examples:
ML2051 x LSA x 626 x RH x CT6D
CR1080 x 114 x A01 x 626 x CTPD
Permanent cores must be ordered separately.

SFIC - Key-in-lever/knob locksets
For 6- and 7-pin, use quick code CTSD

SFIC - Mortise Locks and Exit Devices-Rim Cylinders
For 6-pin housing, use quick code CLS6
For 7-pin housing, use quick code CLS7

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Conventional Mortise

Key Systems

Mortise Cylinders

For use with all mortise locks and DL3000 Deadlocks. IC: page 15. Security: page 17. Master Ring: page 20. Pyramid: page 24.



Type	Length	Cam	Pins	Keyway	Finish
CR1000	100 1" (5 pin only)	(see page 40)	5 (1" length only)	(see pages 31-39)	605
	118 1-1/8" (standard)	A01 Cloverleaf	6 (standard)		606
	114 1-1/4"	A02 Straight	7 (available for 1-1/4"-3")		611
	138 1-3/8"	A03 Adams Rite® MS and			612
	112 1-1/2"	DL3000 Deadlock			613
	134 1-3/4"	A04 DL4000 Deadlock			622
	200 2"	A05 *Adams Rite* 4070			625
	214 2-1/4"	A06 Schlage® Cloverleaf			626
	212 1-1/2"	A07 DL4100			629
	234 2-3/4"	A62 MR Straight / CR900 Series Mullion			630
	300 3"	A92 Exit Grip Trim 01 & 02			722
	314 3-1/4"	A93 Obsolete deadlocks: Corbin® 610 Series and Russwin® 1403 Series			BSP
	312 3-1/2"				WSP
	334 3-3/4"				

Flexible Head Mortise Cylinders

Use Flexible Head mortise cylinders only with sectional trim mortise locks. The head is spring-loaded to adjust for minor variations in door thickness. See page 20 for Master Ring



Type	Length	Cam	Pins	Keyway	Finish
CR1100	100 1" (6-pin std.)	(see page 40)	6 (standard)	(see pages 31-39)	605
	118 1-1/8"	A01 Cloverleaf	7 (available for 1-1/4"- 1-1/2")		606
	114 1-1/4"	A02 Straight			611
					612
					613
					618
					619
					625
					626
					722
					BSP
					WSP

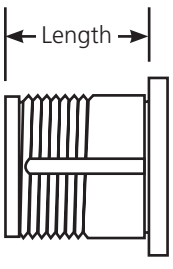
Concealed Shell Mortise Cylinders

Concealed shell cylinders are for mortise locks using "Plug Only to Show" escutcheon trim.

Type	Length	Cam	Pins	Keyway	Finish
CR1200	100 1" (6-pin std.)	(see page 40)	5 (1" length only)	(see pages 31-39)	606
	118 1-1/8"	A01 Cloverleaf	6 (standard)		626
	114 1-1/4"	A02 Straight	7 (available only for 1-1/4"- 1-1/2")		
	138 1-3/8"				
	112 1-1/2"				







Length is measured from behind the cylinder head to the end of the cam.
For cam illustrations and applications, see page 40.

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Hotel Function Cylinders

Guest Key and all normal master keys have limited rotation to retract latchbolt only. Emergency Master Key (EMK) and display key turn 360° to operate deadbolt as well.

Type	Number	Remarks
Standard	CR1001-114-A01	Cylinders are 6-pin. Display and Emergency Master Keys are cut on 7-pin blanks
Flexible Head	CR1101-118-A01	
Concealed Shell	CR1201-114-A01	

Not available with D1, D2, L1, L2, 752, 852 or A Class keyways. Order with A91 cam to accept discontinued Russwin® "G" type long EMK.
Finishes: see Standard, Flexible Head and Concealed Shell Cylinder sections, page 8.

Cylinder for Obsolete Exit Device

For inside of obsolete Corbin® 3726 1/2 and 3727 1/2 and Russwin® 736 1/2 and 737 1/2 only. Cam rotation is limited by steel pins on back of shell.

Application	Number	Remarks
Folger Adam® NS400 Series x LEK	CR1004-118-A02	Clockwise
Folger Adam NS400 Series x LEK	CR1005-118-A02	Counterclockwise

Finishes: 605, 606, 611, 612, 613, 625, 626, 629, 630, 722

1006-118-A02 (6-pin only)
Finishes: 605, 606, 611, 612, 613, 622, 625, 626, 629, 630, 722, BSP, WSP

Thumbturn Cylinders



Classroom function cylinders have a pin to block cam rotation in the locking direction. The pin may be installed on either side of the cam, depending on the hand of the door.

Suffix cam number to basic cylinder number. Example: 1300-118-A03					
Function	**Length**	**Basic Number**	**A02** (147F77)	**A03** (111F55)	**A93** (281F27)
Standard	1"	CR1300-100-	•	•	N/A
	1-1/8"	CR1300-118-	•	•	•
	1-1/4"	CR1300-114-	•	•	N/A
	1-3/8"	CR1300-138-	•	•	N/A
Classroom	1"	CR1303-100-	N/A	•	N/A
	1-1/8"	CR1303-118-	N/A	•	N/A
	1-1/4"	CR1303-114-	N/A	•	N/A
	1-3/8"	CR1303-138-	N/A	•	N/A

Finishes: 605, 606, 611, 612, 613, 622, 625, 626, 629, 630, 722, BSP, WSP
All 1300- and 1303- thumbturn cylinders are available with the M34 Option (Ergonomic Thumbturn)

Dummy Cylinders



These cylinders may be used to fill an opening left when mortise cylinder operation is no longer desired.

Number	Length
CR1400-118	1-1/8"
CR1400-114	1-1/4"
CR1400-138	1-3/8"

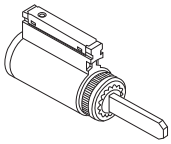
Finishes: 605, 606, 611, 612, 613, 622, 625, 626, 629, 630, 722, BSP, WSP

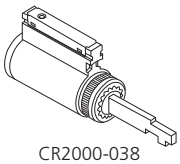
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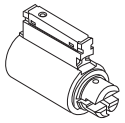
Conventional Component (Key-in-Lever/Knob)

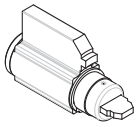
Key Systems

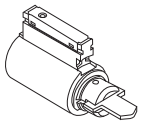
Component Cylinders
Finishes 606, 626

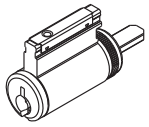

CR2000-031, 033, 034 or 037


CR2000-038


CR2000-052

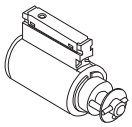

CR2000-044

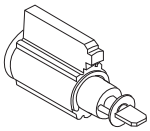

CR2000-051

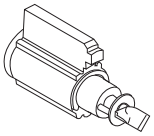

CR2000-031H

Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length) 6-Pin	Tailpiece Part Number (Length) 7-Pin
CR2000	031	CL3100 Lever Trim	(.509")		778F778 (.692")	778F768 (.536")
	031H	CK4300		(.509")	778F778 (.692")	NA
	033	CL3300, CL3500, CL3800, CL3600 (June 2000 and after) Lever Trim - A6/N6/PR6	(.509")		622F308 (.950")	682F298 (.794")
	033H	G1055 ED Trim (Horizontal Tailpiece)		(.509")	622F308 (.950")	682F298 (.794")
	034	CL3400 (Lockset Series Obsolete) CL3600 (Prior to June 2000), A5/N5	(.509")		622F298 (1.106")	622F308 (.950")
	037	CL3700	(.509")		682F298 (.794")	NA
		CK4700		(.509")		
	038	CL3800 (Obsolete 1993-1997 model)	(.509")		596F898 (1.056")	NA
	039	CL3900	(.509")		680F608 (1.700")	NA
	039L	CL3900 (2", 2-1/4" Thick Doors)	(.509")		681F068 (1.950")	NA
	044	CK4400		(.509")	NA Separately	NA
	051	B2/G2/G3 ED Trim		(.552")	489F028 (.890")	NA
	052	UT5200/CK4200	(.552")	(.552")	No Tailpiece	NA

Note #1= For 7-pin version, suffix -7 i.e. 2000-033-7

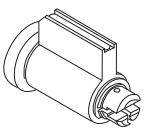

CR2001-052


CR2001-044


CR2001-066

Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length) 6-Pin	Tailpiece Part Number (Length) 7-Pin	Remarks
CR2001	031	CL3129	(.509")		775F958 (.808")	775F968 (.652")	Use CR2001-031-E8 for EMK Blank
	034	CL3329/CL3629 CL3429 (Lockset Series Obsolete)	(.509")		585F338 (1.046")	585F358 (.890")	Use CR2001-034-E8 for EMK Blank
	044	CK4429 (Straight Tailpiece)		(.509")	564F508 (.764")	NA	Use CR2001-044-E4 for EMK Blank
	052	CK4229	(.552")	(.552")	No Tailpiece	NA	Use CR2001-052-E4 for EMK Blank
	066	CK4429 (Twisted Tailpiece)		(.509")	574F128 (.835")	NA	Use CR2001-066-E4 for EMK Blank

Note #1= For 7-pin version, suffix -7, i.e. CR2000-033-7
Note #2= CR2003-044 used for CK4455 & CK4482 prior to August 1993

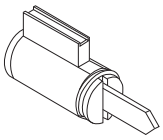

CR2100-052

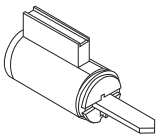
Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length) 6-Pin	Tailpiece Part Number (Length) 7-Pin	Remarks
CR2100	052	Ronde and Continental Knob (Obsolete)		(.552")	No Tailpiece	NA	Finishes 605, 606, 611, 612, 613, 625, 626

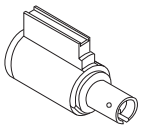
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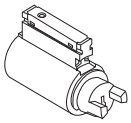
Component (Key-in-Lever/Knob) Conventional

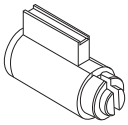
Key Systems

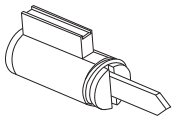

CR2200-001


CR2200-002


CR2200-008


CR2200-076


CR2200-054


CR2200-003

Cylinders for Other Manufacturer's Products - 6-pin

Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length)	Tailpiece Orientation
CR2200	001-A21	Alarm Lock DL2500 Series	(.552")	(.552")	444F748 (.813")	Vertical
		Arrow® H Series Knobs and Levers				
		Arrow Q Series Levers				
		Sargent® 10 Line (Enlarge Lever Hole)*				
		Schlage® D Series Levers				
	001-A22	*Schlage* AL and ND Series Levers	(.552")		461F108 (1.078")	Vertical
	002-A21	*Schlage* D Series Knobs		(.552")	444F748 (.813")	Horizontal
	002-A22	*Schlage* A Series Knobs (PLY, etc.)		(.552")	461F108 (1.078")	Horizontal
	002-A23	*Schlage* A Series Knobs (ORB, only)		(.552")	520F358 (1.328")	Horizontal
	003-A24	Lockwood® H Series Knobs (Enlarge Knob Hole)		(.552")	444F748 (.813")	Vertical
	008	*Sargent* 7,8,9 Line (Enlarge Knob Hole)		(.552")	NA	
	054	Yale® 5400, 6200 Knobs Only (Enlarge Knob Hole)		(.552")	NA	
	076	*Sargent* 7600 Integralock (Enlarge Knob Hole)		(.552")	NA	

*Or order Sargent 10 Line locks with 30 prefix.

Cylinders with Other Manufacturer's Keyways - 6-pin

Type	Tailpiece / Keyway	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number	Remarks
CR2400	031-C	CL3100	(.509")		778F788 (.710")	*Schlage* C Keyway
	031-LA	CL3100	(.509")		778F788 (.710")	*Schlage* LA Keyway
	033-C	CL3300/CL3600 (June 2000 and after) ED8200/ED8400	(.509")		622F328 (1.106")	*Schlage* C Keyway
	033-LA	CL3300/CL3600 (June 2000 and after) ED8200/ED8400	(.509")		622F328 (1.106")	*Sargent* LA Keyway
	034-C	CL3400 (Lockset Series Obsolete) CL3600 (Prior to June 2000)	(.509")		682F398 (0.950")	*Schlage* C Keyway
	034-LA	CL3400 (Lockset Series Obsolete) CL3600 (Prior to June 2000)	(.509")		682F398 (0.950")	*Sargent* LA Keyway
	037-C	CL3700	(.509")		685F098 (0.794")	*Schlage* C Keyway
		CK4700		(.509")		
	039-C	CL3900	(.509")		616F208 (1.700")	*Schlage* C Keyway
	039-LA	CL3900	(.509")		616F208 (1.700")	*Sargent* LA Keyway

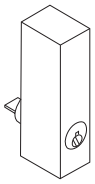
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Conventional Component (Key-in-Lever/Knob/Dead Bolt)

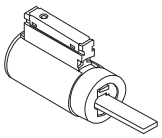
Key Systems

Cylinders for Other Manufacturers' Products (.552" Plug Diameter) - 6-pin

Type	Tailpiece	Series	Plug Diameter	Tailpiece Part Number (Length)	Remarks
CR4200	002-A47	Adams Rite® 4025 Pull	(.552")	146F788 (0.968")	Cylinder Only
	003-A47	*Adams Rite* 4025 Pull	(.552")	146F788 (0.968")	Cylinder and Housing



CR4200-003-A47



CR4200-002-A47

DL2200/DL3200 Deadbolts Cylinder (.509 Plug Diameter)

Cylinder Type	Function	1-3/8" or 1-3/4" (Standard)		2" or 2-1/4"	
		Cylinder	Tailpiece	Cylinder	Tailpiece
6-Pin	11, 13, 17	CR4400-134-A51	753F768	CR4400-134-A51	753F768
	12	CR4400-134-A52	753F778	CR4400-214-A52	753F788
7-Pin	11, 13, 17	CR4400-134-A51-7	753F768	CR4400-134-A51-7	753F768
	12	CR4400-134-A52-7	753F778	CR4400-214-A52-7	753F788

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Rim Cylinders

For use with exit devices and exit device trim.



Type	Tailpiece Length	Pins	Keyway	Finish
CR3000	058 5/8" 955 and 959 Trims 138 1-3/8" M61 & M62 option for ED8200 and obsolete ED9200 exit device alarms 200 2" (std. door) 200N 2" ED4000/ED5000 Night Latch Function 200V 2" vertical tailpiece 312 3-1/2" (thick door) 312V 3-1/2" vertical tailpiece **Tailpiece Orientation** std. = Horizontal V = Vertical	6 (standard) 7	(see pages 31-39)	605 606 611 612 613 622 625 626 629 630 722 BSP WSP

Rim Thumbturn



Type	Tailpiece Length	Pins	Keyway	Finish
CR3300	138 1-3/8" 200 2" (std. door)	N/A	N/A	605 606 611 612 613 622 625 626 629 630 722 BSP WSP

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Corbin Russwin
ASSA ABLOY

Interchangeable Core

Key Systems

Fast changeover - new security in seconds!



Interchangeable Core

Options:

- 7-Pin
- VKC (Visual Key Control)
- CKC (Concealed Key Control)
- Restricted/Protected Keyways
- Pyramid

Advantages
Rekeying can be done by non-technical personnel without removing hardware from the door. When used system-wide, IC provides tremendous rekeying convenience.

When planned from the inception of a system, IC cylinders can be integrated with conventional cylinders.

Applications
IC is recommended for virtually all types of keying systems, such as office buildings, hotels, schools, hospitals and universities. When used in exit devices and other installations which are labor intensive to rekey, IC saves time and money over the life of the building.

Operations
All operating keys (change, master, grand master) operate the lock normally. To rekey, use the special control key. The control key operates at a separate shear line in certain chambers within the core. Only the control key is required to remove and install a core.

Cores
6-pin standard; 7-pin, security and Pyramid optional. Two nickel silver change keys furnished standard per core. Control keys only furnished when ordered.

Key Control
Corbin Russwin cores are available with protected and restricted keyways, patented keyways, security and Pyramid to deter unauthorized key duplication. No orders for patented protected keys, security or Pyramid keys will be shipped for a keying system without a letter of authorization from the end user.

Construction Keying
Temporary cores are available for IC jobs that require construction keying.

Core Marking
Concealed Key Control (CKC) is available for all Corbin Russwin cores. Visual Key Control (VKC) is available for conventional cores, but not for security or Pyramid cores.

Ordering IC Locksets and Exit Devices
For specific product availability and Quick Codes for cylinder options, see "How to Order" in each catalog section.

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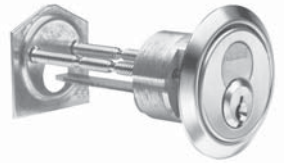
Interchangeable Core Mortise



CR10	8	0	–	114	–	A01	–	6	–	L4	–	x	Finish	x	Option

Core	Function	Length	Cam	Pins	Keyway	Finish*	Temporary Core
3 Pyramid 4 SFIC Housing Only (No Core) 8 Standard 9 Security (6-Pin only) 7 LFIC Housing only (no core)	0 Standard 1 Uses - E1suffix for EMK blank Hotel 1-3/8" with A01 cam only. 7 Pyramid Security	114 1-1/4" 138 1-3/8" 112 1-1/2" 134 1-3/4" 200 2" 214 2-1/4" 212 2-1/2"	(see page 40) A01 Cloverleaf A02 Straight A03 Adams Rite® MS and DL3000 Deadlock A04 DL4000 A05 *Adams Rite* 4070 A06 Schlage® Cloverleaf A07 DL4100 A62 MR Straight / CR900 Series Mullion A92 Exit GripTrim 01 & 02 A93 Obsolete deadlocks: Corbin® 610 Series and Russwin® 1403 Series	6 (standard) 7 (Not available for 1-1/4", 1-3/8" LFIC and 1-1/4" SFIC housings)	(see pages 31-39)	605 606 611 612 613 613E 622 625 626 629 630 722 BSP WSP	CT6R IC 6-pin with temporary construction core (Red) CT6B IC 6-pin with temporary construction core (Blue) CT6G IC 6-pin with temporary construction core (Green) CT7R IC 7-pin with temporary construction core (Red) CT7B IC 7-pin with temporary construction core (Blue) CT7G IC 7-pin with temporary construction core (Green) CT6D 6-pin LFIC Disposable CT7D 7-pin LFIC Disposable CTP Pyramid LFIC CTPD Pyramid LFIC Disposable CT6SD 6-pin SFIC Disposable CT7SD 7-pin SFIC Disposable

Interchangeable Core Rim



CR30	8	0	–	178	–	6	–	L4	x	Finish	x	Option

Core	Function	Tailpiece Length	Pins	Keyway	Finish*	Temporary Core
3 Pyramid 4 SFIC Housing Only (No Core) 8 Standard 9 Security (6-Pin only) 7 Housing only (no core)	0 Standard 7 Pyramid Security	058 5/8" 114 1-1/4" M61 & M62 option for ED8200 and obsolete ED9200 exit device alarms 178 1-7/8" (std. door) 178V 1-7/8" vertical tailpiece 318 3-1/8" (thick door) **Tailpiece Orientation** std Horizontal V Vertical (Not Available for 114 length)	6 (standard) 7	(see pages 31-39)	605 606 611 612 613 622 625 626 629 630 722 BSP WSP	CT6R IC 6-pin with temporary construction core (Red) CT6B IC 6-pin with temporary construction core (Blue) CT6G IC 6-pin with temporary construction core (Green) CT7R IC 7-pin with temporary construction core (Red) CT7B IC 7-pin with temporary construction core (Blue) CT7G IC 7-pin with temporary construction core (Green) CT6D 6-pin LFIC Disposable CT7D 7-pin LFIC Disposable CTP Pyramid LFIC CTPD Pyramid LFIC Disposable CT6SD 6-pin SFIC Disposable CT7SD 7-pin SFIC Disposable

*All plugs and shells for LFIC cylinders are provided in 606 or 626. Housings are provided in the finish of the lock hardware order

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Interchangeable Core

How to Order

Key Systems

Core Only



Description	Number	Remarks	EMK Blank
6-pin for CL3129	CR8001-031	Hotel indicator pin	E8 Suffix
7-pin for CL3129	CR8001-031-7	Hotel indicator pin	E8 Suffix
6-pin standard	CR8000	Set to hotel mortise EMK	N/A
6-pin standard	CR8000EMK	-E1 suffix	
Security	CR8010EMK	Set to hotel mortise EMK	N/A
Security	CR8010		-E1 suffix
7-pin	CR8000-7	Hotel indicator pin	N/A
6-pin for CL3329, CL3629	CR8001-034	Hotel indicator pin	-E8 suffix
7-pin for CL3329, CL3629	CR8001-034-7	Hotel indicator pin	-E8 suffix
6-pin for CK4229	CR8001-042	Hotel indicator pin	-E4 suffix
Security for CK4229	CR8011-042		-E4 suffix
Pyramid High Security	CR8020		N/A
Pyramid Security	CR8027		N/A

Specify Keyway
Finishes: 606 & 626 only
Uncombinated cores: Specify “UC”. Keys not provided. Not applicable for 8000EMK, 8010EMK

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Standard Function
Security Mortise



CR10	1	0	–	118	–	A01	–	6	–	L4	–	x	Finish	x	Option

Mechanism	Function	Length	Cam (see page 40)	Pins	Keyway	Finish	Uncombinated
1 Standard 9 IC (available) 1-1/4" 1-3/8" 1-1/2" 1-3/4" 2" 2-1/4"	0 Standard 1 Hotel	118 1-1/8" 114 1-1/4" 138 1-3/8" 112 1-1/2" 134 1-3/4" 200 2" 214 2-1/4" 212 2-1/2" 234 2-3/4"	A01 Cloverleaf A02 Straight A03 Adams Rite® MS and DL3000 Deadlock A04 DL4000 Deadlock A05 *Adams Rite* 4070 A06 Schlage® Cloverleaf A07 DL4100 A62 MR Straight / CR900 Series Mullion A92 Exit GripTrim 01 & 02 A93 Obsolete deadlocks: Corbin® 610 Series and Russwin® 1403 Series	6 -pin only	(see pages 31-39)	605 606 611 612 613 613E 622 625 626 629 630 722 BSP WSP	UC

Special Function Security Mortise

Hotel Function Security Mortise

Change key and all normal master keys have limited rotation to retract latchbolt only. Emergency Master Key (EMK) and display key turn 360° for additional operation of deadbolt. EMK and display key requires 7-pin key blank for standard cylinders and -E1 suffix blank for IC cylinders.

Cylinder Number	Description
CR1011-114-A01*	1-1/4" Cloverleaf cam only
CR1091-138-A01	IC version 1-3/8"
CR1071-138-A01	IC housing only

*1011 cylinder not available with D1, D2, L1 or L2 keyways

Cylinder Number	Cam
CR1012-114-A01	Cloverleaf cam
CR1012-114-A02	Straight cam
CR1012-114-A03	DL 3000 Series Adams Rite® MS cam
CR1012-114-A04	DL4000 Series Deadlock
CR1012-114-A05	*Adams Rite* 4070
CR1012-114-A93	Obsolete 610/1403 Deadlock

Cylinder Number	Change Key	Cam
CR1014-118-A02	Clockwise	Straight
CR1015-118-A02	Counter-Clockwise	Straight

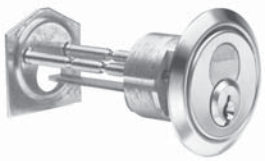
Folger Adam® NS400 Series x LEK uses A02 cam version.

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Security Rim



Standard

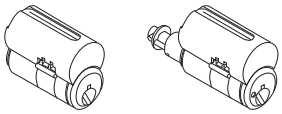


Interchangeable Core

CR3	0	1	0	–	200	–	6	–	L4	x	Finish	x	Option

Mechanism	Function	Tailpiece Length		Pins	Keyway	Finish	Uncombinated
		For 3010 Only	For IC				
1 Standard 9 IC	0 Standard	138 1-3/8" M61& M62 option for ED8200 and obsolete ED9200 exit device alarms	114 1-1/4" M61 & M62 option for ED8200 and obsolete ED9200 exit device alarms	6-pin only	(see pages 28-36)	605 606 611 612 613 613E 622 625 626 629 630 BSP WSP	UC
		200 2" (Std. door)	178 1-7/8" (Std. door				
		200V 2" vertical tailpiece	178V 1-7/8" vertical tailpiece				
		312 3-1/2" (thick door)	318 3-1/8" (thick door)				
		312V 3-1/2" vertical tailpiece					

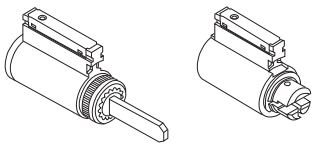
Security Cores Only



Description	Core Number	Remarks	EMK Blank
Standard	CR8010		N/A
For 1091	CR8010	EMK Set to hotel mortise EMK	-E1 suffix
For CK4229	CR8011-042	Hotel indicator pin	-E4 suffix

Specify Keyway. Available uncombinated, except CR8010EMK.
Finishes: 606 & 626 only

Key-in-Knob/Key-in-Lever



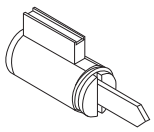
Lockset	Cylinder Number
CL3100	CR2010-031
CL3300, CL3500, CL3800, CL3600 Series (June 2000 and after)	CR2010-033
G1055 exit device knob trims	CR2010-033H
CL3300, CL3600 Series (Prior to June 2000)	CR2010-034
CL3800 Series (obsolete 1993-1997 model)	CR2010-038
CL3900 Series	CR2010-039
CL3900 Series (2", 2-1/4" Thick Door)	CR2010-039L
B2, G2 Exit Device Knob Trim	CR2010-051
CK4200 and UT5200 Series	CR2010-052
CK4229 Hotel Function	CR2011-052
CK4300 Series	CR2010-031H

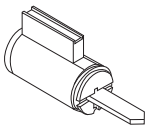
Specify Keyway. Available uncombinated.
Use -E4 suffix for EMK blank. Finishes: 606, 626

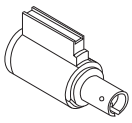
DL2200/DL3200 Deadbolts Cylinder

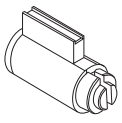
Function	1-3/8" or 1-3/4" (Standard)		2" or 2-1/4"	
	Cylinder	Tailpiece	Cylinder	Tailpiece
11, 13, 17	CR4410-134-A51	753F768	CR4410-134-A51	753F768
12	CR4410-134-A52	753F778	CR4410-214-A52	753F788

Other Manufacturers' Products









Vertical Tailpiece		Horizontal Tailpiece			
Alarm Lock DL2500 Series	CR2210-001-A21	*Schlage* D Series Knobs	CR2210-002-A21	*Sargent* 7, 8, 9 Line (enlarge knob hole) CR2210-008	Yale® 5400, 6200 Knobs (enlarge knob hole) CR2210-054
Arrow® H Series Knobs & Levers	CR2210-001-A21	*Schlage* A Series Knobs (PLY, etc.)	CR2210-002-A22		
Arrow Q Series Levers	CR2210-001-A21	*Schlage* A Series Knobs (ORB, only)	CR2210-002-A23		
Sargent® 10 line (Enlarge lever hole)*	CR2210-001-A21	Available Uncombinated. Finishes: 606, 626			
Schlage® D Series Levers	CR2210-001-A21				
Schlage AL and ND Series Levers	CR2210-001-A22				
Lockwood H Series Knobs (enlarge knob hole)	CR2210-003-A24				

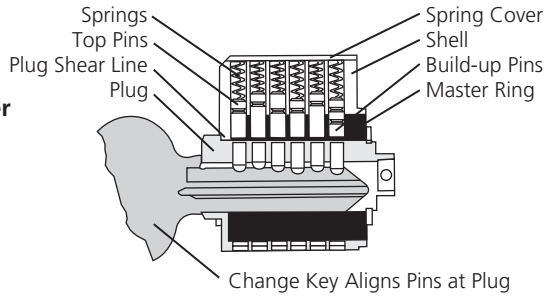
*Or order Sargent 10 Line locks with 30 prefix.

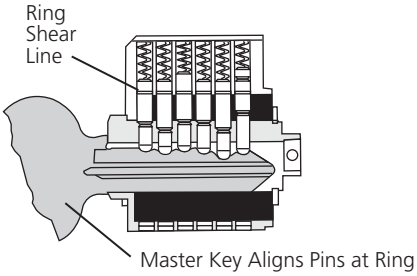
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Master Ring

Key Systems

- **Greater master keying capacity**
- **Superior keying flexibility**
- **Greater security in each cylinder**





Advantages

6-pin Master Ring keying systems offer keying capacity similar to 7-pin conventional cylinder systems.

There is, however, far greater flexibility for asymmetrical keying systems, because change key combinations do not require any direct relationship to those of master keys. In conventional systems, combinations not needed under a given master key cannot be used elsewhere in the system. In master ring, they can. This frees thousands of combinations for use anywhere within a master ring system.

Since the master keys all have their own shear line, fewer master pins are used, increasing cylinder security. This security enhancement reduces the chances of cylinders being manipulated by stray keys. It also hinders surreptitious entry by picking and impressioning.

When planned from the inception of a keying system, conventional cylinders may be integrated into specific parts of a Master Ring system for areas where the required hardware does not accommodate the large Master Ring cylinders.

Applications

Corbin Russwin Master Ring cylinders are especially recommended for installations which require large and complicated keying systems, such as hospitals and universities.

Field Serviceability

Corbin Russwin Master Ring cylinders are fully field serviceable.

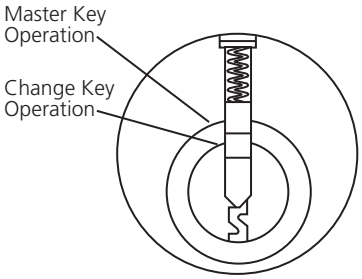
Note: Master Ring cylinders are not available uncombinated.

Key Control

Restricted and protected keyways are available.

Construction Master Keying

When planned from the inception of a keying system, construction master keying is available.



Operation

The change key rotates the cylinder plug only. Master keys operate at the master ring, which is a sleeve around the plug.

Cylinder Marking

Visual Key Control (VKC) and Concealed Key Control (CKC) are available for Master Ring cylinders.

Ordering Locksets and Exit Devices with Master Ring Cylinders

For specific product availability and Quick Codes for cylinder options, see "How to Order" in each catalog section.

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Master Ring

How to Order

Key Systems

Standard Master Ring Mortise

(1-1/2" diameter; .552" diameter plug)



Type	Length	Cam	Pins	Keyway	Finish
CR1060	100 1" (5-pin only)	(see page 40)	5 (1" length only)	(see pages 31-39)	605
	118 1-1/8"	A61 Cloverleaf*	6 (standard)		606
	114 1-1/4"	A62 Straight	7 (Available 1-3/8" only)		611
	138 1-3/8"	A63 Large Short			612
	112 1-1/2"	A64 Large Long			613
	134 1-3/4"	A65 Cloverleaf (formerly 11A)			613E
	200 2"				618
	214 2-1/4"	*A61 is for locks made after 5/93; requires thumbturn hub 562F41-2			619
	212 2-1/2"				622
	234 2-3/4"				625
	300 3"				626
					722
					BSP
					WSP

Flexible Head Master Ring Mortise

(1-1/2" diameter; .552" diameter plug)



Type	Length	Cam	Pins	Keyway	Finish
CR1160	100 1" (6-pin only)	(see page 40)	6 (standard)	(see pages 31-39)	605
	118 1-1/8"	A61 Cloverleaf*			606
	114 1-1/4"	A62 Straight			611
		A63 Large Short			612
		A64 Large Long			613
		A65 Cloverleaf (formerly 11A)			613E
					618
		*A61 is for locks made after 5/93; requires thumbturn hub 562F41-2			619
					622
					625
					626
					722
					BSP
					WSP

Dummy Master Ring Mortise



Cylinder Number	Length
CR1460-118	1-1/8"
CR1460-114	1-1/4"
CR1460-138	1-3/8"
CR1460-112	1-1/2"
Finishes: 605, 606, 611, 612, 613,	618, 619, 622, 625, 626, 722

Master Ring Rim

(1-1/2" diameter; .552" diameter plug)

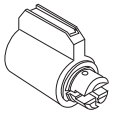


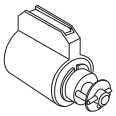
Cylinder Number	Description
CR3060-200	Standard horizontal tailpiece
CR3060-312	Thick door, horizontal tailpiece
CR3060-200V	Vertical tailpiece
CR3060-312V	Thick door, vertical tailpiece
Finishes: 605, 606, 611, 612, 613, 618, 619, 622, 625, 626, 722, BSP, WSP	

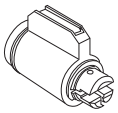
*Not available "UC" uncombined

CK4200 & UT5200 Series Lockset

Specify keyway (.552" diameter plug)

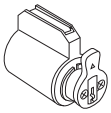


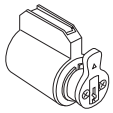


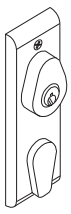


Standard Cylinder CR2060-052	With Indicator Pin for CK4229 Hotel CR2061-052	Discount. Ronde & Continental Knob CR2160-052
Finishes: 606, 626		

Exit Device Operators







For ED6800 x B5 or B6 For ED7400 x 03 or 04 CR4266-001-A02	For ED6800 x 01 or 02 CR4266-001-A92
Finishes: 606, 626	

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Description

Pyramid cylinders are available in both high security and security versions. The high security version is certified by Underwriters Laboratories to UL437 standards.

Applications

Especially recommended for installations requiring superior protection against picking, drilling and other surreptitious entry. Ideally suited for Educational and Healthcare facilities, Industrial and Commercial buildings.

System Administration & Key Control

Key control will be maintained through compliance with Corbin Russwin's Security Policy: for a copy contact Key Systems Administration or visit our web site at www.corbinrusswin.com.
All new Pyramid systems will require a completed System Information Document (orders cannot be entered without this document). The fully executed original document will be kept on file at Corbin Russwin Key System Administration. For all subsequent orders a letter of authorization will be required if the product is shipped to an address other than what is recorded on the System Information Document and/or if the address on the purchase order is different than what is listed on the System Information Document. Note that Key System Administration will not keep blanket letters of authorization on file.

Product Specification

All cylinders shall employ a protected locking mechanism that requires the use of a protected key and is furnished with a minimum of 7 pins. High Security cylinders shall meet the requirements of UL437. Interchangeable cores shall meet the drill resistance and pick resistance of UL437.

Keys shall be nickel silver and furnished with a large bow.

Features	Benefits
• High security protection (UL437) standard	• Underwriters Laboratory listing for resistance to picking & drilling
• 7-pin	• Greater master keying capabilities • Uses existing 6-pin interchangeable core housings • 1-1/4" (32mm) length for mortise cylinders
• Available with stainless steel pins	• Drill and pick resistant
• Large key bow	• Easy handling & special stamping options
• Thicker and stronger nickel silver keys	• Ideally suited for high usage & abusive applications
• User friendly	• No expensive dedicated equipment necessary for key cutting

Certifications

BHMA A156.5 Grade-1
E09211A* (Mortise)
E09221A* (Rim)
E09231A* (Bored Lock Cylinders)
*A (suffix) refers to cylinders of pick and drill resistance.

UL Underwriters Laboratories Inc.
(UL437)BP8976
CR1020, CR2020, CR3020 Fixed Core (FC) series only

Finishes

Pyramid cylinders are available in all Corbin Russwin standard finishes.

Keying

7 pin with two nickel silver change keys per cylinder. Pyramid fixed core security cylinders may be uncombinated (specify UC)[1], master or grand master keyed to a specific facility. Note: Pyramid cylinders are not available "0" bitted.

Keys shipped separately for master keyed cylinders.

System Specifications

- Pyramid systems are independent and cannot be keyed into existing and/or conventional systems.
- Pyramid cylinders are to be keyed to factory-generated bittings only.
- Cross keying is not available.

Key Discard Policy & Warranty

See page 49.

Construction Master Keying

Pyramid cylinders are not available construction master keyed. Interchangeable core jobs can be furnished with temporary construction cores. Temporary construction cores will be unrelated to the permanent system's master key. When the permanent cores are installed, the temporary construction cores are returned to Corbin Russwin for credit.

How to Order Example

1. Mortise lock with temporary construction core
   Qty. - ML2051 - LSA - 626 - RHR - CTP
2. Mortise cylinder with temporary construction core
   Qty. - CR1080-114-A01-626-CTP
3. Permanent core ordered separately
   Qty. - AA1 - CR8020 - 626

Pyramid Quick Codes[2]

PS	Pyramid Security Fixed Core
PCS	Pyramid Security Interchangeable Core
PHS	Pyramid High Security Fixed Core
PCHS	Pyramid High Security Interchangeable Core
CTP[3]	Pyramid with Temporary Construction Core
CLP[3]	Pyramid Less Core

1. UC cylinders are supplied, less keys, pins, springs and pin covers.
2. When cylinders are ordered with locks.
3. Pyramid cores to be ordered as a separate line item.

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Performance Features

Shell
- Locking pin mechanism
- Hard metal inserts

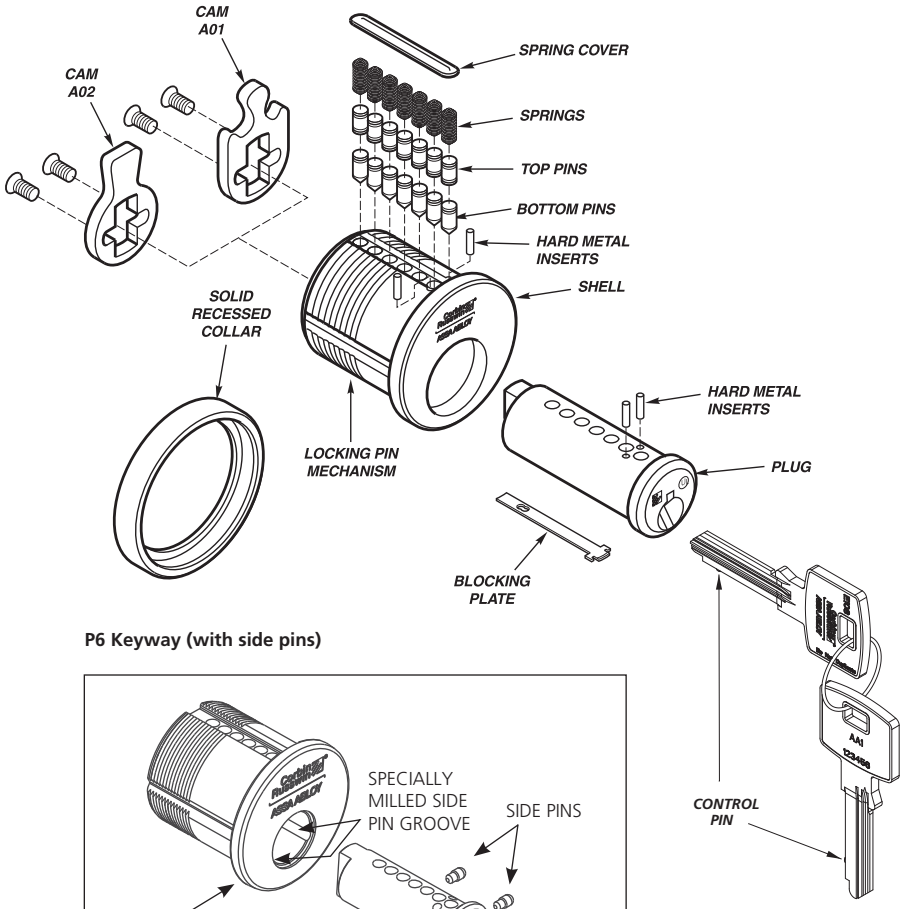
Key
- Control pin

Plug
- Blocking plate
- Hard metal inserts

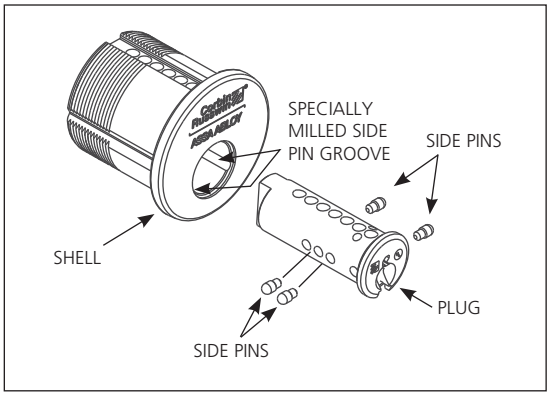
Pins & Springs
- Hardened stainless steel pick-resistant bottom pins*
- Hardened stainless steel pick-resistant top pins*
- Hardened stainless steel pick-resistant master pins (if required)*
- Hardened stainless steel pick-resistant build-up pins (if interchangeable core)*
- Springs

Collar
- Solid recessed (mortise)

* Hardened stainless steel pins used for UL437 High Security versions only. Pyramid Security version uses nickel silver bottom pins and brass master, build-up and top pins.



P6 Keyway (with side pins)



Operation



Without Key
Locking pin mechanism engages blocking plate and prevents the plug from turning.



With Key
Key's control pin depresses the locking pin mechanism and allows the plug to turn.

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Keys

- Nickel silver
- Key Bow Type 28
- Ordering example: 7PIN-28-XXXX
  - Keyway
- Ordering example P6 Keyway:
  7PIN-28-XXXX-SPCXX
  - Keyway
  - Side Pin Code

Back Side Stamping & Options

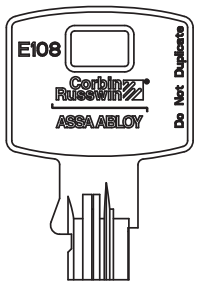
- Key set (VKC1), standard – unless otherwise indicated
- System registry number will be stamped on upper-level keys unless otherwise indicated
- Concealed key control (CKC2) available on cylinders
- Visual key control (VKC2 and VKC3) not available on cylinders. CKC3 also not available.

Note: Refer to Corbin Russwin's general catalog and price book for complete detailed information.

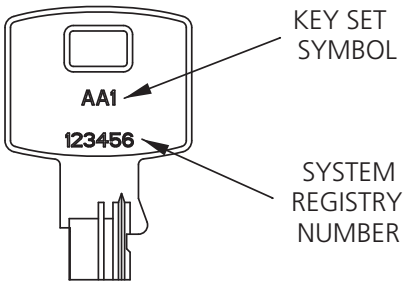
Keyway Security

Pyramid keyways will be determined by the supervisor of Key Systems Administration. Assignment will be based on the overall system requirements and geographic location to provide maximum protection to the owner. For security reasons, the keyway profiles are not shown.

Front Side



Back Side



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Mortise Cylinders

Mortise Locks/Deadlocks

Mortise Locks/Deadlocks

For use with all Corbin Russwin ML2000, ML2000HS and ML2200 (discontinued) mortise locks. DL4000 & DL3000 Series Deadlocks.

Mortise Exit Devices

For use with ED7600 and ED6600 devices.



Conventional Fixed Core (FC)



Interchangeable Core (IC)

Type	Length	Cam	Finish
CR1020 - High Security Mortise CR1027 - Security Mortise CR1030 - High Security IC Mortise complete CR1037 - Security IC Mortise complete CR1070 - Housing only	**CR1020/CR1027 - Non-IC (Fixed Core)** 114 - 1-1/4" (32mm) 112 - 1-1/2" (38mm) *See note #3 **CR1030/CR1037/CR1070 IC** 114 - 1-1/4" (32mm) 138 - 1-3/8" (35mm) 112 - 1-1/2" (38mm 134 - 1-3/4" (44mm) 200 - 2" (51mm) 214 - 2-1/4" (57mm) 212 - 2-1/2" (64mm)	A01 - Cloverleaf A02 - Straight A03 - Adams Rite® MS A04 - DL4000 Series A05 - Adams Rite® 4070 A06 - Schlage® Cloverleaf A07 - DL4100 A62 - 900 KRM Straight A92 - See note #1 A93 - See note #2	605 - Bright Brass 606 - Satin Brass 611 - Bright Bronze 612 - Satin Bronze 613 - Dark Oxidized Satin Bronze - oil rubbed 613E - Dark Oxidized Satin Bronze - Equivalent 618 - Bright Nickel Plated 619 - Satin Nickel Plated 622 - Flat Black Coated 625 - Bright Chromium Plated 626 - Satin Chromium Plated 629 - Bright Stainless Steel 630 - Satin Stainless Steel 722 - Black oxidized bronze, oil rubbed BSP - Black Suede Powder Coat WSP - White Suede Powder Coat

Note #1 - Not available IC
Note #2 - For obsolete Corbin® 610 and Russwin® 1403 series deadlocks
Note #3 - For ML2000 applications with door thickness exceeding 2-1/2" up to 3" in thickness, use IC cylinders.

How to Order Examples

High Security Mortise Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Length	Cam	Finish	Keyway
50	AA1	CR1020	114	A01	605	P3A1

Mortise Cylinder with a Pyramid Security Interchangeable Core

Quantity	Keyset	Cylinder	Length	Cam	Finish	Keyway
50	AA1	CR1037	114	A01	605	P3A1

Mortise Lock with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	ML2051	LSA	626	RHR	PHS (PS for Security version)	P3A1

Mortise Lock with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	ML2051	LA	626	RHR	PCHS (PCS for Security version)	P3A1

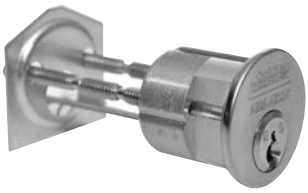
Exceptions

Pyramid cylinders are not available for the following: ML2029, ML2029HS, ML2029VR, ED7600 - applications over 2-1/4" thick, ED6600 - applications over 1-3/4" thick.

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Rim Cylinders

For use with exit devices and exit device trims.



Conventional
Fixed Core
(FC)



Interchangeable Core
(IC)

Type	Length	Availability		Finish
		FC	IC	
CR3020 - High Security Rim Cylinder CR3027 - Security Rim Cylinder CR3030 - High Security IC Rim Cylinder CR3037 - Security IC Rim Cylinder CR3070 - Housing only	058-5/8" (16mm) Tailpiece	X	X	605 - Bright Brass 606 - Satin Brass 611 - Bright Bronze 612 - Satin Bronze 613 - Dark Oxidized Satin Bronze - oil rubbed 613E - Dark Oxidized Satin Bronze - Equivalent 618 - Bright Nickel Plated 619 - Satin Nickel Plated 622 - Flat Black Coated 625 - Bright Chromium Plated 626 - Satin Chromium Plated 629 - Bright Stainless Steel 630 - Satin Stainless Steel 722 - Black oxidized bronze, oil rubbed BSP - Black Suede Powder Coat WSP - White Suede Powder Coat
	114 - 1-1/4" (32mm) M61 & M62 option for ED8200 and ED9200 exit device alarms		X	
	138 - 1-3/8" (35mm) M61 & M62 option for ED8200 and Obsolete ED9200 exit device alarms	X		
	178 - 1-7/8" (48mm) (Std. Door)		X	
	178V - 1-7/8" (48mm) vertical		X	
	200 - 2" (51mm)	X		
	200N - 2" (51mm) ED4000/ED5000 Night Latch Function	X		
	200V - 2" (51mm) vertical	X		
	312 - 3-1/2" (89mm)	X		
	312V - 3-1/2" (89mm) vertical	X		
	318 - 3-1/8" (79mm)		X	

How to Order Examples

High Security Rim Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Length	Finish	Keyway
50	AA1	CR3020	200	605	P3A1

Rim Cylinder with a Pyramid Security Interchangeable Core

Quantity	Keyset	Cylinder	Length	Finish	Keyway
50	AA1	CR3037	178	605	P3A1

Exit Device with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	ED5200	L955	630	RHR	PHS (PS for Security version)	P3A1

Exit Device with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	ED5200	L955	630	RHR	PCHS (PCS for Security version)	P3A1

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Pyramid Component (Key-in-Lever/Knob)

Key Systems

Key-in-Lever / Knob Cylinder

For use with Corbin Russwin CL3100, CL3300, CL3500, CL3700, and CL3800 lever locks, CK4200 and CK4700 knob locks and UT5200 unit locks. 2020/2027 series cylinders can also be used on CL3400, CL3600, CL3800 and CL3900 (discontinued) locks.



Conventional Fixed Core (FC)



Interchangeable Core (IC)

Type	Lockset Series	Finish
CR2020 - High Security Key-in-Lever/Knob CR2027 - Security Key-in-Lever/Knob	031 - CL3100 Lever	606 - Satin Brass 626 - Satin Chromium Plated
	031H - CK4300 Knob	
	033 - CL3300, CL3500, CL3600 (June 2000 and after) and CL3800 Lever	
	033H - G10 Exit Device Knob Trim	
	034 - CL3400 Lever - CL3600 Lever (Before June 2000) A5, N5 Obsolete ED8000 Trims	
	037 - CL3700 Lever - CK4700 Knob	
	038 - CL3800 Lever (Manufactured 1993-1997)	
	039 - CL3900 Lever (1-3/8" - 1-3/4" door)	
	039L - CL3900 Lever (2" - 2-1/4" door)	
	051 - G3 Exit Device Knob Trim	
	052 - CK4200 Knob - UT5200 Knob and Lever	

Key-in-Lever/Knob for other Manufacturers' Products

Cylinder Descriptions			
High Security (PHS)	Security (PS)	Tailpiece Orientation	Used for:
CR2220-001-P21	CR2227-001-P21	Vertical	Schlage® D Series Levers Arrow H® Series Knobs and Levers Sargent® 10 line (Enlarge Lever Hole)*
CR2220-002-P21	CR2227-002-P21	Horizontal	Schlage® D Series Knobs
CR2220-001-P22	CR2227-001-P22	Vertical	Schlage® AL and ND Series Levers
CR2220-002-P22	CR2227-002-P22	Horizontal	Schlage® A Series Knobs (Ply, etc.)
CR2220-002-P23	CR2227-002-P23	Horizontal	Schlage® A Series Knobs (ORB only)

*Or order Sargent 10 Line locks with 30 prefix.

DL2200/DL3200 Deadbolts Cylinder

Cylinder Type	Function	1-3/8" or 1-3/4" (Standard)		2" or 2-1/4"	
		Cylinder	Tailpiece	Cylinder	Tailpiece
High Security (PHS)	11, 13, 17	CR4420-134-A51	753F768	CR4420-134-A51	753F768
	12	CR4420-134-A52	753F778	CR4420-214-A52	753F788
Security (PS)	11, 13, 17	CR4420-134-A51-7	753F768	CR4420-134-A51-7	753F768
	12	CR4420-134-A52-7	753F778	CR4420-214-A52-7	753F788

How to Order Examples

High Security Component Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Lockset Series	Finish	Keyway
50	AA1	CR2020	033	626	P3A1

Cylindrical Lock with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Pyramid Quick Code	Keyway
50	AA1	CL3357	PZD	626	PHS (PS for Security version)	P3A1

Cylindrical Lock with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Pyramid Quick Code	Keyway
50	AA1	CL3357	PZD	626	PCHS (PCS for Security version)	P3A1

Exceptions

Pyramid cylinders are not available for the following: CL3329, CL3629, CK4229, CK4451, CK4455, CK4457, CK4429, CK4482, DL2100 series, DL3100 series.

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Interchangeable Core

For use with Corbin Russwin's 6-pin Interchangeable Core housings & shells.*



Type	Finish**
CR8020 - High Security IC core*	605
	606
	611
CR8027 - Security IC core*	612
	613
	613E
	622
	625
	626
	722
	BSP
	WSP

* Corbin Russwin 6-pin Interchangeable Core housings 1070 (mortise) & 3070 (rim) will accept 8020/8027 cores.

** All plugs and shells for LFIC cylinders are provided in 606 or 626. Mortise and rim housings are provided in the finish of the lock hardware ordered.

How to Order Examples

Security Interchangeable Core Ordered Separately

Quantity	Keyset	Cylinder	Finish	Keyway
50	AA1	CR8027	605	P3A1

Padlocks

Used with Pyramid Interchangeable Cores.
PL5030, PL5130, PL5230, PL5037, PL5137, PL5237



How to Order Examples

Padlock with a Pyramid High Security (CR8020) Interchangeable Core Cylinder

Quantity	Keyset	Series/Function	Shackle Length	Keyway
50	AA1	PL5030	258	P3A1

*Refer to general catalog for miscellaneous options.

Padlock with a Pyramid Security (CR8027) Interchangeable Core Cylinder

Quantity	Keyset	Series/Function	Shackle Length*	Keyway
50	AA1	PL5037	258	P3A1

Deadlocks

Used with Pyramid mortise cylinders. (DL3000 and DL4100)
Available in all standard finishes.



How to Order Examples

Deadlock with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Finish	Hand	Pyramid Quick Code	Keyway
50	AA1	DL4113	626	RHR	PHS (PS for Security version)	P3A1

Deadlock with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Finish	Pyramid Quick Code	Keyway
50	AA1	DL4113	626	PCHS (PCS for Security version)	P3A1

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Corbin Russwin
ASSA ABLOY

Bump Resistant Cylinders

Key Systems

Protect your building from unwanted entry with Corbin Russwin bump-resistant cylinders. Our bump-resistant cylinders deter bumping without compromising the cylinder's structural integrity and strength. This option is available with Corbin Russwin conventional and Pyramid protected security and high-security cylinders on our mortise, cylindrical and exit device hardware.

Recently, a lot of information has been circulating about bumping, a technique used to defeat cylinders. Although this method has been around for a number of years, the internet has increased public awareness. Bumping is when a "bump key" is inserted into the cylinder and struck using a mallet or hammer type object. The bump key is specifically designed to transfer the energy from the force of the blow to create a separation in the cylinder's pins which compromises the lock allowing it to open.

Although BHMA has yet to establish bump-resistance standards, Corbin Russwin Bump Resistant Cylinders were tested and verified by an independent testing lab. They conclusively resisted bumping attack and did not allow entry. Verification and testing data is available upon request.

Bump-Resistant Cylinders:
- Specify "BRP"

Retrofit:
- Convert existing cylinders with Bump-Resistant Top Spool Pins

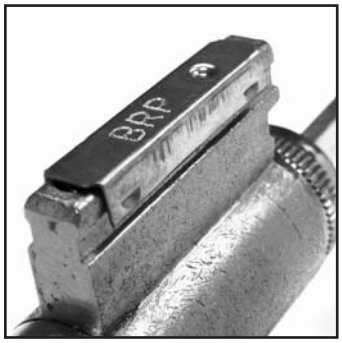
Features
Bump-resistant cylinders are designed for use with all Corbin Russwin locking hardware:
- Cylindrical locks
- Mortise locks
- Exit devices
- Access control locks
- Unit locks
- Auxiliary locks

Factory bitted, a symbol BRP is stamped onto pin cover/slides. Interchangeable core cylinders are not available with bump-resistant pinning.



BRP pinned mortise cylinder


BRP pinned rim cylinder



BRP pinned key-in-lever cylinder

Bump-Resistant Top Spool Pins

Description	Part Number	Qty
Conventional	628F10-7-171	Vials of 100 pcs.
Pyramid A	628F10-7-142	Vials of 100 pcs.
Pyramid C	628F10-7-236	Vials of 100 pcs.

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45078 6/19

L4	–	6-Pin	–	1	–	0

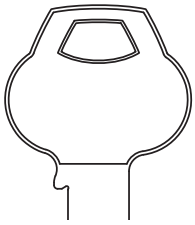
Key Sections	Length	Bow Shape	Bow Marking
(see pages 31-40)	Indicate 5-, 6-, 7-pin	1 Standard 5 Large 9 Security	0 Coined Logo 1 Plain 2 DND 3 US property DND 9 Restricted DND

Standard Bows



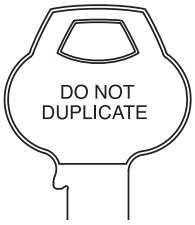
10

The standard bow furnished for all non-restricted keyways unless otherwise specified. The other side is blank.
Example: L4-6PIN-10.



11

Blank both sides, for use when more area is required for stamping, such as custom die stamps. Not for use with restricted keyways.
Example: L4-6PIN-11.



12

This bow enhances key control for non-restricted Corbin Russwin keyways. Other side blank. Example: L4-6PIN-12.



13

For use only on U.S. Government projects.
Example: L4-6PIN-13.

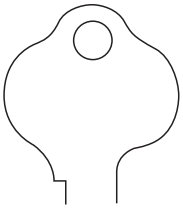
Protected and Restricted Keys

10, 50 and 90 bow shapes are designated as 19, 59 and 99 for protected and restricted keyways. They are stamped this way on the thumb side. Other side blank.

RESTRICTED
DO NOT
DUPLICATE

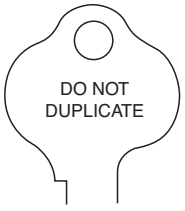
This stamp is not available for keys which are not protected and or restricted. Protected keyway keys will be stamped restricted.

Large Bows



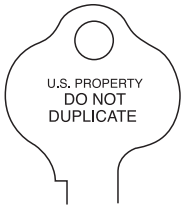
51

Blank both sides. Recommended for special die stamps or large amounts of stamping, and for Control and Emergency Master Keys. Not available for 752, 852 or A Class keyways.
Example: L4-6PIN-51.



52

Recommended for non-restricted keys which need extra space for special stamping. This bow also enhances key control for other Corbin Russwin keys. Not available for 752, 852 or A Class keyways.
Example: L4-6PIN-52.



53

For use only on U.S. Government projects. Recommended for use when a large amount of stamping is required. Not available for 752, 852 or A Class keyways.
Example: L4-6PIN-53.

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Security Bows (Inactive - for Existing Systems Only)

90

Standard bow for security keys. Example: L4-6PIN-90.

91

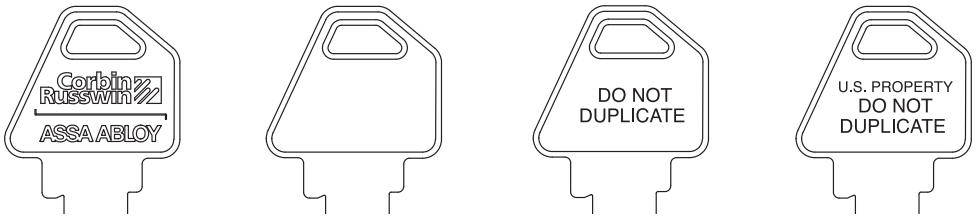
Blank both sides for security keys where extra stamping is required. Not for use with restricted keyways. Example: L4-6PIN-91.

92

This bow enhances key control for non-restricted security keys. Other side blank. Example: L4-6PIN-92.

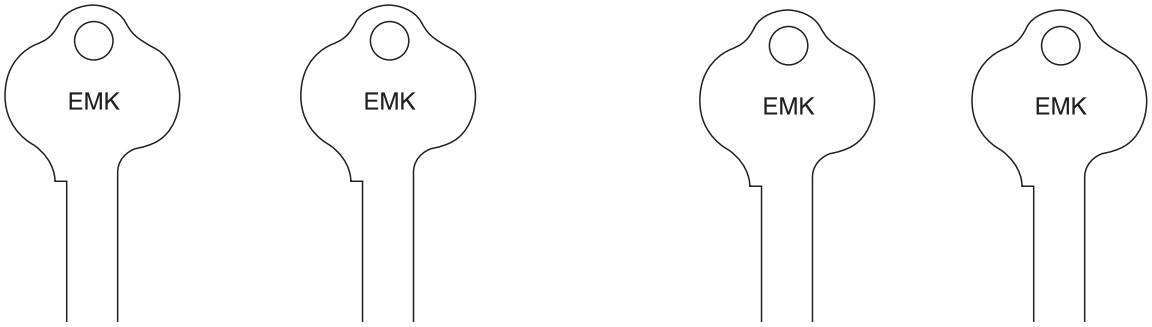
93

For use only on security keys for U.S. Government projects. Example: L4-6PIN-93.



Hotel Security Key Blanks

Standard hotel function mortise cylinders CR1001 and CR1011 use 7-pin Emergency Key blanks. The 51 bow is suggested e.g., L4-7PIN-51. All other Corbin Russwin hotel function cylinders require keys with a special undercut tip. The four variations are shown below.



-E1 Suffix

For interchangeable core mortise cylinder CR1081 (conventional) and CR1091 (security). Available 6-pin only. Examples: L4-6PIN-51-E1 or L4-6PIN-90-E1.

-E8 Suffix

For CL3329 and CL3629 and obsolete CL3429 key-in-lever locksets, fixed core and IC. Available 6- and 7-pin. Example: L4-6PIN-51-E8.

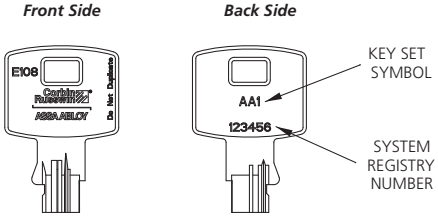
-E4 Suffix

For CK4229 locksets, fixed core and IC, conventional and security. Also for CK4429. Available 5- or 6-pin. Examples: L4-6PIN-51-E4 or L4-6PIN-90-E4.

-E5 Suffix

For obsolete 1429, 3333EM, 4333EM and 5629 key-in-knob locksets. Available 5- and 6-pin. Example: L4-6PIN-51-E5.

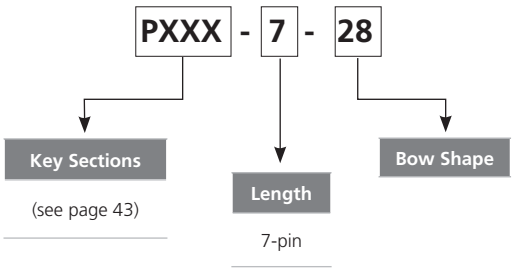
Pyramid Bow



28

Standard bow furnished for all Pyramid keys.

Ordering Example



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Multiplex/Simplex Keyways

Multiplex keyways can be used together to expand a keying system. A simplex keyway is independent, stands alone and cannot be tied into any other keyway to expand a keying system.

All/Multi-Section/Single Section Keys

All/Multi-section keys can be used on more than one cylinder with different sections. For example: a key cut on the L41 multi-section keyblank will pass cylinder in the L1, L2, L3 and L4 keyways. Single section keys can be used with cylinders of the same section. For example: a key cut on the L4 single section keyblank will only pass a cylinder in the L4 keyway.

Active Keyways

Keyways which are available for new Corbin Russwin keying systems are considered active. In the case of new master key systems, the factory reserves the right to select the keyway from a range of standard keyways, based on usage in a particular geographical area.

Inactive Keyways

Many older Corbin Russwin keyways are designated inactive. **No new systems** shall be established on these keyways. However, they continue to be available to support existing keying systems.

Restricted Keyways

For security reasons, these keyway profiles are not shown.

Protected Keyways

Key Systems Administration reserves the final decision as to which protected keyway family will be selected. A notice of acceptance showing the facilities name, address and contact information is required before orders can be processed For security reasons, these keyway profiles are not shown.

Pyramid Keyways

Pyramid keyways are only available for Pyramid cylinders and separate specifications are used from conventional Corbin Russwin keying systems. For security reasons, these keyway profiles are not shown. All new Pyramid systems will require a completed System Information Document (orders cannot be entered without this document). The fully executed original document will be kept on file at Corbin Russwin Key System Administration. For all subsequent orders a letter of authorization will be required if the product is shipped to an address other than what is recorded on the System Information Document and/or if the address on the purchase order is different than what is listed on the System Information Document. Note that Key System Administration will not keep blanket letters of authorization on file.

Bitting Classes

Corbin Russwin has several sets of dimensional standards for bitting (cutting) keys. If the wrong specifications are used when making keys on code machines in the field, they will not operate in conjunction with factory supplied cylinders and keys. The bitting class is given for each group of keyways. All bitting specs are available in the Corbin Russwin cylinder manual.

L Series (Corbin Russwin)

4 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.
Reverse of D Series.

Security

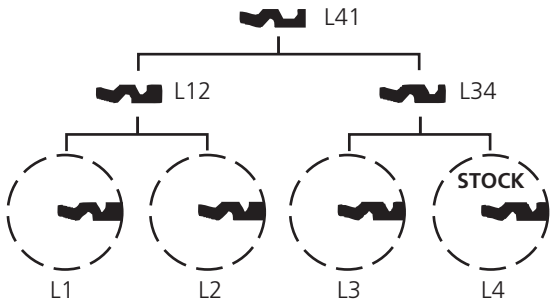


Available

All-Section Key

Multi-Section Key

Cylinder Keyway and Single Section Key



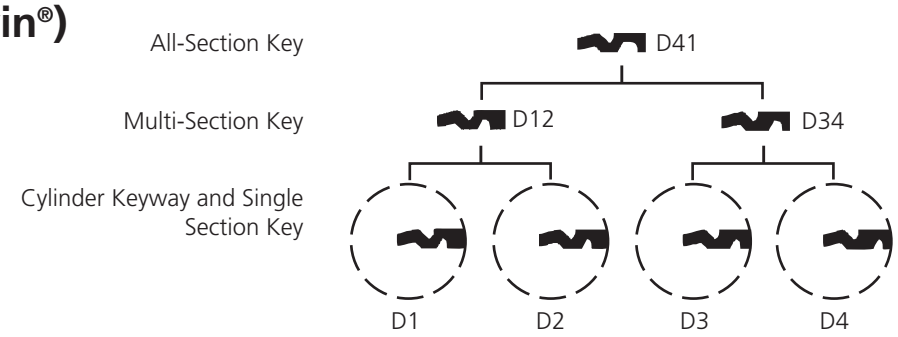
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D Series (Russwin®)

4 keyway multiplex system.
Available 5-, 6- and 7-pin.
DH Class bitting.
Reverse of L Series.

Security

Available

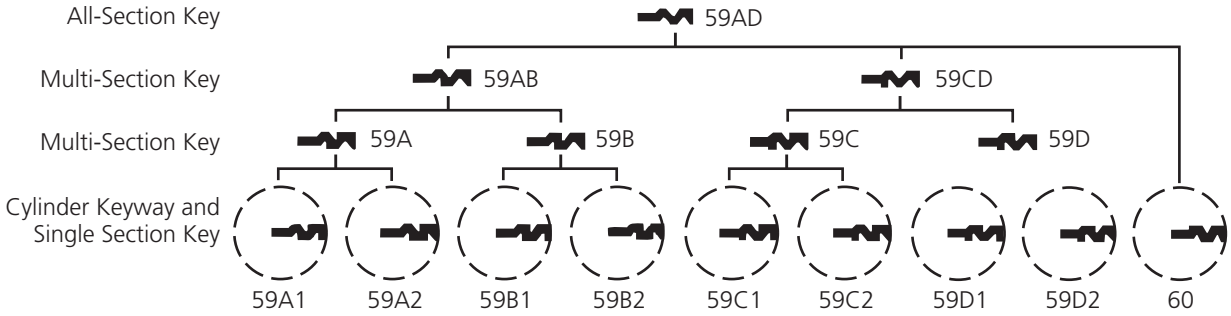


59 Series (Corbin®)

9 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

Security

Available

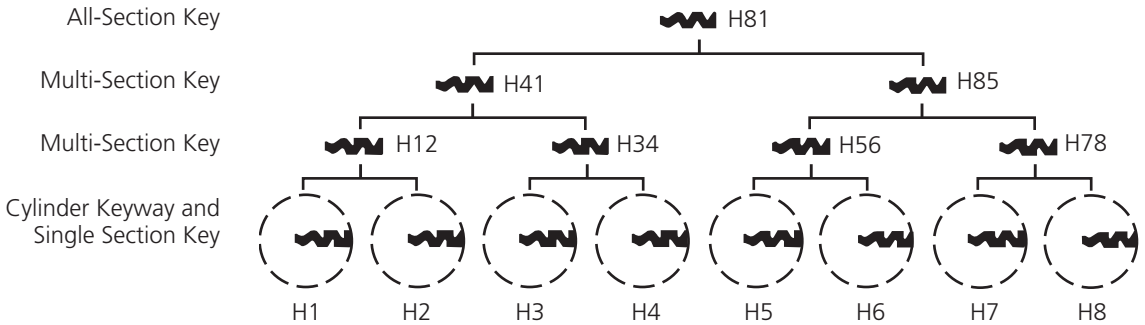


H Series (Russwin)

8 keyway multiplex system.
Available 5-, 6- and 7-pin.
DH Class bitting.

Security

Available



70 Series (Corbin)

Simplex Keyway.
Z Class bitting.
Reverse of 60.

Security

Available



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62 Series (Restricted)

Keyway profiles not shown for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

Security

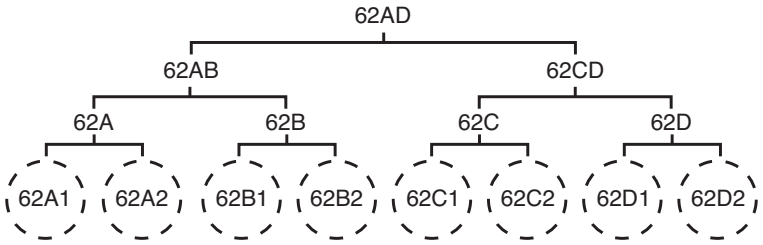
Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cylinder Keyway and Single Section Key



HO Series (Restricted)

Keyway profiles not shown for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
DH Class bitting.

Security

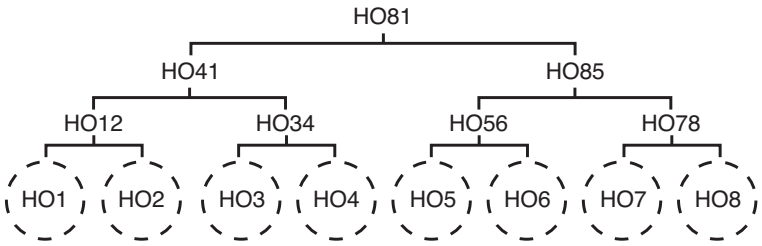
Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cylinder Keyway and Single Section Key



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Keyways

Key Systems

93 Series (Protected)

Keyway profiles not shown
for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

Security

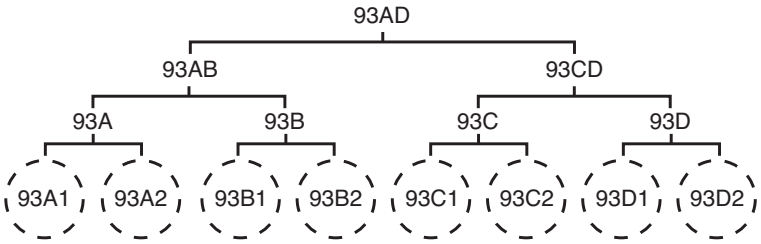
Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cylinder Keyway and
Single Section Key



39 Series (Protected)

Keyway profiles not shown
for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

Security

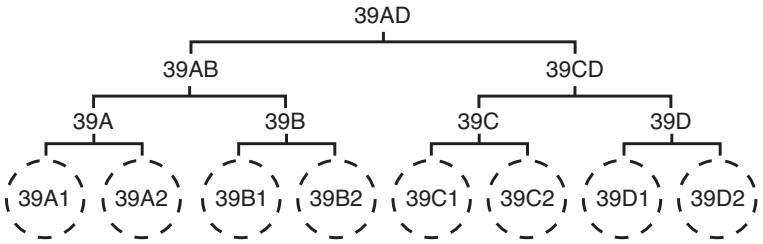
Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cylinder Keyway and
Single Section Key



F Series (Protected)

Keyway profiles not shown
for security reasons.
4 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting

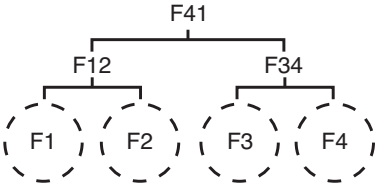
Security

Available

All-Section Key

Multi-Section Key

Cylinder Keyway and
Single Section Key



J Series (Protected)

Keyway profiles not shown
for security reasons.
4 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

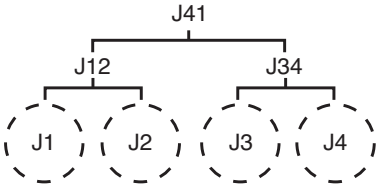
Security

Available

All-Section Key

Multi-Section Key

Cylinder Keyway and
Single Section Key



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57 Series

8 keyway multiplex system.
Available 5-, 6-, and 7-pin.
X Class bitting.

Reverses

57A1	27B2
57A2	27B1
57B1	27A2
57B2	27A1

Security



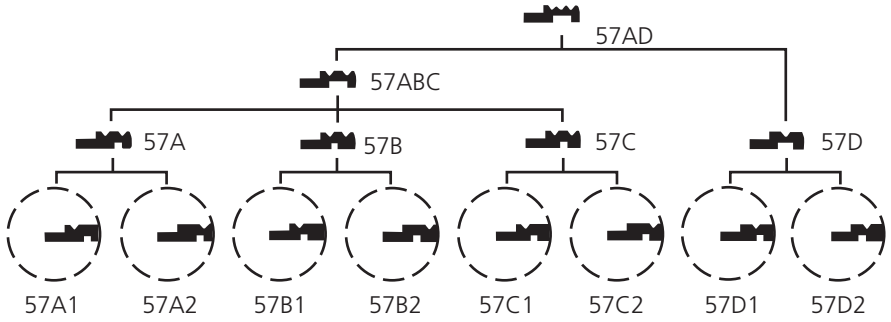
Not Available

All-Section Key

Multi-Section Key

Multi-Section Key

Cyl. Keyway and Single Section Key



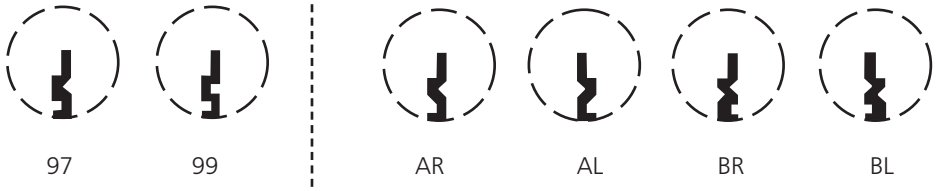
Simplex Keyways

6 independent keyways.
Available 5-, 6- and 7-pin.
X Class bitting.

Security



Not Available



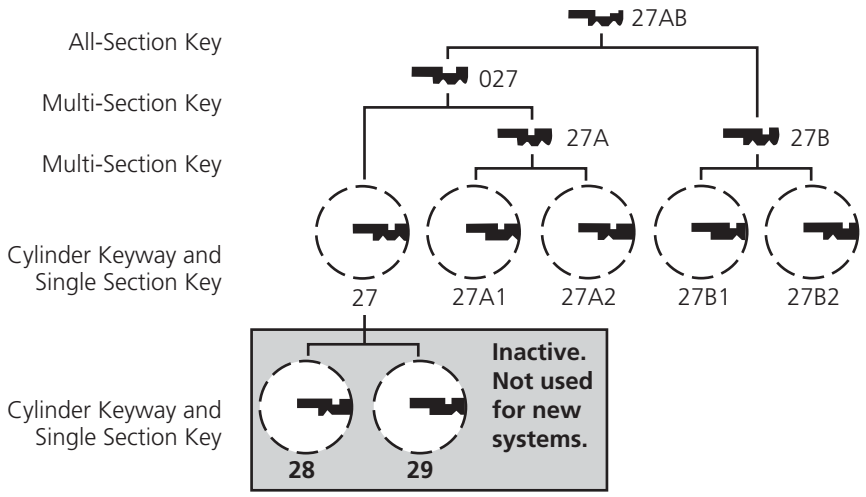
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27 Series

7 keyways total (5 active).
Available 5-, 6- and 7-pin.
X Class bitting.

Reverses

27A1	57B2
27A2	57B1
27B1	57A2
27B2	57A1

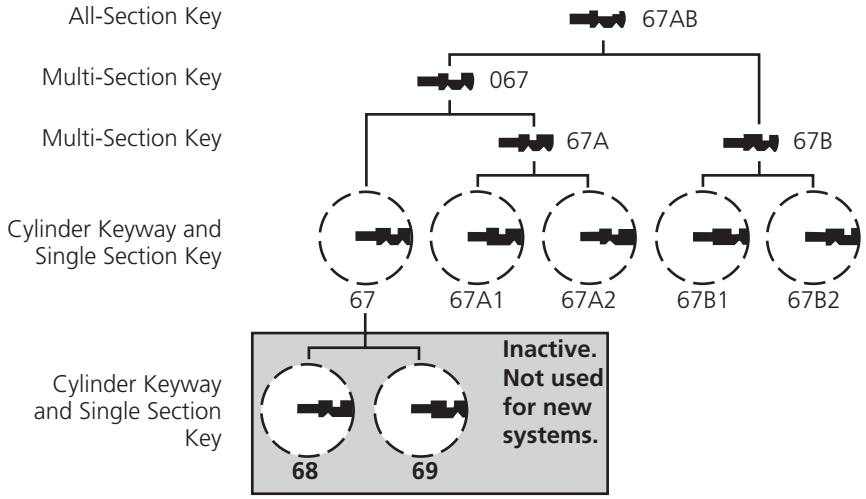


Security

Not Available

67 Series

7 keyways total (5 active).
Available 5-, 6- and 7-pin.
X Class bitting.
Reverse of 77 Series.

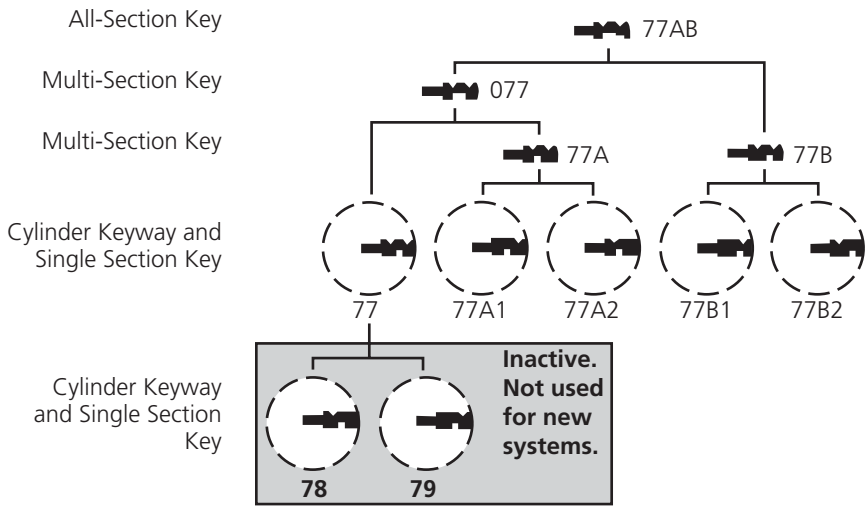


Security

Not Available

77 Series

7 keyways total (5 active).
Available 5-, 6- and 7-pin.
X Class bitting.
Reverse of 67 Series.



Security

Not Available

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981 Series

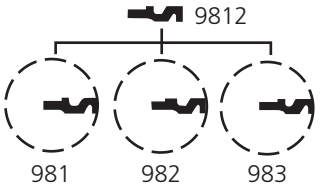
3 keyway multiplex system.
Available 5-, 6- and 7-pin.
981 Class bitting.

Security

Not Available

All-Section Key

Cylinder Keyway and Single Section Key



Former 6-pin Designations	961	962	963
Former 7-pin Designations	971	972	973

N Series (Obverse)

14 keyways total: N1- N14.
Available 5-, 6- and 7-pin.
N Class bitting.

Former Designations

6-pin: 1N-14N
5- and 7-pin: 1K-14K

Security

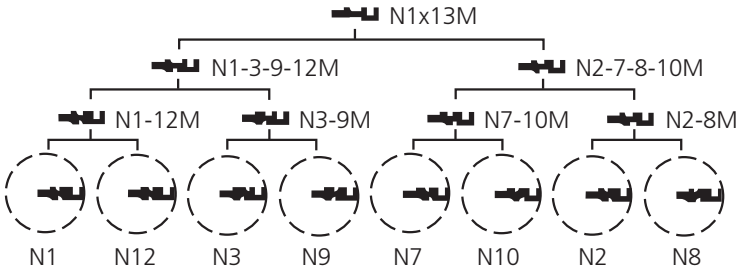
Not Available

All-Section Key

Multi-Section Key

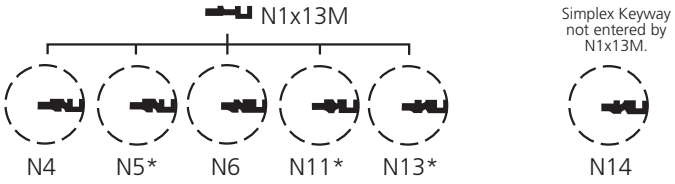
Multi-Section Key

Cylinder Keyway and Single Section Key



All-Section Key

Cylinder Keyway and Single Section Key



*NOTE: Do not use these pairs in the same keying system with each other: N1 with N13; N3 with N5; N7 with N11

N Series (Reverse)

14 keyways total: N15- N28.
Available 5-, 6- and 7-pin.
N Class bitting.

Former Designations

6-pin: 15N-28N
5- and 7-pin: 15K-28K

Security

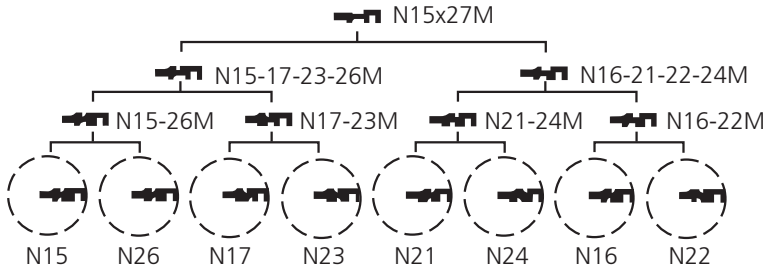
Not Available

All-Section Key

Multi-Section Key

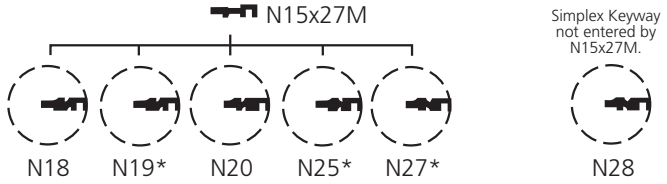
Multi-Section Key

Cylinder Keyway and Single Section Key



All-Section Key

Cylinder Keyway and Single Section Key



***NOTE: Do not use these pairs in the same keying system with each other: N15 with N27; N17 with N19; N21 with N25**

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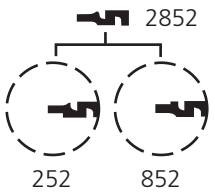
Keyways

Russwin® Inactive

Key Systems

852 Series

2 keyway multiplex system.
5-pin standard, 6-pin special.
Available with 10 Series bows only.
No hotel function cylinders.



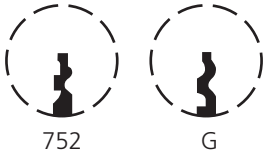
Security

Not Available

Simplex Keyways

5-pin only

752 uses 752 Class bitting
G uses 852 Class bitting
Available with 10 Series bows only.
No hotel function cylinders.



A Series (Obverse)

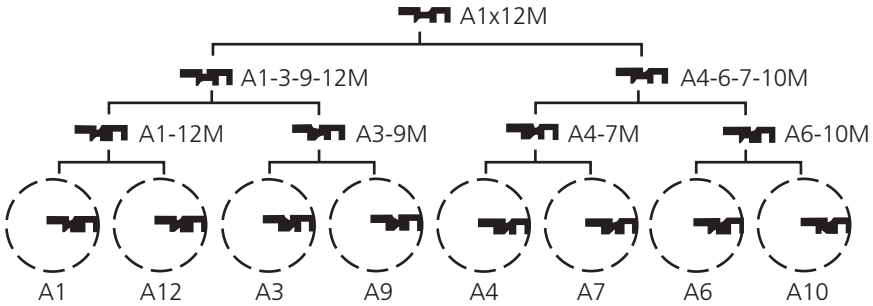
12 keyways: A1-A12.
5-pin standard, 6-pin special.
Available with 10 Series bows only.
A Class bitting.
No hotel function cylinders.

Former Designations
5-pin: 1A-12A
6-pin: 1Z-12Z

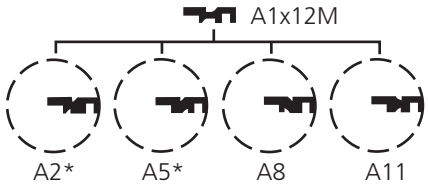
Security

Not Available

All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



All-Section Key
Cylinder Keyway and Single Section Key



* NOTE: Do not use these pairs in the same keying system with each other: A1 with A2; A4 with A5.

A Series (Reverse)

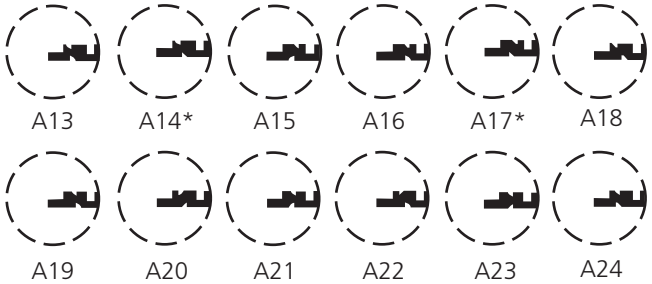
12 keyways: A13-A24.
5-pin standard, 6-pin special.
Available with 10 Series bows only.
A Class bitting.
No hotel function cylinders.

Former Designations
5-pin: 13A-24A
6-pin: 13Z-24Z

Security

Not Available

Cylinder Keyway and Single Section Key



*** NOTE: Do not use these pairs in the same keying system with each other: A13 with A14; A16 with A17.**

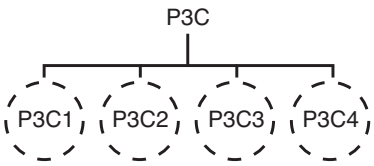
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Pyramid (Protected)

P3C Series

Keyway profiles not shown for security reasons.
4 keyway multiplex

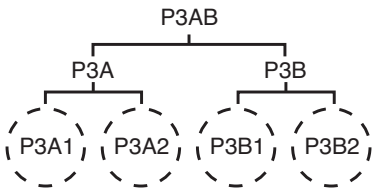
Multi-Section Key
Cylinder Keyway and Single Section Key



P3AB Series

Keyway profiles not shown for security reasons.
4 keyway multiplex

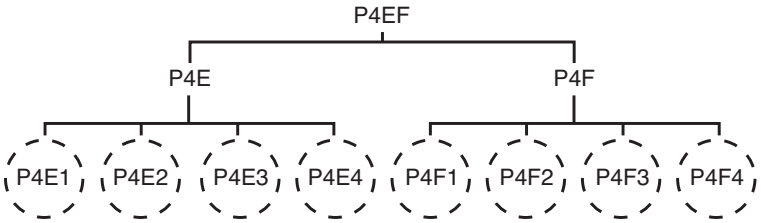
All-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



P4EF Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

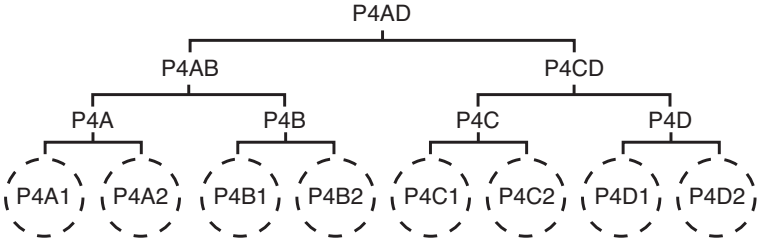
All-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



P4AD Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

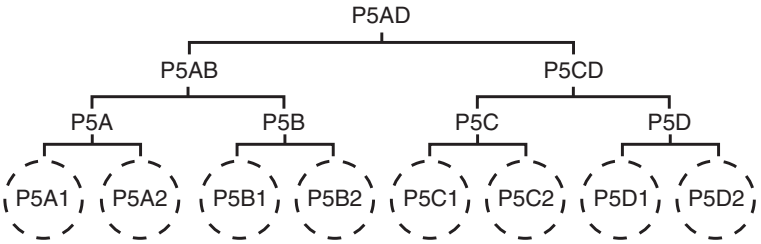
All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



P5AD Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

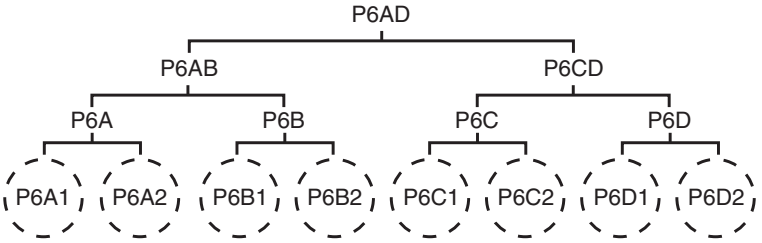
All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



P6AD Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and Single Section Key



***Note: Each P6 keyway will have its own unique side pin code locations to be assigned by Key Systems Administration. The side pin code is not available with the other Pyramid keyway families.**

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Mortise Cylinder Cams

Lockset Applications

Key Systems

Cams for current products or models

	Type	Part Number		Model/Description
	A01	Reg. 756F50 IC	Corbin Russwin Arrow®, Marks 5000, PDQ	Steel case mortise locks except classroom and institutional privacy functions. Deadbolt functions of green cast iron case mortise locks. NOT for master ring mortise cylinders. All mortise functions using Cloverleaf cam.
	A02	Reg. 756F51 IC	Corbin Russwin Baldwin Marks	Steel case mortise lock classroom (55), inside of vestibule (42) and institutional privacy (69) functions. Most exit device trims. NOT for master ring mortise cylinders. All mortise locks. 7000, 9000 and most brands of older black cast iron locks.
	A03	Reg. 756F52 IC	Corbin Russwin Adams Rite® Lori	DL3000 Series Cylindrical Deadlocks only. 1800 Series, 4015 Deadlocks; 4500 and 4700 Series Latch Locks. CR4500, CR4600 Series Deadlocks.
	A04	Reg. 756F53 IC	Corbin Russwin	DL4000 Series Mortise Deadlocks only.
	A05	Reg. 756F54 IC	*Adams Rite*	CR4070 Series Deadlocks.
	A06	Reg. 756F55 IC	Schlage®	L9000 Series (Cloverleaf only).
	A07	Reg. 756F56 IC	Corbin Russwin	DL4100 Series Deadbolts
	A61	Reg. 562F40	Corbin Russwin	Mortise Series deadbolt function master ring locks manufactured **since June 10, 1993** (silver case). Adapt earlier (gold case) model to use this cam by installing thumbturn hub 562F41-2.
	A62	Reg. 756F58 IC	Corbin Russwin Corbin Russwin DORMA	Mortise Series Master Ring classroom (55) function and inside of vestibule (42) function mortise locksets. CR900 Series Mullion, CRWS700 Series Mullion (Both KRM) Mortise Locks
	A65	Reg. 025F72	Corbin Russwin	Mortise Series: required for master ring deadbolt functions manufactured **before June 10, 1993** (gold case) and for outside of current vestibule (42) function. Optional for current non-deadbolt functions except classroom (55) and inside of vestibule (42) function.
	A92	Reg. 756F62 IC	Corbin Russwin	Concealed vertical rod exit device outside grip handle operators 01 and 02.

Cams for obsolete Corbin Russwin products or models

 A63	121F01	Corbin Russwin	Black cast iron case master ring mortise locks, except models with 1" throw deadbolt.
 A64	135F19	Corbin Russwin	Black cast iron case master ring mortise locks with 1" throw deadbolt.
 A93	Reg. 281F27 IC 362F43	Corbin Russwin	610 and 1403 Series Cylindrical Deadlocks.

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Standard Collars +

Spring		
	253F97	.150" (5/32")
	249F43	.096" (3/32")
	549F51	.156" (5/32") - Ring only
	549F52	.219" (7/32") - Ring Only
	605F43	.350" (11/32")
	428F66	Packet: 549F52 + 253F97
	429F43	Packet: 549F51 + 249F43

Solid, Recessed for Cylinder Head		
	700F53	.090" (3/32") VR trim, double cylinder 1-1/4"
	261F54	.094" (3/32") x 2-1/4" O.D. for ED6000 with T5, T6, T9, T9M, T10, T10M, T11M trim
	270F15	.156" (5/32"); total projection 9/32"
	598F89*	.156" (5/32"); total projection 9/32"
	447F41*	.031" (1/32"); total projection 1/4"
	447F42*	.172" (11/64"); total projection 25/64"
	610FO1*	.221" (7/32"); total projection 7/16"
	610F02*	.289" (9/32"); total projection 1/2"
	654F07	.350" (11/32"); total projection 15/32"
	447F43*	.375" (3/8"); total projection 19/32"
	609F36*	.500" (1/2"); total projection 23/32"
	609F37*	.650" (21/32"); total projection 7/8"
	609F38*	.850" (27/32"); total projection 1-1/16"
	134F05	.510" (1/2") for ED6800 x B5 or G6 and all ED7400, ED7800 with 1-1/8" cylinder
	267F97	.635" (5/8") for ED6800 x O1 or O2 with 1-1/8" and ED6800 x B5 or G6 and all ED7400, ED7800 with 1-1/4" cylinder
	399F48	.750" (3/4") for ED6800 x O1 or O2 with 1-1/4" cylinder
	654F08	.550" (9/16"); total projection 11/16"

Spacers for Flexible Head Cylinders		
	370F29	.125" (1/8")
	370F31	.250" (1/4")
	252F82	.315" (5/16")

Other Solid Collars		
	416F39*	.172" (11/64") security collar; total projection 13/32"
	686F98*	.172" (11/64") security collar; total projection 13/32" (3 wave washers)
	303F25	.312" (5/16") for 1-1/8" cylinder on aluminum door

Miscellaneous		
	255F53	Rim cylinder, flush mount
	422F88	Rim cylinder, surface mount
	197F34	Wave washer

*** Number includes wave washer in packet**

+ Refer to corresponding parts and service manuals for correct cylinder collar applications and selection guide

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Cylinder Accessories

Collars and Master Ring Adapter

Key Systems

Master Ring Collars +

Solid, Recessed for Cylinder Head		
	447F44*	.031" (1/32"); total projection 1/4"
	447F45*	.172" (11/64"); total projection 25/64"
	447F46*	.375" (3/8"); total projection 19/32"
	699F81*	.505" (1/2"); total projection 23/32"
	261F55	.094" (3/32") X 2-1/4" O.D. for ED6000 with T5, T6, T9, T9M, T10, T10M, T11M trim
Spacers for Flexible Head Cylinders		
	366F70	.090" (3/32") tapered
	370F33	.094" (3/32")
	370F35	.281" (9/32")
Miscellaneous		
	255F54	Rim cylinder, flush mount
	197F35	Wave washer

*** Number includes wave washer in packet**

+ Refer to corresponding parts and service manuals for correct cylinder collar applications and selection guide

Master Ring Adapter



For installing standard diameter mortise cylinder in master ring lockset.
Specify 522F93-2.
Order cam separately. See page 40.

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Collars

- 1-3/4" (44mm) thick door. For other door thicknesses and trim considerations, contact Corbin Russwin Technical Product Support.
- Mortise Cylinders – 1-1/4" (32mm) length



	Spring	Solid								Surface Mount
	605F43 (.350)	447F41 (.030)	700F53 (.090)	270F15 (.156)	598F89 (.156)	447F42 (.172)	610F02 (.289)	447F43 (.375)	654F07 (.350)	267F97 (.635)	422F88 (.000)
Mortise Cylinder											
High Security Separately (1020, 1030)							X				
Security Separately (1027, 1037)	X										
Mortise Lock											
Single Cylinder											
Sectional							X				
N Escutcheon					X						
P Escutcheon					X						
M Escutcheon					X						
L & R Escutcheon		X									
T Escutcheon (no collar required)											
Double Cylinder											
Sectional								X			
N Escutcheon							X				
P Escutcheon							X				
M Escutcheon							X				
L & R Escutcheon						X					
T Escutcheon						X					
V Escutcheon			X								
Auxiliary Locks											
DL4011, 4013, 4017						X					
DL4012								X			
Rim Cylinder											
High Security Separately (CR3020, CR3030)											X
Security Separately (CR3027, CR3037)											X
Exit Devices											
ED4000-5000 Series											
700 Trim, F2, F3, T13, P9									X		
K1				X							
700M Trim, F2M, F3M, T13M							X				
900 Trim											X
Cylinder Dogging				X							
ED6000 Series											
N3, G4, T3				X							
N4M, G5M											X
T7M, T9M					X						
ED7000 Series											
P4, P6, P7		X									
C4, 03, 05										X	
T11				X							
ED8000 Series											
KO											X
F1, P1, P2 (no collar required)											

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Corbin Russwin
ASSA ABLOY

Plug Diameters/Quick Codes

Key Systems

Corbin Russwin Cylinder Plug Diameters

When combinating Corbin Russwin cylinders, the diameter of the plug determines the set of bottom pin and build-up pin lengths to use. The plug diameter is either .509" or .552". All Pyramid cylinders have a plug diameter of .496" and have their own pin kit. Current Corbin Russwin cylinder plug diameters are listed below by product series. Before 1983, however, all Corbin® X Class cylinders used .509" diameter plugs.

CL3200 Series*	Security Bolt	.509"	1400/4300 Series (obsolete)	Cylindrical	.552"
CL3100, CL3300 CL3500, CL3800 Series	Cylindrical	.509"	Pyramid Series	All	.496"
CL3400 & CL3600 Series*	Cylindrical	.509"			
CL3700 Series*	Cylindrical	.509"	Mortise Cylinders		.552"
CL3900 Series*	Cylindrical	.509"	Rim Cylinders		.552"
CK4200* CL3500, CL3800 Series	Cylindrical	.552"	Interchangeable Cores		.509"
CK4300 & CK4400 Series	Cylindrical	.509"	Padlocks		.509"
CK4700 Series	Cylindrical	.509"	Competitors' Key-in-Lever/Knob		.552"
UT5200 Series	Unit Lock	.552"	Security, all cylinders		.552"
DL2200 Series	Deadlock	.509"	Exit Devices, except IC		.552"
DL3000 Series	Deadlock	.552"	A6/N6/PR6 trim and obsolete		.509"
DL3200 Series	Deadlock	.509"	NS/AS trim		.509"

Cylinder Options

Description	Quick Code
IC 6-pin with temporary construction core (Red) IC 6-pin with temporary construction core (Blue) IC 6-pin with temporary construction core (Green)	CT6R CT6B CT6G
IC 6-pin with disposable temporary core	CT6D
IC 6-pin with SFIC disposable temporary core[1] (Mortise)	CT6SD[1]
IC 6-pin with small format temporary disposable core	CTSD
IC 7-pin with temporary construction core (Red) IC 7-pin with temporary construction core (Blue) IC 7-pin with temporary construction core (Green)	CT7R CT7B CT7G
IC 7-pin with disposable temporary core	CT7D
IC 7-pin with SFIC disposable temporary core[1] (Mortise)	CT7SD[1]
Pyramid with temporary construction core	CTP
Pyramid with disposable temporary core	CTPD
SFIC 6-pin with less core (rim and mortise)	CLS6
SFIC 7-pin with less core (rim and mortise)	CLS7
Bump-resistant cylinders	BRP

Keying Options

Description	Quick Code
0-bitted with 2 blank keys (except HS, CHS)	(standard)[5]
Keyed random	KR
Keyed alike	KA
Keyed to specific bitting (specify bitting)	KS
Uncombinated (Keys not provided)	UC[4]
Construction master keyed	CMK (Not available with interchangeable core)

Key Quantity Options

2 change keys per cylinder[2]	(standard)[2]
Other than 2 change keys per cylinder (i.e. customer requests 6 change keys per cylinder)	KY# (i.e., KY6)
No change keys	KY0
Master keys (if required)[3]	Specify Qty.
Control keys (if required)[3]	Specify Qty.
CMK keys (if required)[3]	Specify Qty.
CMK control keys (if required)[3]	Specify Qty.
SKD control keys (if required)[3]	Specify Qty.
Special purpose keys, i.e., ENG (if required)[3]	Specify Qty.

[1]Corbin Russwin does not furnish permanent SFIC cores
[2]Keys shipped separately for security and Pyramid master keyed cylinders
[3]Order as cut keys
[4]Pyramid High Security and Master Ring cylinder not available UC
[5]Pyramid cylinders are not available 0-bitted
*Discontinued

Collar Options - Mortise and Rim Cylinders Only

Description	Quick Code
Collar packet (549F52 + 253F97)	428F66
Rim collar, flush mount	255F53
Rim collar, flush mount (master ring)	255F54
Rim collar, surface mount (standard for rim cylinders)	422F88
Solid collar - .030	447F41
Solid collar - .031 (master ring)	447F44
Solid collar - .090 (VR trim only)	700F53
Solid collar - .094	261F54
Solid collar - .094 (master ring)	261F55
Solid collar - .156	270F15
Solid collar - .156	598F89
Solid collar - .172 (tapered security collar)	416F39
Solid collar - .172	447F42
Solid collar - .172 (master ring- standard for MR 118 cylinders)	447F45
Solid collar - .221	610F01
Solid collar - .289	610F02
Solid collar - .312	303F25
Solid collar - .350	654F07
Solid collar - .375	447F43
Solid collar - .375 (master ring)	447F46
Solid collar - .500	609F36
Solid collar - .510	134F05
Solid collar - .550	654F08
Solid collar - .635	267F97
Solid collar - .650	609F37
Solid collar - .749	399F47
Solid collar - .850	609F38
Spacer for flexible head cylinders - .125	370F29
Spacer for flexible head cylinders - .250	370F31
Spacer for flexible head cylinders - .315	252F82
Spacer for flexible head master ring cylinders - .094	370F33
Spacer for flexible head master ring cylinders - .281	370F35
Spacer for flexible head master ring cylinders (tapered) - .090	366F70
Spring collar - .150 (standard for 118 cylinders)	253F97
Spring collar - .219	549F52
Spring collar - .350 (standard for 114 cylinders)	605F43

Experience a safer and more open world

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Quick Codes/How to Order

Key Systems

Stamping Options*

Description	Quick Code
Keys stamped with bitting number	(standard)
No keyset or bitting stamping on keys	VKC0
Keys only stamped with keyset (standard for HS, CHS, PS, PHS, PCS, PCHS)	VKC1
Keys stamped with keyset, cylinders stamped with keyset on face of plug - not available for HS, CHS, PS, PHS, PCS, PCHS	VKC2
Keys stamped with bitting, cylinders stamped with keyset on face of plug - not available for HS, CHS, PS, PHS, PCS, PCHS	VKC3
Keys stamped with keyset, cylinders stamped with keyset in concealed location	CKC2
Keys stamped with bitting, cylinders stamped with keyset in concealed location- not available for HS, CHS, PS, PHS, PCS, PCHS	CKC3
Less Trade Mark (No Corbin Russwin logo on cylinders)	LTM

*see page 6 for detailed descriptions

KeyBow Options

Description	Quick Code
Corbin Russwin logo	(standard)
Plain both sides	KB11
Do Not Duplicate	KB12
US Property Do Not Duplicate	KB13
Protected Do Not Duplicate (only for protected keyways)	KB19
Restricted Do Not Duplicate (only for restricted keyways)	KB19
Pyramid (only for Pyramid keys)	KB28
Large bow, plain both sides	KB51
Large bow, Do Not Duplicate	KB52
Large bow, US Property Do Not Duplicate	KB53
Large bow, protected Do Not Duplicate (only for protected keyways)	KB19
Large bow, Restricted Do Not Duplicate (only for restricted keyways)	KB59
Security bow Corbin Russwin logo (only for security keys)	KB90
Security bow plain both sides (only for security keys)	KB91
Security bow, Do Not Duplicate (only for security keys)	KB92
Security bow, US Property Do Not Duplicate (only for security keys)	KB93
Security bow, protected Do Not Duplicate (only for security keys, protected keyways)	KB99
Security bow, Restricted Do Not Duplicate (only for security, restricted keyways)	KB99

How to Order Cylinders

Mortise Separately

Keyset	Cylinder	Length	Cam	Pins	Keyway	Finish
AA1	CR1000	118	A01	7	L4	626

Rim Separately

Keyset	Cylinder	Length	Pins	Keyway	Finish
AA1	CR3000	058	7	L4	626

Key-in-Lever/Knob Separately

Keyset	Cylinder	Lockset Series	Pins	Keyway	Finish
AA1	CR2000	033	7	L4	626

IC Cores Separately

Keyset	Cylinder	Pins	Keyway	Finish
AA1	CR8000	7	L4	626

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Service Equipment

Pin Kits

Key Systems

Single System Pin Kits

For the end user with one Corbin Russwin System 70 keying system to maintain. Each kit has all pins necessary to combinate interchangeable core and master ring cylinders, as well as conventional cylinders (both .509" and .552" plug diameters). Furnished in a handsomely finished hardwood case with combinating instructions on the inside of the lid. Includes key gauge, tweezers and both diameter plug followers.

PK-70-ZDH

For pinning all types of cylinders (except security) with Z Class keyways: 59, D, H and L Series, plus 60, 70 and restricted/ protected keyways using System 70 depths (1-6).

PK-70-X

For pinning all types of cylinders with X Class keyways: 27, 57, 67 and 77 Series, plus AR, BR, BL, 97 and 99 using System 70 depths (1-6).

PK-70-N

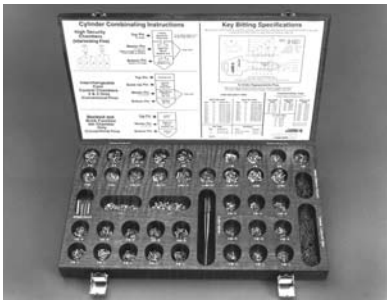
For pinning all types of cylinders with N Class keyways: N1-N28 using System 70 depths (1-6).



PK-70-ZDH
PK-70-X
PK-70-N

Security Pin Kit
PK-70-HS

For security cylinders, including interchangeable core, Brink and blockout function. Furnished in a handsomely finished hardwood case with combinating instructions on the inside of the lid. Includes tweezers.

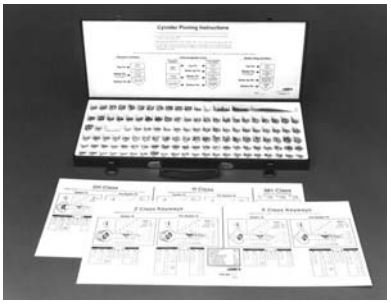


PK-70-HS

Deluxe Pin Kit
PK-1070

Ideal for locksmiths and distributor service personnel who must service a variety of Corbin Russwin keying systems. Also for end users with Pre-System 70 keying systems.

Contains all pins required to combinate standard, IC and master ring cylinders. Accommodates System 70 and non-System 70 for both plug diameters and all key classes. Furnished in a reinforced steel case with combinating instructions on the inside of the lid. A separate, removable, two-sided chart contains pin lengths for all modern key classes. Includes tweezers and both diameter plug followers.



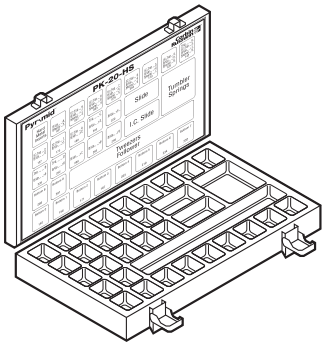
PK-1070

PK-20-HS

Each pin kit has all the pins necessary to combinate standard and interchangeable core Pyramid High Security cylinders. Includes tweezers, plug follower, key gauge and combinating instructions.

PK-20-PS

Each pin kit has all the pins necessary to combinate standard and interchangeable core Pyramid Security Cylinders. Includes tweezers, plug follower, key gauge and combinating instructions.



PK-20-HS

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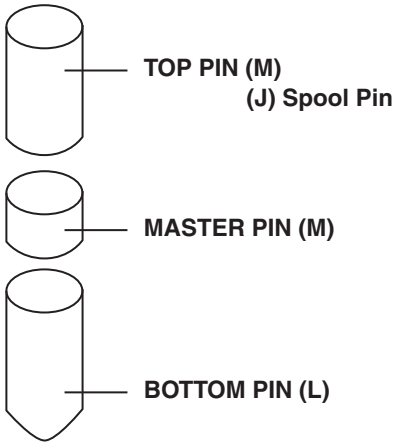
Replacement Pin for Kits

For a complete listing of all Cylinder Components, refer to Cylinder/Owner's Manuals.

How to Order Conventional Pins

Suffix 3-digit length in thousandths of an inch to base number.
Example: .160" bottom pin is 553F484-160.

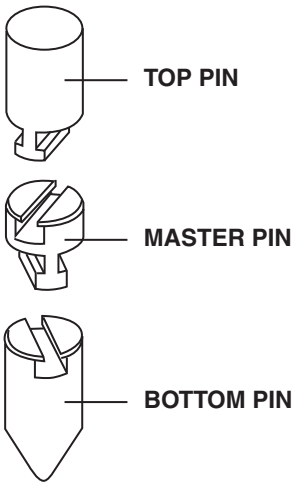
Description		Number
Specify quantity of vials (100 pins/vial):		
	Bottom Pins (L Series)	553F48-4 + length
	Master/Top/Build-up Pins	553F49-2 + length
	(M Series)	
	Spool Top Pins (J Series)	553F50-2 + length
Specify quantity of vials (1500 balls/vial):		
	Construction Balls	546F97-8
• Pins are packaged in a secure, spill-proof plastic vial with hinged top.		
• 12 vials per master carton.		



How to Order Security Pins

Replace the "x" in the part number with the pin's skew number.
Bottom pins use skews **L** (1) and **R** (2).
Master pins use skews **L** (1), **R** (2) and **S** (3).
Example: #2 master pin with S skew is 407T334-097.

Description		Number
Specify quantity of pins (must be multiple of 20):		
	Bottom Pin, #2	407T4x4-242
	Bottom Pin, #3	407T4x4-270
	Bottom Pin, #4	407T4x4-298
	Bottom Pin, #5	407T4x4-326
	Bottom Pin, #6	407T4x4-354
	Master Pin, #2	407T3x4-097
	Master Pin, #3	407T3x4-125
	Master Pin, #4	407T3x4-153
	Top Pin #1 (long)	407T43-4193
	Top Pin #2 (short)	407T43-4158



How to Order Pyramid Security Pins

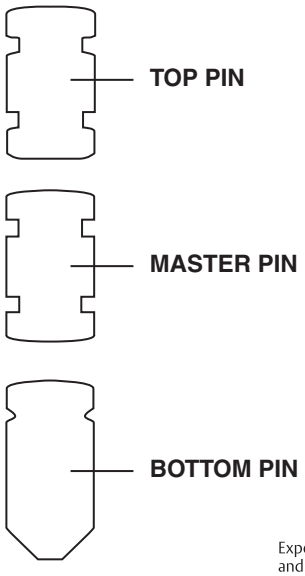
Suffix 3-digit length in thousandths of an inch to base number.

Description		Number
Specify quantity of vials (100 pins/vial):		
	Bottom Pins (Nickel Silver)	695F244 + length
	Master/Build-up Pins/Top	695F252 + length
	(Brass)	

How to Order Pyramid High Security Pins

Suffix 3-digit length in thousandths of an inch to base number.

Description		Number
Specify quantity of vials (100 pins/vial):		
	Bottom Pins (Stainless Steel)	695F247 + length
	Master/Build-up Pins/Top	695F257 + length
	(Stainless Steel)	



How to Order Pyramid Bump Resistant Pins

Description		Number
Specify quantity of vials (100 pins/vial):		
	Size A	628F107142
	Size C	628F107236

How to Order Pyramid P6 Side Pins

Description		Number
Specify quantity of vials (20 pins/vial):		
	P6 Side Pin	630F494

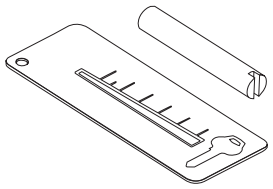
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Service Equipment

Replacement Pin for Kits

Key Systems

Cylinder Tool Kit No. CT-93



Kit No. CT-93 contains the following items (also available separately):

CT-4	Follower for 509" diameter plugs
CT-11	Key gauge for Corbin® X and Z Class System 70 and pre-System 70
CT-19	Tweezers
CT-21	Key gauge for Russwin® N Class System 70 and pre-System 70
CT-22	Key gauge for Russwin DH Class System 70 and pre-System 70
CT-23	Key gauge for Russwin 981 and 852 Classes
CT-54	Follower for .552" diameter plugs

Pyramid Tools

CT-20	Pyramid plug follower (.495" diameter)
CT-20K	Key Gauge for Pyramid

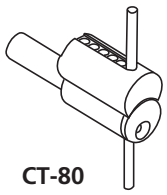
Other Tools

CT-5	Pin Chamber Reamer
CT-7	Pin Chamber Burring Tool
CT-10	Loading tool for CK4400 Series and IC cylinder shells

Cylinder Installation Wrench No. CT-80

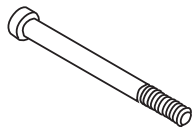
CT-80 is for interchangeable core mortise cylinders. It is used to:

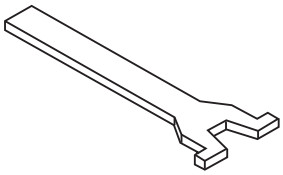
- Install and remove Corbin Russwin interchangeable core mortise cylinder housing without marring cylinder scalp finish.
- Test cam operation before fastening the mortise cylinder set screw.
- Align the pins of the throw member before installing the core.

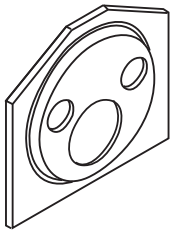


CT-80

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Screws	
438F41 -8	Cam screw, mortise cylinder and RFC padlocks
438F42-8	Cam screw, IC mortise cylinder
488F08-8	Mortise cylinder set screw packet (1 screw), standard cylinder size
488F10-8	Mortise cylinder set screw packet (1 screw), master ring
021F68-8	Rim cylinder mounting screw, 2-9/32" long for 1-3/8" - 2-1/2" doors
021F71-8	Rim cylinder mounting screw, 3-1/8" long for 2-3/4" - 3-1/2" doors
Disposable Core 10 Packs	
627F00-9	Corbin Russwin LFIC
707F21-9	Corbin Russwin SFIC
Tailpieces	
655F00-8	5/8" horizontal for rim cylinder CR3000-058
655F01-8	5/8" horizontal for IC rim cylinder CR3080-058
582F29-8	1-1/4" horizontal for IC rim cylinder CR3080-114
490F55-8	1-3/8" horizontal for rim cylinder CR3000-138
253F85-8	1-7/8" horizontal for IC rim cylinder CR3080-178
483F09-8	1-7/8" vertical for IC rim cylinder CR3080-178V
253F76-8	2" horizontal for rim cylinder CR3000-200
413F48-8	2" vertical for rim cylinder CR3000-200V
284F13-8	3-1/8" horizontal for IC rim cylinder CR3080-318
253F77-8	3-1/2" horizontal for rim cylinder CR3000-312
413F49-8	3-1/2" vertical for rim cylinder CR3000-312V
778F778	For CR2000-031 & CR2000-031H cylinders
778F768	For CR2000-031-7 & CR2000-031H-7 cylinders
622F30-8	For CR2000-033 & CR2000-034-7 cylinders
622F29-8	For CR2000-034-6 cylinder
682F29-8	For CR2000-037 & CR2000-033-7 cylinders
596F89-8	For CR2000-038 cylinder
489F02-8	For CR2000-051 cylinder
680F60-8	For CR2000-039 cylinder
681F60-8	ForCR 2000-039L cylinder
Rim Cylinder Back Plates	
253F75-8	For standard and Pyramid rim cylinders
135F10-8	For master ring rim cylinders
Retainers	
173F79-8	.020" thick for CR2001 -051 cylinder
368F91-8	.030" thick for rim, CR2200, CR2210 & CR3000 Series cylinders
488F92-8	.032" thick for CK4200 and 1400/4300 Series locks
333F99-7	For CK4400 Series Locks, 4300 Series Cylinders, 8000 cores and Pyramid
655F41-5	For CR3080 IC rim cylinder
680F64-5	Threaded cap for CR2000-033, 034, 037, 039, Security & Pyramid KIL cylinders
585F31-2	Cap pin for above
Springs (Ordered in multiples of 100)	
585F32-7	For CR2000-033, 034, 037, 039, Security & Pyramid KIL cap pin)
792F997	IC Conventional & Security
603F20-7	Fixed Core Conventional & Security
026F75-7	Hotel Mortise blocking pin
697F50-7	All Pyramid Cylinders
314F98-7	For CR2001-034 indicator
Spring Covers	
217F42-2	5-pin brass (Rim/Mortise/IC)
217F44-2	6-pin brass (Rim/Mortise/IC/Pyramid IC)
314F88-7	6-pin stainless (2000 Series Knob/Lever)
217F43-2	7-pin brass (Rim/Mortise/IC/Pyramid Rim & Mortise)
585F39-7	7-pin stainless (2000 Series Lever/Pyramid KIL/KIK)
411F092	Pyramid KIL/KIK for other manufacturers products (2200 Series)

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Corbin Russwin
ASSA ABLOY

Policies and Procedures

Key Systems

Procedures

Corbin Russwin keying systems utilize the Standard Key Coding System illustrated on the following pages. To ensure prompt and accurate processing, purchase orders should be written using these key symbols to describe each master keyed item.
In addition to the key symbol, Corbin Russwin requires the following information on the keying system for ALL orders:

- End User (job) Name
- City, State, Zip Code
- Special key bows or key stamping
- VKC/CKC requirements (see page 6)

New Systems or New Branches of Existing Systems

Indicate system expansion in terms of estimated numbers of key combinations, not doors. All of this information is essential at the inception of a keying system in order for Corbin Russwin to ensure accommodation of the end user's present and future needs. Advise as follows:

- How many levels of keying?
- Plan for a construction master key?
- Any selective master keys, such as ENG?
- How many changes for each master?
- How many masters for each grand master? If mixing Corbin Russwin cylinder types, indicate clearly where each type of cylinder will be used within the expansion parameters:
  - Which masters or grands have security cylinders under them?
  - Which have interchangeable cores?
  - Which have master ring?
  - Which have conventional cylinders?

Existing System Add-Ons

For prompt processing, orders must include a positive identification for the keying system in addition to the job name, city, state and zip code. Any ONE of the following is positive ID:

- Registry number stamped on any existing factory master key
- Previous factory order number together with the year of that order

Letters of Authorization

No letter is needed when the items are to be drop shipped directly to the end user. In all other cases, to preserve the security of the end user's keying system, Corbin Russwin requires a letter of authorization on the end user's letterhead to obtain the following:

- Bitting lists
- Security blanks and cut keys
- Master level cut keys
- Protected key blanks, cylinders and plugs
- Pyramid key blanks, cylinders, and plugs

The letter of authorization can be brief but should include a specific description of what is being authorized for release, and a positive key system identification.

XYZ Corporation

1 Main St.
Anytown, USA 00001
(203) 555-5555

(Current Date)

Corbin Russwin Architectural Hardware
Key Systems Dept.

We authorize Acme Distributors to obtain a copy of the bitting list for our keying system GGMX5555. We also authorize them to order the quantities of master keys on our attached purchase order 1234AB.

Sincerely,

Gordon Morris
Security Director

Pyramid Key Discard Policy

It is essential that cut keys and key blank distribution policies and procedures be maintained and enforced for all Pyramid products.

Authorized Pyramid Distributors

Pyramid is a system-based product. An authorized distributor can stock Pyramid upon specific written authorization from the primary systems administrator of the facility. Authorized distributors have the ability to receive product, key product, cut keys and distribute the product to the facility.

Authorized Pyramid distributors who carry inventory for a specific system must provide valid receipts and disbursements of all Pyramid products, specifically key blanks/cut keys. All Pyramid key blanks to be maintained in the possession of an authorized Pyramid distributor must be accounted for. Any defective, incorrectly cut or damaged Pyramid key blanks must be retained in the distributor's possession to be reviewed and collected by a representative of ASSA ABLOY Door Security Solutions.

Pyramid Primary System Administrators

Any defective, incorrectly cut or damaged Pyramid key blank must be destroyed.

Pyramid Key Warranty

Pyramid key blanks are covered by a 5-year warranty as outlined in the current list price book.

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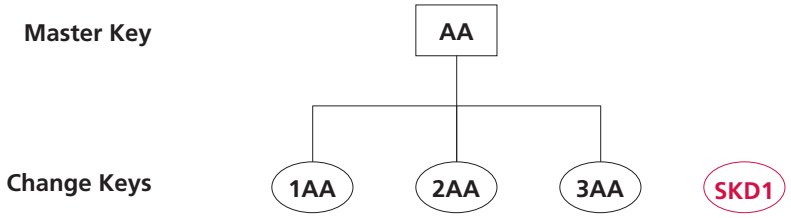
How to Establish Key Systems

Key Systems

To Specify a Simple Master Key System (2 Levels of Keying)

The master key symbol consists of TWO letters, such as **AA**. The change key numbers are added to the master key letters. The numbers come FIRST: **1AA**, **2AA**, **3AA**, etc.

When locks are required which are not operated by the master key or other change keys in the system, they are referred to as "single keyed" and given symbols **SKD1**, **SKD2**, etc. When all higher levels of master keys are to be disallowed, suffix (**NMK**) to the symbol of the key which is to operate. This means "not master keyed." Cylinder 1AA(**NMK**) is operated by **1AA** only. The **AA** master is blocked from operation.



To Specify a Grand Master Key System (3 Levels of Keying)

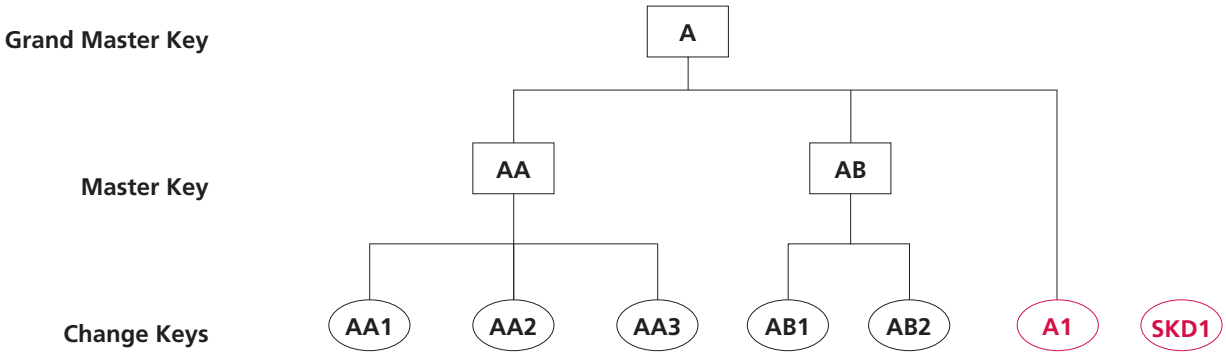
The grand master is assigned any ONE letter, such as A. The master keys under this grand are assigned TWO letters, the first of which must be the same as the grand: **AA**, **AB**, **AC**, etc. are all masters under grand **A**. Masters **BA**, **BB**, **BC**, etc., are all under grand **B**. Caution: Do not use the letters **I**, **O** or **Q** because of possible confusion with the numerals 1 and 0, respectively. Also do not use the letter **X** due to confusion with cross keying. Change key numbers come after the letters.

For master keys beyond **AZ**, insert a numeral between the letters to designate which pass through the alphabet they represent. **A2A** through **A2Z** represents the second pass of masters under grand **A**. **A3A** through **A3Z** would be the third. Change keys under these masters have the numbers suffixed in the usual way: **A2A1**, **A2A50**, etc.

If the cylinder is to be operated by its change key and nothing lower than the single lettered GMK, the change number is added to the GMK symbol. This is illustrated by the example **A1** in the schematic shown.

When locks are required which are not operated by ANY master keys or other change keys in the system, they are referred to as "single keyed" and given symbols **SKD1**, **SKD2**, etc.

When all higher levels of master keys are to be disallowed, suffix (**NMK**) to the symbol of the key which is to operate. This means "not master keyed" and can be applied to any level in the system. Cylinder **AA1** (**NMK**) is operated by **AA1** only. The **AA** master and **A** grand are blocked from operation. Cylinder **AA** (**NMK**) would be operated by the **AA** master only. Grand **A** does not operate.



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How to Establish Key Systems

4-Level Systems

Key Systems

To Specify a Great Grand Master Key System (4 Levels of Keying)

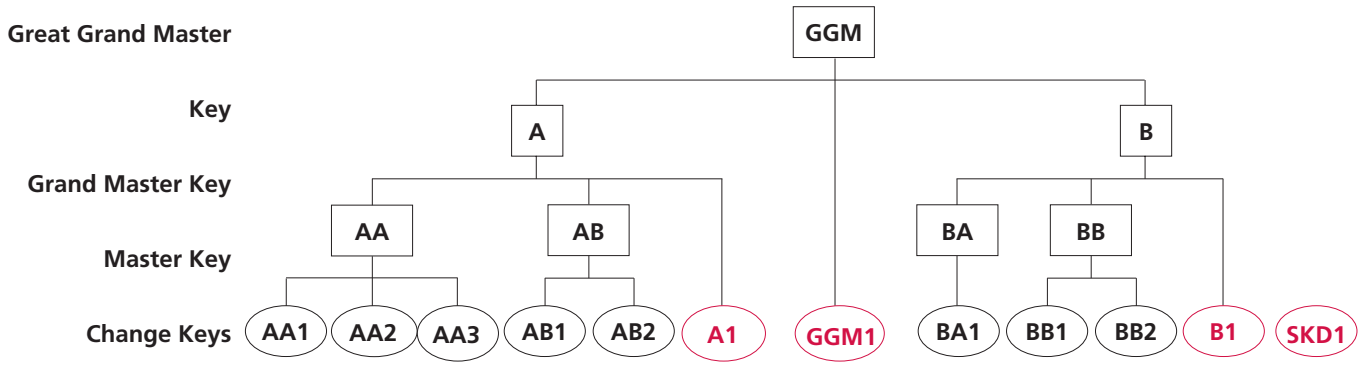
The great grand master key is assigned the symbol **GGM**. The rest of the symbols are the same as those in 3-level systems: The GMKs are assigned single letters, e.g., **A**, **B**, **C**, **D**, etc. Caution: Never use **X** for a grand master key due to the confusion which will result with cross keying symbols presented on page 52.

Masters under each GMK are assigned two letters, the first of which is the same as its respective grand master key. Change key numbers come *after* the letters. Changes under the grand (**A1**, **B1**, etc.) and masters beyond **AZ** are handled exactly as in the 3-level system already described.

Changes directly under a grand are also handled as illustrated in the 3-level system. For changes directly under the **GGM** with no intermediate level masters, the change number is added directly to **GGM** as shown by the example **GGM1** in the schematic.

When locks are required which are not operated by ANY master keys or other change keys in the system, they are referred to as "single keyed" and given symbols **SKD1**, SKD2, etc.

When all higher levels of master keys are to be disallowed, suffix (**NMK**) to the symbol of the key which is to operate. This means "not master keyed" and can be applied to any level in the system. Cylinder **AA1** (**NMK**) is operated by **AA1** only. The **AA** master, **A** grand and **GGM** are all blocked from operation. Cylinder **AA** (**NMK**) is operated by the **AA** master only. Grand **A** and the **GGM** do not operate. Cylinder **A** (**NMK**) would be operated by the **A** grand only, without the **GGM**.



Selective Master Keys

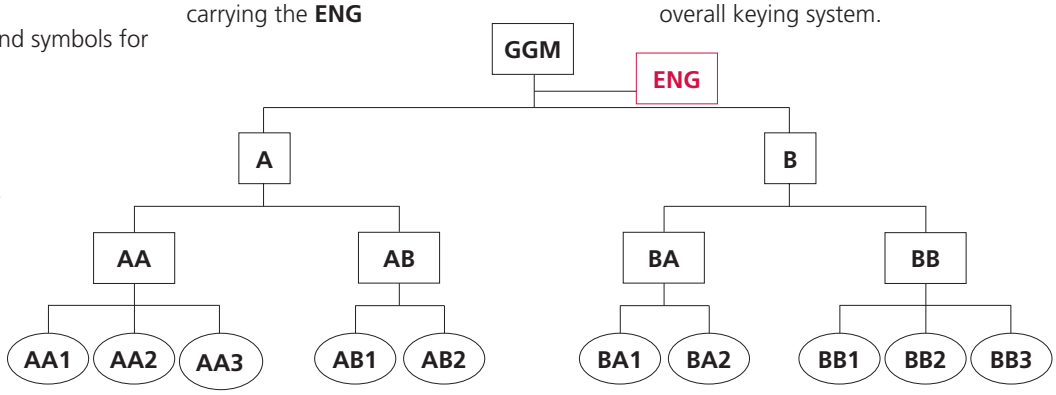
It is often useful in large keying systems to issue a high level master key to maintenance personnel which allows access across all master and grand master key boundaries of a keying system. A selective master key is usually very close to the system's top master key, both physically and through its realm of access. Nevertheless, it must be blocked from operating in many areas.

The most common names and symbols for selective master keys are:

ENG	Engineer's key
ATT	Attendant's key
JAN	Janitor's key
HKP	Housekeeper's key
GRD	Guard's key
MAIN	Maintenance

To designate that a lock be operated by a selective master key, suffix the symbol in parentheses to the standard symbol. Example: **AA1** (**ENG**). This must be added *every time* the selective key is to operate and left off whenever the selective key is NOT to operate. For instance, you may lay out a system in which key **AA1** is to operate two different offices. Inside one of them is an electrical cabinet which must be accessible to maintenance personnel carrying the **ENG** key. That lock must be specified as **AA1** (**ENG**) while the lock for the other office must be specified as **AA1**. Change keys directly under the selective key, such as **ENG1**, are operated by all higher level keys, such as **GGM**.

I.ike cross keying, a selective master key is a convenience feature which decreases the security of the cylinders it operates and limits the expansion and flexibility of the overall keying system.



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How to Establish Key Systems

Key Systems

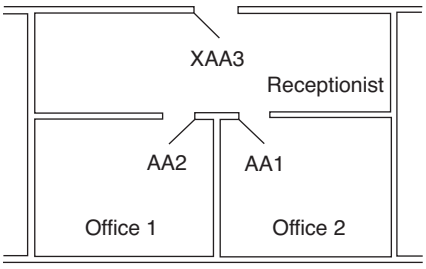
Convenience May Reduce Cylinder Security and Hinder System Expansion

Whenever two or more different keys such as **AA1** and **AA2** are both required to operate the same cylinder, the cylinder's security is reduced. This is called *cross keying*. When the cross keying occurs under all the same higher level keys, such as **AA1** and **AA2**, it is known as *controlled* cross keying. When it combines keys under different higher level keys, such as **AA1** and **AB1**, it is known as *uncontrolled* cross keying.

In addition to reducing the security of the cylinder, cross keying usually imposes limits on the flexibility and expansion of the overall keying system. This is especially true of uncontrolled cross keying. For these reasons, it is strongly recommended to allow personnel to carry more than one key. Cross keying should be discouraged whenever possible. However, when cross keying is required, it is specified as follows, and should be summarized at the beginning of each order.

Case #1

Cylinder requires its own change key. The illustration depicts part of a small medical building where two doctors share a common receptionist. The receptionist gets the **AA3** key. Each doctor carries a key which operates only one office, but is also cross keyed into the entrance from the corridor.

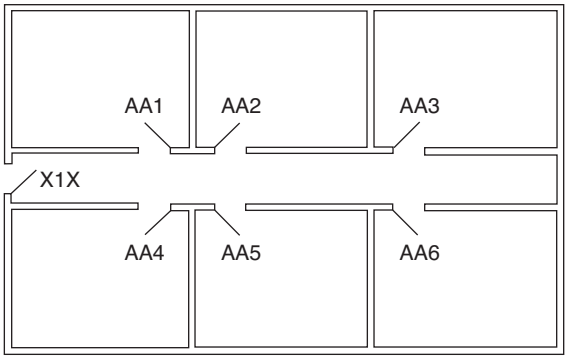


XAA3 operated by AA1, AA2, AA and A.

Determine the symbol of the change key (example: **AA3**). Then prefix the letter X (example: **XAA3**). Then list all keys which are to operate in an "*operated by . . .*" phrase. Example: "**XAA3** operated by **AA1**, **AA2**, **AA** and **A**". Note that **X** is a *cylinder* specification only. The keys for cylinder **XAA3** are designated **AA3**.

Case #2

Cylinder does NOT require its own change key. This illustration depicts a section of a floor in a dormitory. Each student's bedroom key operates the hall door lock. There is no need to construct a key which operates only the hall door.



X1X operated by AA1 through AA6, AA and A.

In this case, place an **X** at both the beginning and end of the symbol and a number between them. Example: **X1X**, **X2X**, etc. Again, *always include the "operated by . . ." phrase* with a complete listing of key symbols to operate.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

Corbin Russwin

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For additional information, contact your ASSA ABLOY Door Security Solutions sales consultant or visit **www.corbinrusswin.com.**

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ML2000 Series

Product Catalog

Experience a safer
and more open world

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Overview

ML2000 Series

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www.corbinrusswin.com

Quality

The ML2000 Series is a Grade 1 mortise lock designed to meet the rigors of high-traffic commercial, institutional, industrial and government applications. Constructed of heavy-gauge steel, the lockbody features our patented Quick Reversible latchbolt, and a 1" stainless steel deadbolt. A wide variety of trim designs and functions and a 10-year warranty lend to the ML2000's versatility and reliability, making it the ideal choice for use in offices, schools, hospitals, hotels and other high-use applications.

Security

Further discourage intrusion and abuse with the ML2000VR (Vandal Resistant) series mortise lock. This lock features vandal-resistant stainless steel escutcheons with tapered edges and Torx® pin tamper resistant screws. When matched with Corbin Russwin patented high-security cylinders, any door can become a formidable barrier to intruders.

Flexible

The ML2000 Series has a multi-function capability, allowing 12 functions to be configured from one lockbody. The ML2054 entrance function (ANSI F04) uses a universal lockbody with the ability to reconfigure into other functions without dissembling the lock case.

Aesthetics

Complement any application with the full range of trim designs and finishes offered with ML2000 Series. From stainless steel security trims to bright brass Vineyard™ levers, design continuum can be achieved without forfeiting aesthetics. For additional information regarding designer trim, see the Corbin Russwin Vineyard™ Collection and Muséo® Collection catalogs.

Key Advantages

- Patented Quick Reversible feature enables reversal of hands without disassembling the lock case (Patent pending and/or patent www.assaabloydss.com/patents)
- Security trims provide a vandal-resistant barrier
- Can be used with new or existing Corbin Russwin key systems. Also accepts cylinders of most other manufacturers.
- Provides life safety and security in a single door prep, saving the additional cost of a deadlock
- Thru-bolted trim designs for proper alignment and increased security
- Multi-function lockbody

Experience a safer and more open world

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Corbin Russwin
ASSA ABLOY

Features

ML2000 Series

Features

Handing
Handed; quick reversible. The lockset can be re-handed without disassembling the lock case; see page 81.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 76.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).
Optional: non-ferrous lockcase for corrosion resistance; see Quick Codes, page 76.

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm). Furnished 1-1/16" (27mm), optional D138, wide for 1-3/8" (35mm) doors.

Armored Front
Wrought brass, bronze or stainless steel attached by machine screws to lockcase front. ML2000VR utilizes security Torx® screws.

Latchbolt
2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Occupancy Indicator
Occupancy indicators for use with ML2000 x sectional trim. Design features option for dual indicators on double cylinder functions, confirming door is secured from either side. Emergency override standard for all non-keyed functions.

Hub
- Knob: stainless steel, 9/32" (7mm) x 9/32" (7mm).
- Lever: steel, 5/16" (8mm). (Including (VR))

Spacing
C. to c. knob/lever to cylinder: 3-5/8" (92mm).
C. to c. knob/lever to thumbturn: 2-7/16" (62mm).

Strike
Wrought brass, bronze or stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 76.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard.
Optional cylinders available; see Quick Codes, page 75.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
Plug only to show (concealed shell)
7-pin cylinder
Security cylinder
Access 3® cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Pyramid IC
Access 3® IC
Master ring cylinder
Flex head cylinder

Warranty
Ten-year limited.

Certification/Compliance

ANSI/BHMA
Certified A156.13 Series 1000, Operational and Security Grade 1. Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

UL/cUL-UL10C Positive Pressure
All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair (3 hour fire door). Letter F and UL symbol on armored front indicate listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard)
All levers with returns, return to within 1/2" (13mm) of door face.

Windstorm/Hurricane
Certified (refer to local codes).

(VR) Indicates ML2000VR (Vandal Resistant) availability.

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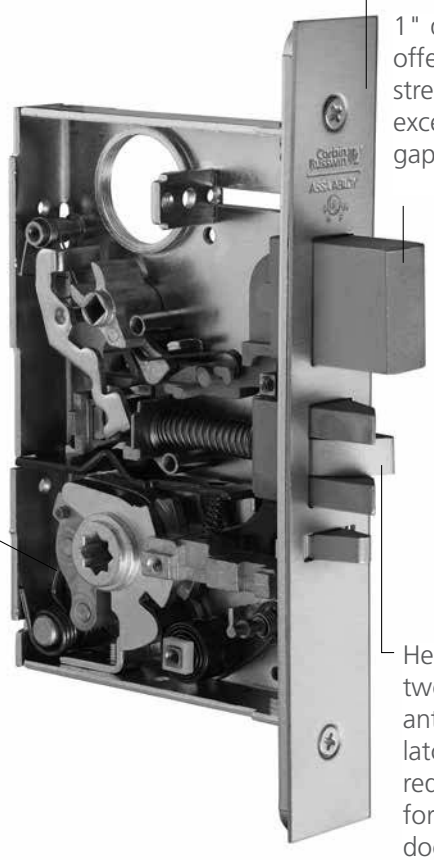
Features

ML2000 Series

Finishes

ANSI/BHMA 605 (US3)		Bright Brass
ANSI/BHMA 606 (US4)		Satin Brass
ANSI/BHMA 611 (US9)		Bright Bronze
ANSI/BHMA 612 (US10)		Satin Bronze
ANSI/BHMA 613 (US10B)		Oxidized Bronze, oil rubbed
613E (US10BE)		Dark Oxidized Satin Bronze - Equivalent
613L		Dark Oxidized Satin Bronze, Clear Coated
ANSI/BHMA 618 (US14)		Bright Nickel Plated
ANSI/BHMA 619 (US15)		Satin Nickel Plated
ANSI/BHMA 625 (US26)		Bright Chromium Plated
ANSI/BHMA 626 (US26D)		Satin Chromium Plated
626C		Satin Chromium Plated with MicroShield®
ANSI/BHMA 629 (US32)	(VR)	Bright Stainless Steel
ANSI/BHMA 630 (US32D)	(VR)	Satin Stainless Steel
630C		Satin Stainless Steel with MicroShield®
722		Black Oxidized Bronze, oil rubbed
BSP		Black Suede Powder Coat
WSP		White Suede Powder Coat

BHMA CERTIFIED



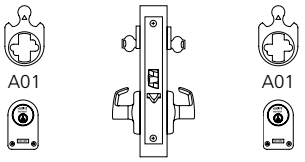
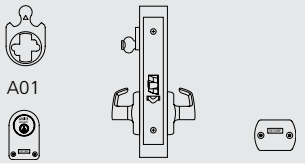
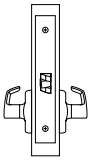
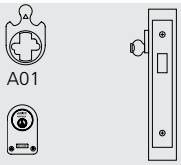
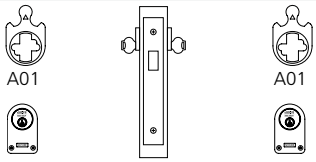
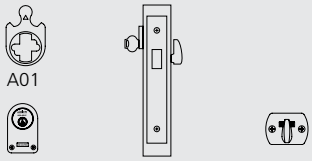
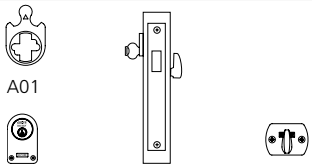
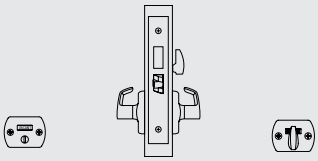
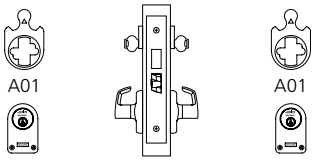
(VR) Indicates ML2000VR (Vandal Resistant) availability.

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Functions

ML2000 Series

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
 A01	A01	ML2002 (HSS)	Classroom Intruder	—	• Latchbolt by grip either side, unless outside grip is locked by key either side. • Outside grip locked or unlocked by cylinder either side. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
 A01		ML2003 (HSS)	Classroom	—	• Lock or unlock outside grip by key. • Latchbolt by grip either side, unless outside grip is locked. • Inside grip always free. • Auxiliary latch deadlocks latch.
		ML2010 (VR) (HSS)	Passage or Closet	F01	• Latchbolt by grip either side. • Both grips always free.
 A01		ML2011 (VR) (HSS)	Deadlock	F18	• Deadbolt by key outside. • No inside operation.
 A01	A01	ML2012 (HSS)	Deadlock	F16	• Deadbolt by key either side.
 A01		ML2013 (HSS)	Deadlock	F17	• Deadbolt by key outside or by thumbturn grip inside.
 A01		ML2017 (HSS)	Classroom Deadlock	F29	• Deadbolt by key outside. • Thumbturn grip inside retracts deadbolt only; will not project deadbolt.
		ML2020 (VR) (HSS)	Privacy Bedroom or Bathroom	F02	• Latchbolt by grip* either side, when deadbolt is retracted. • Deadbolt by thumbturn grip inside or by emergency release tool outside. • No simultaneous deadbolt and latch retraction. • Non-panic release. • Not available with M19S ro M19SN.
 A01	A01	ML2022 (VR) (HSS)	Store Door	F14	• Latchbolt by grip* either side when deadbolt is retracted. • Deadbolt by key either side. • Latchbolt retracted by key either side. • Non-panic release. • No simultaneous deadbolt and latch retraction.

 Indicates Indicator option is available

 Indicates Indicator option is available

 Indicates rigid grip.

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

* When lever handles are furnished, both outside and inside are locked when deadbolt is projected.

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Functions

ML2000 Series

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
A01		ML2024 (VR) (HSS)	Entrance or Storeroom	F21	• Latchbolt by grip* either side when deadbolt is retracted. • Deadbolt by key outside or by thumbturn grip inside. • Latchbolt retracted by key outside. • Non-panic release. • No simultaneous deadbolt and latch retraction.
A01 (Hotel Cylinder)		ML2029 (VR)	Hotel or Motel	F15	• Latchbolt by grip inside and by guest key or master key outside. • Outside grip always rigid. • Deadbolt by thumbturn grip inside or by emergency key outside. • Inside grip simultaneously retracts latchbolt and deadbolt. • Emergency key shuts out all other keys. • Auxiliary latch deadlocks latchbolt. Note: Indicator shows deadbolt position only.
		ML2030 (VR)	Privacy Bedroom or Bathroom	F19	• Latchbolt by grip either side unless outside grip locked by thumbturn. • Deadbolt by thumbturn grip inside or by emergency release tool outside. • Inside grip simultaneously retracts latchbolt and deadbolt and unlocks outside grip. • Not available with M19S or M19SN.
A01	A01	ML2032 (VR) (HSS)	Institution or Utility	F30	• Latchbolt by key either side. • Both grips always rigid. • Auxiliary latch deadlocks latchbolt. Note: This function does not allow free egress and can pose a life safety hazard in event of an emergency. Installation should be in accordance with approved codes only.
A01	A02	ML2042 (VR) (HSS)	Entrance or Public Restroom	F09	• Latchbolt by grip either side, unless outside grip is locked by key from inside. • Latchbolt by key outside when outside grip is locked. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
A01		ML2048 (VR)	Entrance or Apartment	F08 F10	• Latchbolt* by key outside or by grip either side, unless outside grip is locked by toggle-action stop. • Deadbolt by key outside or by thumbturn grip inside. • Inside grip free when deadbolt is retracted. • Non-panic release. • No simultaneous deadbolt and latch retraction. Note: Indicator shows deadbolt position only.
A01		ML2049 (VR)	Storeroom Deadbolt	—	• Latchbolt and deadbolt by grip inside or by key outside. • Inside grip simultaneously retracts deadbolt and latchbolt. • Outside grip always rigid. • Deadbolt thrown or retracted by key outside or thumbturn grip inside. • Auxiliary latch deadlocks latchbolt. • Inside grip always free. Note: Indicator shows deadbolt position only.
		ML2050	Half Dummy Trim	—	• Grip acts as pull only; no operation.
A01		ML2051 (VR) (HSS)	Entrance or Office	F04	• Latchbolt by key when outside grip locked by toggle action stop. • Latchbolt by grip either side, unless outside grip is locked by toggle-action stop. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.

Indicates Indicator option is available

Indicates rigid grip.

Indicates Indicator option is available

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

* When lever handles are furnished, both outside and inside are locked when deadbolt is projected.

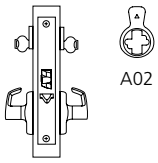
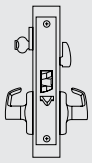
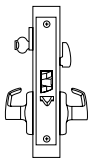
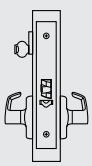
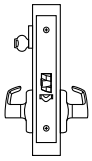
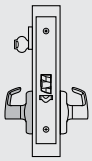
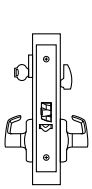
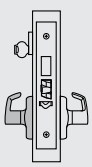
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Functions

ML2000 Series

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
A02	A02 	ML2052 (VR) (HSS)	Classroom Intruder	F32	• Latchbolt by grip either side, unless outside grip is locked by key either side. • Latchbolt by key when outside grip locked. • Auxiliary latch deadlocks latchbolt. • Inside grip always free. • Outside grip remains locked unless unlocked by key either side. Note: Not available with indicator, specify ML2002.
A02		ML2053 (VR) (HSS)	Entrance or Office	—	• Latchbolt by grip either side, unless outside grip is locked or unlocked by key or thumbturn. • Outside grip locked or unlocked by key or thumbturn. • Latchbolt by key when outside grip locked. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
A01		ML2054 (VR) (HSS)	Entrance or Office	F04	• Latchbolt by grip either side, unless outside grip is locked. • Outside grip locked or unlocked by thumbturn. • Latchbolt by key when outside grip locked. • Auxiliary latch deadlocks latchbolt. • Inside grip always free. • Multi-function capable, see page 10 for more info.
A02		ML2055 (VR) (HSS)	Classroom	F05	• Latchbolt by grip either side, unless outside grip is locked by key outside • Latchbolt by key when outside grip locked. • Auxiliary latch deadlocks latchbolt. • Inside grip always free. • Outside grip remains locked unless unlocked by key. Note: Not available with indicator, specify ML2003.
A02		ML2056 (VR) (HSS)	Classroom Holdback	F06	• Latchbolt by grip either side, unless outside grip is locked or unlocked by key. • Latchbolt by key outside when outside grip is locked. • Latchbolt can be held in a retracted position by key, or released by key. • Auxiliary latch deadlocks latchbolt. • Inside grip always free. Note: Not approved for use on U.L. fire listed applications.
A01		ML2057 (VR) (HSS)	Storeroom or Closet	F07	• Latchbolt by grip inside or by key outside. • Outside grip always rigid. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
A02		ML2058 (HSS)	Entrance or Office Holdback	—	• Latchbolt by grip either side, unless outside grip is locked. • Outside grip locked or unlocked by key or thumbturn. • Latchbolt retracted by key outside when outside grip is locked. • Latchbolt can be held in a retracted position by key or thumbturn, or released by key or thumbturn. • Auxiliary latch deadlocks latchbolt. • Inside grip always free. Note: Not approved for use on U.L. fire listed applications.
A01		ML2059	Security Storeroom or Closet	—	• Latchbolt and deadbolt by grip inside or by key outside. • Inside grip simultaneously retracts deadbolt & latchbolt. • Outside grip always rigid. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.

 Indicates rigid grip.

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

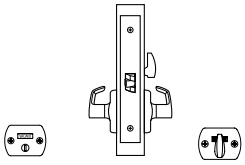
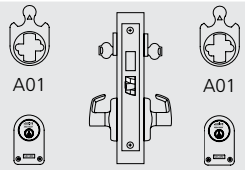
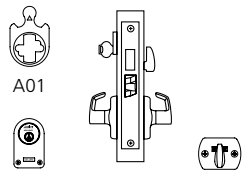
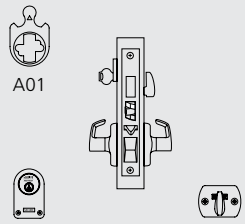
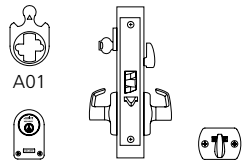
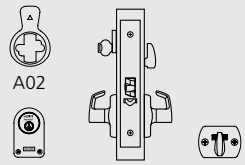
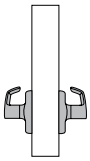
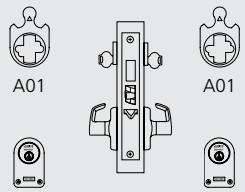
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Functions

ML2000 Series

Outside Inside	Series/Function	Type	ANSI No.	Function Description
	ML2060 (HSS)	Privacy	F22	• Latchbolt by grip either side, except when outside grip is locked by thumbturn inside. • Operating inside grip, closing door or operating emergency key outside unlocks outside grip. • Inside grip always free. • Not available with M19S or M19SN.
	ML2062	Intruder Deadbolt	F33	• Latchbolt by grip either side, unless outside grip is locked by projection of deadbolt. • Deadbolt thrown or retracted by key from either side. • Inside grip simultaneously retracts latchbolt and deadbolt and unlocks outside grip. • Inside grip always free.
	ML2065 (VR)	Dormitory or Entrance	F13	• Latchbolt by grip either side unless outside grip locked by projection of deadbolt. • Deadbolt thrown or retracted by key outside or by thumbturn grip inside. • Inside grip simultaneously retracts latchbolt and deadbolt and unlocks outside grip. • Inside grip always free.
	ML2067 (VR)	Apartment or Dormitory	F20	• Latchbolt by grip either side, unless outside grip is locked by toggle-action stop or by projection of deadbolt. • Deadbolt thrown or retracted by key outside or by thumbturn grip inside. • Inside grip simultaneously retracts latchbolt and deadbolt; outside grip remains locked. • Auxiliary latch deadlocks latchbolt. • Outside grip unlocked by toggle-action stop. Note: Occupancy Indicator shows deadbolt position only.
	ML2068 (HSS)	Privacy or Apartment	—	• Latchbolt by grip either side, unless outside grip is locked. • Outside grip locked or unlocked by key or thumbturn. • Operating inside grip, closing the door or using key unlocks outside grip. • Inside grip always free. • Auxiliary latch deadlocks latch.
	ML2069 (HSS)	Institutional Privacy	F26	• Latchbolt by grip either side, except when outside is locked by thumbturn inside. • Operating inside grip or closing door unlocks outside grip. • Key outside retracts latch at all times, even if thumbturn is held in locked position. • Auxiliary latch deadlocks latchbolt.
	ML2070	Full Dummy Trim	—	• Grips act as pulls only; no operation.
	ML2072 (VR)	Classroom Intruder	—	• Latchbolt by grip from either side unless outside grip is locked by projection of deadbolt. • Deadbolt thrown or retracted by key from either side. • Inside grip simultaneously retracts latchbolt and deadbolt; outside grip remains locked. • Key either side unlocks outside grip; outside grip remains locked unless unlocked by key. • Auxiliary latch deadlocks latchbolt. Note: Indicator shows deadbolt position only.

Indicates Indicator option is available

Indicates rigid grip.

Indicates Indicator option is available

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

* When lever handles are furnished, both outside and inside are locked when deadbolt is projected.

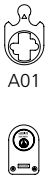
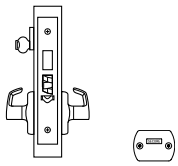
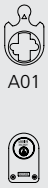
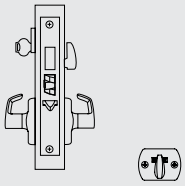
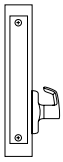
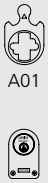
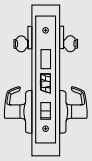
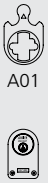
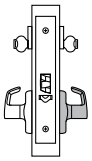
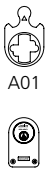
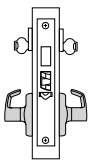
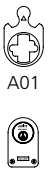
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Functions

ML2000 Series

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
A01 		ML2073 (VR)	Classroom Security	—	• Latchbolt by grip from either side unless outside grip is locked by projection of deadbolt. • Deadbolt thrown or retracted by key . • Inside grip simultaneously retracts latchbolt and deadbolt; outside grip remains locked. • Key unlocks outside grip; outside grip remains locked unless unlocked by key. • Auxiliary latch deadlocks latchbolt. Note: Indicator shows deadbolt position only.
A01 		ML2075 (VR)	Security Entrance or Office	—	• Latchbolt by grip from either side unless outside grip is locked by projection of deadbolt. • Deadbolt thrown or retracted by outside key or inside thumbturn. • Inside grip simultaneously retracts latchbolt and deadbolt; outside grip remains locked. • Key unlocks outside grip; outside grip remains locked unless unlocked by key. • Auxiliary latch deadlocks latchbolt. Note: Indicator shows deadbolt position only.
	ML2080	Half Active Dummy Trim	—	• Non-latching operation. • Grip always active; acts as push or pull only.
A01 	 A01 	ML2082 (VR)	Dormitory or Exit	F11	• Latchbolt by grip either side, unless outside grip is locked by toggle-action stop or by projection of deadbolt. • Deadbolt thrown by key from either side. • Deadbolt and latchbolt retracted by outside key when outside grip locked. • Outside grip unlocked by toggle-action stop. • Inside grip simultaneously retracts latchbolt and deadbolt; outside grip remains locked. Note: Indicator shows deadbolt position only.
A02 	 A01 	ML2087 (HSS)	Security Vestibule	—	• Latchbolt by grip outside, unless outside grip is locked by key outside. • Outside grip remains locked unless unlocked by key outside. • Latchbolt by key outside when outside grip locked. • Latchbolt by key inside. • Inside grip always rigid. • Auxiliary latch deadlocks latchbolt. Notes: - Handing must be specified. This function can only be field handed for door swing i.e. LH to LHR or RH to RHR. - Not available with L, R or V escutcheon trim. - This function does not allow free egress when inside locked and can pose a life safety hazard in even of an emergnecy. Installation should be in accordance with approved codes only.
	ML2090 (HSS)	Full Active Dummy Trim	—	• Non-latching operation. • Both grips always active; acts as push or pulls only.
A01 	 A01 	ML2092 (VR) (HSS)	Security Institution or Utility	—	• Latchbolt by key either side. • Deadbolt thrown and retracted by key either side. • Auxiliary latch deadlocks latchbolt. • Inside and outside grips remain locked at all times. Note: Indicator shows deadbolt position only. Note: This function does not allow free egress and can pose a life safety hazard in event of an emergency. Installation should be in accordance with approved codes only.

 Indicates Indicator option is available

 Indicates Indicator option is available

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

 Indicates rigid grip.

* When lever handles are furnished, both outside and inside are locked when deadbolt is projected.

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Multi-Function Configuration

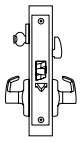
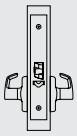
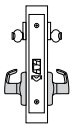
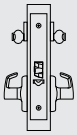
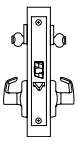
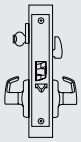
ML2000 Series

Multi-Function Capability for ML2000 Series

Corbin Russwin ML2000 Series mortise locks provide multi-function capability, allowing 12 functions to be configured using one lockbody.

The current ML2054 entrance function (ANSI F04) uses a universal lockbody with the ability to reconfigure into 11 other functions without disassembling the lock case and using few additional parts. All new and existing ML2054 function mortise locks provide this flexibility.

By specifying the ML2054, stock ordering is easier and facility maintenance is simplified.

ANSI #	Illustration	Function #	Type	Function Description	Instructions	Additional Part(s) Required
F04		ML2054	Entrance or Office	- Latchbolt by grip either side, unless outside grip is locked by thumbturn. - Outside grip locked or unlocked by thumbturn. - Latchbolt by key when outside grip locked. - Auxiliary latch deadlocks latchbolt. - Inside grip always free.	- Install thumbturn on inside. - Install cylinder with A01 cam on outside. 	- No additional parts required
F01		ML2010*	Passage or Closet	- Latchbolt by grip either side. - Both grips always free. *Multi-Function lockbody comes with auxiliary latchbolt, does not affect the operation of the function	- Do not install thumbturn or cylinder. - Remove red locking screw from lockbody. - Install lock in unlocked condition.	- No additional parts required
F30		ML2032	Institution or Utility	- Latchbolt by key either side. - Both grips always rigid. - Auxiliary latch deadlocks latchbolt. Note: This function does not allow free egress and can pose a life safety hazard in event of an emergency. Installation should be in accordance with approved codes only.	- Do not install thumbturn on inside. - Install cylinders with A01 cam on both inside and outside. - Add second red locking screw. - Install lock in locked condition.	- Red locking screw (part number 684F067) - Mortise cylinder with A01 cam 
F09		ML2042	Entrance or Public Restroom	- Latchbolt by grip either side, unless outside grip is locked by key from inside. - Latchbolt by key outside when outside grip is locked. - Auxiliary latch deadlocks latchbolt. - Inside grip always free.	- Do not install thumbturn on inside. - Install cylinders with A01 cam on outside and A02 cam on inside.	- Mortise cylinder with A02 cam 
F32		ML2052	Classroom Intruder	- Latchbolt by grip either side, unless outside grip is locked by key either side. - Latchbolt by key when outside grip is locked. - Auxiliary latch deadlocks latchbolt. - Inside grip always free. - Outside grip remains locked unless unlocked by key either side.	- Do not install thumbturn on inside. - Change cam on cylinder to A02. - Install cylinders with A02 cam on both inside and outside.	- A02 cam (part number 756F517) - Mortise cylinder with A02 cam 
—		ML2053	Entrance or Office	- Latchbolt by grip either side, unless outside grip is unlocked by key or thumbturn. - Outside grip remains locked unless unlocked by key or thumbturn. - Latchbolt by key when outside grip locked. - Auxiliary latch deadlocks latchbolt. - Inside grip always free.	- Install thumbturn on inside. - Change cam on cylinder to A02. - Install cylinder on outside.	- A02 cam (part number 756F517) 

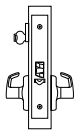
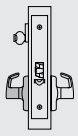
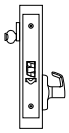
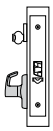
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Multi-Function Configuration

ML2000 Series

ANSI #	Illustration	Function #	Type	Function Description	Instructions	Additional Part(s) Required
F05		ML2055	Classroom	- Latchbolt by grip either side, unless outside grip is locked by key outside. - Latchbolt by key when outside grip locked. - Auxiliary latch deadlocks latchbolt. - Inside grip always free. - Outside grip remains locked unless unlocked by key.	- Do not install thumbturn on inside. - Change cam on cylinder to A02. - Install cylinder on outside.	- A02 cam (part number 756F517) 
F07		ML2057	Storeroom or Closet	- Latchbolt by grip inside or by key outside. - Outside grip always rigid. - Auxiliary latch deadlocks latchbolt. - Inside grip always free.	- Do not install thumbturn on inside. - Install cylinder with A01 cam on outside. - Install lock in locked condition.	- No additional parts required
—		N/A	Storeroom or Service	- Latchbolt by grip inside or by key outside. - Auxiliary latch deadlocks latchbolt. - Inside grip always free.	- Do not install thumbturn on inside. - Install cylinder with A01 cam on outside. - Install 1/2 trim multi-function kit on outside.	- 1/2 trim multi-function kit (part number 853F958)*
F31		N/A	Exit Latch	- Latchbolt by grip inside. - Auxiliary latch. - Inside grip always free.	- Do not install thumbturn on inside. - Do not install cylinders. - Install 1/2 trim multi-function kit on outside.	- 1/2 trim multi-function kit (part number 853F958)*
—		N/A	Utility	- Latchbolt by key outside. - Outside grip always rigid. - Auxiliary latch deadlocks latchbolt. Note: This function does not allow free egress and can pose a life safety hazard in event of an emergency. Installation should be in accordance with approved codes only.	- Do not install thumbturn on inside. - Install cylinder with A01 cam on outside. - Install 1/2 trim multi-function kit on inside. - Install inside lever on outside.	- 1/2 trim multi-function kit (part number 853F958)*
—		N/A	Closet	- Latchbolt by grip outside, unless grip is locked by key outside. - Latchbolt by key when outside grip locked. - Auxiliary latch deadlocks latchbolt. - Outside grip remains locked unless unlocked by key. Note: This function does not allow free egress and can pose a life safety hazard in event of an emergency. Installation should be in accordance with approved codes only.	- Do not install thumbturn on inside. - Install cylinder with A02 cam on the outside. - Install 1/2 trim multi-function kit on inside.	- A02 cam (part number 756F517)  - 1/2 trim multi-function kit (part number 853F958)*

*1/2 trim multi-function kit includes: M30 adapter plate (p/n 488F278), 2 retainer rings (p/n 427F078), 2 spacers (p/n 426F918), and 2 screws (p/n 814F808).

The information detailed pertains to sectional trim for standard 1-3/4" thick doors. For escutcheon trim and other applications, please contact our Technical Product Support specialists for information and details.

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Features

ML20900 ECL & ML20600NAC Series

Features

Handing
Handed; quick reversible. The lockset can be re-handed without disassembling the lockcase.

Door Thickness
1-3/4" (44mm) standard. Optional door thicknesses available; see Quick Codes, page 76.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy gauge steel, 8" (203mm) x 1-1/4" (32mm) x 3/32" (2mm).
Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought brass, bronze or stainless steel attached by machine screws to lockcase front.

Latchbolt
2-piece mechanical anti-friction insert, 5/8" (16mm) x l" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Hub
- Knob: stainless steel, 9/32" (7mm) x 9/32" (7mm).
- Lever: steel, 5/16" (8mm). (Including (VR))

Spacing
C. to c. knob/lever to cylinder: 3-5/8" (92mm)
C. to c. knob/lever to thumbturn: 2-7/16" (62mm).

Strike
Wrought brass, bronze or stainless steel ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8'' (29mm) lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 76.

Trim
Available with all ML2000 Series trim designs including the Vineyard™ Collection and the Muséo® Collection. See pages 20-62.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard. Optional cylinders available; see Quick Codes, page 75.

Keys
Two nickel silver standard.

Warranty
Ten-year limited warranty on ML2000 mortise lockset. Two-year limited warranty on electronic components.

Electrical Specifications (Fail Safe/Fail Secure)
12/24VDC @ 15mA Continuous
12/24VDC Peak current draw = .5A
(Maximum of 2 locks per 1A Power Supply)
Monitor Switch Rating: 2 amp @ 24VDC
Note: Operating voltage not to exceed +/- 10%.
See Quick Codes, page 77.

Environmental Specifications
Operating Temperature
-13°F (-25°C) to 151°F (66°C)
Operating Humidity
5% to 95% relative humidity non-condensing

Monitor Options - ML2000 and ML20900 ECL Only

M91 - Latchbolt Monitor
Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch. Note: See page 77 for available functions.

M92 - Request to Exit Monitor
Request to Exit monitoring is a SPDT switch which monitors the activation of the trim. (Both levers activate switch) Note: See page 77 for available functions.

M105 - Security Monitor
Security Monitor is two switches in series that monitors lock status (locked or unlocked) and Auxiliary Latch position. Note: Monitoring options may only be ordered together as follows: M91xM92, M92xM105. See page 77 for available functions.

Monitor Options – ML20600 NAC only

Internal End-of-Line Monitoring
Monitors the line from the access control panel to the lock, eliminating the risk of undetected tampering or damage.

PHR – Deadbolt Privacy Function
Engaging deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.

Certification/Compliance

ANSI/BHMA
Certified A156.13 Series 1000, operational and security Grade 1. Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

UL/cUL
All locks listed for A label and lesser class doors, 4' x 10' single or 8' x 10' pair. Letter F and UL symbol on armored front indicate listing. Meets requirements of UL1034.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire- rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard)
All levers with returns comply; levers return to within 1/2" of door face.

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Overview

ML20900 ECL Series

ML20900 ECL Series
Electrified Mortise Lockset

Simplicity
Combine simplicity and access control with the Corbin Russwin ML20900 ECL series electrically controlled mortise lock. Utilizing the proven ML2000 Series mortise lockset with the patented quick reversible latchbolt, the ML20900 series provides remote locking and unlocking. The electrified lock can be installed in a standard mortise prep with slight modification by door manufacturer. The ML20900 ECL is ideal for use where increased security is necessary at all times, such as tenant space, pharmacies, computer rooms, and high security areas.

Security
In applications where increased security is required, look no further than the ML2000VR Vandal Resistant Trim. This cast stainless steel trim features tapered edges, double through bolts, torx-pin tamper resistant screws and the lever remains attached to the escutcheon when the spindle is broken.

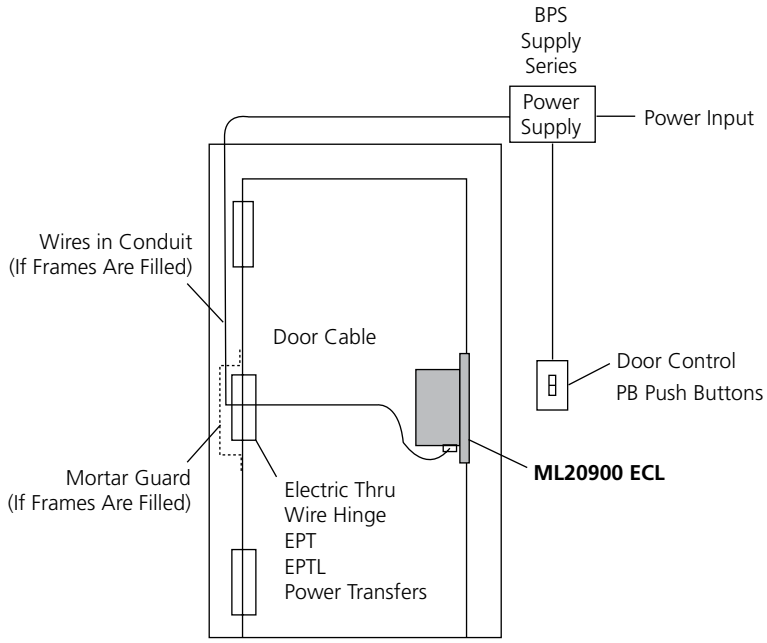
Aesthetics
Access control doesn't mean a loss of visual appeal. The Vineyard™ Collection and the Muséo® Collection feature beautifully designed levers, perfect for high-profile applications where pleasing aesthetics is a must.

Additional Features
- Mechanical key override
- Patented Quick Reversible latchbolt (Patent pending and/or patent www.assaabloydss.com/patents.)

Featuring EcoFlex® Technology:
- Reduces energy consumption up to 96%, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

Note: EcoFlex Technology is not available with master ring cylinders. Solenoid provided.

Typical Application



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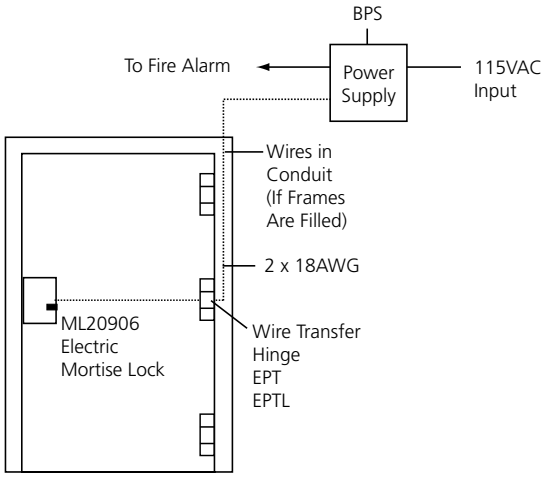
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Typical System Components (For Reference Only)

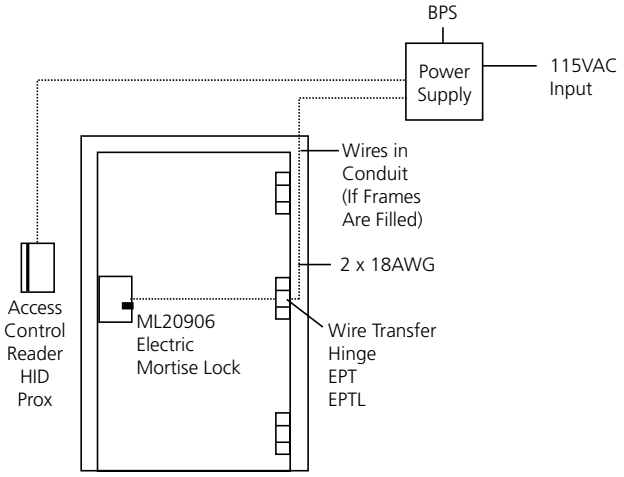
ML20900 ECL Series

Tower Stairwell



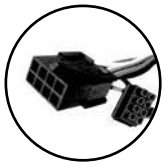
Operation:
Free egress at all times. Door is locked at all times preventing entry from the stairwell to a floor. Fire alarm activation will allow re-entry from the stairwell to the floor. Power failure will allow re-entry from the stairwell to the floor.

Access Control on Employee Entrance

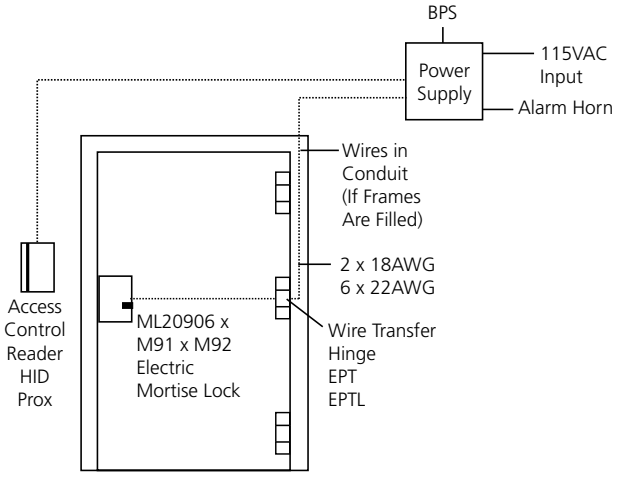


Operation:
Free egress at all times. Door is locked at all times preventing unauthorized entry. Authorized entry is permitted by presenting a valid user card.

ElectroLynx®, a system of universal Molex® plug-in connectors and standardized color-coded wiring, makes installing electrified doorway components a snap!



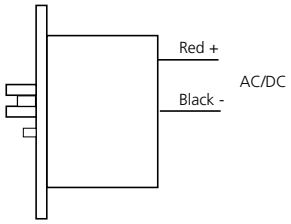
Controlled Entry With Alarm



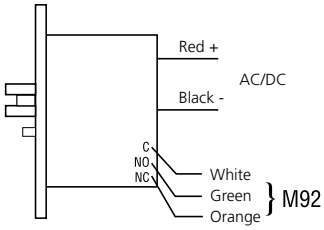
Operation:
Free egress at all times. User exits through the door which triggers the M92 switch which shunts the alarm. Door is locked at all times preventing unauthorized entry. Authorized entry is permitted by presenting a valid user card. Forced entry will trigger M91 switch and activate alarm. Alarm is deactivated by a valid user card.

Lock Schematics

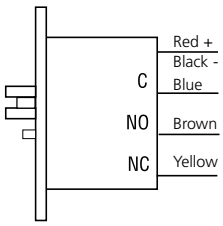
Power Leads



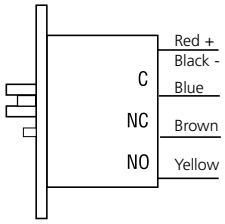
Power Leads x M92 (Request to Exit)



Power Leads x M91 (Latchbolt Monitor)



Power Leads x M105 (Security Monitor)



Consult factory for electrical system layouts, riser and wiring diagrams.

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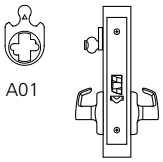
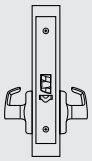
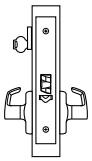
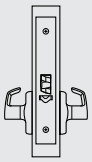
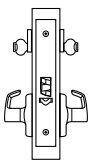
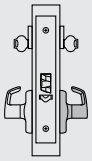
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Functions

ML20900 ECL Series

Fail Safe

The following functions are unlocked when power is off and locked when the power is on.

Outside	Inside	Series/Function	Description
 A01		ML20906 x SAF (VR) (HSS)	• Latchbolt by grip either side, unless outside grip is locked by energizing lock. • Latchbolt by key outside when lock is energized. • Inside grip always free. • Auxiliary latch deadlocks latchbolt.
		ML20907 x SAF (VR) (HSS)	• Latchbolt by grip either side, unless outside grip is locked by energizing lock. • Inside grip always free. • Auxiliary latch deadlocks latchbolt.
 A01		ML20914 x SAF (VR) (HSS)	• Latchbolt by grip either side, unless both grips are locked by energizing lock. • Latchbolt by key outside when lock is energized. • Auxiliary latch deadlocks latchbolt.
		ML20915 x SAF (VR) (HSS)	• Latchbolt by grip either side, unless both grips are locked by energizing lock. • Auxiliary latch deadlocks latchbolt.
 A01	  A01	ML20932 x SAF (VR) (HSS)	• Latchbolt by grip either side, unless both grips are locked by energizing lock. • Latchbolt by key inside or outside when lock is energized. • Auxiliary latch deadlocks latchbolt.
 A01	  A01	ML20987 x SAF (HSS)	• Latchbolt by grip outside, unless outside grip is locked by energizing lock. • Latchbolt by key both sides. • Inside grip always rigid. • Auxiliary latch deadlocks latchbolt. Notes: - This function does not allow free egress and can pose a life safety hazard in the event of an emergency. Installation should be in accordance with approved codes only. - Not available with L, R, or V escutcheon trim.

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

Indicates rigid grip.

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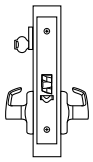
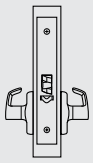
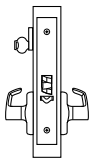
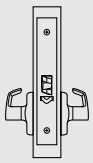
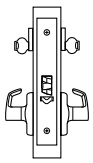
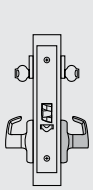
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Functions

ML20900 ECL Series

Fail Secure

The following functions are locked when power is off and unlocked when the power is on.

Outside	Inside	Series/Function	Description
A01		ML20906 x SEC (VR) (HSS)	• Latchbolt by grip either side only when lock is energized. • Outside grip locked when lock is not energized. • Latchbolt by key outside when lock is not energized. • Inside grip always free. • Auxiliary latch deadlocks latchbolt.
		ML20907 x SEC (VR) (HSS)	• Latchbolt by grip either side only when lock is energized. • Outside grip locked when lock is not energized. • Inside grip always free. • Auxiliary latch deadlocks latchbolt.
A01		ML20914 x SEC (VR) (HSS)	• Latchbolt by grip either side only when lock is energized. • Both grips locked when lock is not energized. • Latchbolt by key outside when lock is not energized. • Auxiliary latch deadlocks latchbolt.
		ML20915 x SEC (VR) (HSS)	• Latchbolt by grip either side only when lock is energized. • Both grips locked when lock is not energized. • Auxiliary latch deadlocks latchbolt.
A01	 A01	ML20932 x SEC (VR) (HSS)	• Latchbolt by grip either side only when lock is energized. • Both grips locked when lock is not energized. • Latchbolt by key inside or outside when lock is not energized. • Auxiliary latch deadlocks latchbolt
A01	 A01	ML20987 x SEC (HSS)	• Latchbolt by grip outside when lock is energized. • Outside grip locked when lock is not energized. • Latchbolt by key both sides. • Inside grip always rigid. • Auxiliary latch deadlocks latchbolt. Notes: - This function does not allow free egress and can pose a life safety hazard in the event of an emergency. Installation should be in accordance with approved codes only. - Not available with L, R, or V escutcheon trim.

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

Indicates rigid grip.

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Overview

ML20600 NAC Series

ML20600 NAC Series Electrified Mortise Lock with High Security Monitoring

The high security monitoring options of our industry-leading Integrated Wiegand locks are now available in a mortise lock with ElectroLynx® connectors that can be used as a stand-alone electrified lock or in conjunction with a wall reader. Every NAC lock is shipped with door position and request to exit monitoring installed. NAC locks ordered with deadbolt are supplied with deadbolt monitoring. (PHR options will replace deadbolt monitoring with deadbolt privacy)

High Security Monitoring Options

- **Internal End-of-Line Monitoring**
  Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

  Select a compatible resistor configuration and add the appropriate quick code to the beginning of your order string:
  – **R01**: Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision
  – **R03**: Software House compatible 1KΩ/2KΩ resistance supervision
  – **R04**: AMAG compatible 4-state supervision

- **Deadbolt Privacy Function (PHR)**
  – Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.
  – Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower areas
  – To order, add the PHR to the options of your order string available with SEC deadbolt functions only (ML20608 x SEC or ML20609 x SEC)

See how to order examples page 73.

Featuring EcoFlex® Technology:
- Reduces energy consumption up to 96% as certified by GreenCircle
  – Lower operating costs
  – Assists with load reduction in optimizing energy performance credit in LEED
  – Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  – Higher performance and reduced maintenance
  – Ability to have longer cable runs without negatively impacting lock function
  – Reduces risk of voltage drops and eliminates inductive kickback
  – Lower total cost of ownership

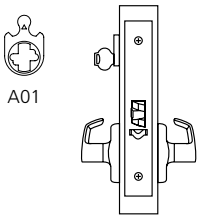
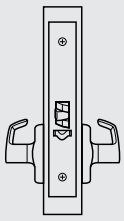
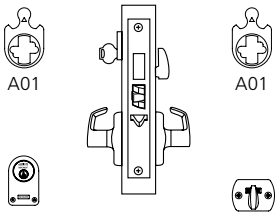
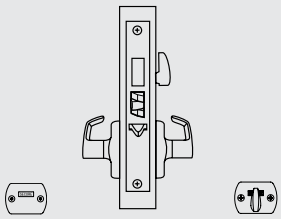
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Functions

ML20600 NAC Series

Fail Safe

Outside Inside	Series/Function	Type	Function Description
 A01	ML20606 x NAC x SAF Fail Safe With Key Override No Deadbolt (VR) (HSS)	Entry	• Fail Safe - Power off unlocks outside trim • Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when lock is not energized • Key outside retracts latch • Request to exit and secure door position monitor are standard
	ML20607 x NAC x SAF Fail Safe No Key Override No Deadbolt (VR) (HSS)	Entry	• Fail Safe - Power off unlocks outside trim • Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when lock is not energized • Request to exit and secure door position monitor are standard
 A01 A01	ML20608 x NAC x SAF Fail Safe With Key Override With Deadbolt (VR) (HSS)	Entry With Deadbolt	• Fail Safe - Power off unlocks outside trim • Deadlocking latch • Latch and deadbolt retracted by inside lever and deadbolt at all times • Outside lever rigid except when lock is not energized • Key outside projects or retracts deadbolt and retracts latch • Turnpiece inside extends and retracts deadbolt • Request to exit and secure door position monitor are standard • Indicator shows deadbolt position only
	ML20609 x NAC x SAF Fail Safe No Key Override With Deadbolt (VR) (HSS)	Entry With Deadbolt	• Fail Safe - Power off unlocks outside trim • Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when lock is not energized • Turnpiece inside extends and retracts deadbolt • Request to exit and secure door position monitor are standard • Indicator shows deadbolt position only

Indicates Indicator option is available

Indicates Indicator option is available

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

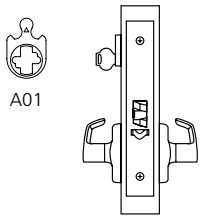
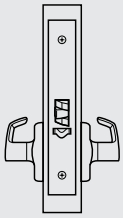
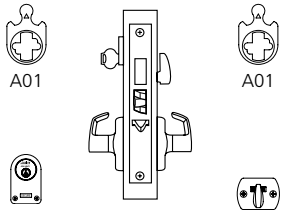
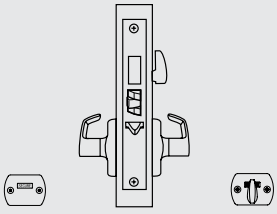
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Functions

ML20600 NAC Series

Fail Secure

Outside Inside	Series/Function	Type	Function Description
 A01	ML20606 x NAC x SEC Fail Secure With Key Override No Deadbolt (VR) (HSS)	Entry	• Fail Secure - Power off, trim outside is locked • Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when lock is energized • Key outside retracts latch • Request to exit and secure door position monitor are standard
	ML20607 x NAC x SEC Fail Secure No Key Override No Deadbolt (VR) (HSS)	Entry	• Fail Secure - Power off, trim outside is locked • Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when lock is energized • Request to exit and secure door position monitor are standard
 A01 A01	ML20608 x NAC x SEC Fail Secure With Key Override With Deadbolt (VR) (HSS)	Entry With Deadbolt	• Fail Secure - Power off, trim outside is locked • Deadlocking latch • Latch and deadbolt retracted by inside lever and deadbolt at all times • Outside lever rigid except when lock is energized • Key outside projects or retracts deadbolt and retracts latch • Turnpiece inside extends and retracts deadbolt • Request to exit and secure door position monitor are standard • Indicator shows deadbolt position only
	ML20609 x NAC x SEC Fail Secure No Key Override With Deadbolt (VR) (HSS)	Entry With Deadbolt	• Fail Secure - Power off, trim outside is locked • Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when lock is energized • Turnpiece inside extends and retracts deadbolt • Request to exit and secure door position monitor are standard • Indicator shows deadbolt position only

 Indicates Indicator option is available

 Indicates Indicator option is available

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

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Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



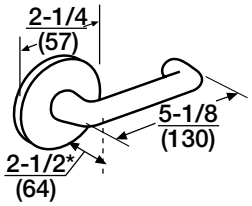
Lustra

Complies with codes requiring lever to return to within 1/2" (13mm) of door face. Brass, bronze or stainless steel.

LWA
Lever: Wrought
Rose: Wrought

LWB
Lever: Wrought
Rose: Cast



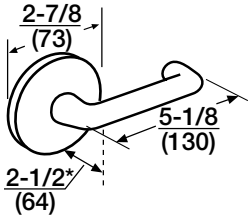


LSA
Lever: Cast
Rose: Wrought

LSB
Lever: Cast
Rose: Cast

LWF
Lever: Wrought
Rose: Cast





LSF
Lever: Cast
Rose: Cast

Dimensions:
inches
millimeters

*Dimension from face of door, not surface of rose or escutcheon.

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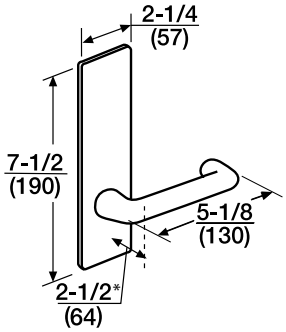
Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



LWM
Lever: Wrought
Escutcheon: Wrought
Optional: Plug only to show; master ring

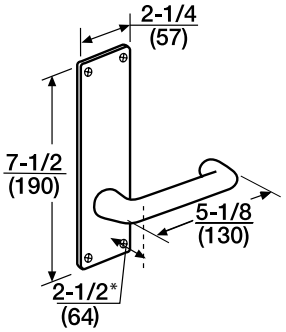
LSM
Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring





LWN
Lever: Wrought
Escutcheon: Wrought

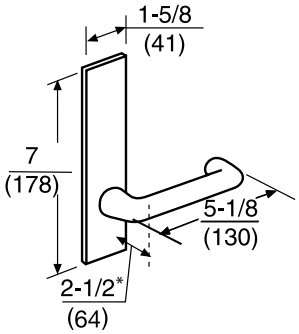
LSN
Lever: Cast
Escutcheon: Wrought





LWP
Lever: Wrought
Escutcheon: Wrought

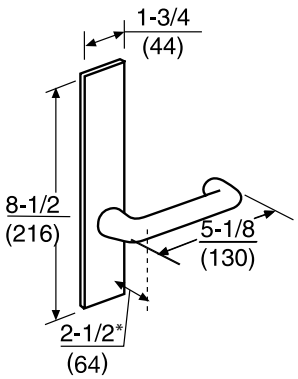
LSP
Lever: Cast
Escutcheon: Wrought
Note: P escutcheon is not compatible with ML20900 ECL or ML20600 NAC mortise locks





LWR
Lever: Wrought
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)

LSR
Lever: Cast
Escutcheon: Solid stainless steel, forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)
Note: R escutcheon is not available for functions ML2087 or ML20987



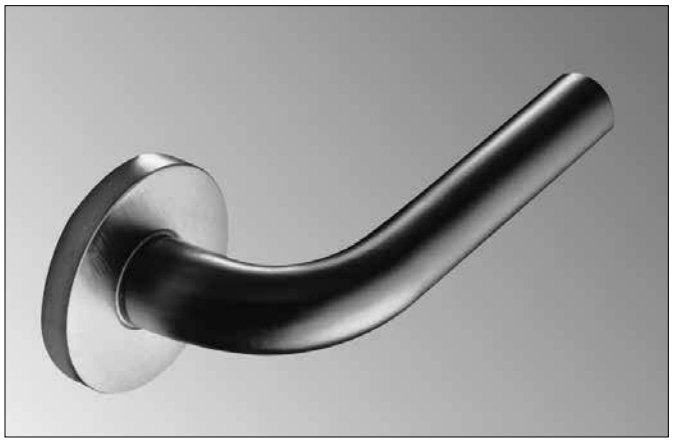
*Dimension from face of door, not surface of rose or escutcheon.

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Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



Regis

Brass, bronze or stainless steel

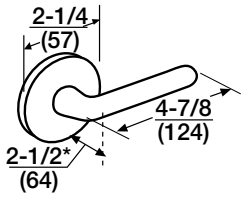


RWA

Lever: Wrought
Rose: Wrought

RWB

Lever: Wrought
Rose: Cast

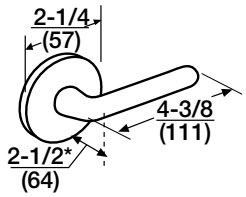


RSA

Lever: Cast
Rose: Wrought

RSB

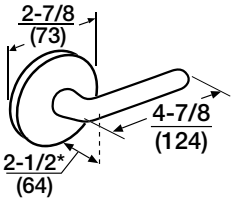
Lever: Cast
Rose: Cast





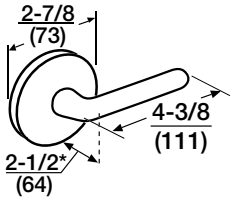
RWF

Lever: Wrought
Rose: Cast



RSF

Lever: Cast
Rose: Cast



*Dimension from face of door, not surface of rose or escutcheon.

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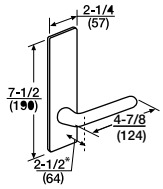
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Trim Designs

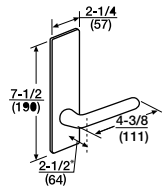
ML2000, ML20900 ECL and ML20600 NAC Series



RWM
Lever: Wrought
Escutcheon: Wrought
Optional: Plug only to show; master ring

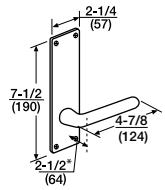


RSM
Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring

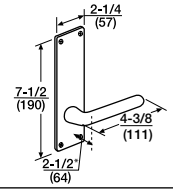




RWN
Lever: Wrought
Escutcheon: Wrought

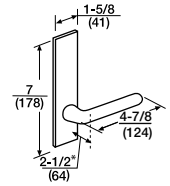


RSN
Lever: Cast
Escutcheon: Wrought

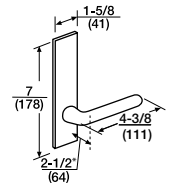




RWP
Lever: Wrought
Escutcheon: Wrought

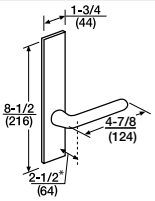


RSP
Lever: Cast
Escutcheon: Wrought
Note: P escutcheon is not compatible with ML20900 ECL or ML20600 NAC mortise locks

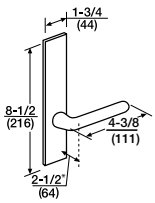




RWR
Lever: Wrought
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)



RSR
Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)
Note: R escutcheon is not available for functions ML2087 or ML20987



*Dimension from face of door, not surface of rose or escutcheon.

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Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



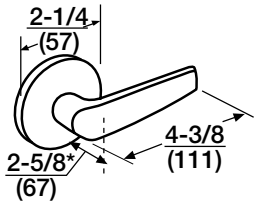
Citation

- Brass, bronze or stainless steel
- Laser engraving option
  (See Custom Laser Engraving brochure)



CSA

Lever: Cast
Rose: Wrought



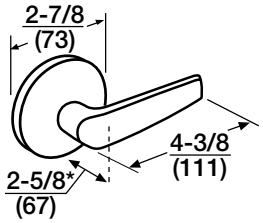
CSB

Lever: Cast
Rose: Cast



CSF

Lever: Cast
Rose: Cast



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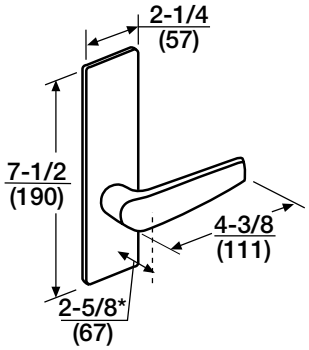
Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



CSM

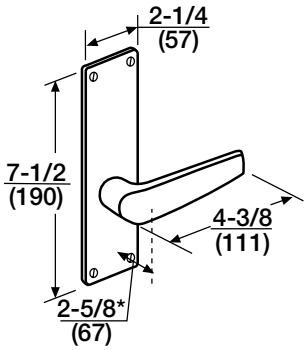
Lever: Cast
Escutcheon: Wrought
Optional:
- Plug only to show; master ring
- Laser engraving on lever or escutcheon





CSN

Lever: Cast
Escutcheon: Wrought
Optional: Laser engraving on lever

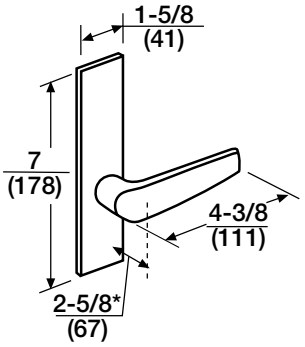




CSP

Lever: Cast
Escutcheon: Wrought
Optional: Laser engraving on lever

Note: P escutcheon is not compatible with ML20900 ECL or ML20600 NAC mortise locks



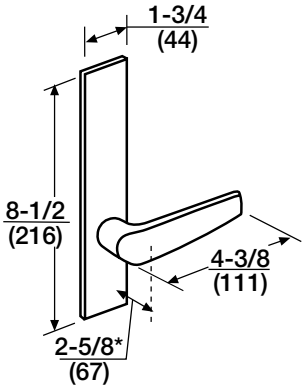


CSR

Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional:
- Plug only to show
- Laser engraving on lever

Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)

Note: R escutcheon is not available for functions ML2087 or ML20987



*Dimension from face of door, not surface of rose or escutcheon.

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Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series

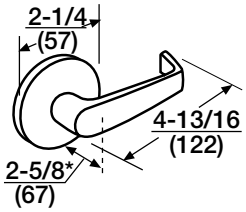


Newport

- Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
- Brass, bronze or stainless steel
- Laser engraving option
  (See Custom Laser Engraving brochure)



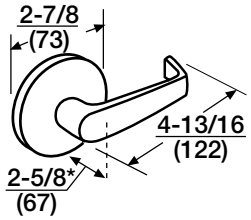
NSA
Lever: Cast
Rose: Wrought



NSB
Lever: Cast
Rose: Cast



NSF
Lever: Cast
Rose: Cast



*Dimension from face of door, not surface of rose or escutcheon.

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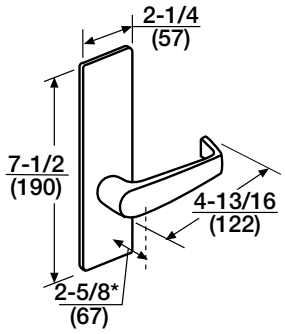
Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



NSM

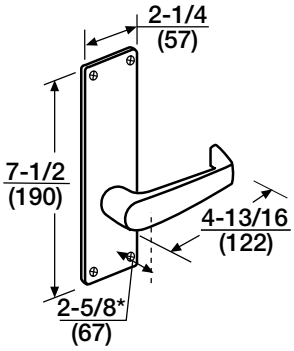
Lever: Cast
Escutcheon: Wrought
Optional:
- Plug only to show; master ring
- Laser engraving on lever or escutcheon





NSN

Lever: Cast
Escutcheon: Wrought
Optional: Laser engraving on lever

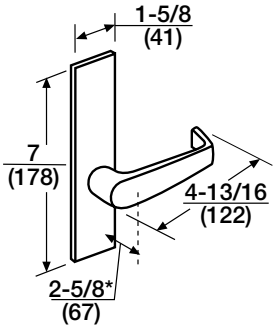




NSP

Lever: Cast
Escutcheon: Wrought
Optional: Laser engraving on lever

Note: P escutcheon is not compatible with ML20900 ECL or ML20600 NAC mortise locks

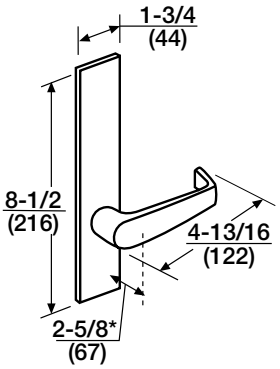




NSR

Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional:
- Plug only to show
- Laser engraving on lever

Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)
Note: R escutcheon is not available for functions ML2087 or ML20987



*Dimension from face of door, not surface of rose or escutcheon.

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Trim Designs

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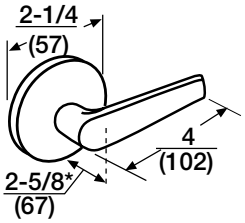
Armstrong

- Brass, bronze or stainless steel
- Laser engraving option
  (See Custom Laser Engraving brochure)



ASA

Lever: Cast
Rose: Wrought



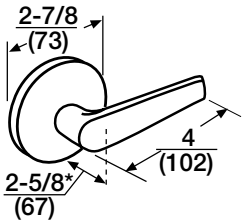
ASB

Lever: Cast
Rose: Cast



ASF

Lever: Cast
Rose: Cast



*Dimension from face of door, not surface of rose or escutcheon.

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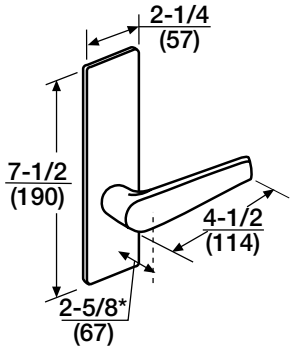
Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



ASM

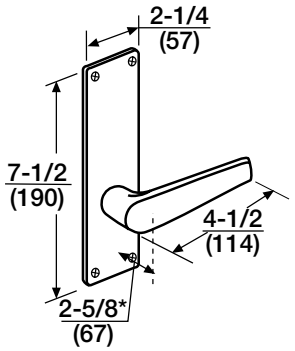
Lever: Cast
Escutcheon: Wrought
Optional:
- Plug only to show; master ring
- Laser engraving on lever or escutcheon





ASN

Lever: Cast
Escutcheon: Wrought
Optional: Laser engraving on lever

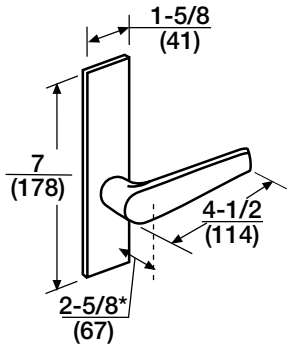




ASP

Lever: Cast
Escutcheon: Wrought
Optional: Laser engraving on lever

Note: P escutcheon is not compatible with ML20900 ECL or ML20600 NAC mortise locks



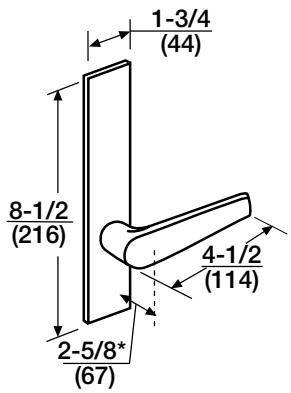


ASR

Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional:
- Plug only to show
- Laser engraving on lever

Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)

Note: R escutcheon is not available for functions ML2087 or ML20987



*Dimension from face of door, not surface of rose or escutcheon.

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Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



Dirke

Brass, bronze or stainless steel

- Not reversible
- Handed levers

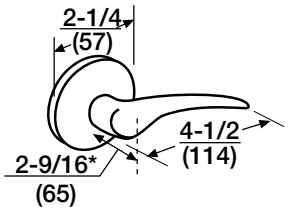
DSA

Lever: Cast
Rose: Wrought
Specify hand



DSB

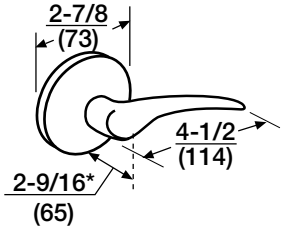
Lever: Cast
Rose: Cast
Specify hand



DSF

Lever: Cast
Rose: Cast
Specify hand





*Dimension from face of door, not surface of rose or escutcheon.

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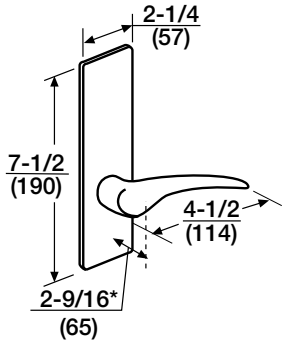
Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



DSM

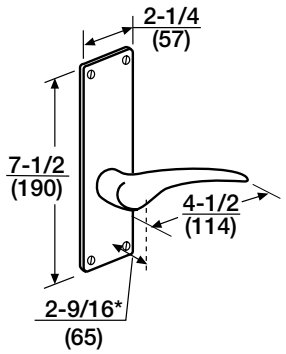
Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring
Specify hand





DSN

Lever: Cast
Escutcheon: Wrought
Specify hand

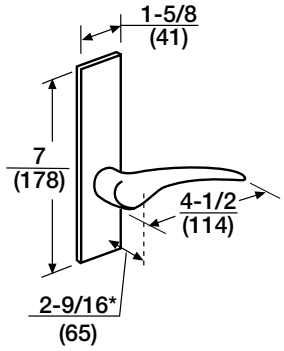




DSP

Lever: Cast
Escutcheon: Wrought
Specify hand

Note: P escutcheon is not compatible with ML20900 ECL or ML20600 NAC mortise locks

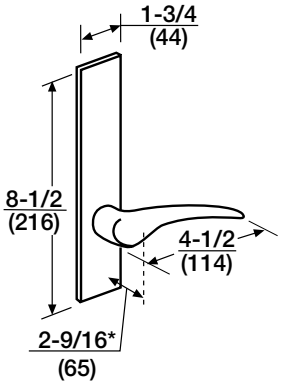




DSR

Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)
Specify hand

Note: R escutcheon is not available for functions ML2087 or ML20987



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Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



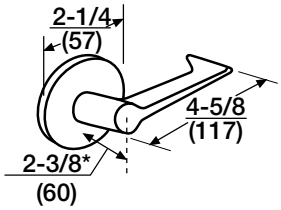
Essex

Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
Brass, bronze or stainless steel



ESA

Lever: Cast
Rose: Wrought



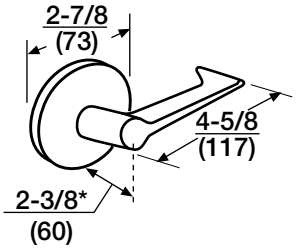
ESB

Lever: Cast
Rose: Cast



ESF

Lever: Cast
Rose: Cast



*Dimension from face of door, not surface of rose or escutcheon.

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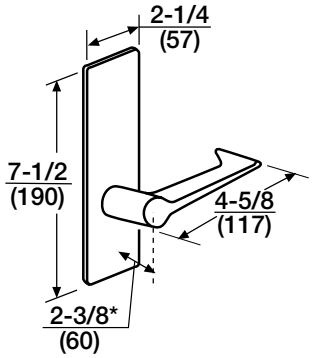
Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



ESM

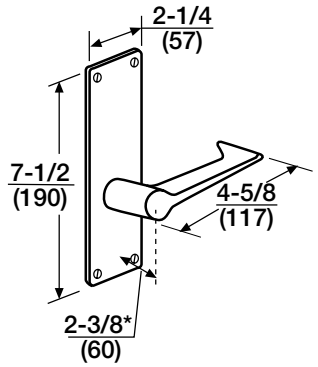
Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring





ESN

Lever: Cast
Escutcheon: Wrought

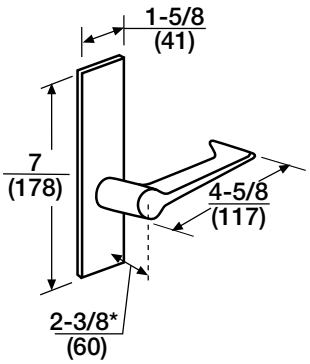




ESP

Lever: Cast
Escutcheon: Wrought

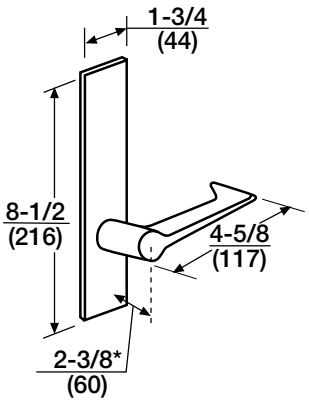
Note: P escutcheon is not compatible with ML20900 ECL or ML20600 NAC mortise locks





ESR

Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)
Note: R escutcheon is not available for functions ML2087 or ML20987



*Dimension from face of door, not surface of rose or escutcheon.

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Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series

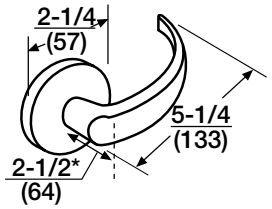


Princeton

- Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
- Brass, bronze or stainless steel
- Laser engraving option
  (See Custom Laser Engraving brochure)



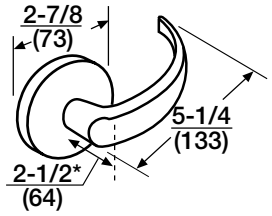
PSA
Lever: Cast
Rose: Wrought



PSB
Lever: Cast
Rose: Cast



PSF
Lever: Cast
Rose: Cast



*Dimension from face of door, not surface of rose or escutcheon.

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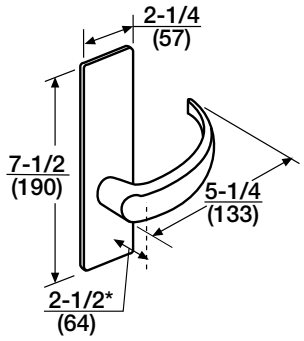
Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



PSM

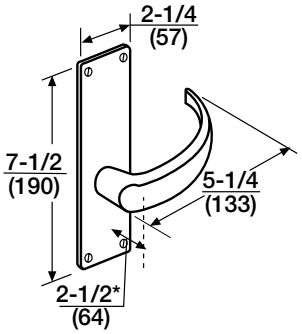
Lever: Cast
Escutcheon: Wrought
Optional:
- Plug only to show; master ring
- Laser engraving on lever or escutcheon





PSN

Lever: Cast
Escutcheon: Wrought
Optional: Laser engraving on lever

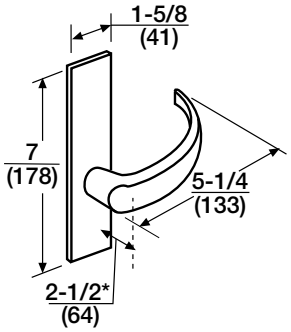




PSP

Lever: Cast
Escutcheon: Wrought
Optional: Laser engraving on lever

Note: P escutcheon is not compatible with ML20900 ECL or ML20600 NAC mortise locks



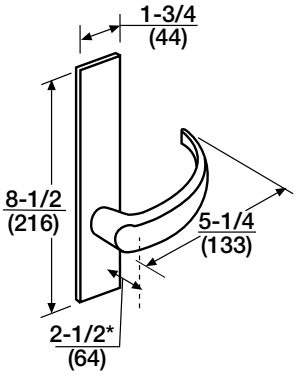


PSR

Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional:
- Plug only to show
- Laser engraving on lever

Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)

Note: R escutcheon is not available for functions ML2087 or ML20987



*Dimension from face of door, not surface of rose or escutcheon.

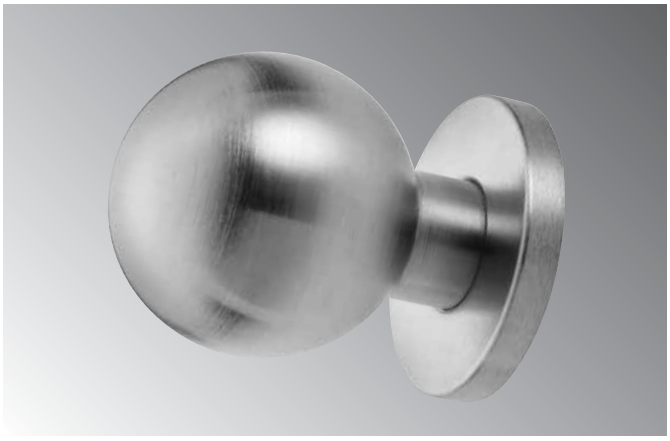
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Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



Global

Zinc

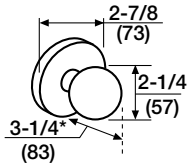


GZF

Knob: Solid Cast
Rose: Cast

GZH

Knob: Solid Cast
Rose: Wrought



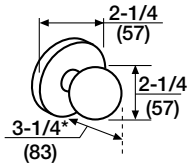


GZA

Knob: Solid Cast
Rose: Wrought

GZB

Knob: Solid Cast
Rose: Cast



*Dimension from face of door, not surface of rose or escutcheon.

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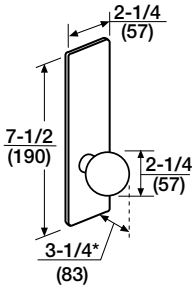
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Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series

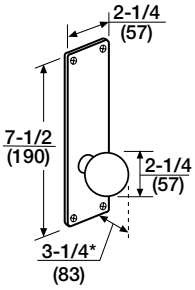


GZM[1]
Knob: Solid Cast
Escutcheon: Wrought





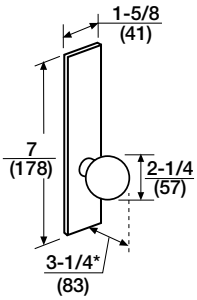
GZN
Knob: Solid Cast
Escutcheon: Wrought





GZP
Knob: Solid Cast
Escutcheon: Wrought

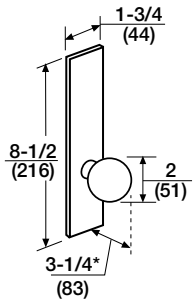
Note: P escutcheon is not compatible with ML20900 ECL or ML20600 NAC mortise locks





GZR[1, 2]
Knob: Solid Cast
Escutcheon: Solid stainless steel; forged brass

Note: R escutcheon is not available for functions ML2087 or ML20987



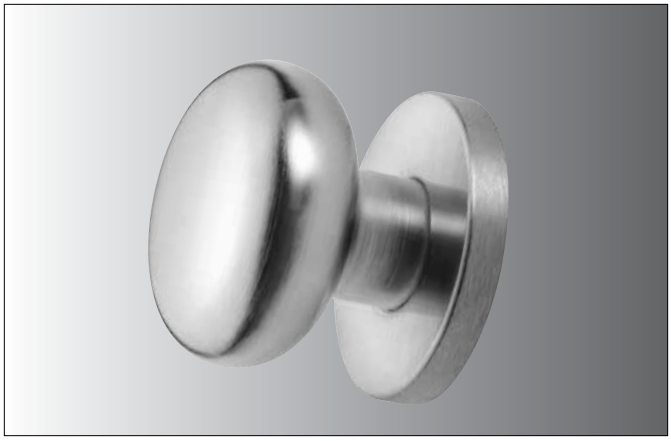
1. Optional: Plug only to show; master ring
2. Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)
*Dimension from face of door, not surface of rose or escutcheon.

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Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



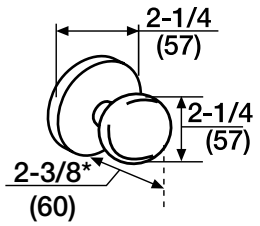
Yankee

Zinc



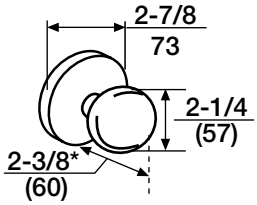
YZA
Knob: Solid Cast
Rose: Wrought

YZB
Knob: Solid Cast
Rose: Cast



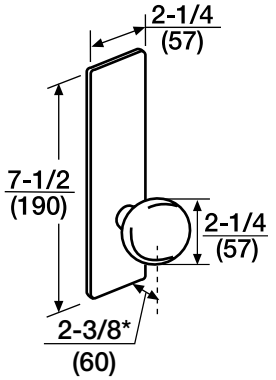
YZF
Knob: Solid Cast
Rose: Cast

YZH
Knob: Solid Cast
Rose: Wrought





YZM
Knob: Solid Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring



*Dimension from face of door, not surface of rose or escutcheon.

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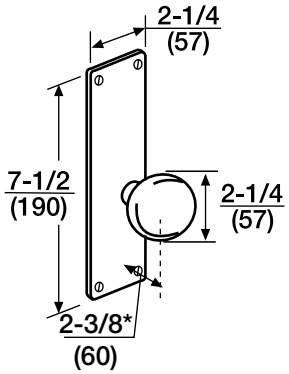
Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



YZN

Knob: Solid Cast
Rose: Wrought

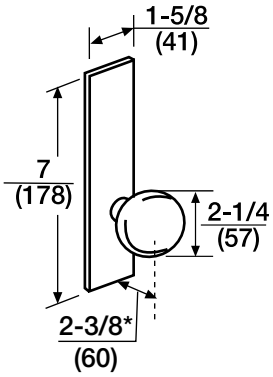




YZP

Knob: Solid Cast
Escutcheon: Wrought

Note: P escutcheon is not compatible with ML20900 ECL or ML20600 NAC mortise locks

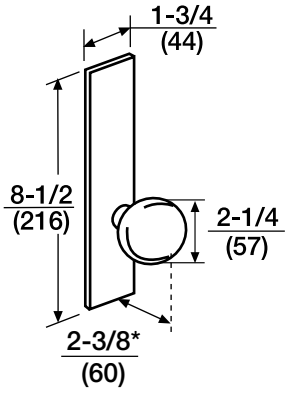




YZR

Knob: Solid Cast
Escutcheon: Solid stainless steel or forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)

Note: R escutcheon is not available for functions ML2087 or ML20987



*Dimension from face of door, not surface of rose or escutcheon.

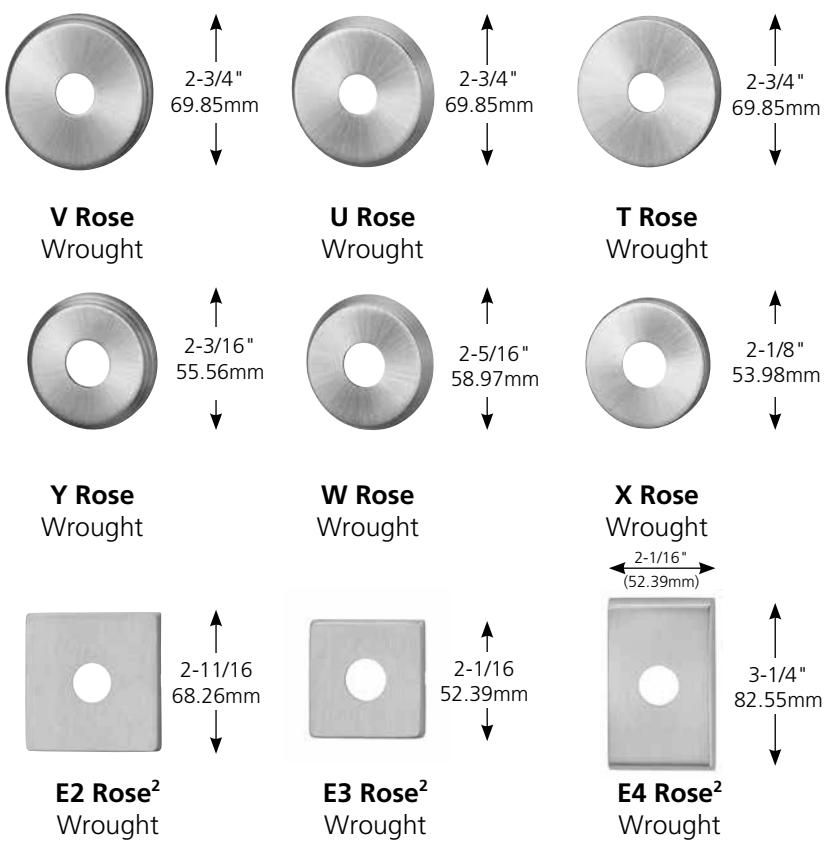
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Muséo® Trim

ML2000, ML20900 ECL and ML20600 NAC Series

Muséo Collection Roses[1] and Escutcheons



V Rose
Wrought

U Rose
Wrought

T Rose
Wrought

Y Rose
Wrought

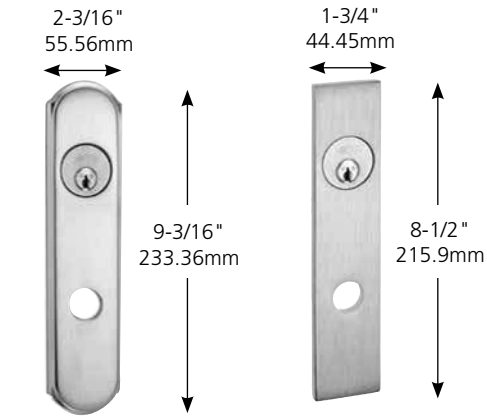
W Rose
Wrought

X Rose
Wrought

E2 Rose[2]
Wrought

E3 Rose[2]
Wrought

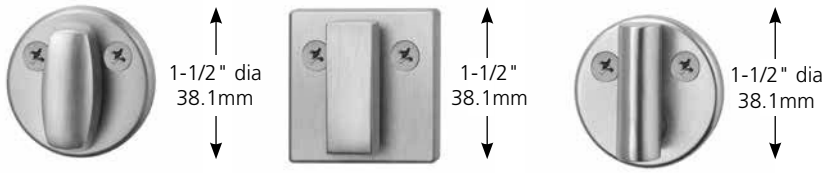
E4 Rose[2]
Wrought



L Escutcheon
Cast Brass

R Escutcheon
Solid Stainless Steel
or Forged Brass

Thumbturns[3]

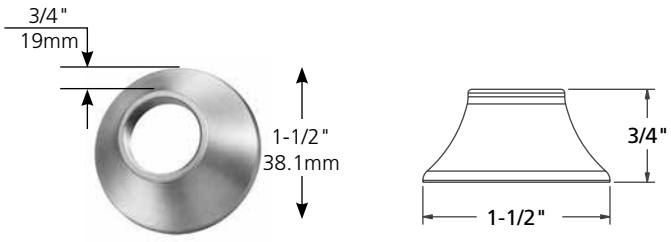


MT1

MT2

MT3

Inspire™ Roseless Trim



Brass or Stainless Steel

Notes:

1. Roses and Inspire trim are only available with *Muséo* levers.
2. Square cylinder collar and thumbturn backplate automatically supplied with E2, E3 and E4 roses.
3. Thumbturn back plate will match shape of rose chosen (i.e. round or square).
4 MT1, MT2 and MT3 are not available with M19VN occpuany indicator.
5. L & R escutcheons not available with functions ML2087 or ML20987

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Inspire™ Roseless Trim

ML2000, ML20900 ECL and ML20600 NAC Series

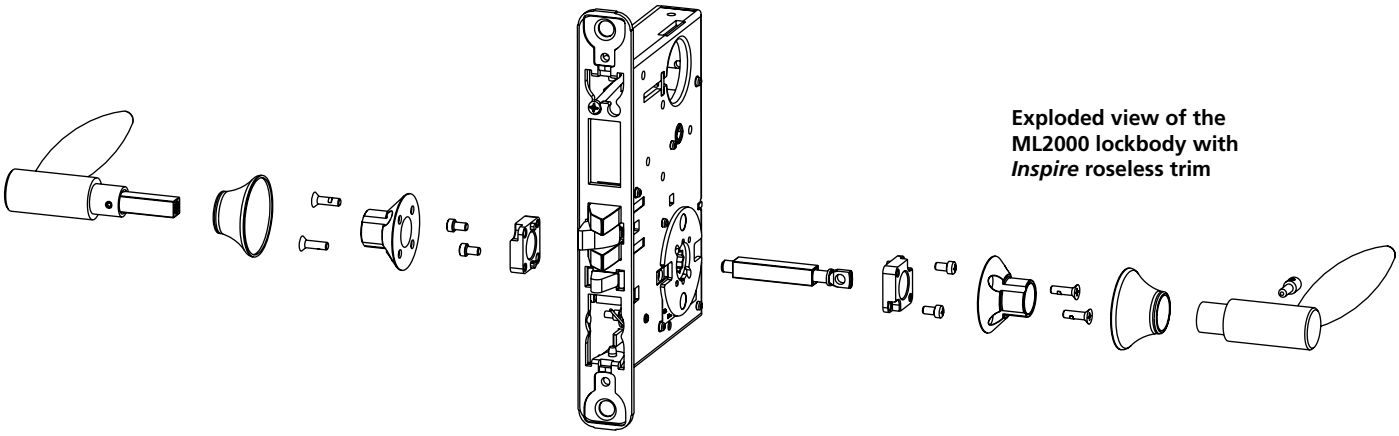


Inspire™ Roseless Trim

Inspire roseless trim blends the lever and the door creating an artful apprach to every opening. Offered with most Muséo® decorative levers, this exquisite trim will inspire the creation of beautiful openings.

Features:

- Certified to and exceeds ANSI/BHMA A156.13, Series 1000, Operational Grade 1 and Security Grade 1
- Attachment method similar to standard trim
- Available with all mortise lock functions
- Compatible with most Muséo Line levers (except 104, 111, 113, 121, Josef, Georges and Piet levers)
- Selected levers return within 1/2" of the door face
- All standard cylinder options are available
- Available for 1-3/4", 2" and 2-1/4" thick doors only (contact factory for other door thicknesses)



Exploded view of the ML2000 lockbody with *Inspire* roseless trim

How to Order
Inspire Roseless Trim

Quantity	Series/Function	Trim*	Finish	Hand
50	ML2055	102J	626	RHR

***Specify J for the rose when ordering *Inspire* roseless trim.**

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ASSA ABLOY

Muséo® Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



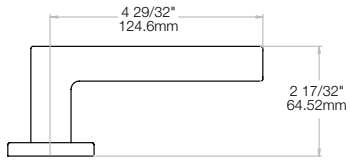
Georgia

Timeless elegance in forms inspired by the natural world.

Laser Engraving offered on 102, 103, 124 and 125. See Custom Laser Engraving brochure for details.

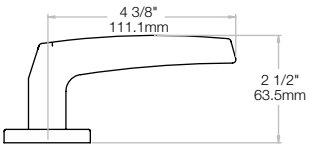


102
Lever: Cast
Non-Handed lever



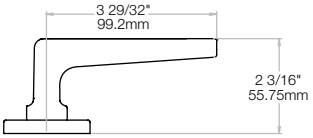


103
Lever: Cast
Non-Handed lever



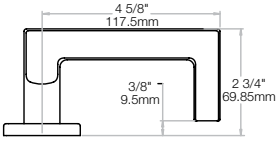


104[2,4]
Lever: Cast
Non-Handed lever



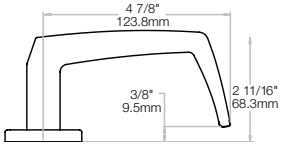


124[1]
Lever: Cast
Non-Handed lever





125[1]
Lever: Cast
Non-Handed lever



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available with Inspire™ roseless trim.
3. Contact factory for current lead times.
4. Not available in 32 or 32D finish

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CL3100.42

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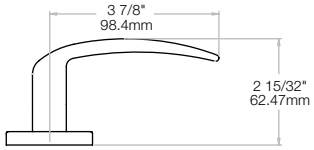


Pablo

Diminutive, yet distinctive and striking in style.

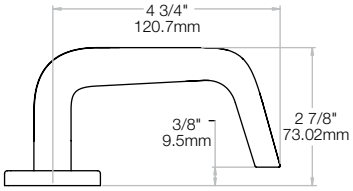


117[2]
Lever: Cast
Non-Handed lever





126[1,2]
Lever: Cast
Handed - Specify hand
Non-Reversible



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available in 32 or 32D finish

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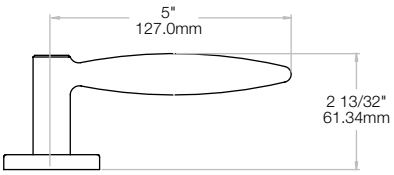


Jackson

Intuitive shapes, moving with the energetic rhythm of modern life.

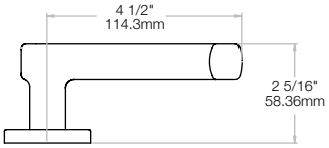


105[3,4]
Lever: Cast
Non-handed lever



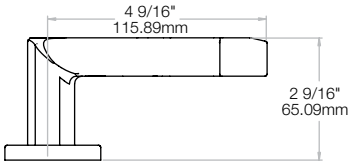


119[4]
Lever: Cast
Handed - Specify hand
Non-Reversible



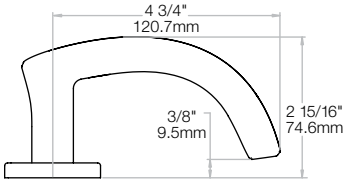


121[2,4]
Lever: Cast
Handed - Specify hand
Non-Reversible





127[1,4]
Lever: Cast
Handed - Specify hand
Non-Reversible



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available with Inspire™ roseless trim.
3. Contact factory for current lead times.
4. Not available in 32 or 32D finish

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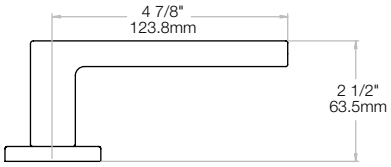


Salvador

Dreamlike beauty manifested in solid, familiar forms.

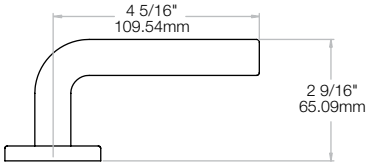


106
Lever: Cast
Non-handed lever



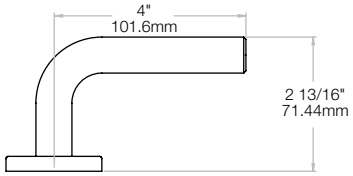


107
Lever: Cast
Non-handed lever



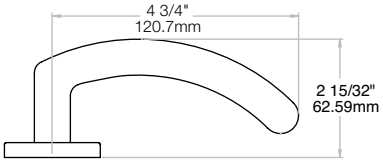


108
Lever: Cast
Non-handed lever





109
Lever: Cast
Non-Handed lever



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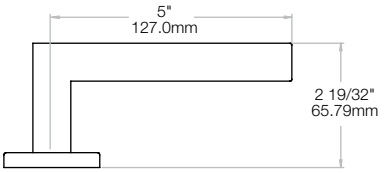


Salvador

Dreamlike beauty manifested in solid, familiar forms.

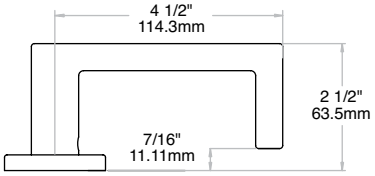


110
Lever: Cast
Non-handed lever



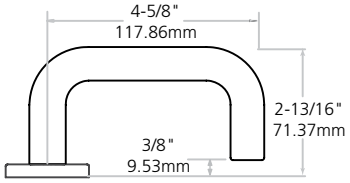


123[1]
Lever: Cast
Non-handed lever





128[1]
Lever: Cast
Non-handed lever



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

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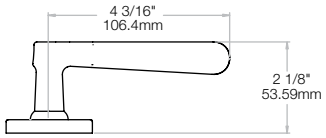


Marc

Fluid lyricism expressed through whimsical lines and dynamic contours.

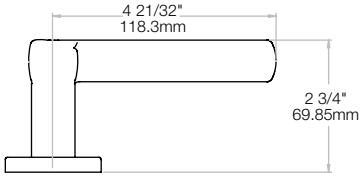


111[1,2]
Lever: Cast
Handed - Specify hand
Non-Reversible



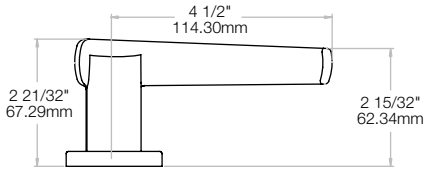


112[2]
Lever: Cast
Handed - Specify hand
Non-Reversible





114[2]
Lever: Cast
Handed - Specify hand
Non-Reversible



1. Not available with Inspire™ roseless trim.
2. Not available in 32 or 32D finish

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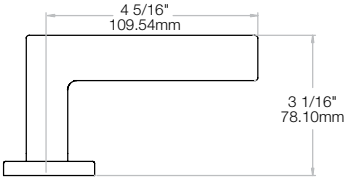


Marc

Fluid lyricism expressed through whimsical lines and dynamic contours.

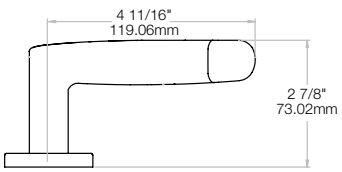


115[2]
Lever: Cast
Handed - Specify hand
Non-Reversible



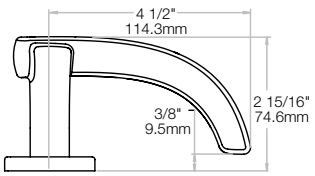


116[2]
Lever: Cast
Handed - Specify hand
Non-Reversible



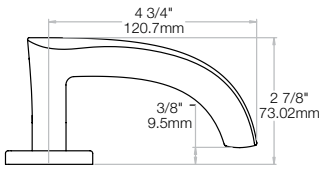


130[1,2]
Lever: Cast
Handed - Specify hand
Non-Reversible



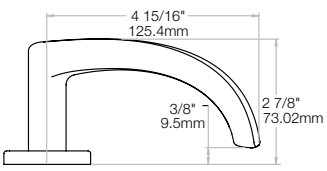


131[1,2]
Lever: Cast
Handed - Specify hand
Non-Reversible





132[1,2]
Lever: Cast
Handed - Specify hand
Non-Reversible



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available in 32 or 32D finish

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Piet*

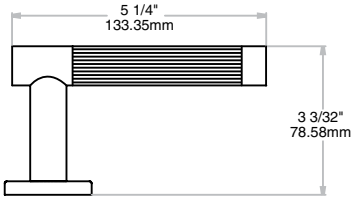
Striking levers with sleek, clean lines.

*** Refer to page 76 for how to order the Muséo® Piet Lever Collection. Not available with Inspire™ roseless trim.**



21G

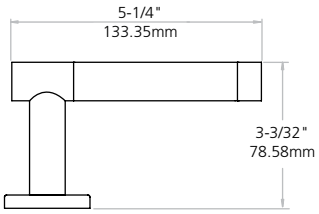
Grooved Insert
Lever: Cast
Non-Handed Lever





21L

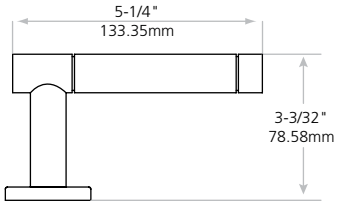
Leather Insert
Lever: Cast
Non-Handed Lever





21M

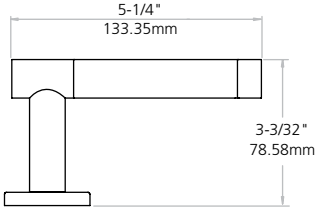
Polished with Satin Insert
Lever: Cast
Non-Handed Lever





21S

Santoprene™ Insert
Lever: Cast
Non-Handed Lever

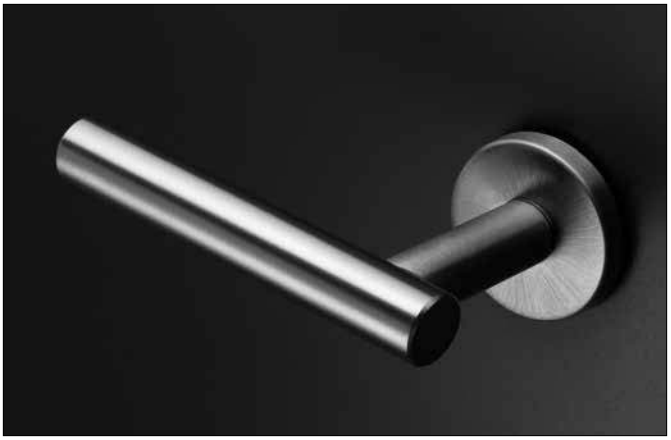


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Muséo® Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



Piet*

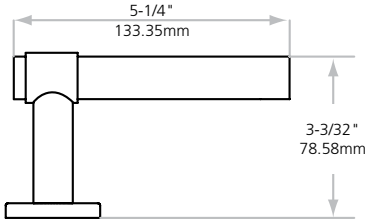
Striking levers with sleek, clean lines.

*** Refer to page 76 for how to order the Muséo® Piet Lever Collection. Not available with Inspire™ roseless trim.**



23M

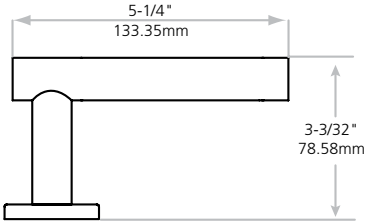
With Raised Band
Lever: Cast
Non-Handed Lever





25M

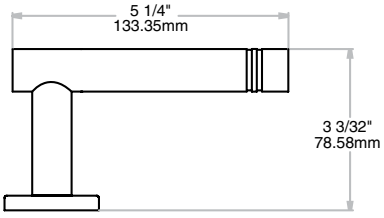
Plain
Lever: Cast
Non-Handed Lever





27M

Plain with Two Grooves
Lever: Cast
Non-Handed Lever



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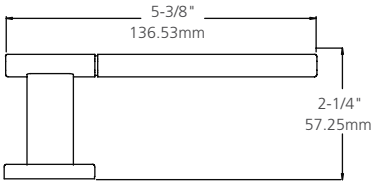


Josef[2/3]

Tribute to the square with beautifully simple, but dramatic forms.

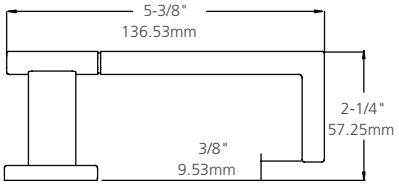


133
Lever: Cast
Non-Handed lever





134[1]
Lever: Cast
Non-Handed lever



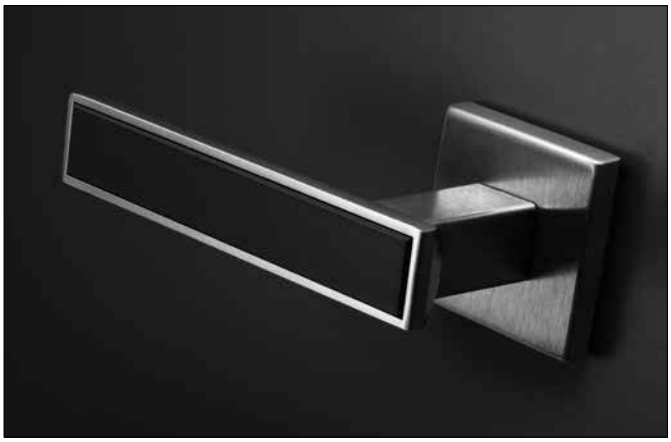
1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available with Inspire™ roseless trim.
3. 135-138 contain white or black polycarbonate insert

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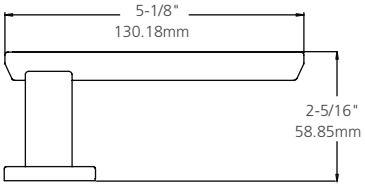


Josef[2/3]

Tribute to the square with beautifully simple, but dramatic forms.

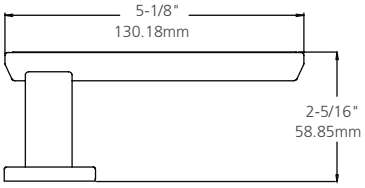


135
Lever: Cast
Non-Handed lever



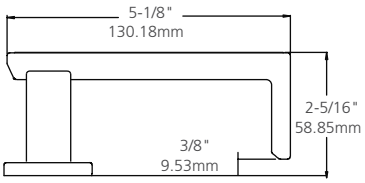


136
Lever: Cast
Non-Handed lever



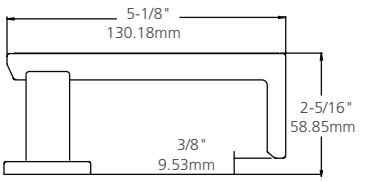


137[1]
Lever: Cast
Non-Handed lever





138[1]
Lever: Cast
Non-Handed lever



1. **Complies with codes requiring lever to return to within 1/2" (13mm) of door face.**
2. **Not available with Inspire™ roseless trim.**
3. **135-138 contain white or black polycarbonate insert**

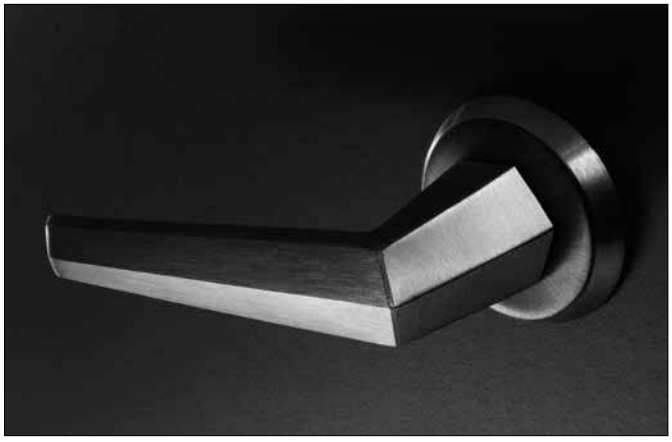
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Corbin Russwin
ASSA ABLOY

Muséo® Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series

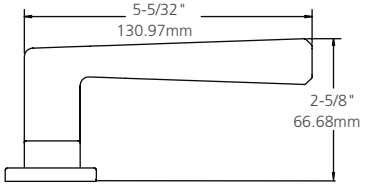


Georges[2]

Structural pieces that evoke an emotional response with sophisticated design.

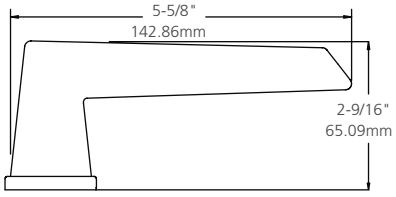


139
Lever: Cast
Non-Handed lever



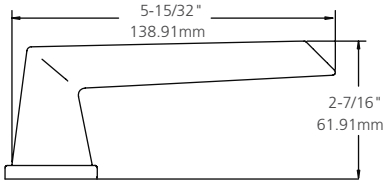


140
Lever: Cast
Handed lever





141
Lever: Cast
Non-Handed lever



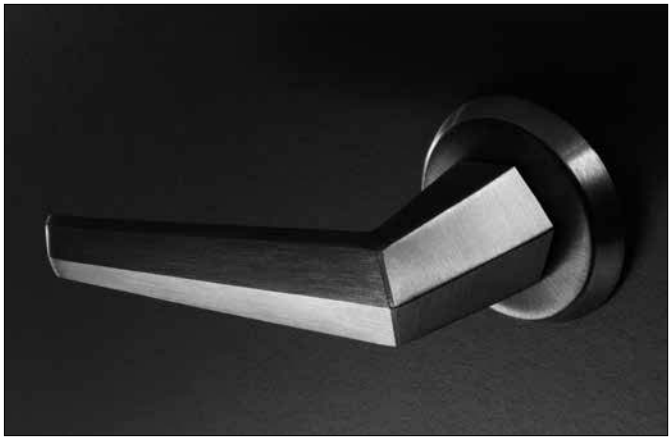
2. Not available with Inspire™ roseless trim.

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Corbin Russwin
ASSA ABLOY

Muséo® Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series

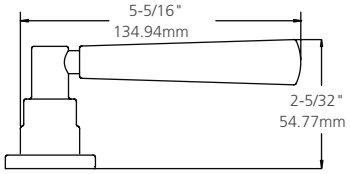


Georges[2]

Structural pieces that evoke an emotional response with sophisticated design.

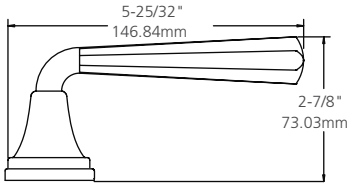


142
Lever: Cast
Non-Handed lever





143
Lever: Cast
Non-Handed lever



2. Not available with Inspire™ roseless trim.

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Vineyard™ Collection Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



Vineyard™ collection

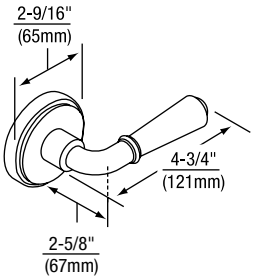
Merlot

Like its namesake, the Merlot blends with — and enhances — any decor.



MSG

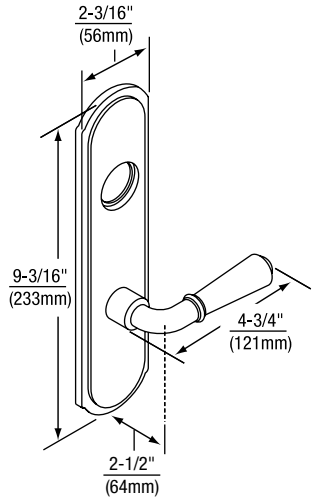
Lever: Cast
Rose: Cast





MSL

Lever: Cast
Escutcheon: Cast
Note: L escutcheon is not available for functions ML2087 or ML20987



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Vineyard™ Collection Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



Vineyard™ collection

Zinfandel

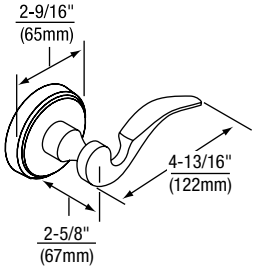
Vigorous and complex in design, the Zinfandel adds finesse to any opening.

- Handed Levers



ZSG

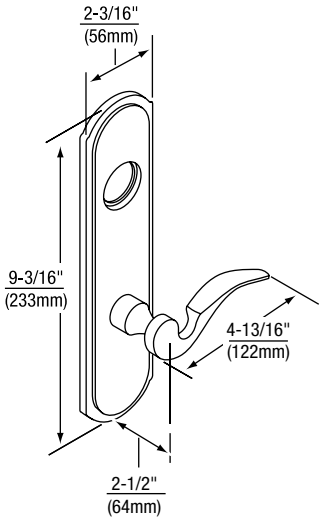
Lever: Cast
Rose: Cast
Specify hand.





ZSL

Lever: Cast
Escutcheon: Cast
Specify hand.
Note: L escutcheon is not available for functions ML2087 or ML20987



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Vineyard™ Collection Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



Vineyard™ collection

Frascati

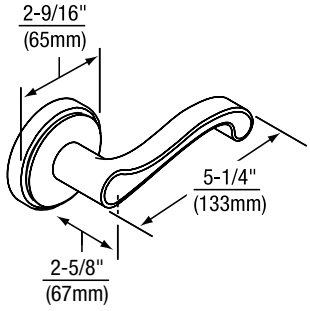
Fresh yet classic, the Frascati exudes the casual, timeless elegance of the Roman hills.

- Non-Reversible
- Handed Levers



FSG

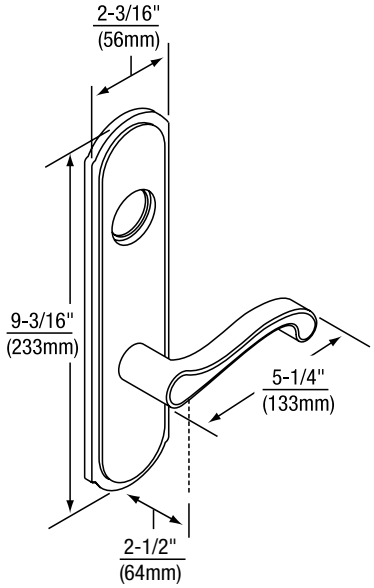
Lever: Cast
Rose: Cast





FSL

Lever: Cast
Escutcheon: Cast
Note: L escutcheon is not available for functions ML2087 or ML20987



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Corbin Russwin
ASSA ABLOY

Vandal Resistant Trim

ML2000 Series

ML2000VR Series Vandal-Resistant Mortise Trim

Applications

Designed for high-traffic commercial, industrial, institutional and government buildings that require a greater degree of security and vandal resistance not found on other mortise trims. Applications may include:

- Schools and universities
- Computer rooms
- Hospital pharmacies
- Banks
- Storage facilities
- Government installations
- Prisons and detention facilities
- Evidence rooms
- Weapons storage

Advantages

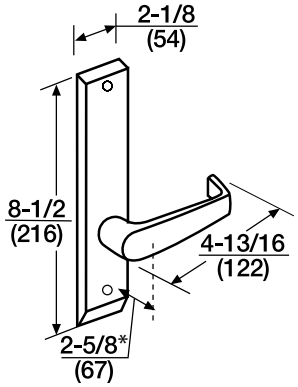
- Flush-mounted conventional fixed core cylinder
- Cast escutcheons and levers; double through-bolted
- Torx® pin tamper resistant security screws
- Armored front to protect against tampering
- Free-floating spindle self-adjusts for door thicknesses from 1-3/4" to 2-1/4"
- Levers remain attached if spindle is broken



Newport

NSV

Lever: Cast stainless steel
Escutcheon: Cast stainless steel
Door thickness: 1-3/4" (44mm) standard, 2" (51mm) specify D200, 2-1/4" (57mm) specify D214

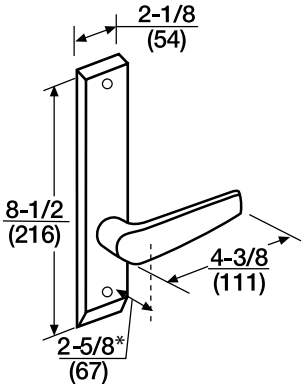




Citation

CSV

Lever: Cast stainless steel
Escutcheon: Cast stainless steel
Door thickness: 1-3/4" (44mm) standard, 2" (51mm) specify D200, 2-1/4" (57mm) specify D214



Notes:
- This trim only available for ML2000VR and ML20900VR locksets.
- Only available in 630 (US32D) finish.
- Not available with all functions. See pages 5-9 and 15-16 for complete offering.

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Corbin Russwin
ASSA ABLOY

Behavioral Health Trim

ML2000 Series



BHSS*

Part of the Behavioral Health Series™ of products, the ML2000 Series mortise lock with BHSS trim provides an innovative solution for behavioral health environments. The unique integrated lever and escutcheon combines aesthetics with safety. Ease of operation, along with the strength and versatility of the ML2000 Series mortise lock allows its use in many applications.

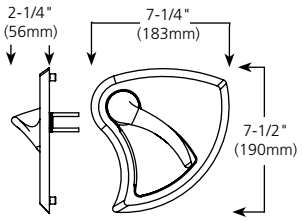
Refer to the Specialty Hardware Catalog (45205) for more information.





BHSS

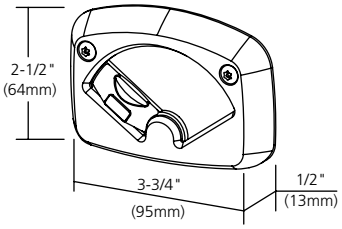
Stainless Steel
Finishes: 630, 630C



Thumbturn

Stainless Steel
Door thickness: 1-3/4" (44mm)
through 2-1/4" (57mm)

(Not available with Occupancy Indicator)



How to Order

BHSS

Quantity	Series/Function	Trim	Finish	Hand
100	ML2010	BHSS	630	RHR

**Although these products are better designed for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.*

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Behavioral Health Lever Trim

ML2000 Series



BLSS*

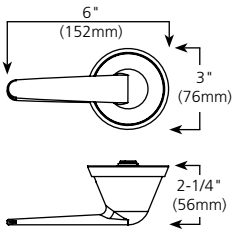
The BLSS trim is part of the Behavioral Health Series™ of products. With an array of functions, this trim can be used on virtually any opening in healthcare applications. Sloping surfaces and overlapping rose and lever address safety concerns common in behavioral health. Optimal for tough environments, the ML2000 Series mortise lock provides impressive strength and reliability.

Refer to the Specialty Hardware Catalog (45205) for more information.



BLSS

Stainless Steel
Finishes: 630, 630C

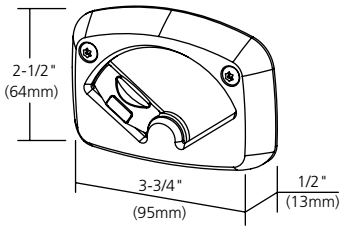




Thumbturn

Stainless Steel
Door thickness: 1-3/4" (44mm) through 2-1/4" (57mm)

(Not available with Occupancy Indicator)



How to Order

BLSS

Quantity	Series/Function	Trim	Finish	Hand
100	ML2010	BLSS	630	RHR

**Although these products are a better design for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.*

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Push/Pull Trim

ML2000 Series



HPSK

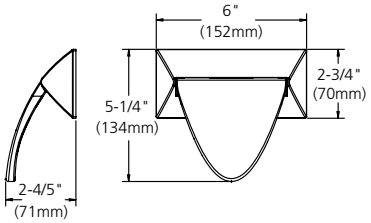
The ML2000 Series mortise lock with push/pull paddle trim provides an aesthetically pleasing alternative to products with standard push/pull trim. Its heavy-duty design and ANSI/BHMA Grade1 strength help it to withstand abuse from rigorous environments. Multiple mounting orientations, hands free operation and a sleek, aesthetic form, make the ML2000 Series mortise lock ideal for use in healthcare facilities and educational facilities.

Refer to the Specialty Hardware Catalog (45205) for more information.



HPSK

Covers: Cast stainless steel
Paddles: Cast stainless steel
Specify hand.
Finishes: 630, 630C

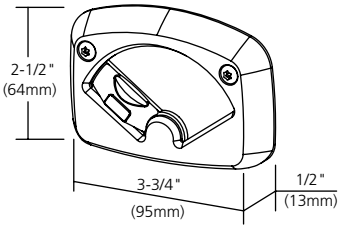




Thumbturn

Stainless steel
Door thickness: 1-3/4" (44mm)

(Not available with Occupancy Indicator)





Laser Engraving

Stainless steel
Offered on all 3 paddle orientations
2-1/2" w x 2-1/2" h max laser engraving area
(See Custom Laser Engraving brochure for more details)

How to Order

HPSK Push/Pull*

Quantity	Series/Function	Trim	Finish	Hand
100	ML2010	HPSK	630	RHR

**Available on 1-3/4" door thickness only*

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Anti-Harm Trim

ML2000 Series



Anti-Harm Knob HSS*

The anti-harm knob is designed for safety and security by eliminating catch points with a tapered knob recessed into the rose, a tapered thumbturn (for mortise lock thumbturn functions) with Torx® pin security screws, tapered cylinder collars and concealed mounting screws. Available as sectional trim, the anti-harm knob features recessed finger holes for a better grip and the reliability of the ML2000 Series ANSI/BHMA grade 1 mortise lock. Ideal for psychiatric or detention facilities.

Refer to the Specialty Hardware Catalog (45205) for more information.

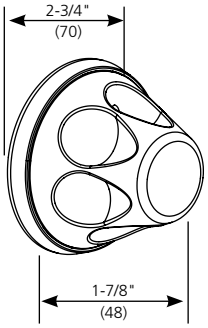


Anti-Harm Knob HSS

Brass

Knob: Brass
Door thickness: 1-3/4" (44mm) through 4" (102mm) in 1/4" increments.
Finishes: 630, 630C

Notes: On lever trim x HSS Knob, the outside lever will be retained with a set screw.
HSS Knob is only available with the rose shown. No optional roses or escutcheons.
Knob and rose are nickel plated to match stainless steel.

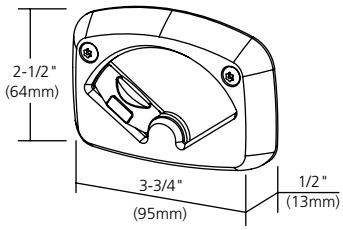




Thumbturn

Standard for all ML2000 x HSS thumbturn functions

(Not available with Occupancy Indicator)



How to Order

Anti-Harm Knob (HSS) Trim – HSS Knob x HSS Knob

Quantity	Series/Function	Trim	Finish	Hand
6	ML2032	HSS	630^	RH

Anti-Harm Knob (HSS) Trim – Lever Trim x HSS Knob

Quantity	Series/Function	Trim		Finish	Hand
		Outside	Inside		
6	ML2055	NSA	HSS	630C^	RH

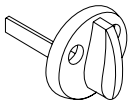
**Although these products are a better design for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.*
^619 finish provided to match 630 finish

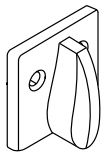
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Options & Accessories

ML2000 Series





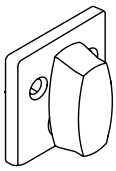
Standard Thumbturn

Cast brass or bronze. Standard on functions utilizing thumbturn. Sectional Trim.
Turn Size: 1-1/4" (32mm)
Spindle Size: 3/16" (5mm)
Plate Size: 1-3/8" (35mm)
Surface screw mounted To order separately, see table.

- Available with Standard, Muséo and Vineyard levers
- Rose design will designate shape of thumbturn backplate
  - E2, E3 and E4 roses - square backplate

Door	Packet	
	Round	Square
1-3/8" (35mm)	519F09 x FIN	814F10 x FIN
1-3/4" (44mm)	519F10 x FIN	814F11 x FIN
2-1/4" (57mm)	519F11 x FIN	814F12 x FIN
Up to 4" (102mm)	581F96 x FIN	814F13 x FIN



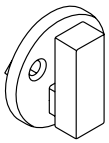


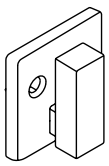
Decorative Thumbturn MT1*

Cast bronze or stainless steel. Used on functions utilizing a thumbturn. Sectional trim only.
To order with lock and trim, specify Quick Code MT1.
To order separately, see table.
Turn Size: 1-3/10" (33mm)
Plate Size: 1-1/2" (38.1mm)

- Available with Standard, Muséo and Vineyard levers
- Rose design will designate shape of thumbturn backplate
  - Round roses - round backplate
  - E2, E3 and E4 roses - square backplate

Door	Packet	
	Round	Square
1-3/8" (35mm)	723F70M x FIN	723F71M x FIN
1-3/4" (44mm)	723F76M x FIN	723F77M x FIN
2-1/4" (57mm)	723F88M x FIN	723F89M x FIN
Up to 4" (102mm)	723F82M x FIN	723F83M x FIN





Decorative Square Thumbturn MT2*

Cast bronze or stainless steel. Used on functions utilizing a thumbturn. Sectional trim only.
To order with lock and trim, specify Quick Code MT2.
To order separately, see table.
Turn Size: 1-3/10" (33mm)
Plate Size: 1-1/2" (38.1mm)

- Available with Standard, Muséo and Vineyard levers
- Rose design will designate shape of thumbturn backplate
  - Round roses - round backplate
  - E2, E3 and E4 roses - square backplate

Door	Packet	
	Round	Square
1-3/8" (35mm)	723F72M x FIN	723F73M x FIN
1-3/4" (44mm)	723F78M x FIN	723F79M x FIN
2-1/4" (57mm)	723F90M x FIN	723F91M x FIN
Up to 4" (102mm)	723F84M x FIN	723F85M x FIN

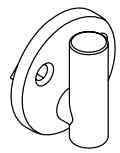
*Not available with M19VN occpuany indicator.

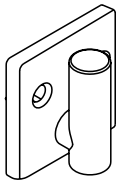
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Options & Accessories

ML2000 Series



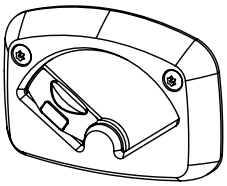


Decorative Cylinder Thumbturn MT3*

Cast bronze or stainless steel. Used on functions utilizing a thumbturn. Sectional trim only.
To order with lock and trim, specify Quick Code MT3.
To order separately, see table.
Turn Size: 1-3/10" (33mm)
Plate Size: 1-1/2" (38.1mm)

- Available with Standard, Muséo and Vineyard levers
- Rose design will designate shape of thumbturn backplate
  - Round roses - round backplate
  - E2, E3 and E4 roses - square backplate

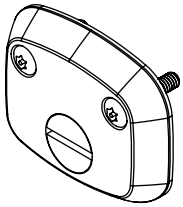
Door	Packet	
	Round	Square
1-3/8" (35mm)	723F74M x FIN	723F75M x FIN
1-3/4" (44mm)	723F80M x FIN	723F81M x FIN
2-1/4" (57mm)	723F92M x FIN	723F93M x FIN
Up to 4" (102mm)	723F86M x FIN	723F87M x FIN



Thumbturn for BHSS, BLSS, HSS, HPSK

Stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 3-3/4" (95mm) x 2-1/2" (64mm)

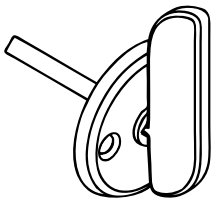
Door Thickness	Packet
1-3/4" (44mm)	851F617
2" (51mm)	851F637
2-1/4" (57mm)	851F647



Emergency Turn for BHSS, BLSS, HSS, HPSK

Stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 3-3/4" (95mm) x 2-1/2" (64mm)

Door Thickness	Packet
1-3/4" (44mm)	851F677
2" (51mm)	851F687
2-1/4" (57mm)	851F697



Ergonomic Thumbturn

Cast brass or bronze. Large profile and offset center makes it easier to grasp and rotate. Available on both sectional and escutcheon trim. To order with lock and trim, specify Quick Code M34. To order separately, see table.

Note: Not available with the M19N, M19SN, or M19VN indicators. Not available with HPSK trim.

Door	Packet
Escutcheon Trim up to 4" (102mm)	711F002
Sectional Trim	
1-3/8" (35mm) - 1-5/8" (41mm)	707F57 x FIN
1-3/4" (44mm) - 2" (51mm)	707F58 x FIN
2" (51mm - 2-1/4" (57mm)	707F59 x FIN
2-3/8" (60mm) - 3" (76mm)	707F60 x FIN
3" (76mm) - 4" (102mm)	706F70 x FIN

*Not available with M19VN occpuany indicator.

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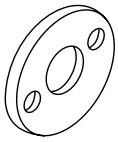
Options & Accessories

ML2000 Series



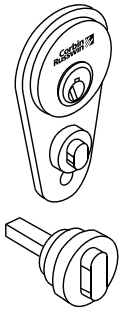
Blank Plate

For use on doors where standard thumbturn is no longer used. To order, specify 696F39 x Finish.



Key Plate

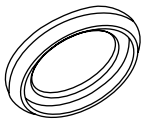
Cast brass or bronze. Standard for privacy function with emergency release only. Sectional Trim.
Plate Size: 1-3/8"(35mm) diameter. To order separately, specify Packet 438F90 x Finish.



Hotel Occupancy Indicators

For use with ML2029 hotel locks. Furnished only when ordered. When door is locked from inside, push button cannot be depressed, indicating that the room is occupied. To order specify quick code M19.
For use with sectional trim designs having 2-7/8" (73mm) maximum rose diameter. Cylinder collar and indicator combined.
Size: 3-1/16" (78mm) x 1-3/4" (44mm). To order separately, see table. For use with escutcheon designs only. Indicator is fastened to escutcheon at factory. It is included for illustration purposes only and is not sold separately.

Collar and Indicator Assembly	
Door	Packet
1-3/8" (35mm)	429F08 x FIN
1-3/4" (44mm)	416F84 x FIN
2-1/4" (57mm)	484F74 x FIN



Tapered Cylinder Collar

Furnished only for CSV or NSV trims with 1-1/4" cylinders, double cylinder functions or with 1-1/2" cylinders, single cylinder functions.*

*1-3/4" thick doors. Only used with VR trims.

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Options & Accessories

ML2000 Series

Occupancy Indicators*

Occupancy indicators for use with ML2000 x sectional trim. Design features option for dual indicators on double cylinder functions, confirming door is secured from either side. Emergency override standard for all non keyed functions.

Features:

- Design eliminates unauthorized entry via indicator tampering
- Non keyed indicators available with emergency slot turn override
- Use with both keyed and non-keyed functions
- For use outside, inside or both sides of door
- Choose outside indicator text: Vacant/Occupied or Secure/Unsecure
- Inside indicators always read Secure/Unsecure
- Torx pin security fasteners (standard with cylinder indicators)

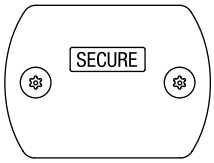


Indicators – Keyed Functions

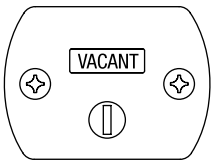
- Can be used on either side of door for double cylinder functions
- Compatible with select sectional trim rose designs: A, B, E3, H, J, W, X, Y
- Not available with Master Ring cylinders

Secure (M19S)	
Door	Packet
1-3/8" (35mm)	720F21 x Finish
1-3/4" (44mm) - 2" (51mm)	720F22 x Finish
2-1/4" (57mm)	720F24 x Finish
Over 2-1/4" (57mm)	720F25 x Finish

Vacant (M19V)	
Door	Packet
1-3/8" (35mm)	741F21 x Finish
1-3/4" (44mm) - 2" (51mm)	741F22 x Finish
2-1/4" (57mm)	741F23 x Finish
Over 2-1/4" (57mm)	741F24 x Finish



Inside Indicator



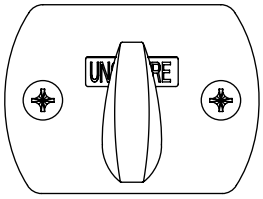
Outside Indicator

Indicators – Non Keyed Functions

- Inside Indicator always reads Secure/Unsecure
- Outside Indicator features slot-turn emergency override
- Compatible with all sectional trim rose designs: A, B, E2, E3, E4, F, G, H, J, T, U, V, W, X, Y

Secure (M19S)	
Door	Packet
1-3/8" (35mm)	721F16 x Finish
1-3/4" (44mm) - 2" (51mm)	721F17 x Finish
2-1/4" (57mm)	721F18 x Finish
Over 2-1/4" (57mm)	721F19 x Finish

Vacant (M19V)	
Door	Packet
1-3/8" (35mm)	720F61 x Finish
1-3/4" (44mm) - 2" (51mm)	720F62 x Finish
2-1/4" (57mm)	720F64 x Finish
Over 2-1/4" (57mm)	720F65 x Finish



Thumbturn Indicator (M19N)

- Located on the inside of the door and reads secure/unsecure
- Built into the occupancy indicator
- Only available in ML2013, ML2017, ML2020, ML2024, ML2029, ML2030, ML2048, ML2049, ML2060, ML2065, ML2067, ML2068, ML2069 and ML2075 functions

Door	Packet
1-3/8" (35mm)	723F69 x Finish
1-3/4" (44mm) - 2" (51mm)	723F26 x Finish
2-1/4" (57mm)	791F59 x Finish
Over 2-1/4" (57mm)	791F60 x Finish

** Not available with BHSS or BLSS Trim*

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Occupancy Indicator Quick Codes and Functions

Quick Code	Outside	Inside	ML2002	ML2003	ML2011	ML2012	ML2013	ML2017	ML2020	ML2022	ML2024	ML2029	ML2030	ML2048	ML2049	ML2059	ML2060	ML2062	ML2065	ML2067	ML2068	ML2069	ML2072	ML2073	ML2075	ML2082	ML2092	ML20608	ML20609
Single Indicator																													
M19S	Secure/Unsecure	—	X	X	X	X	X	X		X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
M19V	Vacant/Occupied	—	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
M19N	—	Secure/Unsecure	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Double Indicator																													
M19SN	Secure/Unsecure	Secure/Unsecure	X	X	X	X	X	X		X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
M19VN*	Vacant/Occupied	Secure/Unsecure	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

*Not available with MT1, MT2 and MT3 thumbturns.

How to Order:

ML2060 x NSA x 626 x RH x M19V

Non keyed function x sectional trim x outside indicator with slot turn (text reads Vacant/Occupied)

ML2072 x NSA x 626 x RH x M19SN x PHS x KA

Double cylinder x sectional trim x outside indicator (Secure/Unsecure) x inside indicator (Secure/Unsecure) x keyed alike

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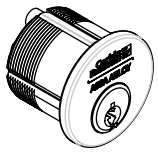
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Options and Accessories

ML2000, ML20900 ECL and ML20600 NAC Series

Cylinders

2 nickel silver keys
Finishes: See Key Systems catalog





Interchangeable Core (I.C.) Shown

Mortise Cylinder Type	Quick Code	Hotel Function	42 (inside) 52, 53, 55, 56, 58, 69 Functions	All Other Keyed and 42 (outside) Functions
Access 3® Patented	AP	1501-114-A01	1500-114-A02	1500-114-A01
Access 3® Security	AS	1601-114-A01	1600-114-A02	1600-114-A01
Access 3® High Security	AHS	1701-114-A01	1700-114-A02	1700-114-A01
Access 3® Patented IC	ACP	N/A	1580-114-A02	1580-114-A01
Access 3® Security IC	ACS	N/A	1680-114-A02	1680-114-A01
Access 3® High Security IC	ACHS	N/A	1788-114-A02	1788-114-A01
Pyramid HS	PHS	N/A	1020-114-A02	1020-114-A01
Pyramid HS IC	PCHS	N/A	1030-114-A02	1030-114-A01
Pyramid Security	PS	N/A	1027-114-A02	1027-114-A01
Pyramid Security IC	PCS	N/A	1037-114-A02	1037-114-A01
Conventional 6-pin	N/A	1001-114-A01	1000-118-A02	1000-118-A01
Conventional 7-pin	7P	N/A	1000-114-A02-7	1000-114-A01-7
6-pin IC	C6	1081-138-A01	1080-114-A02	1080-114-A01
7-pin IC	C7	N/A	1080-112-A02-7	1080-112-A01-7
Security	HS	1011-114-A01	1010-118-A02	1010-118-A01
Security IC	CHS	1091-138-A01	1090-114-A02	1090-114-A01
Flex head 6-pin	FX6	1101-118-A01	1100-100-A02	1100-100-A01
Flex head 7-pin	FX7	N/A	1100-118-A02-7	1100-118-A01-7
Master ring**	MR	N/A	1060-118-A62	1060-118-A61
Master ring flex head**	FXM	N/A	1160-100-A62	1160-100-A61
Plug only to show-6-pin	P06	1201-114-A01	1200-118-A02	1200-118-A01
Plug only to show 7-pin	P07	N/A	1200-114-A02-7	1200-114-A01-7

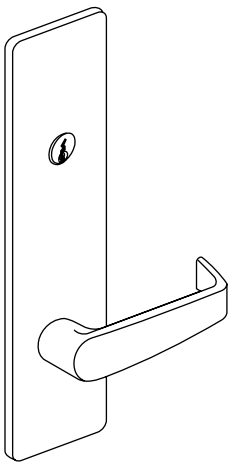
To order optional cylinder with lockset, see Quick Codes, page 70.
To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 1000-118-A01 x L4 x 626).

(VR) Indicates function is available with vandal resistant ML2000VR lockset.

**Not available for the following functions: ML2017, ML2029, ML2032, ML2068, ML20900, ML20600 x NAC.
Available for "M" escutcheon and sectional trim only.
Note: Master ring cylinder meets ANSI/BHMA operational Grade 1.

Plug only to show (concealed shell)

Only the cylinder plug face is visible when lock trim is in place. Available with "M", "R", and "L" escutcheons. See individual trim designs for availability.



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Options and Accessories

ML2000, ML20900 ECL and ML20600 NAC Series

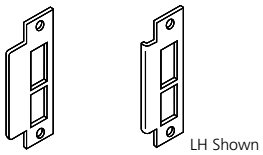
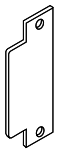
Strikes

ANSI Straight Lip (standard)

Brass, bronze or stainless steel
Non-handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center (standard)
Optional lip lengths: 7/8" (22mm), 1" (25mm), , 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

ANSI Curved Lip

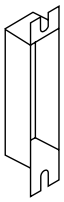
Brass, bronze or stainless steel
Handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center (standard)
Optional lip lengths: 1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

	Part No.	Description
Note: Only Available with ML2000	236L72	Straight Lip
 LH Shown All Functions	340L60	Curved Lip for RH/LHR
	340L61	Curved Lip for LH/RHR
 Blank Filler Plate	236L70	Straight Lip

To order strike with lockset, see How to Order, page 73.
To order strike separately, specify Part No. x Lip Length x Finish (e.g., 340L60 x 1-1/2" x 626).

ANSI Wrought Strike Box

To order with lockset, see Quick Codes, page 76.
To order separately, specify 120F76.

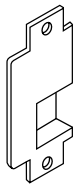


Open Back

Size: 5-1/4" (133mm) x 1/4" (32mm).

Hand	Door Thickness	Part
RHR	1-3/4" (44mm)	411L62 016
	2" (51mm)	411L62 018
	2-1/4" (57mm)	411L62 020
LHR	1-3/4" (44mm)	411L63 016
	2" (51mm)	411L63 018
	2-1/4" (57mm)	411L63 020

To order with lockset, see Quick Codes, page 76. To order separately, specify Part No. x Door Thickness x Finish (e.g., 411L62 x 2" x 626).

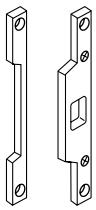


Rabbeted Front and Strike

Brass or bronze
For 1/2" (13mm) rabbet
No optional lip lengths

	Part No.	Hand
Latchbolt x Deadbolt	318F66 318F69	RH/LHR LH/RHR
Latchbolt only	318F64 318F67	RH/LHR LH/RHR
Deadbolt only	318F65 318F68	RH/LHR LH/RHR

To order with lockset, see Quick Codes, page 76.
To order separately, specify Part No. x Finish (e.g., 318F66 x 626).



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Options and Accessories

ML2000 Series, ML20900 ECL and ML20600 NAC

BPS Power Supply

Operation

Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. All modular power supplies are designed to meet UL 1481 Standards. Recommended for the ML20900, delayed egress exit devices and electric trim.

Features

- Fire panel emergency release input
- PC Board mounted system LED indicator
- Regulated and filtered with input and output protection
- Battery charging is provided from a separate output terminal

Electrical Specifications

- Inputs: 115VAC @600mA
- Outputs: 12/24 VDC @ 1 Amp, 1.5 Amp or 4 Amp, Filtered and regulated output

Listings

- UL & cUL listed 1012 General Purpose Power Supply
- Fire & Burglar Alarm Power Supply Unit URT2
- Releasing device Accessory SYSW
- Access Control Systems Units ALVY
- Burglar Alarm Systems Power Supply APHY

Applications

- D – Delayed Egress
- M97 – Electric Dogging
- SAF – Fail Safe mortise device trim control
- SEC – Fail Secure mortise device trim control
- ML20900



Note: Batteries are not included with the BPS power supply

Model	Enclosure	Input	Output
BPS-24-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1 Amp @ 24 VDC
BPS-24-2	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	2 Amp @ 24 VDC
BPS-24-4	15" (381mm) x 18" (457mm) x 6" (152mm)	115VAC, 50/60 Hz.	4 Amp @ 24VDC
BPS-12-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1 Amp @ 12 VDC
BPS-12-3	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	3 Amp @ 12 VDC

Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With *ElectroLynx*, doorway components come pre-wired for easy hookup to the power source. The key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx:

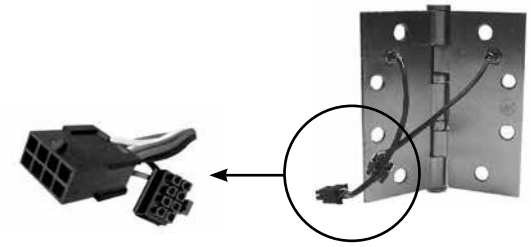
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect a ML20900 electrified mortise lock to the electronic access control system, the following items are required:

- ML20900 electrified mortise lock
- ASSA ABLOY Door Group pre-wired door, or *ElectroLynx* retrofit cable (order from McKinney)
- Electronic transfer device (*ElectroLynx* electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKinney)
- *ElectroLynx* cable from the hinge to above the ceiling (order from McKinney)

Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

The McKinney QC8 ElectroLynx Hinge is recommended for all ML20900 functions and electrified options.



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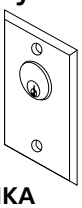
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Electrified Options & Accessories

ML20900 ECL and ML20600 NAC

Exit Controls and Switches

Key Switches



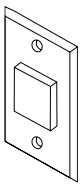
MKA

MKA - (1) SPDT Maintained
MK - (1) SPDT Momentary
MKN - (1) SPDT Momentary NS
MK2 - (1) DPDT Momentary
MKPZ x MKS - (1) SPDT Momentary with audio Double Gang x Additional Switch
Note: All key switches come standard with 12/24 VDC bi-color LED.

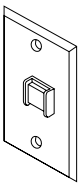
Specifications

- Keyswitch for operation using a standard 1-1/8" mortise cylinder (A02 cam) (cylinder not included).
- Contact Rating 5 Amps @ 12-24VDC
- SPDT 3-position.

Push Buttons



PB2



PB3

PB2 - (1) SPDT Momentary
PB2 - (1) DPST Remote Momentary
PB3 - (1) DPST Momentary
PB3A - (1) DPST Maintained (Alt. Action)
PB3EA - (1) DPST Alternate

Specifications

- 3 Amps @ 12-24 VDC

Indicator

ZLP - (1) Red and Green LED on narrow gang plate.

Audible/Visual Annunciators



PZ1

PZ1 - Sonalert 90db @ 2ft. 12-24VDC. Mounted on one gang stainless steel plate.

Digital Entry

DK-11 - Digital Keypad - 4 User
DK-26SS - Digital Keypad NS - 59 User - SS Finish
DK-26BK - Digital Keypad NS - 59 User - Black Finish

Power Transfers

TSB B-C - Door Cord

Electric Accessories

Description
Power supply 1.0 Amp @ 12 VDC output
Power supply 3.0 Amp @ 12 VDC output
Power supply 1.0 Amp @ 24 VDC output
Power supply 2.0 Amp @ 24 VDC output
Power supply 4.0 Amp @ 24 VDC output

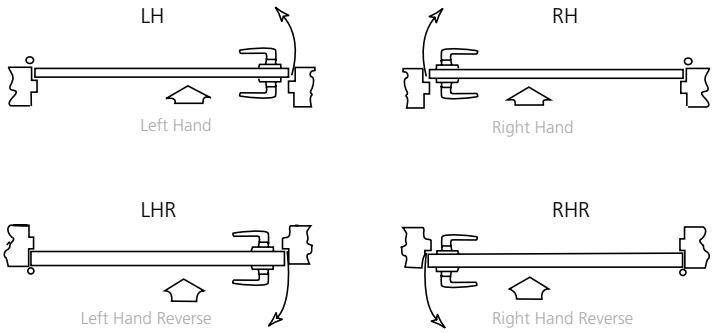
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How to Order

ML2000 Series

Ordering Examples - ML2000 Series



Note: Arrow indicates secure side of door.

Where to find ordering information and Quick Codes

ML2000 Series/Function	5-9
ML20900 ECL Series/Function	13
Trim Designs	14-54
Cylinder and Keying	69
Finish	69
Strikes	70
Miscellaneous Options	70
Door Thickness	70
Handing	71

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
100	ML2055	LWA	626	RHR

Split Trim / Finish Order

Quantity	Series/ Function	Trim		Finish		Hand
		Outside	Inside	Outside	Inside	
12	ML2055	LWA	GRC	626	625	RHR
12	ML2055	ZSL	—	626	625	RHR
24	ML2051	MSG	—	605	625	LH
12	ML2055	102U	—	626	606	RHR
24	ML2051	122R	110R	605	625	LH

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Door Thickness	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	ML2055	LWA	626	RHR	D214	SA200	M17-M26	C7	VKC3
6	AA1	ML2055VR	NSV	630	RH	D214	SS114	M17	PCHS	VKC1

Working Trim Only

Quantity	Function Only	Trim	Finish	Hand	Door Thickness	Misc. Options
6	ML2055	LWA	626	RHR	D214	M31
1	ML2055VR	NSV	630	RH	D214	M31

(Includes grip and spindle, rose or escutcheon, thumbturn lever, emergency key plate, adapters and screws)

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How To Order

ML2000 ECL, ML20900 ECL and ML20600 NAC Series

Lock Only (Includes lock case, armored front, strike and screw pack)

Quantity	Series/ Function	Trim*	Finish	Hand	Door Thickness	Optional Strike	Misc. Options
6	ML2055	LL	626	RHR	D138	SS078	M17

*TRIM KEY

KK Knob x Knob
LL Lever x Lever
LK Lever x Knob
KL Knob x Lever
HL Lever Inside Only
HK Knob Inside Only

Ordering Examples - ML20900 ECL Series

Lock Only (Includes lock case, armored front, strike and screw pack)

Quantity	Series/ Function	Trim*	Finish	Hand	Fail Safe/ Fail Secure	Misc. Options
6	ML20914	LL	626	RHR	SAF	M105

*TRIM KEY
KK Knob x Knob
LL Lever x Lever
LK Lever x Knob
KL Knob x Lever
HL Lever Inside Only
HK Knob Inside Only

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Fail Safe/ Fail Secure	Misc.Options	Optional Cylinder	Keying
24	AA1	ML20914	LWA	626	RHR	SEC	M20	7P	VKC3

Ordering Examples - ML20600 NAC Series

Stock Order

Quantity	Series/Function	Technology Code	Trim	Finish	Hand	Fail-Safe/ Fail-Secure	High Security Monitoring Options
24	ML20608	NAC	111X	626	RHR	SEC	PHRR01

- ML2000 Mortise Lock x NAC x No Cylinder x Deadbolt x Fail-Secure
- Muséo® lever 111 with X rose
- Satin chrome finish
- Right hand reverse
- Deadbolt privacy function, Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision

Stock Order

Quantity	Series/Function	Technology Code	Trim	Finish	Hand	Fail-Safe/ Fail-Secure	High Security Monitoring Options
24	ML20607	NAC	111X	626	RHR	SEC	R03

- ML2000 Mortise Lock x NAC x No Cylinder x No Deadbolt x Fail-Secure
- Muséo® lever 111 with X rose
- Satin chrome finish
- Right hand reverse
- Software House compatible 1KΩ/2KΩ resistance supervision

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How to Order the Muséo® Piet Levers

ML2000 and ML20900 ECL Series



Grooved Insert 21G



Leather Insert 21L



Polished with Satin Insert 21M



Santoprene™ Insert 21S



With Raised Band 23M



Plain 25M



Plain with Two Grooves 27M

Piet Finish Codes

ANSI/BHMA Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
N/A	BH	Wood insert
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	303030, 292929, 293029, 302930, 3E003E, BP00BP, WS00WS
21L	Leather Insert	30BK30, 30BN30, 29BK29, 29BN29, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS, WSBNWS
21M	Metallic Insert	293029, 303030**
21S	Santoprene Insert	30BK30, 29BK29, 3E003E, BS00BS, WS00WS
23M	Raised Band	290030, 290029, 300030, 300029, 3E003E, BS00BS, WS00WS**
25M	Plain	290029, 300030, 3E003E, BS00BS, WS00WS
27M	Two Grooves	290029, 300030, 3E003E, BS00BS, WS00WS

**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

Ordering Examples

Rose Options: E2, E3, E4, T, U, V, W, X, Y
Escutcheon Options: L, R

Quantity	Series/ Function	Trim	Lever Finish	Lock Finish	Hand	Thumbturn Options
2	ML2055	21LU	29BK29	629	RH	MT3
1	ML2051	23ML	290030	629	RH	MT3

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Quick Codes

ML2000, ML20900 ECL and ML20600 NAC Series

Cylinder and Keying

Description	Specify
Conventional 6-pin (VR)	(standard)
Conventional 7-pin (VR)	7P
Less cylinder(s) (VR)	LC
IC 6-pin (VR)	C6
IC 6-pin with temporary construction core (VR)	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 6-pin less core (VR)	CL6
SFIC 6-pin with SFIC disposable temporary core[1] (VR)	CT6SD
SFIC 6-pin with Less Core[1] (VR)	CLS6
IC 7-pin (VR)	C7
IC 7-pin with temporary construction core (VR)	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin less core (VR)	CL7
SFIC 7-pin with SFIC disposable temporary core[1] (VR)	CT7SD
SFIC 7-pin with Less Core[1] (VR)	CLS7
Security (VR)	HS
Security IC (VR)	CHS
Access 3 - Patented (VR)	AP
Access 3 - Security (VR)	AS
Access 3 - High Security (VR)	AHS
Access 3 IC - Patented (VR)	ACP
Access 3 IC - Security (VR)	ACS
Access 3 IC- High Security (VR)	ACHS
UL IC 6-Pin Housing Less Core	CL6AH
UL IC 6-Pin Housing with Disposable Core	CTAHD
UL IC 6-Pin Housing with (Red/Blue/Green) Temporary Construction Core	CT6AH(R/B/G)
Pyramid High Security Fixed Core (VR)	PHS
Pyramid High Security IC (VR)	PCHS
Pyramid IC Less Core (VR)	CLP
Pyramid with temporary construction core (VR)	CTP
Pyramid Security (VR)	PS
Pyramid Security IC (VR)	PCS
Pyramid Disposable Core (VR)	CTPD
6-Pin Disposable Core (VR)	CT6D
7-Pin Disposable Core (VR)	CT7D
Master ring[2]* (VR)	MR
Flex head cylinder, 6-pin (sectional trim)	FX6
Flex head cylinder, 7-pin (sectional trim)	FX7
Flex head cylinder, master ring[2] (sectional trim)	FXM
Plug only to show, 6-pin (concealed shell; M and R escutcheons only, single cylinder only)	PO6
Plug only to show, 7-pin (concealed shell; M and R escutcheons only, single cylinder only)	PO7
Plug only, less cylinder	PO-LC

(VR) Indicates availability with ML200VR lockset

*Not available UC Uncombinated

Description	Specify
Keyed random (VR)	KR
Construction master keyed (not available for Pyramid) (VR)	CMK
Visual key control (VR)	
- No keying data stamped on key or cylinder	VKC0
- Keys only	VKC1
- Cylinders and keys (not for HS, CHS, PHS, PCHS, AS, ACS, AHS, or ACHS)	VKC2
- Cylinders only (not for HS, CHS, PHS, PCHS, AP, ACP, AS, ACS, AHS or ACHS)	VKC3
Concealed key control (CKC) (VR)	
- CKC cylinders with VKC keys	CKC2
- CKC cylinders only (not for HS, CHS, PHS, PCHS, AP, ACP, AS, ACS, AHS or ACHS)	CKC3
2 keys per lock More than 2 keys	(standard) KY# (e.g., KY6)
Uncombinated	UC
O Bitted	OBIT

1. Not available with ML2029.
2. Not available for ML2017, ML2029, ML2000VR, ML20600 or ML20900.

Finishes

ANSI/BHMA 605 (US3)	Bright Brass
ANSI/BHMA 606 (US4)	Satin Brass
ANSI/BHMA 611 (US9)	Bright Bronze
ANSI/BHMA 612 (US10)	Satin Bronze
ANSI/BHMA 613 (US10B)	Oxidized Bronze, oil rubbed
613E (US10BE)	Dark Oxidized Satin Bronze - Equivalent
613L	Dark Oxidized Satin Bronze, Clear Coated
ANSI/BHMA 618 (US14)	Bright Nickel Plated
ANSI/BHMA 619 (US15)	Satin Nickel Plated
ANSI/BHMA 625 (US26)	Bright Chromium Plated
ANSI/BHMA 626 (US26D)	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield®
ANSI/BHMA 629 (US32)	Bright Stainless Steel (VR)
ANSI/BHMA 630 (US32D)	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield®
722	Black Oxidized Bronze, oil rubbed
BSP	Black Suede Powder Coat
WSP	White Suede Powder Coat

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Quick Codes

ML2000, ML20900 ECL and ML20600 NAC Series

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws (not available for "N" escutcheon trims (Standard for ML2000VR. Optional for other trims)	M04
Blank Escutcheon Inside (only available for ML2000VR, not available for ML2000) (VR)	M07
ANSI wrought strike box (VR)	M17
Hotel occupancy indicator (Only available for ML2029) (VR)	M19
Single Occupancy Indicator - Secure/Unsecure (Outside)	M19S
Single Occupancy Indicator - Vacant/Occupied (Outside)	M19V
Single Occupancy Indicator - Secure/Unsecure (Inside)	M19N
Double Occupancy Indicator - Secure/Unsecure (Outside) Secure/Unsecure (Inside)	M19SN
Double Indicator Vacant/Occupied (Outside) Secure/Unsecure (Inside)	M19VN
*Knurling outside and inside (VR)	M20
*Knurling outside only (VR)	M21
*Knurling inside only (VR)	M22
*Abrasive coat outside and inside (VR)	M23
*Abrasive coat inside only (VR)	M24
*Abrasive coat outside only (VR)	M25
Non-ferrous lockcase (ML2000 only)	M26
Lead-wrapped case (VR)	M29
Half trim (for ML2010, ML2020, ML2022, ML2024, ML2029, ML2030, ML2032, ML2052, ML2053, ML2055, ML2056, ML2057, ML2058, ML2059, Ml2062, ML2065) (Supplied with inside trim only. Includes cylinder)	M30
Working trim only (VR)	M31
Latch hold back (for ML2042, ML2052, ML2055, ML2051, ML2057 only)	LHB**
Tapered Cylinder Collar (HPSK only)	M111
Laser Engraving	LASER

*Not available with Vineyard™ or Muséo® levers.
**Must use A02 cam when LHB is specified

Door Thickness+

Door Thickness	Sectional Trim - Specify	Escutcheon* Trim - Specify
1-3/8"(35mm)**	D138	D138
1-3/4"(44mm)	(standard)	(standard)
1-7/8"(48mm)	D178	D178
2" (51mm)	D200	D200
2-1/8" (54mm)	D218	D218
2-1/4" (57mm)	D214	D214
2-3/8" (60mm)	D238	D238
2-1/2" (64mm)	D212	D212
2-5/8" (67mm)	D258	D258
2-3/4" (70mm)	D234	D234
2-7/8" (73mm)	D278	D278
3" (76mm)	D300	D300
3-1/8" (79mm)	D318	D318
3-1/4" (83mm)	D314	D314
3-3/8" (86mm)	D338	D338
3-1/2" (89mm)	D312	D312
3-5/8" (92mm)	D358	D358
3-3/4" (95mm)	D334	D334
3-7/8" (98mm)	D378	D378
4" (102mm)	D400	D400

+ HPSK is only available for 1-3/4" door thickness
* For 2-3/8" (60mm) to 4" (102mm) door thickness: throughbolts and thumbturn lever spindle for 4" door will be provided; may be field cut. "R" & "L" escutcheons only available 1-3/8" (35mm), 1-3/4" (44mm), and 2-1/4"(57mm).
** 1-1/16" (27mm) front standard for 1-3/8" (35mm) door
(VR) Vandal Resistant trim accommodates doors 1-3/4" (44mm) to 2-1/4"(57mm). Door thicknesses other than 1-3/4" (19mm) must be specified.

Strikes

Available for ML2000VR

ANSI Lip to Center	ANSI Straight Lip Specify	Curved Lip Specify
7/8" (22mm)	SS078	N/A
1-1/8" (29mm)	(standard)	SA118
1-1/4" (32mm)	SS114	SA114
1-3/8" (35mm)	SS138	SA138
1-1/2" (38mm)	SS112	SA112
1-3/4" (44mm)	SS134	SA134
2" (51mm)	SS200	SA200
2-1/4" (57mm)	SS214	SA214
2-1/2" (64mm)	SS212	SA212
2-3/4" (70mm)	SS234	SA234
3" (76mm)	SS300	SA300

Open Back Strike	Door Thickness	Specify
	1-3/4" (44mm)	SB134
	2" (51mm)	SB200
	2-1/4" (57mm)	SB214
Rabbeted front and strike	–	Specify SR118

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Quick Codes

ML2000, ML20900 ECL and ML20600 NAC Series

Handing

Hand	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Panel Applications
(Material added to the door face, increasing the overall door thickness)

Description	Specify
Centerline of lockcase to edge of panel not to exceed 2"	PNL

Electric Monitor Options (ML2000/ML20900 Series Only)

Description	Specify
Latchbolt Monitor	M91
Request to Exit	M92
Security Monitor	M105

These options may be ordered together only as follows:
M91xM92, M92xM105.

Electric Accessories

Description	Specify
Power supply 1.0 Amp @ 12 VDC output	BPS-12-1
Power supply 3.0 Amp @ 12 VDC output	BPS-12-3
Power supply 1.0 Amp @ 24 VDC output	BPS-24-1
Power supply 2.0 Amp @ 24 VDC output	BPS-24-2
Power supply 4.0 Amp @ 24 VDC output	BPS-24-4

Functions Available with Monitor Options

Function	M91	M92	M105	M91 + M92	M92 + M105
ML2010, ML2080, ML2090		X			
ML2020, ML2022, ML2024, ML2030, ML2062, ML2065	X	X		X	
ML2029*, ML2032*, ML2049*, ML2057*, ML2059*, ML2092*	X	X	X	X	X
ML2002, ML2003, ML2042, ML2052, ML2053, ML2054, ML2055, ML2056, ML2058, ML2087		X	X		X
ML2048, ML2051, ML2067, ML2082	X				
ML20906, ML20907, ML20914, ML20915, ML20932, ML20987	X	X	X	X	X

*M105 becomes DPS
Notes: ML2051 & ML2057 with LHB is not available with monitor options.
Not available with M30.

Fail Safe/Fail Secure

Description	Specify
Fail safe	SAF
Fail secure	SEC

Thumbturns

Description	Specify
Ergonomic	M34
Decorative	MT1
Decorative Square	MT2
Decorative Cylinder	MT2

See page 63 for images of decorative thumbturns

ML20600NAC - End-of-Line Resistors and Deadbolt Privacy Quick Code

Description	Specify
No End-of-Line Resistors	Blank
Mercury / Lenel 1KΩ/2KΩ	R01
Software House 1KΩ/2KΩ	R03
AMAG 4-State Supervision	R04
Deadbolt Privacy	PHR
Deadbolt Privacy and Mercury / Lenel 1KΩ/2KΩ	PHRR01
Deadbolt Privacy and Software House 1KΩ/2KΩ	PHRR03
Deadbolt Privacy and AMAG 4-State	PHRR04

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Corbin Russwin
ASSA ABLOY

How To Specify

ML2000 Series

ML2000 Series Suggested Specification

All locksets shall be ML2000 Series Mortise Locksets as manufactured by Corbin Russwin Architectural Hardware.

Locks shall have all functions available in one size case, manufactured from heavy gauge steel, minimum thickness 3/32" (2mm). The handing of all locks shall be reversible without the disassembly of the lockcase. Cases are to be closed on all sides to protect internal parts. Locks are to have adjustable, beveled and armored fronts, standard 2-3/4" (70mm) backset, a full 3/4" (19mm) throw two-piece mechanical anti-friction latchbolt, and a one-piece stainless steel 1" (25mm) throw deadbolt, and shall be available for a minimum door thickness of 1-3/8" (35mm). Internal parts shall be heavygauge steel, zinc dichromate plated for corrosion resistance.

All locksets with latchbolts, regardless of trim, shall be listed by Underwriters Laboratories for A label and lesser class doors, 4' x 10' single or 8' x 10' pair.

Locksets to be used on specified exterior doors or doors subject to special atmospheric conditions (roofs, pool areas, chemical laboratories, sewage disposal plants, etc.) shall have non-ferrous lock cases and critical internal components.

Cylinder options shall include master ring, flexible head, concealed shell, interchangeable core, security, Pyramid and Access 3 types.

Lock trim (knob, lever, sectional or escutcheon) shall be throughbolted through the lockcase to ensure correct alignment and proper operation.

Certification:
UBC - 7 - 2 and UL10C - Positive Pressure
Federal Specification FF-H-106G
ANSI/BHMA A156.13 Series 1000, Grade 1
ANSI/BHMA A117.1, Accessibility Code (formerly Title 19, California State Fire Marshal Standard) (lever handle trim).

All locks, trim, and cylinders shall be from one manufacturer.

All locksets shall carry a ten-year limited warranty.

ML2000 Series
Mortise Locks with BHSS and BLSS Trim

A. Ligature Resistant, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to accepted OMH requirements with ligature-resistant lever and escutcheon trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and escutcheons are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.

B. Ligature Resistant, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to [accepted] [Use with caution] OMH requirements with ligature-resistant lever and rose trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and roses are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.

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ML2000 Series Mortise Locksets with Vandal Resistant Trim Suggested Specification

All locksets shall be ML2000VR Series Mortise Locksets as manufactured by Corbin Russwin Architectural Hardware.

Locks shall have all functions available in one size case, manufactured from heavy gauge steel, minimum thickness 3/32" (2mm). The handing of all locks shall be reversible without the disassembly of the lockcase. Cases are to be closed on all sides to protect internal parts. Locks are to have adjustable, beveled and armored fronts, standard 2-3/4" (70mm) backset, a full 3/4" (19mm) throw two-piece mechanical anti-friction latchbolt, and a one-piece stainless steel 1" (25mm) throw deadbolt, and shall be available for a minimum door thickness of 1-3/4" (44mm). Internal parts shall be heavy gauge steel, zinc dichromate plated for corrosion resistance.

High security escutcheon trim shall be cast (stainless) steel with tapered design top and bottom to resist forced entry, excessive abuse and vandalism. Size to be 8-1/2" (216mm) high x 2-1/8" (54mm) wide x 5/16" (8mm) thick with double throughbolts and 2 post lugs to receive torx® pin tamper-resistant security screws through both escutcheons. Alignment posts shall be located over and under the spindle for rigidity and security and shall project through the lock case to ensure proper alignment. Escutcheons to accept cast levers (Newport or Citation) which accept free-floating spindles with a torque resistance of 700 inch lbs. Size of spindle to be 5/16" (8mm) and extend from both sides of the escutcheon. Levers will remain attached if spindle is broken. Lobular torx® pin drive self-tapping screws and lobular throughbolts furnished standard for vandal resistance.

Locksets that are to be used on specified exterior doors or doors subject to special atmospheric conditions (roofs, pool areas, chemical laboratories, sewage disposal plants, etc.) shall have non-ferrous lock cases and critical internal components.

Locksets to be furnished standard with conventional 6-pin fixed core cylinders.

Optional cylinders shall include IC, Access 3, security and Pyramid. Furnish a tapered vandal-resistant cylinder collar where necessary.

Certification:
UBC - 7 - 2 and UL10C - Positive Pressure
Federal Specification FF-H-106G
ANSI/BHMA A156.13 Series 1000, Grade 1
ANSI/BHMA A117.1, Accessibility Code (formerly Title 19, California State Fire Marshal Standard) (lever handle trim).

All locks, trim, and cylinders shall be from one manufacturer.

All locksets shall carry a ten-year limited warranty.

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How To Specify

ML2000 Series

ML20900 ECL Series
Suggested Specification

ECOFLEX® ELECTRIFIED MORTISE LOCKS

A. CORBIN RUSSWIN ML20900
Electrified Mortise Locks

1. General: ANSI/BHMA certified extra heavy duty, lever type mortise lock conforming to ANSI/BHMA A156.13 Series 1000, Grade 1 requirements and ANSI A117.1 accessibility guidelines. All functions manufactured in a single sized case formed from a minimum 12 gauge steel. Lockset is field-adjustable for handing without opening the lock body with a beveled armored front that is 0.125" minimum thickness and utilizes a one piece 3/4" anti-friction stainless steel latchbolt. To insure proper alignment, all trim, shall be thru-bolted and fully interchangeable between rose and escutcheon designs. Lock is UL/cUL listed and labeled for use on up to 3 hour fire rated openings.
   a. Backsets: 2-3/4".
   b. Deadbolt: Optional 1" throw made of stainless steel and 2 hardened steel roller inserts.
   c. Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8" beyond trim, frame or inactive leaf. Where required, provide open back strike and protected to allow practical and secure operation.
2. Provide access control mortise lock series, type and functions where specified in hardware groups, with provisions below:
   a. Emergency override access capability with key cylinder retraction of lock latch bolt without necessary electronic activation.
   b. Inside lever retracts latch and deadbolt simultaneously for free egress.
   c. Refer to "KEYING" specification section for keying system requirements.
   d. Lever and finish to match corresponding mechanical locking hardware.
3. Locking and unlocking of the lever handle by electronic operation contained completely within the body of the mortise lock.
   a. Field configurable Fail Safe /Fail Secure by means of an external DIP switch setting.
   b. Operationally voltage-insensitive 12 to 24 VDC.
   c. Energy Performance: Maximum standby current required for functional operation not to exceed 50 mA at 24 VDC limiting potential inductive kickback or the need for external diodes.
   d. Functional locking operation not affected by cable runs greater than 500 feet using a minimum 22 AWG wire.
4. Monitoring: Optional real time monitoring of latchbolt, deadbolt, door open/closed status and valid egress where specified. Valid egress signaled by activation of the Request-to-Exit (RX) micro switch integral to the inside lever of the lockset on the unsecure side of the door capable of shunting external alarms. Door open/closed status provided by monitoring the deadlatch and latchbolt in series with optional integrated magnetic door position switch.
5. Perform centralized control of the integrated locking functions by means of a single cable run to the access control panel independent of any proprietary power supplies, interface boards or controllers.
   a. End of line termination points by means of factory pre-wired Molex® connectors and harnesses.
   b. Source power electrical hard wiring and connections by others.

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Reversing Handing

ML2000 Series

Instructions for reversing the hand of the ML2000 Series.

Step 1) Move the Red locking screw to side of lock-body being locked (Fig. 1)

Step 2) Push in latch then depress catch plate with screw driver (Fig. 1)

Step 3) Pull latch out of lock-body and turn latch over (Fig. 2)

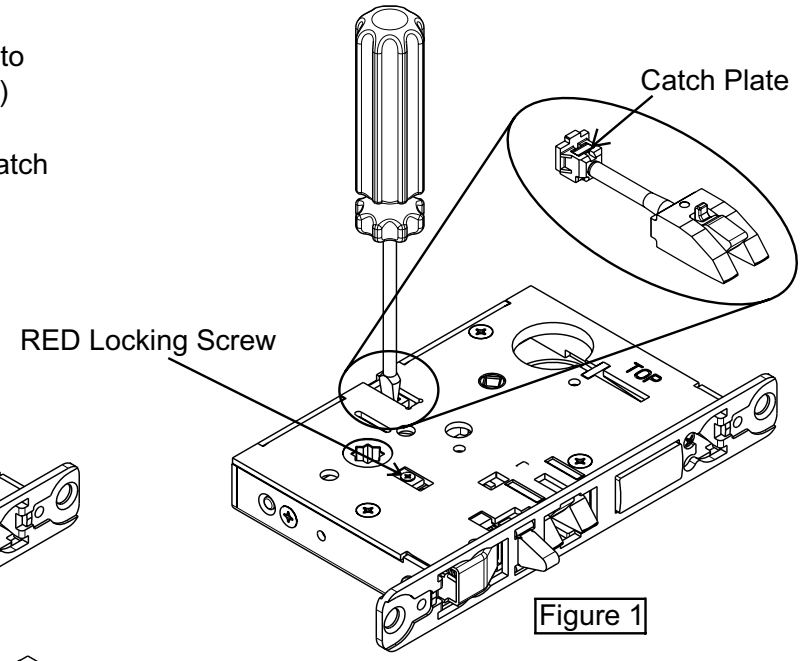


Figure 1

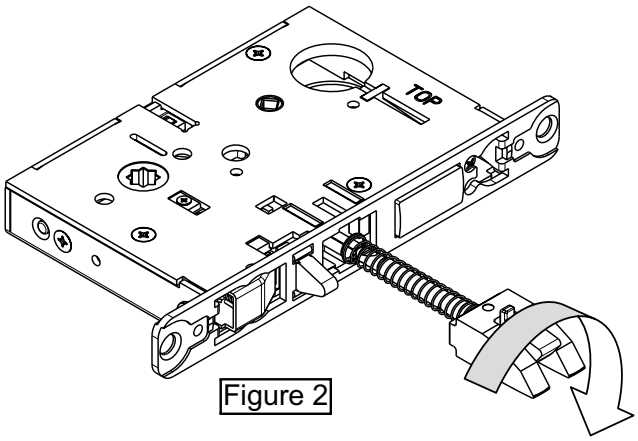


Figure 2

Step 4) Push in latch while holding screw driver behind latch tail (Fig. 3)

Note: Push in latch until catch plate is no longer depressed (Fig. 4)

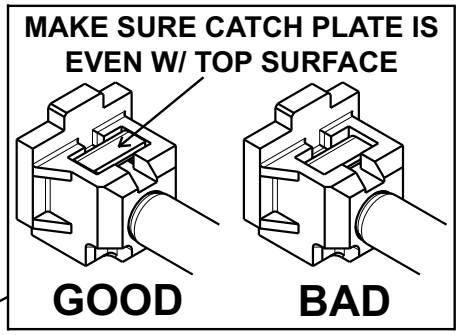


Figure 4

Step 5) Rotate lock front to match bevel of door as shown (Fig. 5)

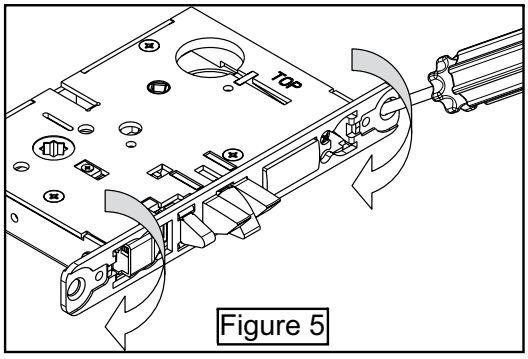


Figure 5

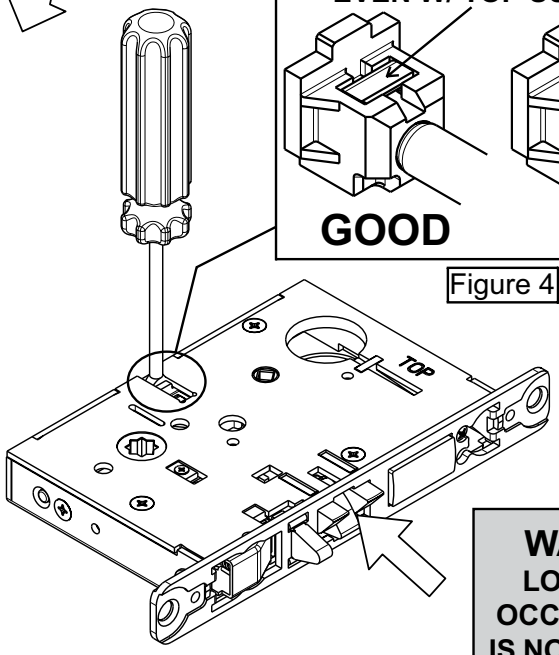


Figure 3

WARNING:
LOCK-IN CAN OCCUR IF LATCH IS NOT PROPERLY INSTALLED

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ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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ML2000 Series

Product Catalog

Experience a safer
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Overview

ML2000 Series

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Quality

The ML2000 Series is a Grade 1 mortise lock designed to meet the rigors of high-traffic commercial, institutional, industrial and government applications. Constructed of heavy-gauge steel, the lockbody features our patented Quick Reversible latchbolt, and a 1" stainless steel deadbolt. A wide variety of trim designs and functions and a 10-year warranty lend to the ML2000's versatility and reliability, making it the ideal choice for use in offices, schools, hospitals, hotels and other high-use applications.

Security

Further discourage intrusion and abuse with the ML2000VR (Vandal Resistant) series mortise lock. This lock features vandal-resistant stainless steel escutcheons with tapered edges and Torx® pin tamper resistant screws. When matched with Corbin Russwin patented high-security cylinders, any door can become a formidable barrier to intruders.

Flexible

The ML2000 Series has a multi-function capability, allowing 12 functions to be configured from one lockbody. The ML2054 entrance function (ANSI F04) uses a universal lockbody with the ability to reconfigure into other functions without dissembling the lock case.

Aesthetics

Complement any application with the full range of trim designs and finishes offered with ML2000 Series. From stainless steel security trims to bright brass Vineyard™ levers, design continuum can be achieved without forfeiting aesthetics. For additional information regarding designer trim, see the Corbin Russwin Vineyard™ Collection and Muséo® Collection catalogs.

Key Advantages

- Patented Quick Reversible feature enables reversal of hands without disassembling the lock case (Patent pending and/or patent www.assaabloydss.com/patents)
- Security trims provide a vandal-resistant barrier
- Can be used with new or existing Corbin Russwin key systems. Also accepts cylinders of most other manufacturers.
- Provides life safety and security in a single door prep, saving the additional cost of a deadlock
- Thru-bolted trim designs for proper alignment and increased security
- Multi-function lockbody

Experience a safer and more open world

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Features

ML2000 Series

Features

Handing
Handed; quick reversible. The lockset can be re-handed without disassembling the lock case; see page 81.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 76.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).
Optional: non-ferrous lockcase for corrosion resistance; see Quick Codes, page 76.

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm). Furnished 1-1/16" (27mm), optional D138, wide for 1-3/8" (35mm) doors.

Armored Front
Wrought brass, bronze or stainless steel attached by machine screws to lockcase front. ML2000VR utilizes security Torx® screws.

Latchbolt
2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Occupancy Indicator
Occupancy indicators for use with ML2000 x sectional trim. Design features option for dual indicators on double cylinder functions, confirming door is secured from either side. Emergency override standard for all non-keyed functions.

Hub
- Knob: stainless steel, 9/32" (7mm) x 9/32" (7mm).
- Lever: steel, 5/16" (8mm). (Including (VR))

Spacing
C. to c. knob/lever to cylinder: 3-5/8" (92mm).
C. to c. knob/lever to thumbturn: 2-7/16" (62mm).

Strike
Wrought brass, bronze or stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 76.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard.
Optional cylinders available; see Quick Codes, page 75.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
Plug only to show (concealed shell)
7-pin cylinder
Security cylinder
Access 3® cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Pyramid IC
Access 3® IC
Master ring cylinder
Flex head cylinder

Warranty
Ten-year limited.

Certification/Compliance

ANSI/BHMA
Certified A156.13 Series 1000, Operational and Security Grade 1. Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

UL/cUL-UL10C Positive Pressure
All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair (3 hour fire door). Letter F and UL symbol on armored front indicate listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard)
All levers with returns, return to within 1/2" (13mm) of door face.

Windstorm/Hurricane
Certified (refer to local codes).

(VR) Indicates ML2000VR (Vandal Resistant) availability.

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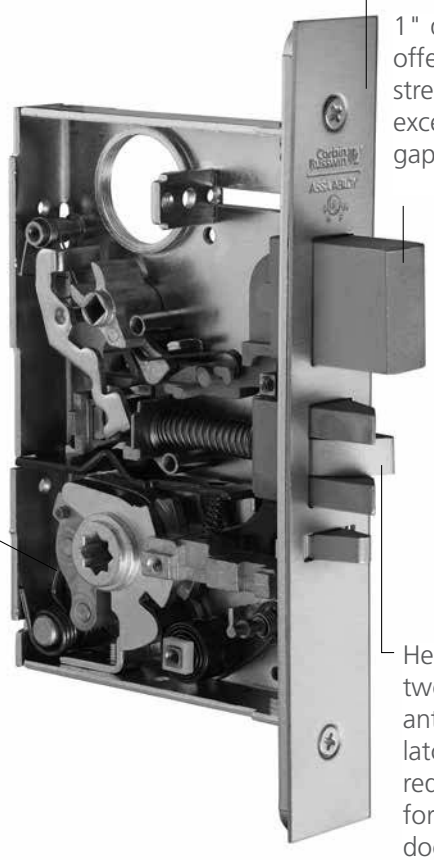
Features

ML2000 Series

Finishes

ANSI/BHMA 605 (US3)		Bright Brass
ANSI/BHMA 606 (US4)		Satin Brass
ANSI/BHMA 611 (US9)		Bright Bronze
ANSI/BHMA 612 (US10)		Satin Bronze
ANSI/BHMA 613 (US10B)		Oxidized Bronze, oil rubbed
613E (US10BE)		Dark Oxidized Satin Bronze - Equivalent
613L		Dark Oxidized Satin Bronze, Clear Coated
ANSI/BHMA 618 (US14)		Bright Nickel Plated
ANSI/BHMA 619 (US15)		Satin Nickel Plated
ANSI/BHMA 625 (US26)		Bright Chromium Plated
ANSI/BHMA 626 (US26D)		Satin Chromium Plated
626C		Satin Chromium Plated with MicroShield®
ANSI/BHMA 629 (US32)	(VR)	Bright Stainless Steel
ANSI/BHMA 630 (US32D)	(VR)	Satin Stainless Steel
630C		Satin Stainless Steel with MicroShield®
722		Black Oxidized Bronze, oil rubbed
BSP		Black Suede Powder Coat
WSP		White Suede Powder Coat

BHMA CERTIFIED



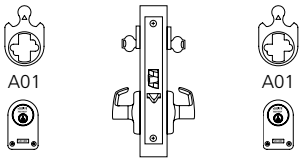
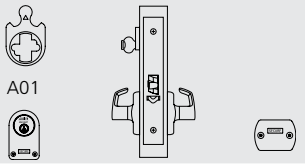
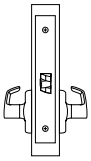
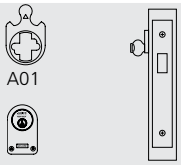
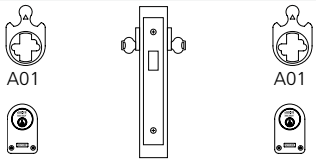
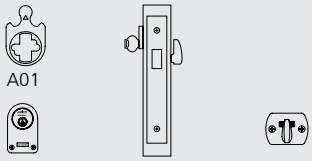
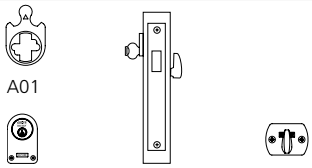
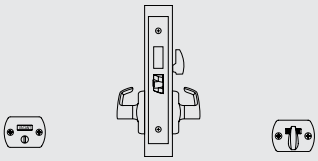
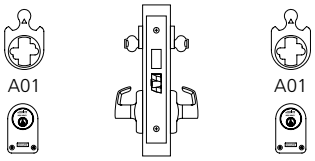
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Functions

ML2000 Series

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
 A01	A01	ML2002 (HSS)	Classroom Intruder	—	• Latchbolt by grip either side, unless outside grip is locked by key either side. • Outside grip locked or unlocked by cylinder either side. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
 A01		ML2003 (HSS)	Classroom	—	• Lock or unlock outside grip by key. • Latchbolt by grip either side, unless outside grip is locked. • Inside grip always free. • Auxiliary latch deadlocks latch.
		ML2010 (VR) (HSS)	Passage or Closet	F01	• Latchbolt by grip either side. • Both grips always free.
 A01		ML2011 (VR) (HSS)	Deadlock	F18	• Deadbolt by key outside. • No inside operation.
 A01	A01	ML2012 (HSS)	Deadlock	F16	• Deadbolt by key either side.
 A01		ML2013 (HSS)	Deadlock	F17	• Deadbolt by key outside or by thumbturn grip inside.
 A01		ML2017 (HSS)	Classroom Deadlock	F29	• Deadbolt by key outside. • Thumbturn grip inside retracts deadbolt only; will not project deadbolt.
		ML2020 (VR) (HSS)	Privacy Bedroom or Bathroom	F02	• Latchbolt by grip* either side, when deadbolt is retracted. • Deadbolt by thumbturn grip inside or by emergency release tool outside. • No simultaneous deadbolt and latch retraction. • Non-panic release. • Not available with M19S ro M19SN.
 A01	A01	ML2022 (VR) (HSS)	Store Door	F14	• Latchbolt by grip* either side when deadbolt is retracted. • Deadbolt by key either side. • Latchbolt retracted by key either side. • Non-panic release. • No simultaneous deadbolt and latch retraction.

 Indicates Indicator option is available

 Indicates Indicator option is available

 Indicates rigid grip.

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

* When lever handles are furnished, both outside and inside are locked when deadbolt is projected.

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Functions

ML2000 Series

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
A01		ML2024 (VR) (HSS)	Entrance or Storeroom	F21	• Latchbolt by grip* either side when deadbolt is retracted. • Deadbolt by key outside or by thumbturn grip inside. • Latchbolt retracted by key outside. • Non-panic release. • No simultaneous deadbolt and latch retraction.
A01 (Hotel Cylinder)		ML2029 (VR)	Hotel or Motel	F15	• Latchbolt by grip inside and by guest key or master key outside. • Outside grip always rigid. • Deadbolt by thumbturn grip inside or by emergency key outside. • Inside grip simultaneously retracts latchbolt and deadbolt. • Emergency key shuts out all other keys. • Auxiliary latch deadlocks latchbolt. Note: Indicator shows deadbolt position only.
		ML2030 (VR)	Privacy Bedroom or Bathroom	F19	• Latchbolt by grip either side unless outside grip locked by thumbturn. • Deadbolt by thumbturn grip inside or by emergency release tool outside. • Inside grip simultaneously retracts latchbolt and deadbolt and unlocks outside grip. • Not available with M19S or M19SN.
A01	A01	ML2032 (VR) (HSS)	Institution or Utility	F30	• Latchbolt by key either side. • Both grips always rigid. • Auxiliary latch deadlocks latchbolt. Note: This function does not allow free egress and can pose a life safety hazard in event of an emergency. Installation should be in accordance with approved codes only.
A01	A02	ML2042 (VR) (HSS)	Entrance or Public Restroom	F09	• Latchbolt by grip either side, unless outside grip is locked by key from inside. • Latchbolt by key outside when outside grip is locked. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
A01		ML2048 (VR)	Entrance or Apartment	F08 F10	• Latchbolt* by key outside or by grip either side, unless outside grip is locked by toggle-action stop. • Deadbolt by key outside or by thumbturn grip inside. • Inside grip free when deadbolt is retracted. • Non-panic release. • No simultaneous deadbolt and latch retraction. Note: Indicator shows deadbolt position only.
A01		ML2049 (VR)	Storeroom Deadbolt	—	• Latchbolt and deadbolt by grip inside or by key outside. • Inside grip simultaneously retracts deadbolt and latchbolt. • Outside grip always rigid. • Deadbolt thrown or retracted by key outside or thumbturn grip inside. • Auxiliary latch deadlocks latchbolt. • Inside grip always free. Note: Indicator shows deadbolt position only.
		ML2050	Half Dummy Trim	—	• Grip acts as pull only; no operation.
A01		ML2051 (VR) (HSS)	Entrance or Office	F04	• Latchbolt by key when outside grip locked by toggle action stop. • Latchbolt by grip either side, unless outside grip is locked by toggle-action stop. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.

Indicates Indicator option is available

Indicates rigid grip.

Indicates Indicator option is available

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

* When lever handles are furnished, both outside and inside are locked when deadbolt is projected.

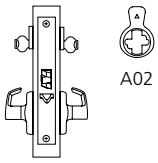
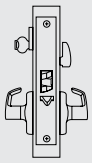
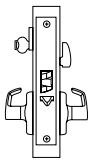
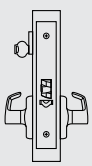
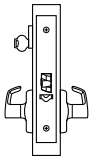
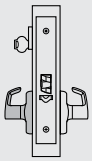
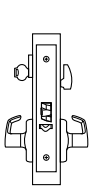
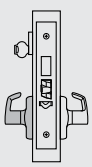
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Functions

ML2000 Series

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
A02	A02 	ML2052 (VR) (HSS)	Classroom Intruder	F32	• Latchbolt by grip either side, unless outside grip is locked by key either side. • Latchbolt by key when outside grip locked. • Auxiliary latch deadlocks latchbolt. • Inside grip always free. • Outside grip remains locked unless unlocked by key either side. Note: Not available with indicator, specify ML2002.
A02		ML2053 (VR) (HSS)	Entrance or Office	—	• Latchbolt by grip either side, unless outside grip is locked or unlocked by key or thumbturn. • Outside grip locked or unlocked by key or thumbturn. • Latchbolt by key when outside grip locked. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
A01		ML2054 (VR) (HSS)	Entrance or Office	F04	• Latchbolt by grip either side, unless outside grip is locked. • Outside grip locked or unlocked by thumbturn. • Latchbolt by key when outside grip locked. • Auxiliary latch deadlocks latchbolt. • Inside grip always free. • Multi-function capable, see page 10 for more info.
A02		ML2055 (VR) (HSS)	Classroom	F05	• Latchbolt by grip either side, unless outside grip is locked by key outside • Latchbolt by key when outside grip locked. • Auxiliary latch deadlocks latchbolt. • Inside grip always free. • Outside grip remains locked unless unlocked by key. Note: Not available with indicator, specify ML2003.
A02		ML2056 (VR) (HSS)	Classroom Holdback	F06	• Latchbolt by grip either side, unless outside grip is locked or unlocked by key. • Latchbolt by key outside when outside grip is locked. • Latchbolt can be held in a retracted position by key, or released by key. • Auxiliary latch deadlocks latchbolt. • Inside grip always free. Note: Not approved for use on U.L. fire listed applications.
A01		ML2057 (VR) (HSS)	Storeroom or Closet	F07	• Latchbolt by grip inside or by key outside. • Outside grip always rigid. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
A02		ML2058 (HSS)	Entrance or Office Holdback	—	• Latchbolt by grip either side, unless outside grip is locked. • Outside grip locked or unlocked by key or thumbturn. • Latchbolt retracted by key outside when outside grip is locked. • Latchbolt can be held in a retracted position by key or thumbturn, or released by key or thumbturn. • Auxiliary latch deadlocks latchbolt. • Inside grip always free. Note: Not approved for use on U.L. fire listed applications.
A01		ML2059	Security Storeroom or Closet	—	• Latchbolt and deadbolt by grip inside or by key outside. • Inside grip simultaneously retracts deadbolt & latchbolt. • Outside grip always rigid. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.

 Indicates rigid grip.

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

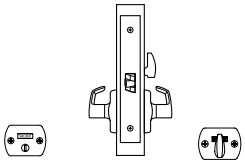
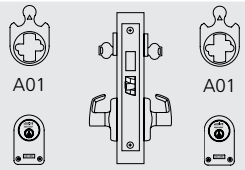
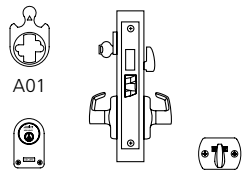
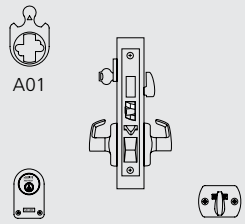
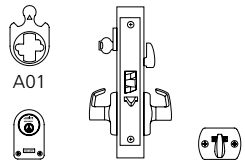
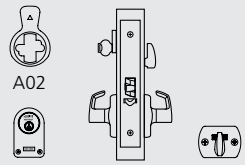
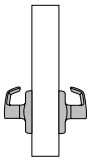
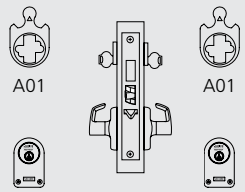
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Functions

ML2000 Series

Outside Inside	Series/Function	Type	ANSI No.	Function Description
	ML2060 (HSS)	Privacy	F22	• Latchbolt by grip either side, except when outside grip is locked by thumbturn inside. • Operating inside grip, closing door or operating emergency key outside unlocks outside grip. • Inside grip always free. • Not available with M19S or M19SN.
	ML2062	Intruder Deadbolt	F33	• Latchbolt by grip either side, unless outside grip is locked by projection of deadbolt. • Deadbolt thrown or retracted by key from either side. • Inside grip simultaneously retracts latchbolt and deadbolt and unlocks outside grip. • Inside grip always free.
	ML2065 (VR)	Dormitory or Entrance	F13	• Latchbolt by grip either side unless outside grip locked by projection of deadbolt. • Deadbolt thrown or retracted by key outside or by thumbturn grip inside. • Inside grip simultaneously retracts latchbolt and deadbolt and unlocks outside grip. • Inside grip always free.
	ML2067 (VR)	Apartment or Dormitory	F20	• Latchbolt by grip either side, unless outside grip is locked by toggle-action stop or by projection of deadbolt. • Deadbolt thrown or retracted by key outside or by thumbturn grip inside. • Inside grip simultaneously retracts latchbolt and deadbolt; outside grip remains locked. • Auxiliary latch deadlocks latchbolt. • Outside grip unlocked by toggle-action stop. Note: Occupancy Indicator shows deadbolt position only.
	ML2068 (HSS)	Privacy or Apartment	—	• Latchbolt by grip either side, unless outside grip is locked. • Outside grip locked or unlocked by key or thumbturn. • Operating inside grip, closing the door or using key unlocks outside grip. • Inside grip always free. • Auxiliary latch deadlocks latch.
	ML2069 (HSS)	Institutional Privacy	F26	• Latchbolt by grip either side, except when outside is locked by thumbturn inside. • Operating inside grip or closing door unlocks outside grip. • Key outside retracts latch at all times, even if thumbturn is held in locked position. • Auxiliary latch deadlocks latchbolt.
	ML2070	Full Dummy Trim	—	• Grips act as pulls only; no operation.
	ML2072 (VR)	Classroom Intruder	—	• Latchbolt by grip from either side unless outside grip is locked by projection of deadbolt. • Deadbolt thrown or retracted by key from either side. • Inside grip simultaneously retracts latchbolt and deadbolt; outside grip remains locked. • Key either side unlocks outside grip; outside grip remains locked unless unlocked by key. • Auxiliary latch deadlocks latchbolt. Note: Indicator shows deadbolt position only.

Indicates Indicator option is available

Indicates rigid grip.

Indicates Indicator option is available

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

* When lever handles are furnished, both outside and inside are locked when deadbolt is projected.

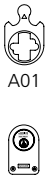
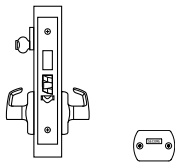
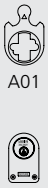
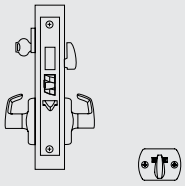
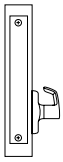
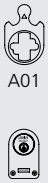
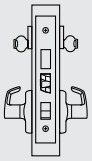
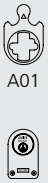
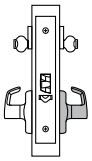
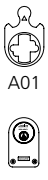
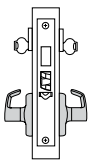
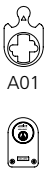
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Functions

ML2000 Series

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
A01 		ML2073 (VR)	Classroom Security	—	• Latchbolt by grip from either side unless outside grip is locked by projection of deadbolt. • Deadbolt thrown or retracted by key . • Inside grip simultaneously retracts latchbolt and deadbolt; outside grip remains locked. • Key unlocks outside grip; outside grip remains locked unless unlocked by key. • Auxiliary latch deadlocks latchbolt. Note: Indicator shows deadbolt position only.
A01 		ML2075 (VR)	Security Entrance or Office	—	• Latchbolt by grip from either side unless outside grip is locked by projection of deadbolt. • Deadbolt thrown or retracted by outside key or inside thumbturn. • Inside grip simultaneously retracts latchbolt and deadbolt; outside grip remains locked. • Key unlocks outside grip; outside grip remains locked unless unlocked by key. • Auxiliary latch deadlocks latchbolt. Note: Indicator shows deadbolt position only.
	ML2080	Half Active Dummy Trim	—	• Non-latching operation. • Grip always active; acts as push or pull only.
A01 	 A01 	ML2082 (VR)	Dormitory or Exit	F11	• Latchbolt by grip either side, unless outside grip is locked by toggle-action stop or by projection of deadbolt. • Deadbolt thrown by key from either side. • Deadbolt and latchbolt retracted by outside key when outside grip locked. • Outside grip unlocked by toggle-action stop. • Inside grip simultaneously retracts latchbolt and deadbolt; outside grip remains locked. Note: Indicator shows deadbolt position only.
A02 	 A01 	ML2087 (HSS)	Security Vestibule	—	• Latchbolt by grip outside, unless outside grip is locked by key outside. • Outside grip remains locked unless unlocked by key outside. • Latchbolt by key outside when outside grip locked. • Latchbolt by key inside. • Inside grip always rigid. • Auxiliary latch deadlocks latchbolt. Notes: - Handing must be specified. This function can only be field handed for door swing i.e. LH to LHR or RH to RHR. - Not available with L, R or V escutcheon trim. - This function does not allow free egress when inside locked and can pose a life safety hazard in even of an emergnecy. Installation should be in accordance with approved codes only.
	ML2090 (HSS)	Full Active Dummy Trim	—	• Non-latching operation. • Both grips always active; acts as push or pulls only.
A01 	 A01 	ML2092 (VR) (HSS)	Security Institution or Utility	—	• Latchbolt by key either side. • Deadbolt thrown and retracted by key either side. • Auxiliary latch deadlocks latchbolt. • Inside and outside grips remain locked at all times. Note: Indicator shows deadbolt position only. Note: This function does not allow free egress and can pose a life safety hazard in event of an emergency. Installation should be in accordance with approved codes only.

 Indicates Indicator option is available

 Indicates Indicator option is available

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

 Indicates rigid grip.

* When lever handles are furnished, both outside and inside are locked when deadbolt is projected.

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Multi-Function Configuration

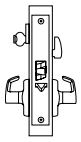
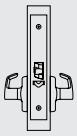
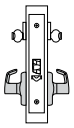
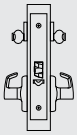
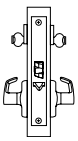
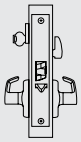
ML2000 Series

Multi-Function Capability for ML2000 Series

Corbin Russwin ML2000 Series mortise locks provide multi-function capability, allowing 12 functions to be configured using one lockbody.

The current ML2054 entrance function (ANSI F04) uses a universal lockbody with the ability to reconfigure into 11 other functions without disassembling the lock case and using few additional parts. All new and existing ML2054 function mortise locks provide this flexibility.

By specifying the ML2054, stock ordering is easier and facility maintenance is simplified.

ANSI #	Illustration	Function #	Type	Function Description	Instructions	Additional Part(s) Required
F04		ML2054	Entrance or Office	- Latchbolt by grip either side, unless outside grip is locked by thumbturn. - Outside grip locked or unlocked by thumbturn. - Latchbolt by key when outside grip locked. - Auxiliary latch deadlocks latchbolt. - Inside grip always free.	- Install thumbturn on inside. - Install cylinder with A01 cam on outside. 	- No additional parts required
F01		ML2010*	Passage or Closet	- Latchbolt by grip either side. - Both grips always free. *Multi-Function lockbody comes with auxiliary latchbolt, does not affect the operation of the function	- Do not install thumbturn or cylinder. - Remove red locking screw from lockbody. - Install lock in unlocked condition.	- No additional parts required
F30		ML2032	Institution or Utility	- Latchbolt by key either side. - Both grips always rigid. - Auxiliary latch deadlocks latchbolt. Note: This function does not allow free egress and can pose a life safety hazard in event of an emergency. Installation should be in accordance with approved codes only.	- Do not install thumbturn on inside. - Install cylinders with A01 cam on both inside and outside. - Add second red locking screw. - Install lock in locked condition.	- Red locking screw (part number 684F067) - Mortise cylinder with A01 cam 
F09		ML2042	Entrance or Public Restroom	- Latchbolt by grip either side, unless outside grip is locked by key from inside. - Latchbolt by key outside when outside grip is locked. - Auxiliary latch deadlocks latchbolt. - Inside grip always free.	- Do not install thumbturn on inside. - Install cylinders with A01 cam on outside and A02 cam on inside.	- Mortise cylinder with A02 cam 
F32		ML2052	Classroom Intruder	- Latchbolt by grip either side, unless outside grip is locked by key either side. - Latchbolt by key when outside grip is locked. - Auxiliary latch deadlocks latchbolt. - Inside grip always free. - Outside grip remains locked unless unlocked by key either side.	- Do not install thumbturn on inside. - Change cam on cylinder to A02. - Install cylinders with A02 cam on both inside and outside.	- A02 cam (part number 756F517) - Mortise cylinder with A02 cam 
—		ML2053	Entrance or Office	- Latchbolt by grip either side, unless outside grip is unlocked by key or thumbturn. - Outside grip remains locked unless unlocked by key or thumbturn. - Latchbolt by key when outside grip locked. - Auxiliary latch deadlocks latchbolt. - Inside grip always free.	- Install thumbturn on inside. - Change cam on cylinder to A02. - Install cylinder on outside.	- A02 cam (part number 756F517) 

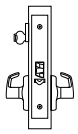
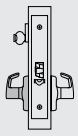
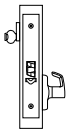
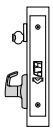
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Multi-Function Configuration

ML2000 Series

ANSI #	Illustration	Function #	Type	Function Description	Instructions	Additional Part(s) Required
F05		ML2055	Classroom	- Latchbolt by grip either side, unless outside grip is locked by key outside. - Latchbolt by key when outside grip locked. - Auxiliary latch deadlocks latchbolt. - Inside grip always free. - Outside grip remains locked unless unlocked by key.	- Do not install thumbturn on inside. - Change cam on cylinder to A02. - Install cylinder on outside.	- A02 cam (part number 756F517) 
F07		ML2057	Storeroom or Closet	- Latchbolt by grip inside or by key outside. - Outside grip always rigid. - Auxiliary latch deadlocks latchbolt. - Inside grip always free.	- Do not install thumbturn on inside. - Install cylinder with A01 cam on outside. - Install lock in locked condition.	- No additional parts required
—		N/A	Storeroom or Service	- Latchbolt by grip inside or by key outside. - Auxiliary latch deadlocks latchbolt. - Inside grip always free.	- Do not install thumbturn on inside. - Install cylinder with A01 cam on outside. - Install 1/2 trim multi-function kit on outside.	- 1/2 trim multi-function kit (part number 853F958)*
F31		N/A	Exit Latch	- Latchbolt by grip inside. - Auxiliary latch. - Inside grip always free.	- Do not install thumbturn on inside. - Do not install cylinders. - Install 1/2 trim multi-function kit on outside.	- 1/2 trim multi-function kit (part number 853F958)*
—		N/A	Utility	- Latchbolt by key outside. - Outside grip always rigid. - Auxiliary latch deadlocks latchbolt. Note: This function does not allow free egress and can pose a life safety hazard in event of an emergency. Installation should be in accordance with approved codes only.	- Do not install thumbturn on inside. - Install cylinder with A01 cam on outside. - Install 1/2 trim multi-function kit on inside. - Install inside lever on outside.	- 1/2 trim multi-function kit (part number 853F958)*
—		N/A	Closet	- Latchbolt by grip outside, unless grip is locked by key outside. - Latchbolt by key when outside grip locked. - Auxiliary latch deadlocks latchbolt. - Outside grip remains locked unless unlocked by key. Note: This function does not allow free egress and can pose a life safety hazard in event of an emergency. Installation should be in accordance with approved codes only.	- Do not install thumbturn on inside. - Install cylinder with A02 cam on the outside. - Install 1/2 trim multi-function kit on inside.	- A02 cam (part number 756F517)  - 1/2 trim multi-function kit (part number 853F958)*

*1/2 trim multi-function kit includes: M30 adapter plate (p/n 488F278), 2 retainer rings (p/n 427F078), 2 spacers (p/n 426F918), and 2 screws (p/n 814F808).

The information detailed pertains to sectional trim for standard 1-3/4" thick doors. For escutcheon trim and other applications, please contact our Technical Product Support specialists for information and details.

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Features

ML20900 ECL & ML20600NAC Series

Features

Handing
Handed; quick reversible. The lockset can be re-handed without disassembling the lockcase.

Door Thickness
1-3/4" (44mm) standard. Optional door thicknesses available; see Quick Codes, page 76.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy gauge steel, 8" (203mm) x 1-1/4" (32mm) x 3/32" (2mm).
Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought brass, bronze or stainless steel attached by machine screws to lockcase front.

Latchbolt
2-piece mechanical anti-friction insert, 5/8" (16mm) x l" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Hub
- Knob: stainless steel, 9/32" (7mm) x 9/32" (7mm).
- Lever: steel, 5/16" (8mm). (Including (VR))

Spacing
C. to c. knob/lever to cylinder: 3-5/8" (92mm)
C. to c. knob/lever to thumbturn: 2-7/16" (62mm).

Strike
Wrought brass, bronze or stainless steel ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8'' (29mm) lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 76.

Trim
Available with all ML2000 Series trim designs including the Vineyard™ Collection and the Muséo® Collection. See pages 20-62.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard. Optional cylinders available; see Quick Codes, page 75.

Keys
Two nickel silver standard.

Warranty
Ten-year limited warranty on ML2000 mortise lockset. Two-year limited warranty on electronic components.

Electrical Specifications (Fail Safe/Fail Secure)
12/24VDC @ 15mA Continuous
12/24VDC Peak current draw = .5A
(Maximum of 2 locks per 1A Power Supply)
Monitor Switch Rating: 2 amp @ 24VDC
Note: Operating voltage not to exceed +/- 10%.
See Quick Codes, page 77.

Environmental Specifications
Operating Temperature
-13°F (-25°C) to 151°F (66°C)
Operating Humidity
5% to 95% relative humidity non-condensing

Monitor Options - ML2000 and ML20900 ECL Only

M91 - Latchbolt Monitor
Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch. Note: See page 77 for available functions.

M92 - Request to Exit Monitor
Request to Exit monitoring is a SPDT switch which monitors the activation of the trim. (Both levers activate switch) Note: See page 77 for available functions.

M105 - Security Monitor
Security Monitor is two switches in series that monitors lock status (locked or unlocked) and Auxiliary Latch position. Note: Monitoring options may only be ordered together as follows: M91xM92, M92xM105. See page 77 for available functions.

Monitor Options – ML20600 NAC only

Internal End-of-Line Monitoring
Monitors the line from the access control panel to the lock, eliminating the risk of undetected tampering or damage.

PHR – Deadbolt Privacy Function
Engaging deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.

Certification/Compliance

ANSI/BHMA
Certified A156.13 Series 1000, operational and security Grade 1. Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

UL/cUL
All locks listed for A label and lesser class doors, 4' x 10' single or 8' x 10' pair. Letter F and UL symbol on armored front indicate listing. Meets requirements of UL1034.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire- rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard)
All levers with returns comply; levers return to within 1/2" of door face.

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Corbin Russwin
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Overview

ML20900 ECL Series

ML20900 ECL Series
Electrified Mortise Lockset

Simplicity
Combine simplicity and access control with the Corbin Russwin ML20900 ECL series electrically controlled mortise lock. Utilizing the proven ML2000 Series mortise lockset with the patented quick reversible latchbolt, the ML20900 series provides remote locking and unlocking. The electrified lock can be installed in a standard mortise prep with slight modification by door manufacturer. The ML20900 ECL is ideal for use where increased security is necessary at all times, such as tenant space, pharmacies, computer rooms, and high security areas.

Security
In applications where increased security is required, look no further than the ML2000VR Vandal Resistant Trim. This cast stainless steel trim features tapered edges, double through bolts, torx-pin tamper resistant screws and the lever remains attached to the escutcheon when the spindle is broken.

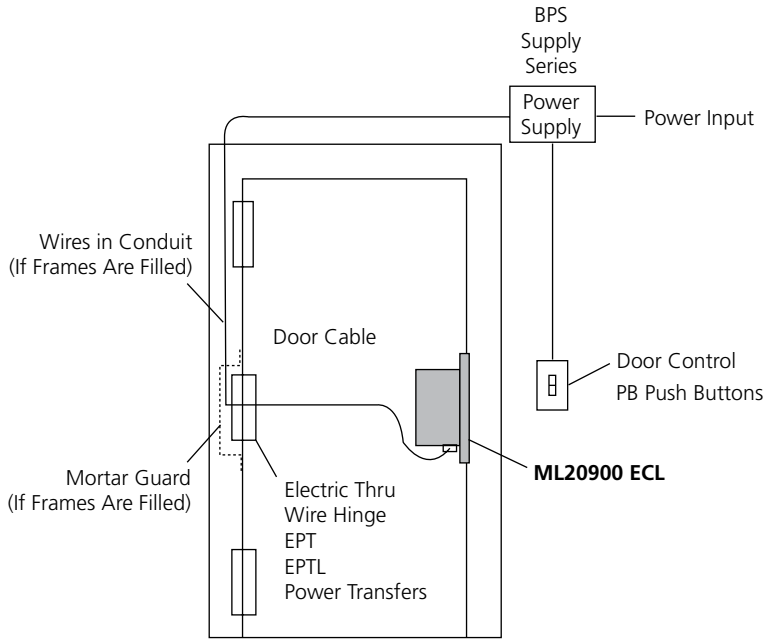
Aesthetics
Access control doesn't mean a loss of visual appeal. The Vineyard™ Collection and the Muséo® Collection feature beautifully designed levers, perfect for high-profile applications where pleasing aesthetics is a must.

Additional Features
- Mechanical key override
- Patented Quick Reversible latchbolt (Patent pending and/or patent www.assaabloydss.com/patents.)

Featuring EcoFlex® Technology:
- Reduces energy consumption up to 96%, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

Note: EcoFlex Technology is not available with master ring cylinders. Solenoid provided.

Typical Application



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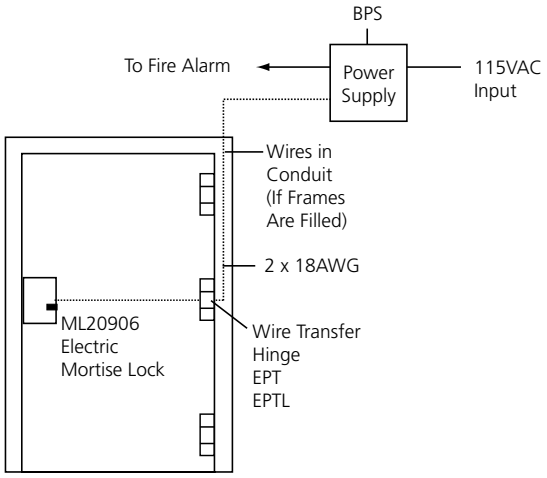
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Typical System Components (For Reference Only)

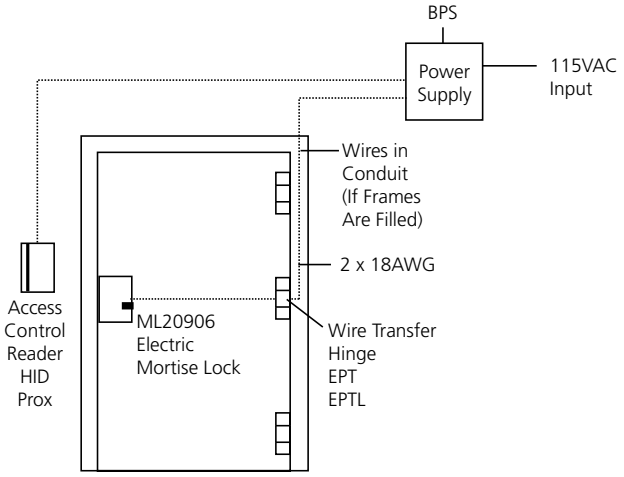
ML20900 ECL Series

Tower Stairwell



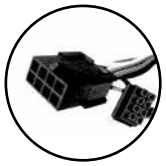
Operation:
Free egress at all times. Door is locked at all times preventing entry from the stairwell to a floor. Fire alarm activation will allow re-entry from the stairwell to the floor. Power failure will allow re-entry from the stairwell to the floor.

Access Control on Employee Entrance

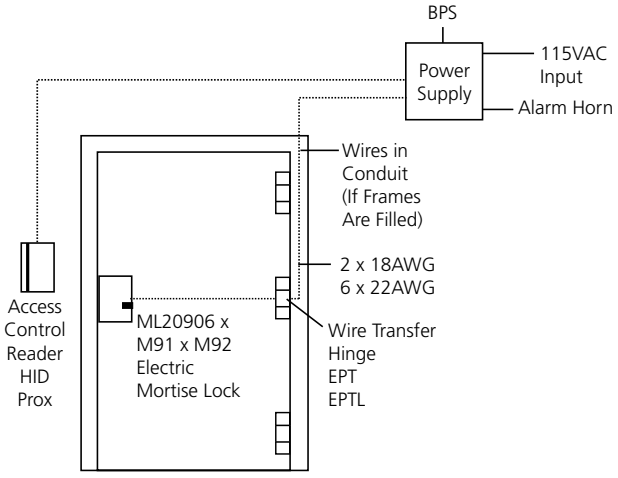


Operation:
Free egress at all times. Door is locked at all times preventing unauthorized entry. Authorized entry is permitted by presenting a valid user card.

ElectroLynx®, a system of universal Molex® plug-in connectors and standardized color-coded wiring, makes installing electrified doorway components a snap!



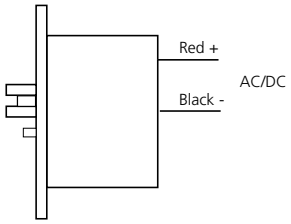
Controlled Entry With Alarm



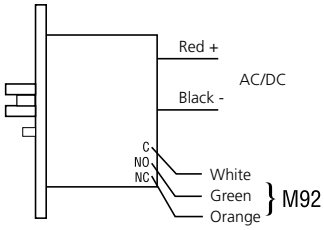
Operation:
Free egress at all times. User exits through the door which triggers the M92 switch which shunts the alarm. Door is locked at all times preventing unauthorized entry. Authorized entry is permitted by presenting a valid user card. Forced entry will trigger M91 switch and activate alarm. Alarm is deactivated by a valid user card.

Lock Schematics

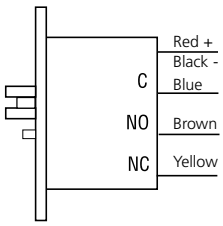
Power Leads



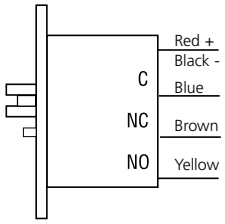
Power Leads x M92 (Request to Exit)



Power Leads x M91 (Latchbolt Monitor)



Power Leads x M105 (Security Monitor)



Consult factory for electrical system layouts, riser and wiring diagrams.

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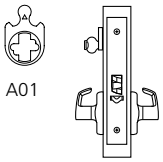
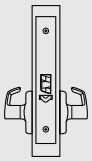
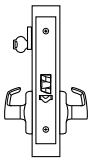
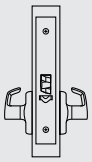
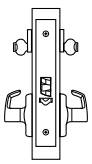
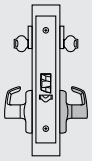
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Functions

ML20900 ECL Series

Fail Safe

The following functions are unlocked when power is off and locked when the power is on.

Outside	Inside	Series/Function	Description
 A01		ML20906 x SAF (VR) (HSS)	• Latchbolt by grip either side, unless outside grip is locked by energizing lock. • Latchbolt by key outside when lock is energized. • Inside grip always free. • Auxiliary latch deadlocks latchbolt.
		ML20907 x SAF (VR) (HSS)	• Latchbolt by grip either side, unless outside grip is locked by energizing lock. • Inside grip always free. • Auxiliary latch deadlocks latchbolt.
 A01		ML20914 x SAF (VR) (HSS)	• Latchbolt by grip either side, unless both grips are locked by energizing lock. • Latchbolt by key outside when lock is energized. • Auxiliary latch deadlocks latchbolt.
		ML20915 x SAF (VR) (HSS)	• Latchbolt by grip either side, unless both grips are locked by energizing lock. • Auxiliary latch deadlocks latchbolt.
 A01	  A01	ML20932 x SAF (VR) (HSS)	• Latchbolt by grip either side, unless both grips are locked by energizing lock. • Latchbolt by key inside or outside when lock is energized. • Auxiliary latch deadlocks latchbolt.
 A01	  A01	ML20987 x SAF (HSS)	• Latchbolt by grip outside, unless outside grip is locked by energizing lock. • Latchbolt by key both sides. • Inside grip always rigid. • Auxiliary latch deadlocks latchbolt. Notes: - This function does not allow free egress and can pose a life safety hazard in the event of an emergency. Installation should be in accordance with approved codes only. - Not available with L, R, or V escutcheon trim.

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

Indicates rigid grip.

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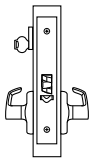
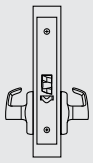
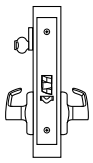
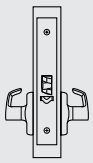
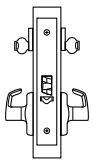
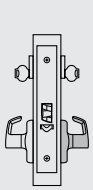
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Functions

ML20900 ECL Series

Fail Secure

The following functions are locked when power is off and unlocked when the power is on.

Outside	Inside	Series/Function	Description
A01		ML20906 x SEC (VR) (HSS)	• Latchbolt by grip either side only when lock is energized. • Outside grip locked when lock is not energized. • Latchbolt by key outside when lock is not energized. • Inside grip always free. • Auxiliary latch deadlocks latchbolt.
		ML20907 x SEC (VR) (HSS)	• Latchbolt by grip either side only when lock is energized. • Outside grip locked when lock is not energized. • Inside grip always free. • Auxiliary latch deadlocks latchbolt.
A01		ML20914 x SEC (VR) (HSS)	• Latchbolt by grip either side only when lock is energized. • Both grips locked when lock is not energized. • Latchbolt by key outside when lock is not energized. • Auxiliary latch deadlocks latchbolt.
		ML20915 x SEC (VR) (HSS)	• Latchbolt by grip either side only when lock is energized. • Both grips locked when lock is not energized. • Auxiliary latch deadlocks latchbolt.
A01	 A01	ML20932 x SEC (VR) (HSS)	• Latchbolt by grip either side only when lock is energized. • Both grips locked when lock is not energized. • Latchbolt by key inside or outside when lock is not energized. • Auxiliary latch deadlocks latchbolt
A01	 A01	ML20987 x SEC (HSS)	• Latchbolt by grip outside when lock is energized. • Outside grip locked when lock is not energized. • Latchbolt by key both sides. • Inside grip always rigid. • Auxiliary latch deadlocks latchbolt. Notes: - This function does not allow free egress and can pose a life safety hazard in the event of an emergency. Installation should be in accordance with approved codes only. - Not available with L, R, or V escutcheon trim.

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

Indicates rigid grip.

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Overview

ML20600 NAC Series

ML20600 NAC Series Electrified Mortise Lock with High Security Monitoring

The high security monitoring options of our industry-leading Integrated Wiegand locks are now available in a mortise lock with ElectroLynx® connectors that can be used as a stand-alone electrified lock or in conjunction with a wall reader. Every NAC lock is shipped with door position and request to exit monitoring installed. NAC locks ordered with deadbolt are supplied with deadbolt monitoring. (PHR options will replace deadbolt monitoring with deadbolt privacy)

High Security Monitoring Options

- **Internal End-of-Line Monitoring**
  Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

  Select a compatible resistor configuration and add the appropriate quick code to the beginning of your order string:
  – **R01**: Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision
  – **R03**: Software House compatible 1KΩ/2KΩ resistance supervision
  – **R04**: AMAG compatible 4-state supervision

- **Deadbolt Privacy Function (PHR)**
  – Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.
  – Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower areas
  – To order, add the PHR to the options of your order string available with SEC deadbolt functions only (ML20608 x SEC or ML20609 x SEC)

See how to order examples page 73.

Featuring EcoFlex® Technology:
- Reduces energy consumption up to 96% as certified by GreenCircle
  – Lower operating costs
  – Assists with load reduction in optimizing energy performance credit in LEED
  – Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  – Higher performance and reduced maintenance
  – Ability to have longer cable runs without negatively impacting lock function
  – Reduces risk of voltage drops and eliminates inductive kickback
  – Lower total cost of ownership

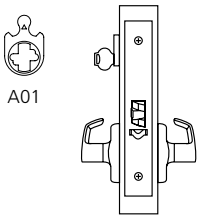
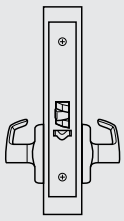
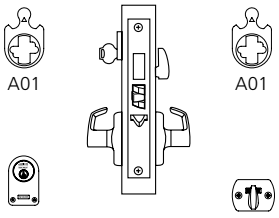
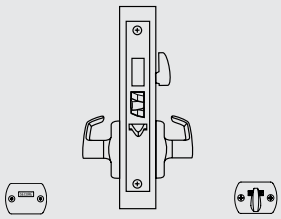
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Functions

ML20600 NAC Series

Fail Safe

Outside Inside	Series/Function	Type	Function Description
 A01	ML20606 x NAC x SAF Fail Safe With Key Override No Deadbolt (VR) (HSS)	Entry	• Fail Safe - Power off unlocks outside trim • Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when lock is not energized • Key outside retracts latch • Request to exit and secure door position monitor are standard
	ML20607 x NAC x SAF Fail Safe No Key Override No Deadbolt (VR) (HSS)	Entry	• Fail Safe - Power off unlocks outside trim • Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when lock is not energized • Request to exit and secure door position monitor are standard
 A01 A01	ML20608 x NAC x SAF Fail Safe With Key Override With Deadbolt (VR) (HSS)	Entry With Deadbolt	• Fail Safe - Power off unlocks outside trim • Deadlocking latch • Latch and deadbolt retracted by inside lever and deadbolt at all times • Outside lever rigid except when lock is not energized • Key outside projects or retracts deadbolt and retracts latch • Turnpiece inside extends and retracts deadbolt • Request to exit and secure door position monitor are standard • Indicator shows deadbolt position only
	ML20609 x NAC x SAF Fail Safe No Key Override With Deadbolt (VR) (HSS)	Entry With Deadbolt	• Fail Safe - Power off unlocks outside trim • Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when lock is not energized • Turnpiece inside extends and retracts deadbolt • Request to exit and secure door position monitor are standard • Indicator shows deadbolt position only

Indicates Indicator option is available

Indicates Indicator option is available

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

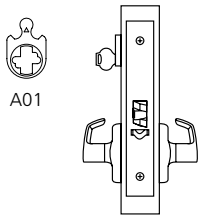
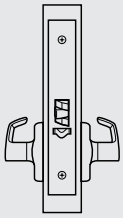
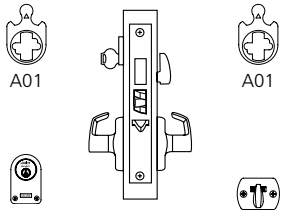
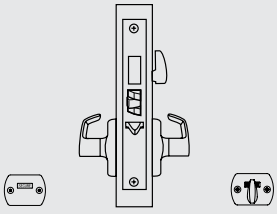
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Functions

ML20600 NAC Series

Fail Secure

Outside Inside	Series/Function	Type	Function Description
 A01	ML20606 x NAC x SEC Fail Secure With Key Override No Deadbolt (VR) (HSS)	Entry	• Fail Secure - Power off, trim outside is locked • Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when lock is energized • Key outside retracts latch • Request to exit and secure door position monitor are standard
	ML20607 x NAC x SEC Fail Secure No Key Override No Deadbolt (VR) (HSS)	Entry	• Fail Secure - Power off, trim outside is locked • Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when lock is energized • Request to exit and secure door position monitor are standard
 A01 A01	ML20608 x NAC x SEC Fail Secure With Key Override With Deadbolt (VR) (HSS)	Entry With Deadbolt	• Fail Secure - Power off, trim outside is locked • Deadlocking latch • Latch and deadbolt retracted by inside lever and deadbolt at all times • Outside lever rigid except when lock is energized • Key outside projects or retracts deadbolt and retracts latch • Turnpiece inside extends and retracts deadbolt • Request to exit and secure door position monitor are standard • Indicator shows deadbolt position only
	ML20609 x NAC x SEC Fail Secure No Key Override With Deadbolt (VR) (HSS)	Entry With Deadbolt	• Fail Secure - Power off, trim outside is locked • Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when lock is energized • Turnpiece inside extends and retracts deadbolt • Request to exit and secure door position monitor are standard • Indicator shows deadbolt position only

 Indicates Indicator option is available

 Indicates Indicator option is available

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

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Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



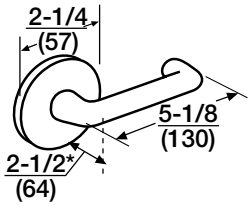
Lustra

Complies with codes requiring lever to return to within 1/2" (13mm) of door face. Brass, bronze or stainless steel.

LWA
Lever: Wrought
Rose: Wrought

LWB
Lever: Wrought
Rose: Cast



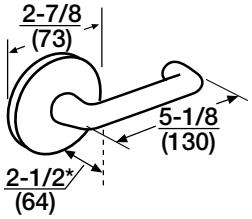


LSA
Lever: Cast
Rose: Wrought

LSB
Lever: Cast
Rose: Cast

LWF
Lever: Wrought
Rose: Cast





LSF
Lever: Cast
Rose: Cast

Dimensions:
inches
millimeters

*Dimension from face of door, not surface of rose or escutcheon.

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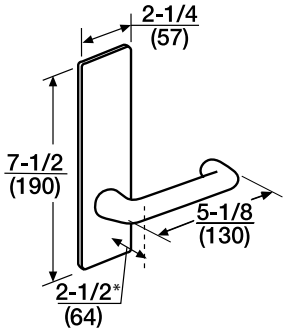
Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



LWM
Lever: Wrought
Escutcheon: Wrought
Optional: Plug only to show; master ring

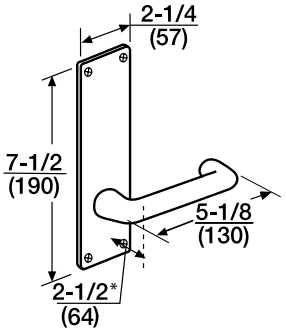
LSM
Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring





LWN
Lever: Wrought
Escutcheon: Wrought

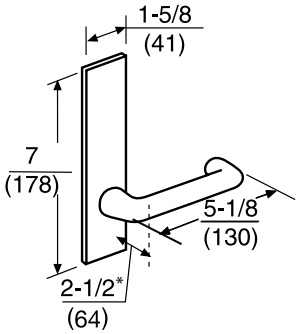
LSN
Lever: Cast
Escutcheon: Wrought





LWP
Lever: Wrought
Escutcheon: Wrought

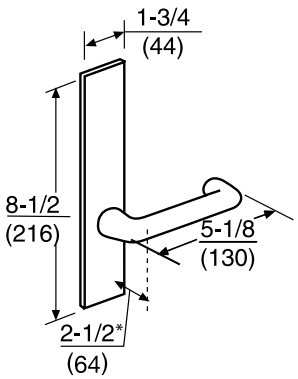
LSP
Lever: Cast
Escutcheon: Wrought
Note: P escutcheon is not compatible with ML20900 ECL or ML20600 NAC mortise locks





LWR
Lever: Wrought
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)

LSR
Lever: Cast
Escutcheon: Solid stainless steel, forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)
Note: R escutcheon is not available for functions ML2087 or ML20987



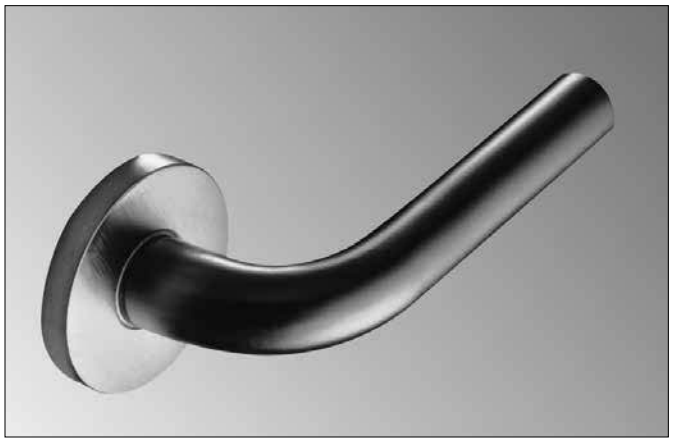
*Dimension from face of door, not surface of rose or escutcheon.

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Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



Regis

Brass, bronze or stainless steel

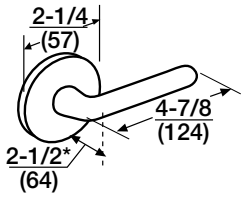


RWA

Lever: Wrought
Rose: Wrought

RWB

Lever: Wrought
Rose: Cast

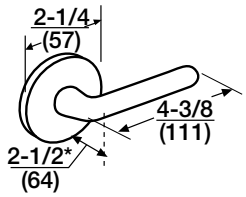


RSA

Lever: Cast
Rose: Wrought

RSB

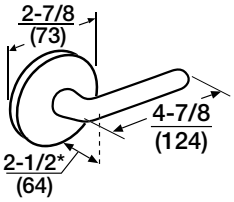
Lever: Cast
Rose: Cast





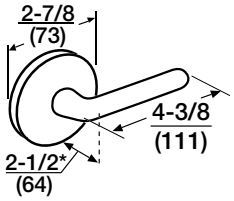
RWF

Lever: Wrought
Rose: Cast



RSF

Lever: Cast
Rose: Cast



*Dimension from face of door, not surface of rose or escutcheon.

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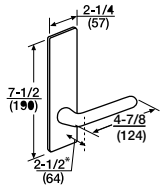
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Trim Designs

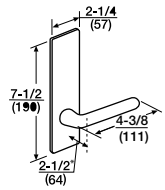
ML2000, ML20900 ECL and ML20600 NAC Series



RWM
Lever: Wrought
Escutcheon: Wrought
Optional: Plug only to show; master ring

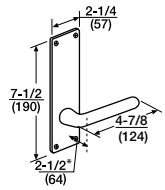


RSM
Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring

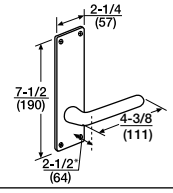




RWN
Lever: Wrought
Escutcheon: Wrought

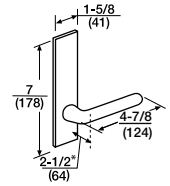


RSN
Lever: Cast
Escutcheon: Wrought

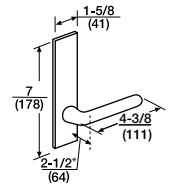




RWP
Lever: Wrought
Escutcheon: Wrought

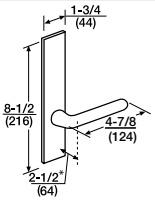


RSP
Lever: Cast
Escutcheon: Wrought
Note: P escutcheon is not compatible with ML20900 ECL or ML20600 NAC mortise locks

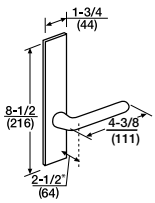




RWR
Lever: Wrought
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)



RSR
Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)
Note: R escutcheon is not available for functions ML2087 or ML20987



*Dimension from face of door, not surface of rose or escutcheon.

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Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



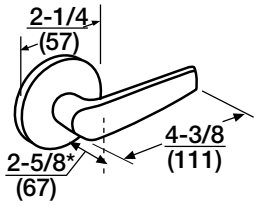
Citation

- Brass, bronze or stainless steel
- Laser engraving option
  (See Custom Laser Engraving brochure)



CSA

Lever: Cast
Rose: Wrought



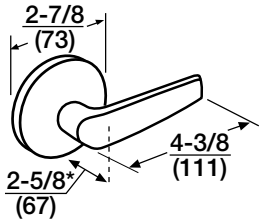
CSB

Lever: Cast
Rose: Cast



CSF

Lever: Cast
Rose: Cast



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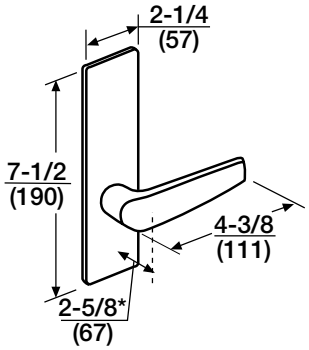
Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



CSM

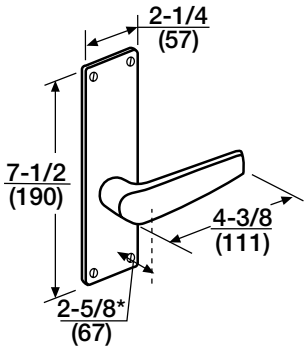
Lever: Cast
Escutcheon: Wrought
Optional:
- Plug only to show; master ring
- Laser engraving on lever or escutcheon





CSN

Lever: Cast
Escutcheon: Wrought
Optional: Laser engraving on lever

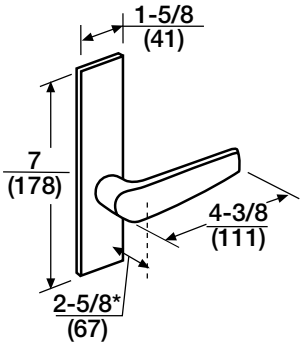




CSP

Lever: Cast
Escutcheon: Wrought
Optional: Laser engraving on lever

Note: P escutcheon is not compatible with ML20900 ECL or ML20600 NAC mortise locks



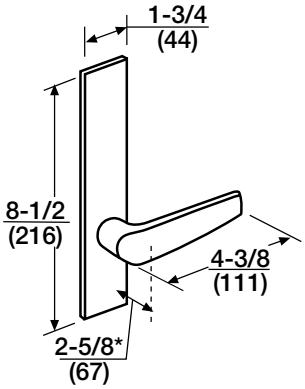


CSR

Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional:
- Plug only to show
- Laser engraving on lever

Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)

Note: R escutcheon is not available for functions ML2087 or ML20987



*Dimension from face of door, not surface of rose or escutcheon.

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Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series

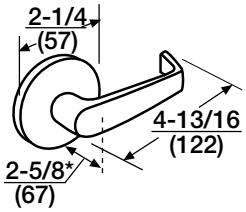


Newport

- Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
- Brass, bronze or stainless steel
- Laser engraving option
  (See Custom Laser Engraving brochure)



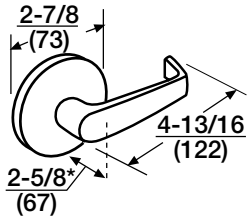
NSA
Lever: Cast
Rose: Wrought



NSB
Lever: Cast
Rose: Cast



NSF
Lever: Cast
Rose: Cast



*Dimension from face of door, not surface of rose or escutcheon.

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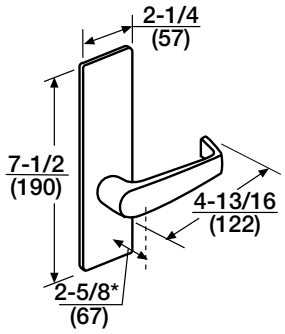
Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



NSM

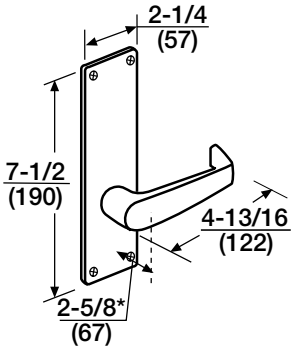
Lever: Cast
Escutcheon: Wrought
Optional:
- Plug only to show; master ring
- Laser engraving on lever or escutcheon





NSN

Lever: Cast
Escutcheon: Wrought
Optional: Laser engraving on lever

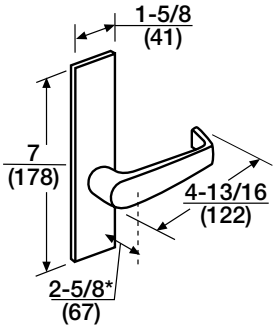




NSP

Lever: Cast
Escutcheon: Wrought
Optional: Laser engraving on lever

Note: P escutcheon is not compatible with ML20900 ECL or ML20600 NAC mortise locks

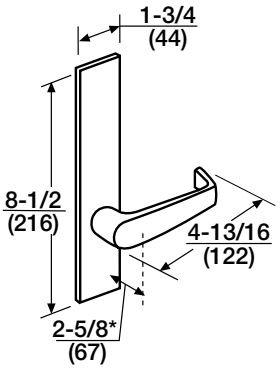




NSR

Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional:
- Plug only to show
- Laser engraving on lever

Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)
Note: R escutcheon is not available for functions ML2087 or ML20987



*Dimension from face of door, not surface of rose or escutcheon.

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Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



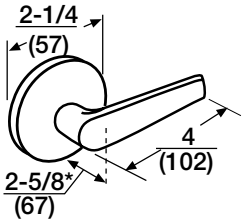
Armstrong

- Brass, bronze or stainless steel
- Laser engraving option
  (See Custom Laser Engraving brochure)



ASA

Lever: Cast
Rose: Wrought



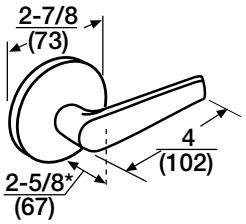
ASB

Lever: Cast
Rose: Cast



ASF

Lever: Cast
Rose: Cast



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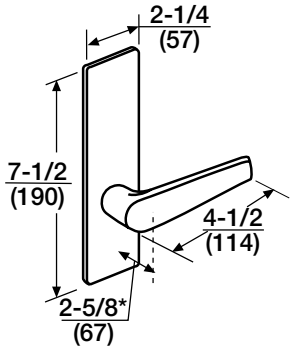
Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



ASM

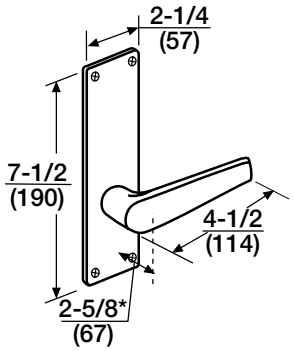
Lever: Cast
Escutcheon: Wrought
Optional:
- Plug only to show; master ring
- Laser engraving on lever or escutcheon





ASN

Lever: Cast
Escutcheon: Wrought
Optional: Laser engraving on lever

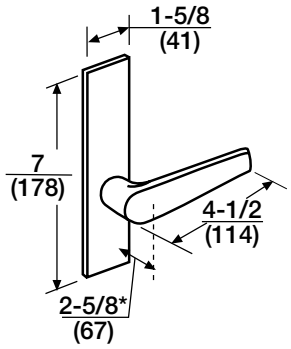




ASP

Lever: Cast
Escutcheon: Wrought
Optional: Laser engraving on lever

Note: P escutcheon is not compatible with ML20900 ECL or ML20600 NAC mortise locks



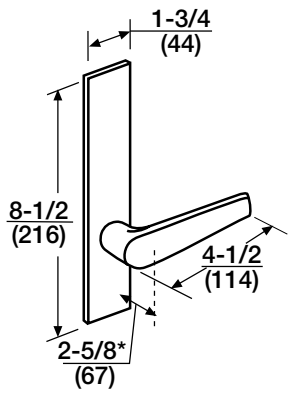


ASR

Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional:
- Plug only to show
- Laser engraving on lever

Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)

Note: R escutcheon is not available for functions ML2087 or ML20987



*Dimension from face of door, not surface of rose or escutcheon.

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Trim Designs

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Dirke

Brass, bronze or stainless steel

- Not reversible
- Handed levers

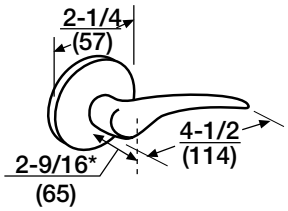
DSA

Lever: Cast
Rose: Wrought
Specify hand



DSB

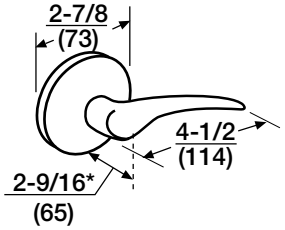
Lever: Cast
Rose: Cast
Specify hand



DSF

Lever: Cast
Rose: Cast
Specify hand





*Dimension from face of door, not surface of rose or escutcheon.

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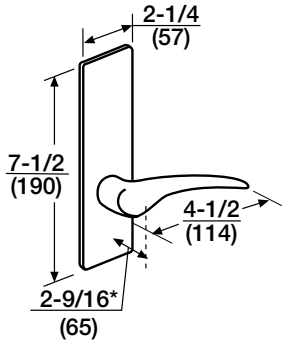
Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



DSM

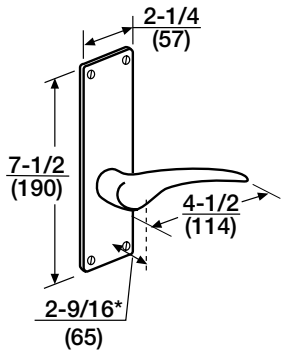
Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring
Specify hand





DSN

Lever: Cast
Escutcheon: Wrought
Specify hand

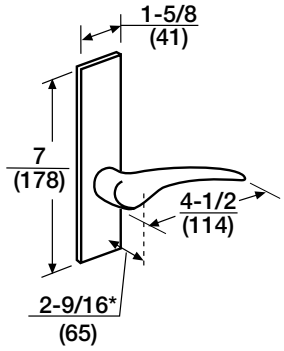




DSP

Lever: Cast
Escutcheon: Wrought
Specify hand

Note: P escutcheon is not compatible with ML20900 ECL or ML20600 NAC mortise locks

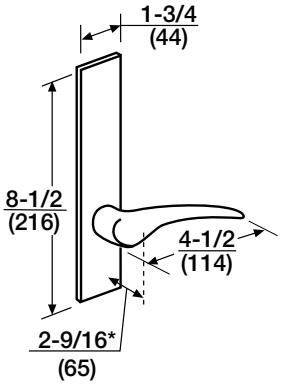




DSR

Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)
Specify hand

Note: R escutcheon is not available for functions ML2087 or ML20987



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Trim Designs

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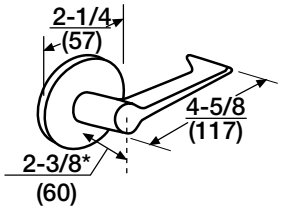
Essex

Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
Brass, bronze or stainless steel



ESA

Lever: Cast
Rose: Wrought



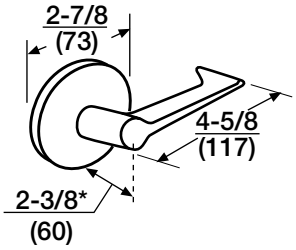
ESB

Lever: Cast
Rose: Cast



ESF

Lever: Cast
Rose: Cast



*Dimension from face of door, not surface of rose or escutcheon.

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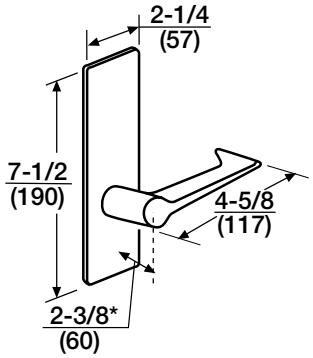
Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



ESM

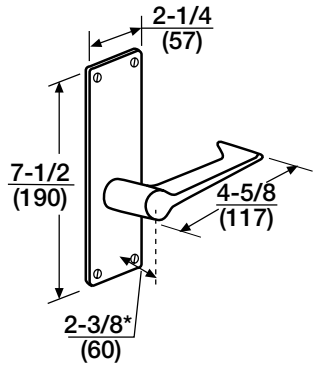
Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring





ESN

Lever: Cast
Escutcheon: Wrought

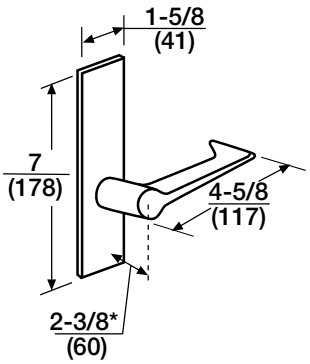




ESP

Lever: Cast
Escutcheon: Wrought

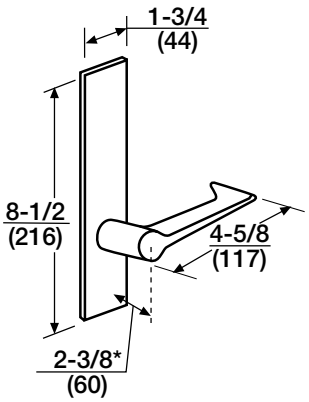
Note: P escutcheon is not compatible with ML20900 ECL or ML20600 NAC mortise locks





ESR

Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)
Note: R escutcheon is not available for functions ML2087 or ML20987



*Dimension from face of door, not surface of rose or escutcheon.

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Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series

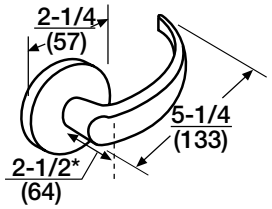


Princeton

- Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
- Brass, bronze or stainless steel
- Laser engraving option
  (See Custom Laser Engraving brochure)



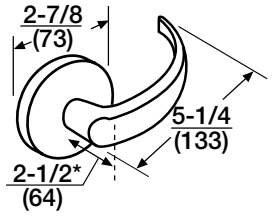
PSA
Lever: Cast
Rose: Wrought



PSB
Lever: Cast
Rose: Cast



PSF
Lever: Cast
Rose: Cast



*Dimension from face of door, not surface of rose or escutcheon.

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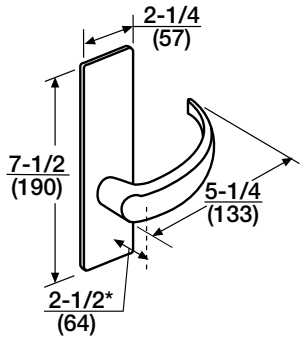
Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



PSM

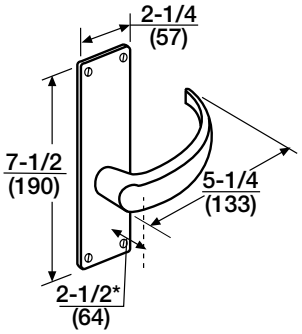
Lever: Cast
Escutcheon: Wrought
Optional:
- Plug only to show; master ring
- Laser engraving on lever or escutcheon





PSN

Lever: Cast
Escutcheon: Wrought
Optional: Laser engraving on lever

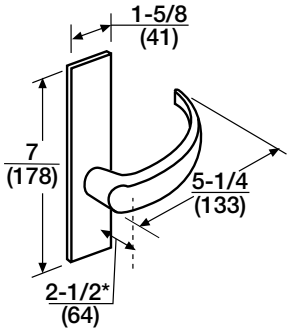




PSP

Lever: Cast
Escutcheon: Wrought
Optional: Laser engraving on lever

Note: P escutcheon is not compatible with ML20900 ECL or ML20600 NAC mortise locks



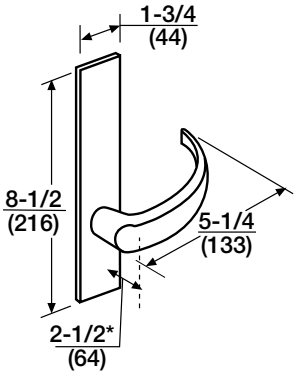


PSR

Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional:
- Plug only to show
- Laser engraving on lever

Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)

Note: R escutcheon is not available for functions ML2087 or ML20987



*Dimension from face of door, not surface of rose or escutcheon.

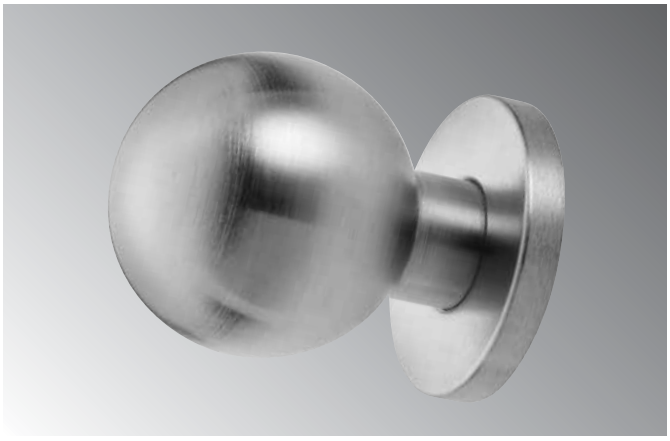
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Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



Global

Zinc

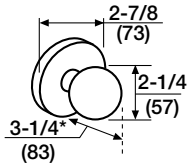


GZF

Knob: Solid Cast
Rose: Cast

GZH

Knob: Solid Cast
Rose: Wrought



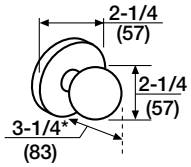


GZA

Knob: Solid Cast
Rose: Wrought

GZB

Knob: Solid Cast
Rose: Cast



*Dimension from face of door, not surface of rose or escutcheon.

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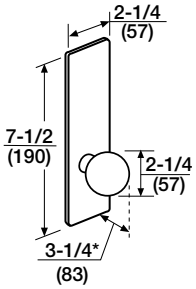
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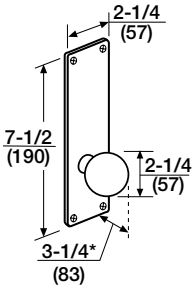


GZM[1]
Knob: Solid Cast
Escutcheon: Wrought





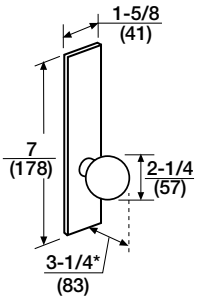
GZN
Knob: Solid Cast
Escutcheon: Wrought





GZP
Knob: Solid Cast
Escutcheon: Wrought

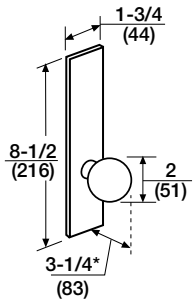
Note: P escutcheon is not compatible with ML20900 ECL or ML20600 NAC mortise locks





GZR[1, 2]
Knob: Solid Cast
Escutcheon: Solid stainless steel; forged brass

Note: R escutcheon is not available for functions ML2087 or ML20987



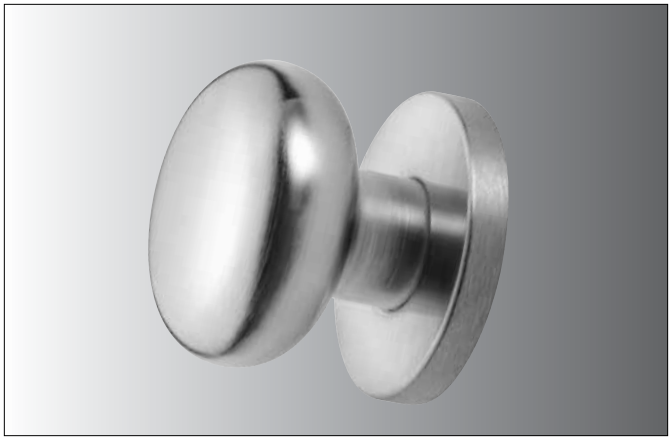
1. Optional: Plug only to show; master ring
2. Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)
*Dimension from face of door, not surface of rose or escutcheon.

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ML2000, ML20900 ECL and ML20600 NAC Series



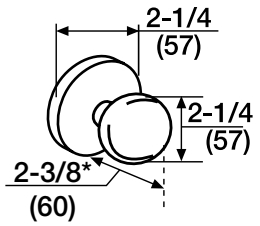
Yankee

Zinc



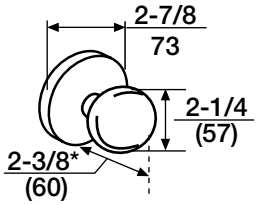
YZA
Knob: Solid Cast
Rose: Wrought

YZB
Knob: Solid Cast
Rose: Cast



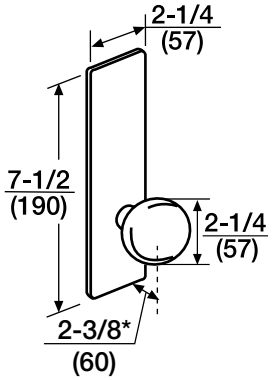
YZF
Knob: Solid Cast
Rose: Cast

YZH
Knob: Solid Cast
Rose: Wrought





YZM
Knob: Solid Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring



*Dimension from face of door, not surface of rose or escutcheon.

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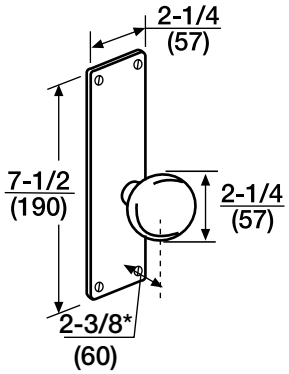
Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



YZN

Knob: Solid Cast
Rose: Wrought

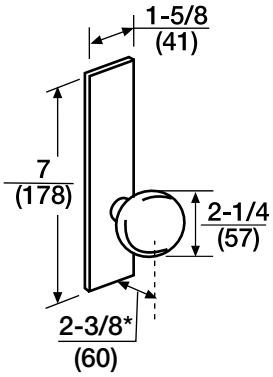




YZP

Knob: Solid Cast
Escutcheon: Wrought

Note: P escutcheon is not compatible with ML20900 ECL or ML20600 NAC mortise locks

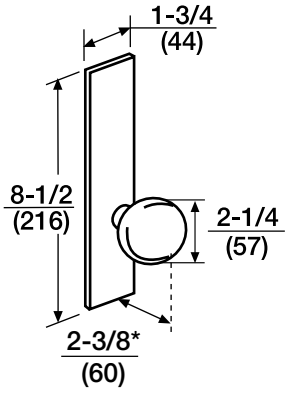




YZR

Knob: Solid Cast
Escutcheon: Solid stainless steel or forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)

Note: R escutcheon is not available for functions ML2087 or ML20987



*Dimension from face of door, not surface of rose or escutcheon.

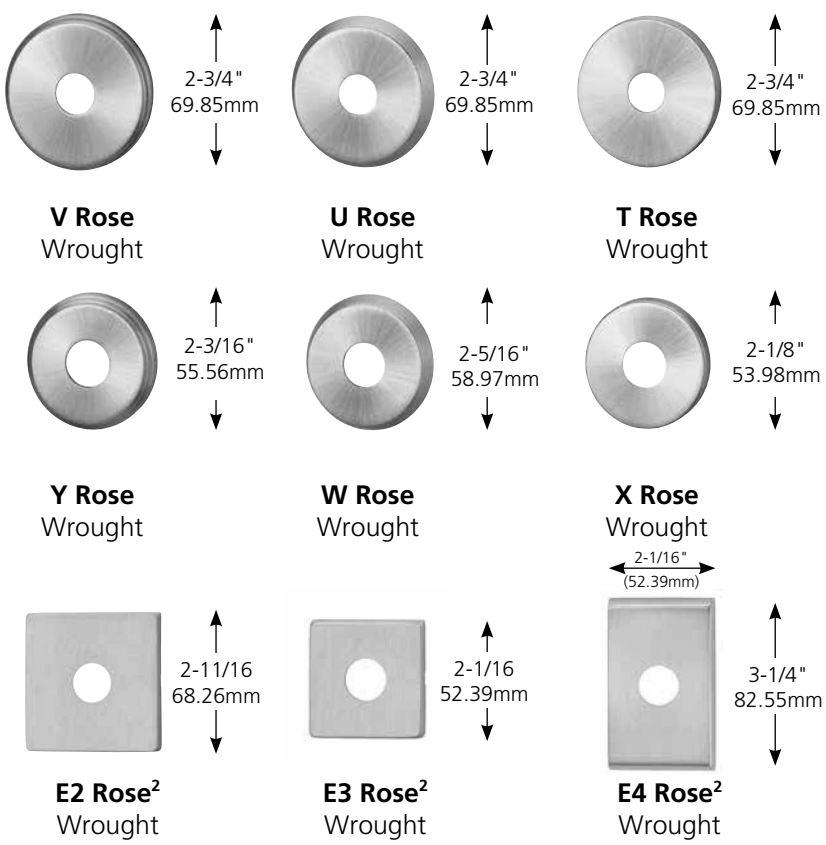
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ML2000, ML20900 ECL and ML20600 NAC Series

Muséo Collection Roses[1] and Escutcheons



V Rose
Wrought

U Rose
Wrought

T Rose
Wrought

Y Rose
Wrought

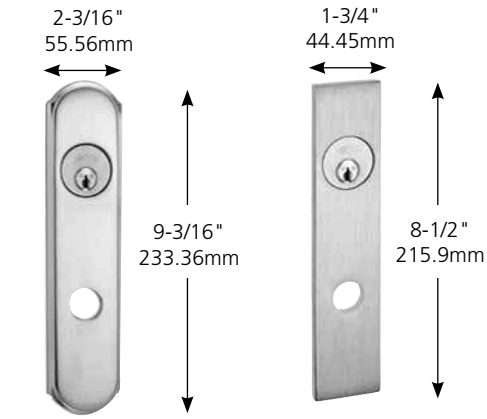
W Rose
Wrought

X Rose
Wrought

E2 Rose[2]
Wrought

E3 Rose[2]
Wrought

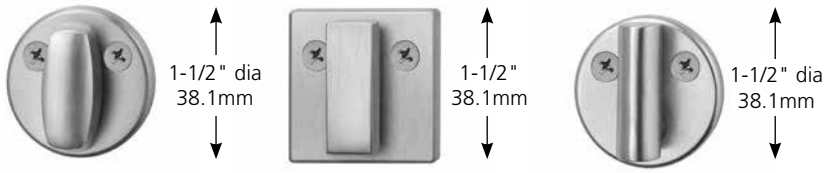
E4 Rose[2]
Wrought



L Escutcheon
Cast Brass

R Escutcheon
Solid Stainless Steel
or Forged Brass

Thumbturns[3]

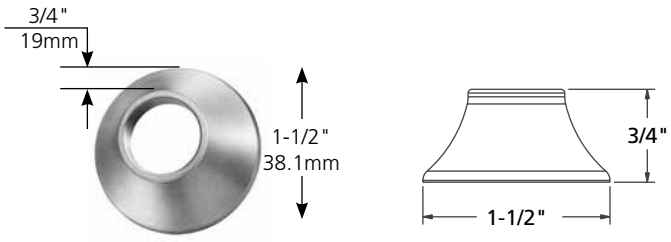


MT1

MT2

MT3

Inspire™ Roseless Trim



Brass or Stainless Steel

Notes:

1. Roses and Inspire trim are only available with *Muséo* levers.
2. Square cylinder collar and thumbturn backplate automatically supplied with E2, E3 and E4 roses.
3. Thumbturn back plate will match shape of rose chosen (i.e. round or square).
4 MT1, MT2 and MT3 are not available with M19VN occpuany indicator.
5. L & R escutcheons not available with functions ML2087 or ML20987

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Inspire™ Roseless Trim

ML2000, ML20900 ECL and ML20600 NAC Series

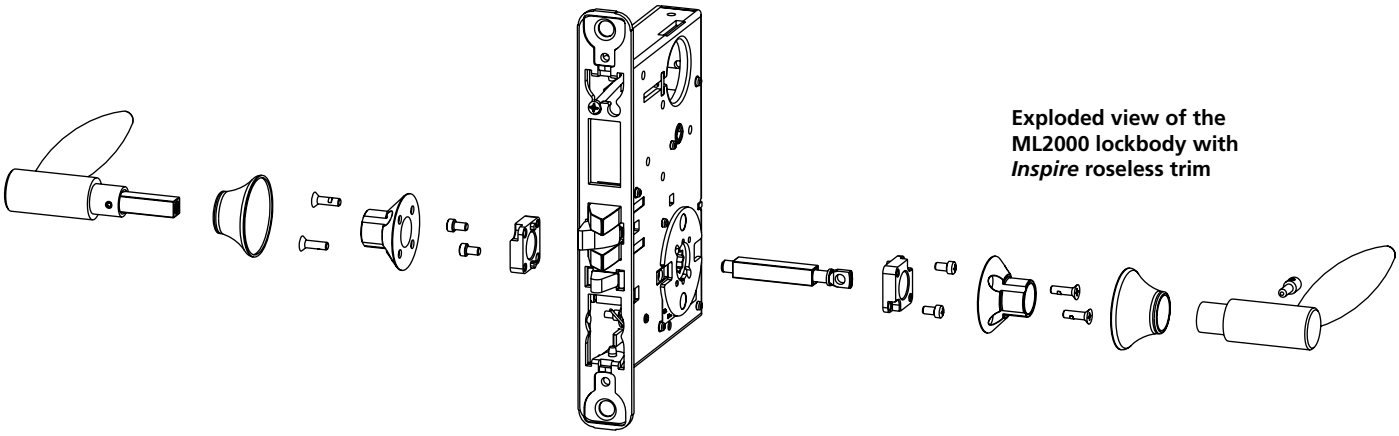


Inspire™ Roseless Trim

Inspire roseless trim blends the lever and the door creating an artful apprach to every opening. Offered with most Muséo® decorative levers, this exquisite trim will inspire the creation of beautiful openings.

Features:

- Certified to and exceeds ANSI/BHMA A156.13, Series 1000, Operational Grade 1 and Security Grade 1
- Attachment method similar to standard trim
- Available with all mortise lock functions
- Compatible with most Muséo Line levers (except 104, 111, 113, 121, Josef, Georges and Piet levers)
- Selected levers return within 1/2" of the door face
- All standard cylinder options are available
- Available for 1-3/4", 2" and 2-1/4" thick doors only (contact factory for other door thicknesses)



Exploded view of the ML2000 lockbody with *Inspire* roseless trim

How to Order
Inspire Roseless Trim

Quantity	Series/Function	Trim*	Finish	Hand
50	ML2055	102J	626	RHR

***Specify J for the rose when ordering *Inspire* roseless trim.**

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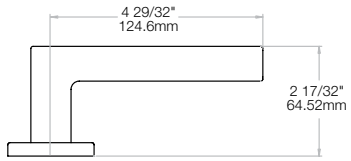
Georgia

Timeless elegance in forms inspired by the natural world.

Laser Engraving offered on 102, 103, 124 and 125. See Custom Laser Engraving brochure for details.

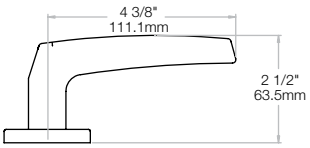


102
Lever: Cast
Non-Handed lever



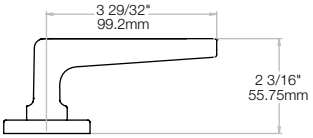


103
Lever: Cast
Non-Handed lever



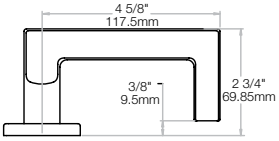


104[2,4]
Lever: Cast
Non-Handed lever



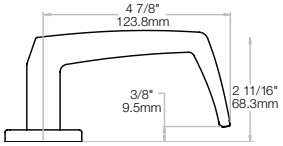


124[1]
Lever: Cast
Non-Handed lever





125[1]
Lever: Cast
Non-Handed lever



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available with Inspire™ roseless trim.
3. Contact factory for current lead times.
4. Not available in 32 or 32D finish

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CL3100.42

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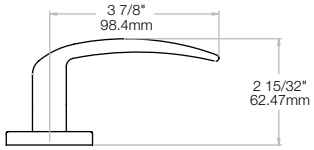


Pablo

Diminutive, yet distinctive and striking in style.

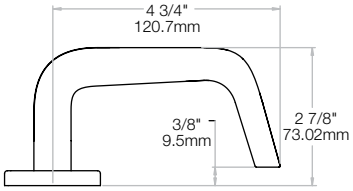


117[2]
Lever: Cast
Non-Handed lever





126[1,2]
Lever: Cast
Handed - Specify hand
Non-Reversible



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available in 32 or 32D finish

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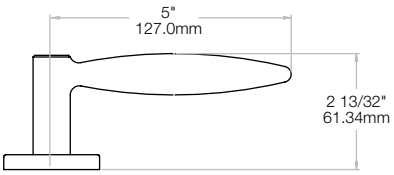


Jackson

Intuitive shapes, moving with the energetic rhythm of modern life.

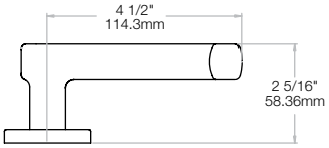


105[3,4]
Lever: Cast
Non-handed lever



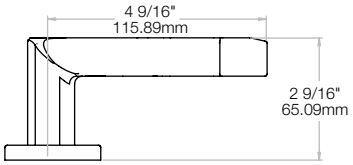


119[4]
Lever: Cast
Handed - Specify hand
Non-Reversible



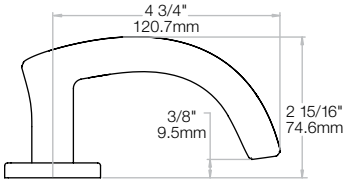


121[2,4]
Lever: Cast
Handed - Specify hand
Non-Reversible





127[1,4]
Lever: Cast
Handed - Specify hand
Non-Reversible



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available with Inspire™ roseless trim.
3. Contact factory for current lead times.
4. Not available in 32 or 32D finish

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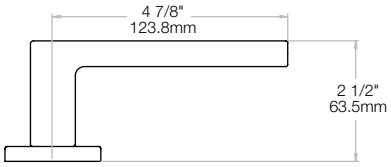


Salvador

Dreamlike beauty manifested in solid, familiar forms.

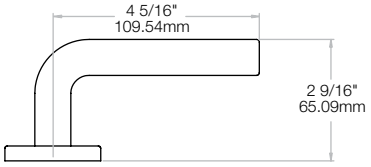


106
Lever: Cast
Non-handed lever



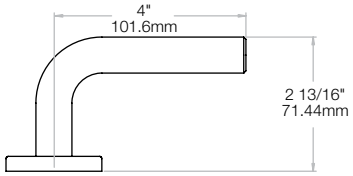


107
Lever: Cast
Non-handed lever



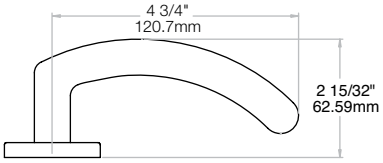


108
Lever: Cast
Non-handed lever





109
Lever: Cast
Non-Handed lever



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Muséo® Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series

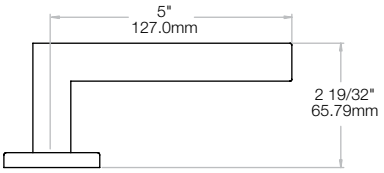


Salvador

Dreamlike beauty manifested in solid, familiar forms.

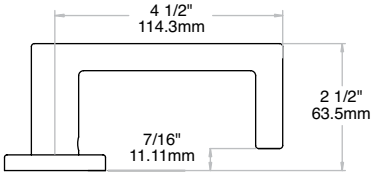


110
Lever: Cast
Non-handed lever



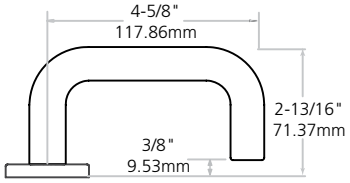


123[1]
Lever: Cast
Non-handed lever





128[1]
Lever: Cast
Non-handed lever



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

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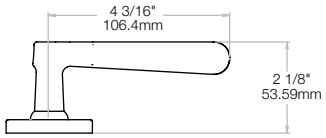


Marc

Fluid lyricism expressed through whimsical lines and dynamic contours.

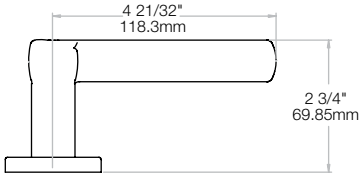


111[1,2]
Lever: Cast
Handed - Specify hand
Non-Reversible



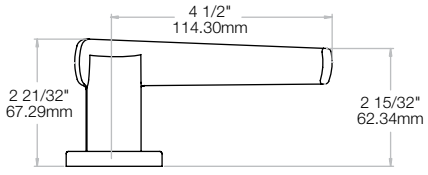


112[2]
Lever: Cast
Handed - Specify hand
Non-Reversible





114[2]
Lever: Cast
Handed - Specify hand
Non-Reversible



1. Not available with Inspire™ roseless trim.
2. Not available in 32 or 32D finish

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Muséo® Trim Designs

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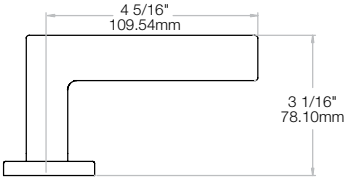


Marc

Fluid lyricism expressed through whimsical lines and dynamic contours.

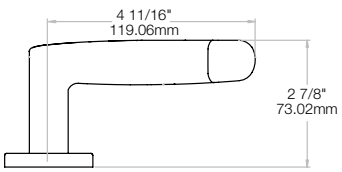


115[2]
Lever: Cast
Handed - Specify hand
Non-Reversible



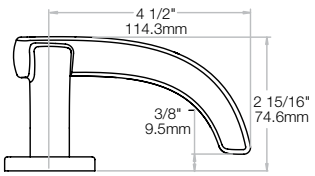


116[2]
Lever: Cast
Handed - Specify hand
Non-Reversible



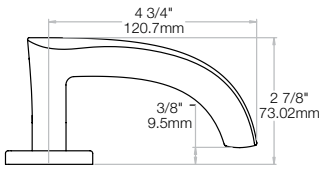


130[1,2]
Lever: Cast
Handed - Specify hand
Non-Reversible



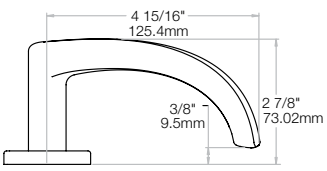


131[1,2]
Lever: Cast
Handed - Specify hand
Non-Reversible





132[1,2]
Lever: Cast
Handed - Specify hand
Non-Reversible



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available in 32 or 32D finish

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Muséo® Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



Piet*

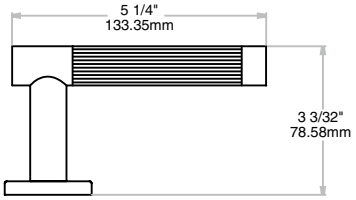
Striking levers with sleek, clean lines.

*** Refer to page 76 for how to order the Muséo® Piet Lever Collection. Not available with Inspire™ roseless trim.**



21G

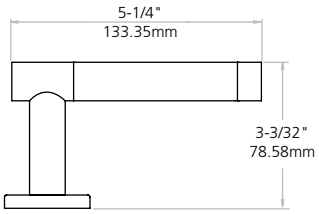
Grooved Insert
Lever: Cast
Non-Handed Lever





21L

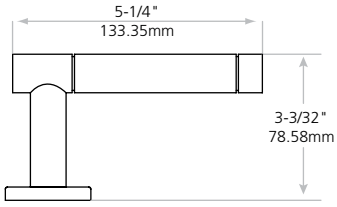
Leather Insert
Lever: Cast
Non-Handed Lever





21M

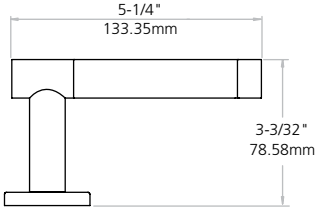
Polished with Satin Insert
Lever: Cast
Non-Handed Lever





21S

Santoprene™ Insert
Lever: Cast
Non-Handed Lever

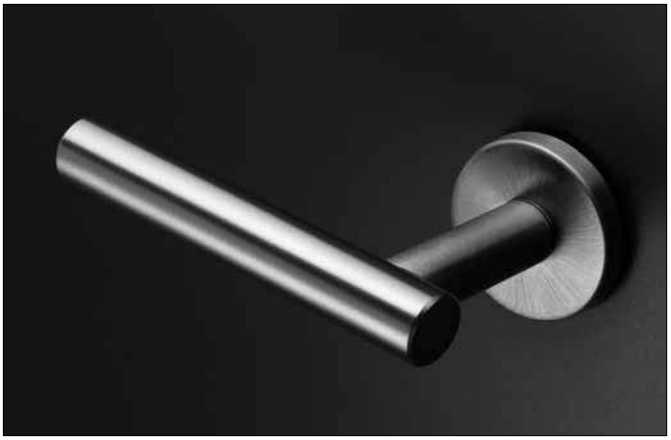


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ASSA ABLOY

Muséo® Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



Piet*

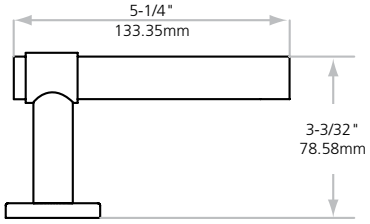
Striking levers with sleek, clean lines.

*** Refer to page 76 for how to order the Muséo® Piet Lever Collection. Not available with Inspire™ roseless trim.**



23M

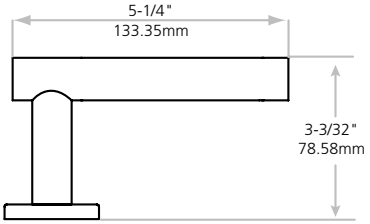
With Raised Band
Lever: Cast
Non-Handed Lever





25M

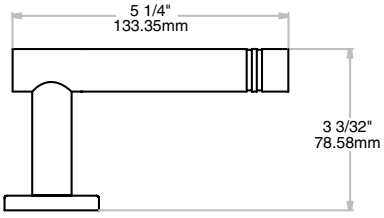
Plain
Lever: Cast
Non-Handed Lever





27M

Plain with Two Grooves
Lever: Cast
Non-Handed Lever



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Muséo® Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series

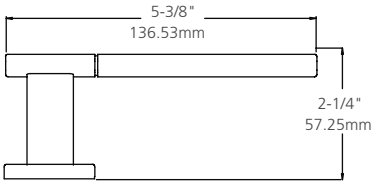


Josef[2/3]

Tribute to the square with beautifully simple, but dramatic forms.

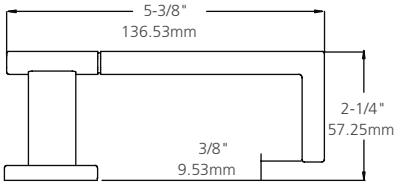


133
Lever: Cast
Non-Handed lever





134[1]
Lever: Cast
Non-Handed lever



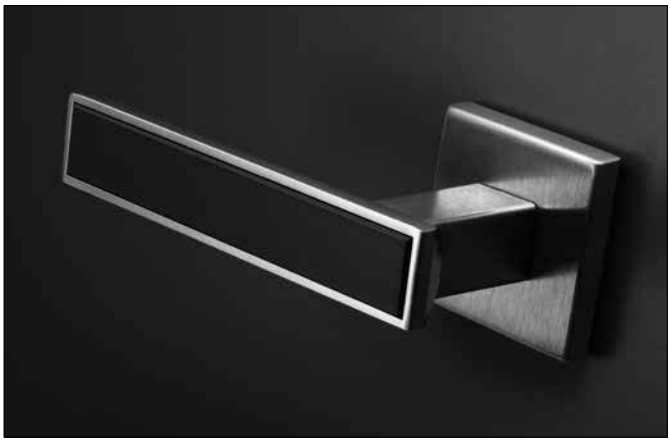
1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available with Inspire™ roseless trim.
3. 135-138 contain white or black polycarbonate insert

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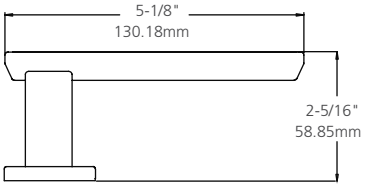


Josef[2/3]

Tribute to the square with beautifully simple, but dramatic forms.

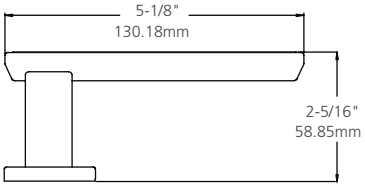


135
Lever: Cast
Non-Handed lever



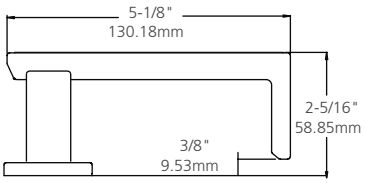


136
Lever: Cast
Non-Handed lever



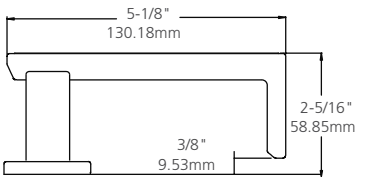


137[1]
Lever: Cast
Non-Handed lever





138[1]
Lever: Cast
Non-Handed lever



1. **Complies with codes requiring lever to return to within 1/2" (13mm) of door face.**
2. **Not available with Inspire™ roseless trim.**
3. **135-138 contain white or black polycarbonate insert**

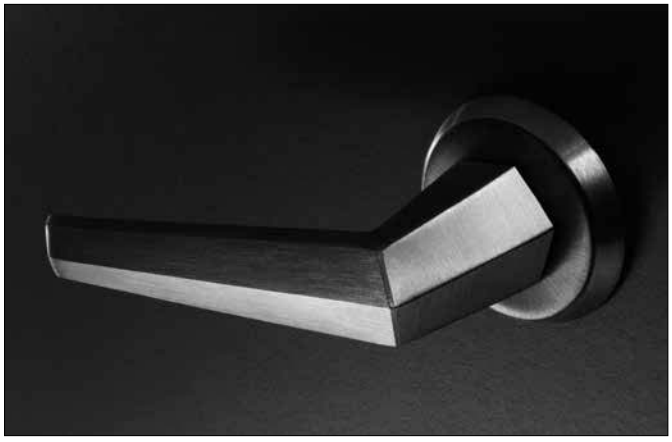
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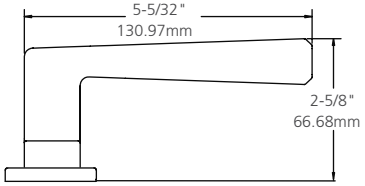


Georges[2]

Structural pieces that evoke an emotional response with sophisticated design.

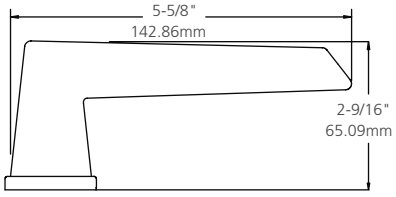


139
Lever: Cast
Non-Handed lever



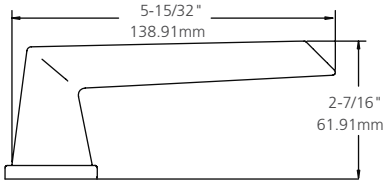


140
Lever: Cast
Handed lever





141
Lever: Cast
Non-Handed lever



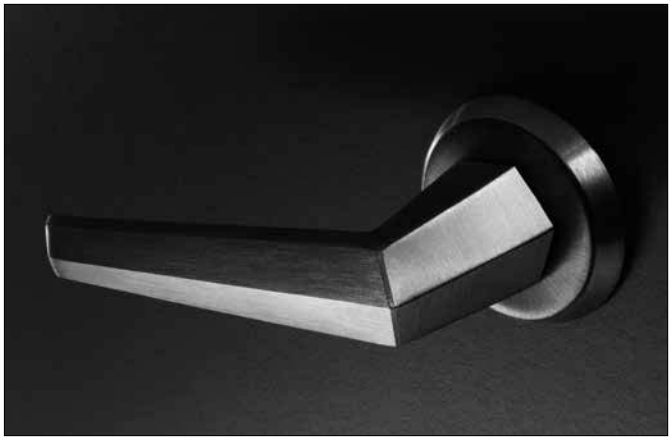
2. Not available with Inspire™ roseless trim.

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Muséo® Trim Designs

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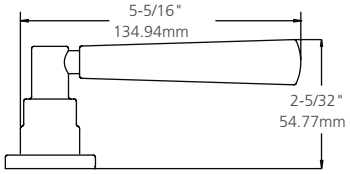


Georges[2]

Structural pieces that evoke an emotional response with sophisticated design.

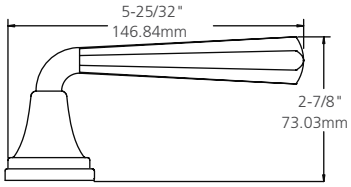


142
Lever: Cast
Non-Handed lever





143
Lever: Cast
Non-Handed lever



2. Not available with Inspire™ roseless trim.

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Vineyard™ Collection Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



Vineyard™ collection

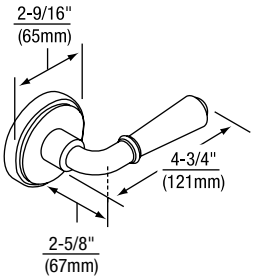
Merlot

Like its namesake, the Merlot blends with — and enhances — any decor.



MSG

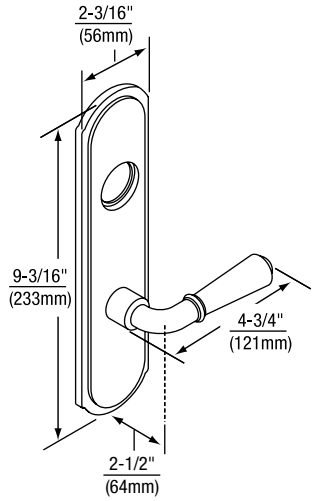
Lever: Cast
Rose: Cast





MSL

Lever: Cast
Escutcheon: Cast
Note: L escutcheon is not available for functions ML2087 or ML20987



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Vineyard™ Collection Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



Vineyard™ collection

Zinfandel

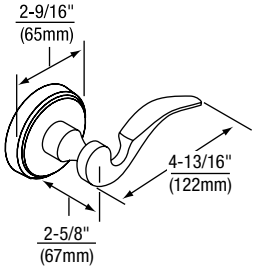
Vigorous and complex in design, the Zinfandel adds finesse to any opening.

- Handed Levers



ZSG

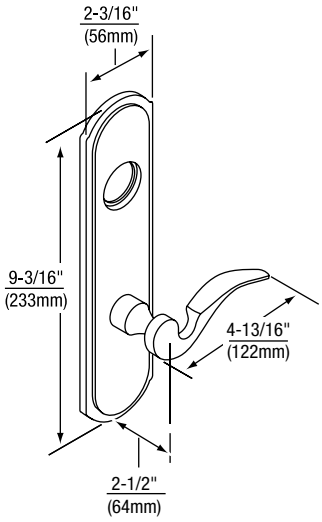
Lever: Cast
Rose: Cast
Specify hand.





ZSL

Lever: Cast
Escutcheon: Cast
Specify hand.
Note: L escutcheon is not available for functions ML2087 or ML20987



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Vineyard™ Collection Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series



Vineyard™ collection

Frascati

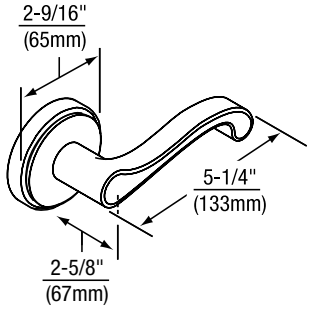
Fresh yet classic, the Frascati exudes the casual, timeless elegance of the Roman hills.

- Non-Reversible
- Handed Levers



FSG

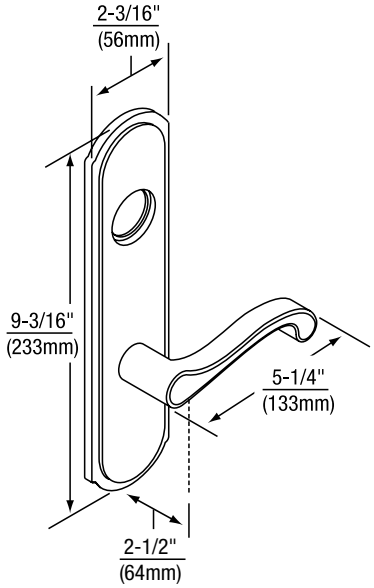
Lever: Cast
Rose: Cast





FSL

Lever: Cast
Escutcheon: Cast
Note: L escutcheon is not available for functions ML2087 or ML20987



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Corbin Russwin
ASSA ABLOY

Vandal Resistant Trim

ML2000 Series

ML2000VR Series Vandal-Resistant Mortise Trim

Applications

Designed for high-traffic commercial, industrial, institutional and government buildings that require a greater degree of security and vandal resistance not found on other mortise trims. Applications may include:

- Schools and universities
- Computer rooms
- Hospital pharmacies
- Banks
- Storage facilities
- Government installations
- Prisons and detention facilities
- Evidence rooms
- Weapons storage

Advantages

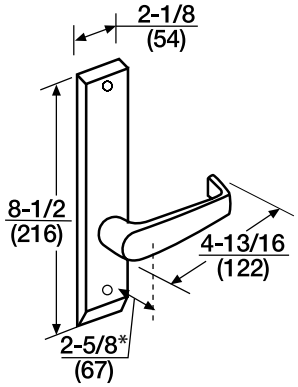
- Flush-mounted conventional fixed core cylinder
- Cast escutcheons and levers; double through-bolted
- Torx® pin tamper resistant security screws
- Armored front to protect against tampering
- Free-floating spindle self-adjusts for door thicknesses from 1-3/4" to 2-1/4"
- Levers remain attached if spindle is broken



Newport

NSV

Lever: Cast stainless steel
Escutcheon: Cast stainless steel
Door thickness: 1-3/4" (44mm) standard, 2" (51mm) specify D200, 2-1/4" (57mm) specify D214

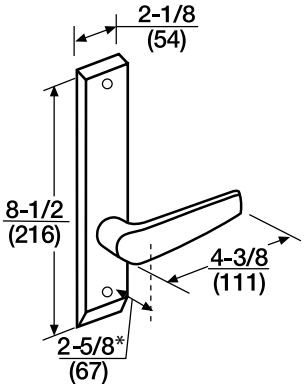




Citation

CSV

Lever: Cast stainless steel
Escutcheon: Cast stainless steel
Door thickness: 1-3/4" (44mm) standard, 2" (51mm) specify D200, 2-1/4" (57mm) specify D214



Notes:
- This trim only available for ML2000VR and ML20900VR locksets.
- Only available in 630 (US32D) finish.
- Not available with all functions. See pages 5-9 and 15-16 for complete offering.

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ASSA ABLOY

Behavioral Health Trim

ML2000 Series



BHSS*

Part of the Behavioral Health Series™ of products, the ML2000 Series mortise lock with BHSS trim provides an innovative solution for behavioral health environments. The unique integrated lever and escutcheon combines aesthetics with safety. Ease of operation, along with the strength and versatility of the ML2000 Series mortise lock allows its use in many applications.

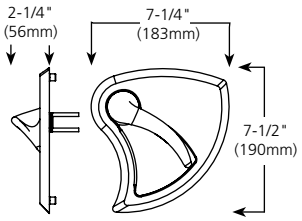
Refer to the Specialty Hardware Catalog (45205) for more information.





BHSS

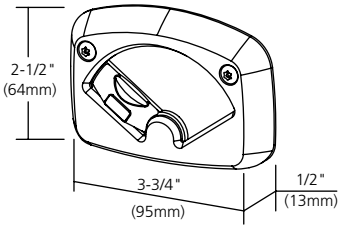
Stainless Steel
Finishes: 630, 630C



Thumbturn

Stainless Steel
Door thickness: 1-3/4" (44mm)
through 2-1/4" (57mm)

(Not available with Occupancy Indicator)



How to Order

BHSS

Quantity	Series/Function	Trim	Finish	Hand
100	ML2010	BHSS	630	RHR

**Although these products are better designed for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.*

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Corbin Russwin
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Behavioral Health Lever Trim

ML2000 Series



BLSS*

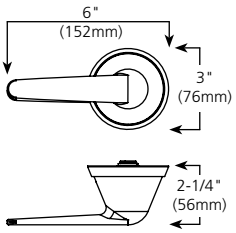
The BLSS trim is part of the Behavioral Health Series™ of products. With an array of functions, this trim can be used on virtually any opening in healthcare applications. Sloping surfaces and overlapping rose and lever address safety concerns common in behavioral health. Optimal for tough environments, the ML2000 Series mortise lock provides impressive strength and reliability.

Refer to the Specialty Hardware Catalog (45205) for more information.



BLSS

Stainless Steel
Finishes: 630, 630C

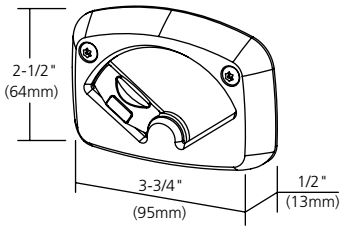




Thumbturn

Stainless Steel
Door thickness: 1-3/4" (44mm) through 2-1/4" (57mm)

(Not available with Occupancy Indicator)



How to Order

BLSS

Quantity	Series/Function	Trim	Finish	Hand
100	ML2010	BLSS	630	RHR

**Although these products are a better design for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.*

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Corbin Russwin
ASSA ABLOY

Push/Pull Trim

ML2000 Series



HPSK

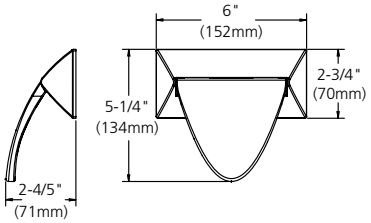
The ML2000 Series mortise lock with push/pull paddle trim provides an aesthetically pleasing alternative to products with standard push/pull trim. Its heavy-duty design and ANSI/BHMA Grade1 strength help it to withstand abuse from rigorous environments. Multiple mounting orientations, hands free operation and a sleek, aesthetic form, make the ML2000 Series mortise lock ideal for use in healthcare facilities and educational facilities.

Refer to the Specialty Hardware Catalog (45205) for more information.



HPSK

Covers: Cast stainless steel
Paddles: Cast stainless steel
Specify hand.
Finishes: 630, 630C

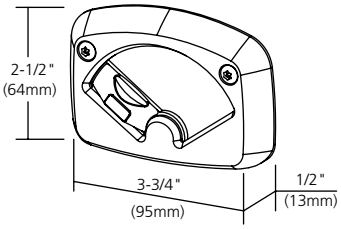




Thumbturn

Stainless steel
Door thickness: 1-3/4" (44mm)

(Not available with Occupancy Indicator)





Laser Engraving

Stainless steel
Offered on all 3 paddle orientations
2-1/2" w x 2-1/2" h max laser engraving area
(See Custom Laser Engraving brochure for more details)

How to Order

HPSK Push/Pull*

Quantity	Series/Function	Trim	Finish	Hand
100	ML2010	HPSK	630	RHR

**Available on 1-3/4" door thickness only*

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Anti-Harm Trim

ML2000 Series



Anti-Harm Knob HSS*

The anti-harm knob is designed for safety and security by eliminating catch points with a tapered knob recessed into the rose, a tapered thumbturn (for mortise lock thumbturn functions) with Torx® pin security screws, tapered cylinder collars and concealed mounting screws. Available as sectional trim, the anti-harm knob features recessed finger holes for a better grip and the reliability of the ML2000 Series ANSI/BHMA grade 1 mortise lock. Ideal for psychiatric or detention facilities.

Refer to the Specialty Hardware Catalog (45205) for more information.

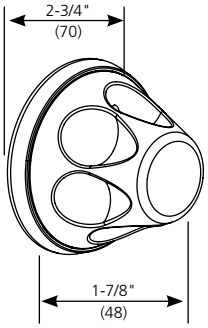


Anti-Harm Knob HSS

Brass

Knob: Brass
Door thickness: 1-3/4" (44mm) through 4" (102mm) in 1/4" increments.
Finishes: 630, 630C

Notes: On lever trim x HSS Knob, the outside lever will be retained with a set screw.
HSS Knob is only available with the rose shown. No optional roses or escutcheons.
Knob and rose are nickel plated to match stainless steel.

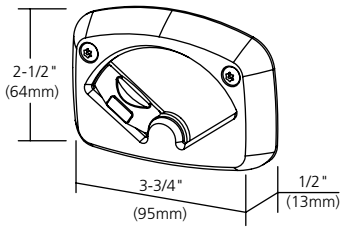




Thumbturn

Standard for all ML2000 x HSS thumbturn functions

(Not available with Occupancy Indicator)



How to Order

Anti-Harm Knob (HSS) Trim – HSS Knob x HSS Knob

Quantity	Series/Function	Trim	Finish	Hand
6	ML2032	HSS	630^	RH

Anti-Harm Knob (HSS) Trim – Lever Trim x HSS Knob

Quantity	Series/Function	Trim		Finish	Hand
		Outside	Inside		
6	ML2055	NSA	HSS	630C^	RH

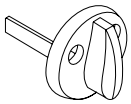
**Although these products are a better design for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.*
^619 finish provided to match 630 finish

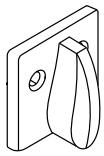
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Options & Accessories

ML2000 Series





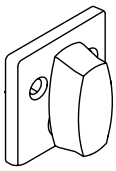
Standard Thumbturn

Cast brass or bronze. Standard on functions utilizing thumbturn. Sectional Trim.
Turn Size: 1-1/4" (32mm)
Spindle Size: 3/16" (5mm)
Plate Size: 1-3/8" (35mm)
Surface screw mounted To order separately, see table.

- Available with Standard, Muséo and Vineyard levers
- Rose design will designate shape of thumbturn backplate
  - E2, E3 and E4 roses - square backplate

Door	Packet	
	Round	Square
1-3/8" (35mm)	519F09 x FIN	814F10 x FIN
1-3/4" (44mm)	519F10 x FIN	814F11 x FIN
2-1/4" (57mm)	519F11 x FIN	814F12 x FIN
Up to 4" (102mm)	581F96 x FIN	814F13 x FIN



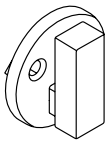


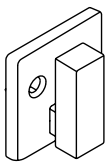
Decorative Thumbturn MT1*

Cast bronze or stainless steel. Used on functions utilizing a thumbturn. Sectional trim only.
To order with lock and trim, specify Quick Code MT1.
To order separately, see table.
Turn Size: 1-3/10" (33mm)
Plate Size: 1-1/2" (38.1mm)

- Available with Standard, Muséo and Vineyard levers
- Rose design will designate shape of thumbturn backplate
  - Round roses - round backplate
  - E2, E3 and E4 roses - square backplate

Door	Packet	
	Round	Square
1-3/8" (35mm)	723F70M x FIN	723F71M x FIN
1-3/4" (44mm)	723F76M x FIN	723F77M x FIN
2-1/4" (57mm)	723F88M x FIN	723F89M x FIN
Up to 4" (102mm)	723F82M x FIN	723F83M x FIN





Decorative Square Thumbturn MT2*

Cast bronze or stainless steel. Used on functions utilizing a thumbturn. Sectional trim only.
To order with lock and trim, specify Quick Code MT2.
To order separately, see table.
Turn Size: 1-3/10" (33mm)
Plate Size: 1-1/2" (38.1mm)

- Available with Standard, Muséo and Vineyard levers
- Rose design will designate shape of thumbturn backplate
  - Round roses - round backplate
  - E2, E3 and E4 roses - square backplate

Door	Packet	
	Round	Square
1-3/8" (35mm)	723F72M x FIN	723F73M x FIN
1-3/4" (44mm)	723F78M x FIN	723F79M x FIN
2-1/4" (57mm)	723F90M x FIN	723F91M x FIN
Up to 4" (102mm)	723F84M x FIN	723F85M x FIN

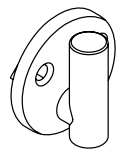
*Not available with M19VN occpuany indicator.

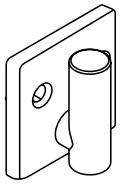
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Options & Accessories

ML2000 Series



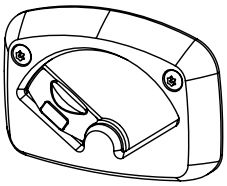


Decorative Cylinder Thumbturn MT3*

Cast bronze or stainless steel. Used on functions utilizing a thumbturn. Sectional trim only.
To order with lock and trim, specify Quick Code MT3.
To order separately, see table.
Turn Size: 1-3/10" (33mm)
Plate Size: 1-1/2" (38.1mm)

- Available with Standard, Muséo and Vineyard levers
- Rose design will designate shape of thumbturn backplate
  - Round roses - round backplate
  - E2, E3 and E4 roses - square backplate

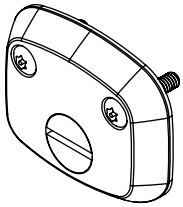
Door	Packet	
	Round	Square
1-3/8" (35mm)	723F74M x FIN	723F75M x FIN
1-3/4" (44mm)	723F80M x FIN	723F81M x FIN
2-1/4" (57mm)	723F92M x FIN	723F93M x FIN
Up to 4" (102mm)	723F86M x FIN	723F87M x FIN



Thumbturn for BHSS, BLSS, HSS, HPSK

Stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 3-3/4" (95mm) x 2-1/2" (64mm)

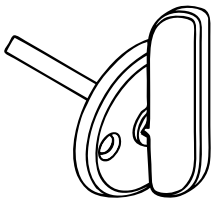
Door Thickness	Packet
1-3/4" (44mm)	851F617
2" (51mm)	851F637
2-1/4" (57mm)	851F647



Emergency Turn for BHSS, BLSS, HSS, HPSK

Stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 3-3/4" (95mm) x 2-1/2" (64mm)

Door Thickness	Packet
1-3/4" (44mm)	851F677
2" (51mm)	851F687
2-1/4" (57mm)	851F697



Ergonomic Thumbturn

Cast brass or bronze. Large profile and offset center makes it easier to grasp and rotate. Available on both sectional and escutcheon trim. To order with lock and trim, specify Quick Code M34. To order separately, see table.

Note: Not available with the M19N, M19SN, or M19VN indicators. Not available with HPSK trim.

Door	Packet
Escutcheon Trim up to 4" (102mm)	711F002
Sectional Trim	
1-3/8" (35mm) - 1-5/8" (41mm)	707F57 x FIN
1-3/4" (44mm) - 2" (51mm)	707F58 x FIN
2" (51mm - 2-1/4" (57mm)	707F59 x FIN
2-3/8" (60mm) - 3" (76mm)	707F60 x FIN
3" (76mm) - 4" (102mm)	706F70 x FIN

*Not available with M19VN occpuany indicator.

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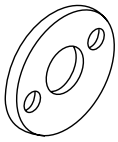
Options & Accessories

ML2000 Series



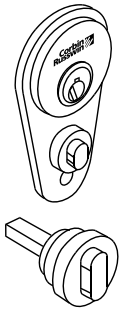
Blank Plate

For use on doors where standard thumbturn is no longer used. To order, specify 696F39 x Finish.



Key Plate

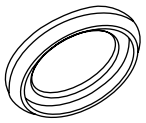
Cast brass or bronze. Standard for privacy function with emergency release only. Sectional Trim.
Plate Size: 1-3/8"(35mm) diameter. To order separately, specify Packet 438F90 x Finish.



Hotel Occupancy Indicators

For use with ML2029 hotel locks. Furnished only when ordered. When door is locked from inside, push button cannot be depressed, indicating that the room is occupied. To order specify quick code M19.
For use with sectional trim designs having 2-7/8" (73mm) maximum rose diameter. Cylinder collar and indicator combined.
Size: 3-1/16" (78mm) x 1-3/4" (44mm). To order separately, see table. For use with escutcheon designs only. Indicator is fastened to escutcheon at factory. It is included for illustration purposes only and is not sold separately.

Collar and Indicator Assembly	
Door	Packet
1-3/8" (35mm)	429F08 x FIN
1-3/4" (44mm)	416F84 x FIN
2-1/4" (57mm)	484F74 x FIN



Tapered Cylinder Collar

Furnished only for CSV or NSV trims with 1-1/4" cylinders, double cylinder functions or with 1-1/2" cylinders, single cylinder functions.*

*1-3/4" thick doors. Only used with VR trims.

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ASSA ABLOY

Options & Accessories

ML2000 Series

Occupancy Indicators*

Occupancy indicators for use with ML2000 x sectional trim. Design features option for dual indicators on double cylinder functions, confirming door is secured from either side. Emergency override standard for all non keyed functions.

Features:

- Design eliminates unauthorized entry via indicator tampering
- Non keyed indicators available with emergency slot turn override
- Use with both keyed and non-keyed functions
- For use outside, inside or both sides of door
- Choose outside indicator text: Vacant/Occupied or Secure/Unsecure
- Inside indicators always read Secure/Unsecure
- Torx pin security fasteners (standard with cylinder indicators)

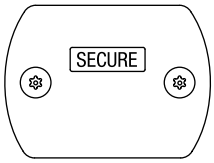


Indicators – Keyed Functions

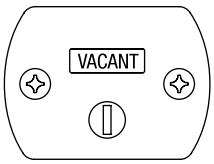
- Can be used on either side of door for double cylinder functions
- Compatible with select sectional trim rose designs: A, B, E3, H, J, W, X, Y
- Not available with Master Ring cylinders

Secure (M19S)	
Door	Packet
1-3/8" (35mm)	720F21 x Finish
1-3/4" (44mm) - 2" (51mm)	720F22 x Finish
2-1/4" (57mm)	720F24 x Finish
Over 2-1/4" (57mm)	720F25 x Finish

Vacant (M19V)	
Door	Packet
1-3/8" (35mm)	741F21 x Finish
1-3/4" (44mm) - 2" (51mm)	741F22 x Finish
2-1/4" (57mm)	741F23 x Finish
Over 2-1/4" (57mm)	741F24 x Finish



Inside Indicator



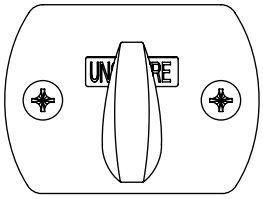
Outside Indicator

Indicators – Non Keyed Functions

- Inside Indicator always reads Secure/Unsecure
- Outside Indicator features slot-turn emergency override
- Compatible with all sectional trim rose designs: A, B, E2, E3, E4, F, G, H, J, T, U, V, W, X, Y

Secure (M19S)	
Door	Packet
1-3/8" (35mm)	721F16 x Finish
1-3/4" (44mm) - 2" (51mm)	721F17 x Finish
2-1/4" (57mm)	721F18 x Finish
Over 2-1/4" (57mm)	721F19 x Finish

Vacant (M19V)	
Door	Packet
1-3/8" (35mm)	720F61 x Finish
1-3/4" (44mm) - 2" (51mm)	720F62 x Finish
2-1/4" (57mm)	720F64 x Finish
Over 2-1/4" (57mm)	720F65 x Finish



Thumbturn Indicator (M19N)

- Located on the inside of the door and reads secure/unsecure
- Built into the occupancy indicator
- Only available in ML2013, ML2017, ML2020, ML2024, ML2029, ML2030, ML2048, ML2049, ML2060, ML2065, ML2067, ML2068, ML2069 and ML2075 functions

Door	Packet
1-3/8" (35mm)	723F69 x Finish
1-3/4" (44mm) - 2" (51mm)	723F26 x Finish
2-1/4" (57mm)	791F59 x Finish
Over 2-1/4" (57mm)	791F60 x Finish

** Not available with BHSS or BLSS Trim*

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Occupancy Indicator Quick Codes and Functions

Quick Code	Outside	Inside	ML2002	ML2003	ML2011	ML2012	ML2013	ML2017	ML2020	ML2022	ML2024	ML2029	ML2030	ML2048	ML2049	ML2059	ML2060	ML2062	ML2065	ML2067	ML2068	ML2069	ML2072	ML2073	ML2075	ML2082	ML2092	ML20608	ML20609
Single Indicator																													
M19S	Secure/Unsecure	—	X	X	X	X	X	X		X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
M19V	Vacant/Occupied	—	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
M19N	—	Secure/Unsecure	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Double Indicator																													
M19SN	Secure/Unsecure	Secure/Unsecure	X	X	X	X	X	X		X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
M19VN*	Vacant/Occupied	Secure/Unsecure	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

*Not available with MT1, MT2 and MT3 thumbturns.

How to Order:

ML2060 x NSA x 626 x RH x M19V

Non keyed function x sectional trim x outside indicator with slot turn (text reads Vacant/Occupied)

ML2072 x NSA x 626 x RH x M19SN x PHS x KA

Double cylinder x sectional trim x outside indicator (Secure/Unsecure) x inside indicator (Secure/Unsecure) x keyed alike

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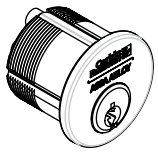
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Options and Accessories

ML2000, ML20900 ECL and ML20600 NAC Series

Cylinders

2 nickel silver keys
Finishes: See Key Systems catalog





Interchangeable Core (I.C.) Shown

Mortise Cylinder Type	Quick Code	Hotel Function	42 (inside) 52, 53, 55, 56, 58, 69 Functions	All Other Keyed and 42 (outside) Functions
Access 3® Patented	AP	1501-114-A01	1500-114-A02	1500-114-A01
Access 3® Security	AS	1601-114-A01	1600-114-A02	1600-114-A01
Access 3® High Security	AHS	1701-114-A01	1700-114-A02	1700-114-A01
Access 3® Patented IC	ACP	N/A	1580-114-A02	1580-114-A01
Access 3® Security IC	ACS	N/A	1680-114-A02	1680-114-A01
Access 3® High Security IC	ACHS	N/A	1788-114-A02	1788-114-A01
Pyramid HS	PHS	N/A	1020-114-A02	1020-114-A01
Pyramid HS IC	PCHS	N/A	1030-114-A02	1030-114-A01
Pyramid Security	PS	N/A	1027-114-A02	1027-114-A01
Pyramid Security IC	PCS	N/A	1037-114-A02	1037-114-A01
Conventional 6-pin	N/A	1001-114-A01	1000-118-A02	1000-118-A01
Conventional 7-pin	7P	N/A	1000-114-A02-7	1000-114-A01-7
6-pin IC	C6	1081-138-A01	1080-114-A02	1080-114-A01
7-pin IC	C7	N/A	1080-112-A02-7	1080-112-A01-7
Security	HS	1011-114-A01	1010-118-A02	1010-118-A01
Security IC	CHS	1091-138-A01	1090-114-A02	1090-114-A01
Flex head 6-pin	FX6	1101-118-A01	1100-100-A02	1100-100-A01
Flex head 7-pin	FX7	N/A	1100-118-A02-7	1100-118-A01-7
Master ring**	MR	N/A	1060-118-A62	1060-118-A61
Master ring flex head**	FXM	N/A	1160-100-A62	1160-100-A61
Plug only to show-6-pin	P06	1201-114-A01	1200-118-A02	1200-118-A01
Plug only to show 7-pin	P07	N/A	1200-114-A02-7	1200-114-A01-7

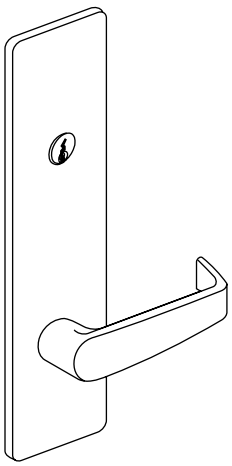
To order optional cylinder with lockset, see Quick Codes, page 70.
To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 1000-118-A01 x L4 x 626).

(VR) Indicates function is available with vandal resistant ML2000VR lockset.

**Not available for the following functions: ML2017, ML2029, ML2032, ML2068, ML20900, ML20600 x NAC.
Available for "M" escutcheon and sectional trim only.
Note: Master ring cylinder meets ANSI/BHMA operational Grade 1.

Plug only to show (concealed shell)

Only the cylinder plug face is visible when lock trim is in place. Available with "M", "R", and "L" escutcheons. See individual trim designs for availability.



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Options and Accessories

ML2000, ML20900 ECL and ML20600 NAC Series

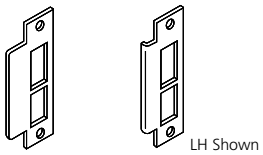
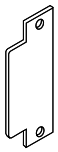
Strikes

ANSI Straight Lip (standard)

Brass, bronze or stainless steel
Non-handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center (standard)
Optional lip lengths: 7/8" (22mm), 1" (25mm), , 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

ANSI Curved Lip

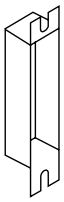
Brass, bronze or stainless steel
Handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center (standard)
Optional lip lengths: 1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

	Part No.	Description
Note: Only Available with ML2000	236L72	Straight Lip
 LH Shown All Functions	340L60	Curved Lip for RH/LHR
	340L61	Curved Lip for LH/RHR
 Blank Filler Plate	236L70	Straight Lip

To order strike with lockset, see How to Order, page 73.
To order strike separately, specify Part No. x Lip Length x Finish (e.g., 340L60 x 1-1/2" x 626).

ANSI Wrought Strike Box

To order with lockset, see Quick Codes, page 76.
To order separately, specify 120F76.

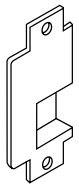


Open Back

Size: 5-1/4" (133mm) x 1/4" (32mm).

Hand	Door Thickness	Part
RHR	1-3/4" (44mm)	411L62 016
	2" (51mm)	411L62 018
	2-1/4" (57mm)	411L62 020
LHR	1-3/4" (44mm)	411L63 016
	2" (51mm)	411L63 018
	2-1/4" (57mm)	411L63 020

To order with lockset, see Quick Codes, page 76. To order separately, specify Part No. x Door Thickness x Finish (e.g., 411L62 x 2" x 626).

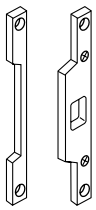


Rabbeted Front and Strike

Brass or bronze
For 1/2" (13mm) rabbet
No optional lip lengths

	Part No.	Hand
Latchbolt x Deadbolt	318F66 318F69	RH/LHR LH/RHR
Latchbolt only	318F64 318F67	RH/LHR LH/RHR
Deadbolt only	318F65 318F68	RH/LHR LH/RHR

To order with lockset, see Quick Codes, page 76.
To order separately, specify Part No. x Finish (e.g., 318F66 x 626).



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Options and Accessories

ML2000 Series, ML20900 ECL and ML20600 NAC

BPS Power Supply

Operation

Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. All modular power supplies are designed to meet UL 1481 Standards. Recommended for the ML20900, delayed egress exit devices and electric trim.

Features

- Fire panel emergency release input
- PC Board mounted system LED indicator
- Regulated and filtered with input and output protection
- Battery charging is provided from a separate output terminal

Electrical Specifications

- Inputs: 115VAC @600mA
- Outputs: 12/24 VDC @ 1 Amp, 1.5 Amp or 4 Amp, Filtered and regulated output

Listings

- UL & cUL listed 1012 General Purpose Power Supply
- Fire & Burglar Alarm Power Supply Unit URT2
- Releasing device Accessory SYSW
- Access Control Systems Units ALVY
- Burglar Alarm Systems Power Supply APHY

Applications

- D – Delayed Egress
- M97 – Electric Dogging
- SAF – Fail Safe mortise device trim control
- SEC – Fail Secure mortise device trim control
- ML20900



Note: Batteries are not included with the BPS power supply

Model	Enclosure	Input	Output
BPS-24-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1 Amp @ 24 VDC
BPS-24-2	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	2 Amp @ 24 VDC
BPS-24-4	15" (381mm) x 18" (457mm) x 6" (152mm)	115VAC, 50/60 Hz.	4 Amp @ 24VDC
BPS-12-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1 Amp @ 12 VDC
BPS-12-3	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	3 Amp @ 12 VDC

Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With *ElectroLynx*, doorway components come pre-wired for easy hookup to the power source. The key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx:

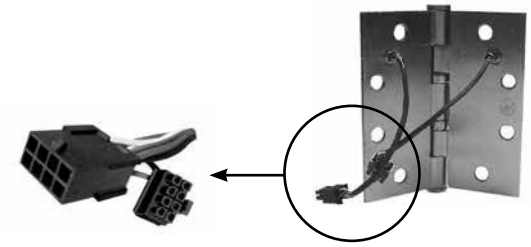
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect a ML20900 electrified mortise lock to the electronic access control system, the following items are required:

- ML20900 electrified mortise lock
- ASSA ABLOY Door Group pre-wired door, or *ElectroLynx* retrofit cable (order from McKinney)
- Electronic transfer device (*ElectroLynx* electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKinney)
- *ElectroLynx* cable from the hinge to above the ceiling (order from McKinney)

Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

The McKinney QC8 ElectroLynx Hinge is recommended for all ML20900 functions and electrified options.



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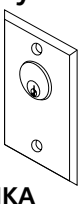
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Electrified Options & Accessories

ML20900 ECL and ML20600 NAC

Exit Controls and Switches

Key Switches



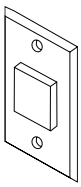
MKA

MKA - (1) SPDT Maintained
MK - (1) SPDT Momentary
MKN - (1) SPDT Momentary NS
MK2 - (1) DPDT Momentary
MKPZ x MKS - (1) SPDT Momentary with audio Double Gang x Additional Switch
Note: All key switches come standard with 12/24 VDC bi-color LED.

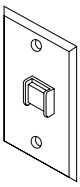
Specifications

- Keyswitch for operation using a standard 1-1/8" mortise cylinder (A02 cam) (cylinder not included).
- Contact Rating 5 Amps @ 12-24VDC
- SPDT 3-position.

Push Buttons



PB2



PB3

PB2 - (1) SPDT Momentary
PB2 - (1) DPST Remote Momentary
PB3 - (1) DPST Momentary
PB3A - (1) DPST Maintained (Alt. Action)
PB3EA - (1) DPST Alternate

Specifications

- 3 Amps @ 12-24 VDC

Indicator

ZLP - (1) Red and Green LED on narrow gang plate.

Audible/Visual Annunciators



PZ1

PZ1 - Sonalert 90db @ 2ft. 12-24VDC. Mounted on one gang stainless steel plate.

Digital Entry

DK-11 - Digital Keypad - 4 User
DK-26SS - Digital Keypad NS - 59 User - SS Finish
DK-26BK - Digital Keypad NS - 59 User - Black Finish

Power Transfers

TSB B-C - Door Cord

Electric Accessories

Description
Power supply 1.0 Amp @ 12 VDC output
Power supply 3.0 Amp @ 12 VDC output
Power supply 1.0 Amp @ 24 VDC output
Power supply 2.0 Amp @ 24 VDC output
Power supply 4.0 Amp @ 24 VDC output

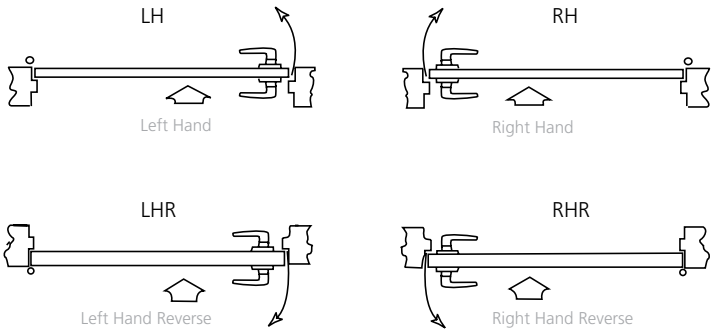
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How to Order

ML2000 Series

Ordering Examples - ML2000 Series



Note: Arrow indicates secure side of door.

Where to find ordering information and Quick Codes

ML2000 Series/Function	5-9
ML20900 ECL Series/Function	13
Trim Designs	14-54
Cylinder and Keying	69
Finish	69
Strikes	70
Miscellaneous Options	70
Door Thickness	70
Handing	71

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
100	ML2055	LWA	626	RHR

Split Trim / Finish Order

Quantity	Series/ Function	Trim		Finish		Hand
		Outside	Inside	Outside	Inside	
12	ML2055	LWA	GRC	626	625	RHR
12	ML2055	ZSL	—	626	625	RHR
24	ML2051	MSG	—	605	625	LH
12	ML2055	102U	—	626	606	RHR
24	ML2051	122R	110R	605	625	LH

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Door Thickness	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	ML2055	LWA	626	RHR	D214	SA200	M17-M26	C7	VKC3
6	AA1	ML2055VR	NSV	630	RH	D214	SS114	M17	PCHS	VKC1

Working Trim Only

Quantity	Function Only	Trim	Finish	Hand	Door Thickness	Misc. Options
6	ML2055	LWA	626	RHR	D214	M31
1	ML2055VR	NSV	630	RH	D214	M31

(Includes grip and spindle, rose or escutcheon, thumbturn lever, emergency key plate, adapters and screws)

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How To Order

ML2000 ECL, ML20900 ECL and ML20600 NAC Series

Lock Only (Includes lock case, armored front, strike and screw pack)

Quantity	Series/ Function	Trim*	Finish	Hand	Door Thickness	Optional Strike	Misc. Options
6	ML2055	LL	626	RHR	D138	SS078	M17

*TRIM KEY

KK Knob x Knob
LL Lever x Lever
LK Lever x Knob
KL Knob x Lever
HL Lever Inside Only
HK Knob Inside Only

Ordering Examples - ML20900 ECL Series

Lock Only (Includes lock case, armored front, strike and screw pack)

Quantity	Series/ Function	Trim*	Finish	Hand	Fail Safe/ Fail Secure	Misc. Options
6	ML20914	LL	626	RHR	SAF	M105

*TRIM KEY
KK Knob x Knob
LL Lever x Lever
LK Lever x Knob
KL Knob x Lever
HL Lever Inside Only
HK Knob Inside Only

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Fail Safe/ Fail Secure	Misc.Options	Optional Cylinder	Keying
24	AA1	ML20914	LWA	626	RHR	SEC	M20	7P	VKC3

Ordering Examples - ML20600 NAC Series

Stock Order

Quantity	Series/Function	Technology Code	Trim	Finish	Hand	Fail-Safe/ Fail-Secure	High Security Monitoring Options
24	ML20608	NAC	111X	626	RHR	SEC	PHRR01

- ML2000 Mortise Lock x NAC x No Cylinder x Deadbolt x Fail-Secure
- Muséo® lever 111 with X rose
- Satin chrome finish
- Right hand reverse
- Deadbolt privacy function, Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision

Stock Order

Quantity	Series/Function	Technology Code	Trim	Finish	Hand	Fail-Safe/ Fail-Secure	High Security Monitoring Options
24	ML20607	NAC	111X	626	RHR	SEC	R03

- ML2000 Mortise Lock x NAC x No Cylinder x No Deadbolt x Fail-Secure
- Muséo® lever 111 with X rose
- Satin chrome finish
- Right hand reverse
- Software House compatible 1KΩ/2KΩ resistance supervision

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How to Order the Muséo® Piet Levers

ML2000 and ML20900 ECL Series



Grooved Insert 21G



Leather Insert 21L



Polished with Satin Insert 21M



Santoprene™ Insert 21S



With Raised Band 23M



Plain 25M



Plain with Two Grooves 27M

Piet Finish Codes

ANSI/BHMA Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
N/A	BH	Wood insert
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	303030, 292929, 293029, 302930, 3E003E, BP00BP, WS00WS
21L	Leather Insert	30BK30, 30BN30, 29BK29, 29BN29, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS, WSBNWS
21M	Metallic Insert	293029, 303030**
21S	Santoprene Insert	30BK30, 29BK29, 3E003E, BS00BS, WS00WS
23M	Raised Band	290030, 290029, 300030, 300029, 3E003E, BS00BS, WS00WS**
25M	Plain	290029, 300030, 3E003E, BS00BS, WS00WS
27M	Two Grooves	290029, 300030, 3E003E, BS00BS, WS00WS

**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

Ordering Examples

Rose Options: E2, E3, E4, T, U, V, W, X, Y
Escutcheon Options: L, R

Quantity	Series/ Function	Trim	Lever Finish	Lock Finish	Hand	Thumbturn Options
2	ML2055	21LU	29BK29	629	RH	MT3
1	ML2051	23ML	290030	629	RH	MT3

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Quick Codes

ML2000, ML20900 ECL and ML20600 NAC Series

Cylinder and Keying

Description	Specify
Conventional 6-pin (VR)	(standard)
Conventional 7-pin (VR)	7P
Less cylinder(s) (VR)	LC
IC 6-pin (VR)	C6
IC 6-pin with temporary construction core (VR)	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 6-pin less core (VR)	CL6
SFIC 6-pin with SFIC disposable temporary core[1] (VR)	CT6SD
SFIC 6-pin with Less Core[1] (VR)	CLS6
IC 7-pin (VR)	C7
IC 7-pin with temporary construction core (VR)	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin less core (VR)	CL7
SFIC 7-pin with SFIC disposable temporary core[1] (VR)	CT7SD
SFIC 7-pin with Less Core[1] (VR)	CLS7
Security (VR)	HS
Security IC (VR)	CHS
Access 3 - Patented (VR)	AP
Access 3 - Security (VR)	AS
Access 3 - High Security (VR)	AHS
Access 3 IC - Patented (VR)	ACP
Access 3 IC - Security (VR)	ACS
Access 3 IC- High Security (VR)	ACHS
UL IC 6-Pin Housing Less Core	CL6AH
UL IC 6-Pin Housing with Disposable Core	CTAHD
UL IC 6-Pin Housing with (Red/Blue/Green) Temporary Construction Core	CT6AH(R/B/G)
Pyramid High Security Fixed Core (VR)	PHS
Pyramid High Security IC (VR)	PCHS
Pyramid IC Less Core (VR)	CLP
Pyramid with temporary construction core (VR)	CTP
Pyramid Security (VR)	PS
Pyramid Security IC (VR)	PCS
Pyramid Disposable Core (VR)	CTPD
6-Pin Disposable Core (VR)	CT6D
7-Pin Disposable Core (VR)	CT7D
Master ring[2]* (VR)	MR
Flex head cylinder, 6-pin (sectional trim)	FX6
Flex head cylinder, 7-pin (sectional trim)	FX7
Flex head cylinder, master ring[2] (sectional trim)	FXM
Plug only to show, 6-pin (concealed shell; M and R escutcheons only, single cylinder only)	PO6
Plug only to show, 7-pin (concealed shell; M and R escutcheons only, single cylinder only)	PO7
Plug only, less cylinder	PO-LC

(VR) Indicates availability with ML200VR lockset

*Not available UC Uncombinated

Description	Specify
Keyed random (VR)	KR
Construction master keyed (not available for Pyramid) (VR)	CMK
Visual key control (VR)	
- No keying data stamped on key or cylinder	VKC0
- Keys only	VKC1
- Cylinders and keys (not for HS, CHS, PHS, PCHS, AS, ACS, AHS, or ACHS)	VKC2
- Cylinders only (not for HS, CHS, PHS, PCHS, AP, ACP, AS, ACS, AHS or ACHS)	VKC3
Concealed key control (CKC) (VR)	
- CKC cylinders with VKC keys	CKC2
- CKC cylinders only (not for HS, CHS, PHS, PCHS, AP, ACP, AS, ACS, AHS or ACHS)	CKC3
2 keys per lock More than 2 keys	(standard) KY# (e.g., KY6)
Uncombinated	UC
O Bitted	OBIT

1. Not available with ML2029.
2. Not available for ML2017, ML2029, ML2000VR, ML20600 or ML20900.

Finishes

ANSI/BHMA 605 (US3)	Bright Brass
ANSI/BHMA 606 (US4)	Satin Brass
ANSI/BHMA 611 (US9)	Bright Bronze
ANSI/BHMA 612 (US10)	Satin Bronze
ANSI/BHMA 613 (US10B)	Oxidized Bronze, oil rubbed
613E (US10BE)	Dark Oxidized Satin Bronze - Equivalent
613L	Dark Oxidized Satin Bronze, Clear Coated
ANSI/BHMA 618 (US14)	Bright Nickel Plated
ANSI/BHMA 619 (US15)	Satin Nickel Plated
ANSI/BHMA 625 (US26)	Bright Chromium Plated
ANSI/BHMA 626 (US26D)	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield®
ANSI/BHMA 629 (US32)	Bright Stainless Steel (VR)
ANSI/BHMA 630 (US32D)	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield®
722	Black Oxidized Bronze, oil rubbed
BSP	Black Suede Powder Coat
WSP	White Suede Powder Coat

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Quick Codes

ML2000, ML20900 ECL and ML20600 NAC Series

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws (not available for "N" escutcheon trims (Standard for ML2000VR. Optional for other trims)	M04
Blank Escutcheon Inside (only available for ML2000VR, not available for ML2000) (VR)	M07
ANSI wrought strike box (VR)	M17
Hotel occupancy indicator (Only available for ML2029) (VR)	M19
Single Occupancy Indicator - Secure/Unsecure (Outside)	M19S
Single Occupancy Indicator - Vacant/Occupied (Outside)	M19V
Single Occupancy Indicator - Secure/Unsecure (Inside)	M19N
Double Occupancy Indicator - Secure/Unsecure (Outside) Secure/Unsecure (Inside)	M19SN
Double Indicator Vacant/Occupied (Outside) Secure/Unsecure (Inside)	M19VN
*Knurling outside and inside (VR)	M20
*Knurling outside only (VR)	M21
*Knurling inside only (VR)	M22
*Abrasive coat outside and inside (VR)	M23
*Abrasive coat inside only (VR)	M24
*Abrasive coat outside only (VR)	M25
Non-ferrous lockcase (ML2000 only)	M26
Lead-wrapped case (VR)	M29
Half trim (for ML2010, ML2020, ML2022, ML2024, ML2029, ML2030, ML2032, ML2052, ML2053, ML2055, ML2056, ML2057, ML2058, ML2059, Ml2062, ML2065) (Supplied with inside trim only. Includes cylinder)	M30
Working trim only (VR)	M31
Latch hold back (for ML2042, ML2052, ML2055, ML2051, ML2057 only)	LHB**
Tapered Cylinder Collar (HPSK only)	M111
Laser Engraving	LASER

*Not available with Vineyard™ or Muséo® levers.
**Must use A02 cam when LHB is specified

Door Thickness+

Door Thickness	Sectional Trim - Specify	Escutcheon* Trim - Specify
1-3/8"(35mm)**	D138	D138
1-3/4"(44mm)	(standard)	(standard)
1-7/8"(48mm)	D178	D178
2" (51mm)	D200	D200
2-1/8" (54mm)	D218	D218
2-1/4" (57mm)	D214	D214
2-3/8" (60mm)	D238	D238
2-1/2" (64mm)	D212	D212
2-5/8" (67mm)	D258	D258
2-3/4" (70mm)	D234	D234
2-7/8" (73mm)	D278	D278
3" (76mm)	D300	D300
3-1/8" (79mm)	D318	D318
3-1/4" (83mm)	D314	D314
3-3/8" (86mm)	D338	D338
3-1/2" (89mm)	D312	D312
3-5/8" (92mm)	D358	D358
3-3/4" (95mm)	D334	D334
3-7/8" (98mm)	D378	D378
4" (102mm)	D400	D400

+ HPSK is only available for 1-3/4" door thickness
* For 2-3/8" (60mm) to 4" (102mm) door thickness: throughbolts and thumbturn lever spindle for 4" door will be provided; may be field cut. "R" & "L" escutcheons only available 1-3/8" (35mm), 1-3/4" (44mm), and 2-1/4"(57mm).
** 1-1/16" (27mm) front standard for 1-3/8" (35mm) door
(VR) Vandal Resistant trim accommodates doors 1-3/4" (44mm) to 2-1/4"(57mm). Door thicknesses other than 1-3/4" (19mm) must be specified.

Strikes

Available for ML2000VR

ANSI Lip to Center	ANSI Straight Lip Specify	Curved Lip Specify
7/8" (22mm)	SS078	N/A
1-1/8" (29mm)	(standard)	SA118
1-1/4" (32mm)	SS114	SA114
1-3/8" (35mm)	SS138	SA138
1-1/2" (38mm)	SS112	SA112
1-3/4" (44mm)	SS134	SA134
2" (51mm)	SS200	SA200
2-1/4" (57mm)	SS214	SA214
2-1/2" (64mm)	SS212	SA212
2-3/4" (70mm)	SS234	SA234
3" (76mm)	SS300	SA300

Open Back Strike	Door Thickness	Specify
	1-3/4" (44mm)	SB134
	2" (51mm)	SB200
	2-1/4" (57mm)	SB214
Rabbeted front and strike	–	Specify SR118

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Quick Codes

ML2000, ML20900 ECL and ML20600 NAC Series

Handing

Hand	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Panel Applications
(Material added to the door face, increasing the overall door thickness)

Description	Specify
Centerline of lockcase to edge of panel not to exceed 2"	PNL

Electric Monitor Options (ML2000/ML20900 Series Only)

Description	Specify
Latchbolt Monitor	M91
Request to Exit	M92
Security Monitor	M105

These options may be ordered together only as follows:
M91xM92, M92xM105.

Electric Accessories

Description	Specify
Power supply 1.0 Amp @ 12 VDC output	BPS-12-1
Power supply 3.0 Amp @ 12 VDC output	BPS-12-3
Power supply 1.0 Amp @ 24 VDC output	BPS-24-1
Power supply 2.0 Amp @ 24 VDC output	BPS-24-2
Power supply 4.0 Amp @ 24 VDC output	BPS-24-4

Functions Available with Monitor Options

Function	M91	M92	M105	M91 + M92	M92 + M105
ML2010, ML2080, ML2090		X			
ML2020, ML2022, ML2024, ML2030, ML2062, ML2065	X	X		X	
ML2029*, ML2032*, ML2049*, ML2057*, ML2059*, ML2092*	X	X	X	X	X
ML2002, ML2003, ML2042, ML2052, ML2053, ML2054, ML2055, ML2056, ML2058, ML2087		X	X		X
ML2048, ML2051, ML2067, ML2082	X				
ML20906, ML20907, ML20914, ML20915, ML20932, ML20987	X	X	X	X	X

*M105 becomes DPS
Notes: ML2051 & ML2057 with LHB is not available with monitor options.
Not available with M30.

Fail Safe/Fail Secure

Description	Specify
Fail safe	SAF
Fail secure	SEC

Thumbturns

Description	Specify
Ergonomic	M34
Decorative	MT1
Decorative Square	MT2
Decorative Cylinder	MT2

See page 63 for images of decorative thumbturns

ML20600NAC - End-of-Line Resistors and Deadbolt Privacy Quick Code

Description	Specify
No End-of-Line Resistors	Blank
Mercury / Lenel 1KΩ/2KΩ	R01
Software House 1KΩ/2KΩ	R03
AMAG 4-State Supervision	R04
Deadbolt Privacy	PHR
Deadbolt Privacy and Mercury / Lenel 1KΩ/2KΩ	PHRR01
Deadbolt Privacy and Software House 1KΩ/2KΩ	PHRR03
Deadbolt Privacy and AMAG 4-State	PHRR04

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How To Specify

ML2000 Series

ML2000 Series Suggested Specification

All locksets shall be ML2000 Series Mortise Locksets as manufactured by Corbin Russwin Architectural Hardware.

Locks shall have all functions available in one size case, manufactured from heavy gauge steel, minimum thickness 3/32" (2mm). The handing of all locks shall be reversible without the disassembly of the lockcase. Cases are to be closed on all sides to protect internal parts. Locks are to have adjustable, beveled and armored fronts, standard 2-3/4" (70mm) backset, a full 3/4" (19mm) throw two-piece mechanical anti-friction latchbolt, and a one-piece stainless steel 1" (25mm) throw deadbolt, and shall be available for a minimum door thickness of 1-3/8" (35mm). Internal parts shall be heavygauge steel, zinc dichromate plated for corrosion resistance.

All locksets with latchbolts, regardless of trim, shall be listed by Underwriters Laboratories for A label and lesser class doors, 4' x 10' single or 8' x 10' pair.

Locksets to be used on specified exterior doors or doors subject to special atmospheric conditions (roofs, pool areas, chemical laboratories, sewage disposal plants, etc.) shall have non-ferrous lock cases and critical internal components.

Cylinder options shall include master ring, flexible head, concealed shell, interchangeable core, security, Pyramid and Access 3 types.

Lock trim (knob, lever, sectional or escutcheon) shall be throughbolted through the lockcase to ensure correct alignment and proper operation.

Certification:
UBC - 7 - 2 and UL10C - Positive Pressure
Federal Specification FF-H-106G
ANSI/BHMA A156.13 Series 1000, Grade 1
ANSI/BHMA A117.1, Accessibility Code (formerly Title 19, California State Fire Marshal Standard) (lever handle trim).

All locks, trim, and cylinders shall be from one manufacturer.

All locksets shall carry a ten-year limited warranty.

ML2000 Series
Mortise Locks with BHSS and BLSS Trim

A. Ligature Resistant, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to accepted OMH requirements with ligature-resistant lever and escutcheon trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and escutcheons are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.

B. Ligature Resistant, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to [accepted] [Use with caution] OMH requirements with ligature-resistant lever and rose trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and roses are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.

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ML2000 Series Mortise Locksets with Vandal Resistant Trim Suggested Specification

All locksets shall be ML2000VR Series Mortise Locksets as manufactured by Corbin Russwin Architectural Hardware.

Locks shall have all functions available in one size case, manufactured from heavy gauge steel, minimum thickness 3/32" (2mm). The handing of all locks shall be reversible without the disassembly of the lockcase. Cases are to be closed on all sides to protect internal parts. Locks are to have adjustable, beveled and armored fronts, standard 2-3/4" (70mm) backset, a full 3/4" (19mm) throw two-piece mechanical anti-friction latchbolt, and a one-piece stainless steel 1" (25mm) throw deadbolt, and shall be available for a minimum door thickness of 1-3/4" (44mm). Internal parts shall be heavy gauge steel, zinc dichromate plated for corrosion resistance.

High security escutcheon trim shall be cast (stainless) steel with tapered design top and bottom to resist forced entry, excessive abuse and vandalism. Size to be 8-1/2" (216mm) high x 2-1/8" (54mm) wide x 5/16" (8mm) thick with double throughbolts and 2 post lugs to receive torx® pin tamper-resistant security screws through both escutcheons. Alignment posts shall be located over and under the spindle for rigidity and security and shall project through the lock case to ensure proper alignment. Escutcheons to accept cast levers (Newport or Citation) which accept free-floating spindles with a torque resistance of 700 inch lbs. Size of spindle to be 5/16" (8mm) and extend from both sides of the escutcheon. Levers will remain attached if spindle is broken. Lobular torx® pin drive self-tapping screws and lobular throughbolts furnished standard for vandal resistance.

Locksets that are to be used on specified exterior doors or doors subject to special atmospheric conditions (roofs, pool areas, chemical laboratories, sewage disposal plants, etc.) shall have non-ferrous lock cases and critical internal components.

Locksets to be furnished standard with conventional 6-pin fixed core cylinders.

Optional cylinders shall include IC, Access 3, security and Pyramid. Furnish a tapered vandal-resistant cylinder collar where necessary.

Certification:
UBC - 7 - 2 and UL10C - Positive Pressure
Federal Specification FF-H-106G
ANSI/BHMA A156.13 Series 1000, Grade 1
ANSI/BHMA A117.1, Accessibility Code (formerly Title 19, California State Fire Marshal Standard) (lever handle trim).

All locks, trim, and cylinders shall be from one manufacturer.

All locksets shall carry a ten-year limited warranty.

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How To Specify

ML2000 Series

ML20900 ECL Series
Suggested Specification

ECOFLEX® ELECTRIFIED MORTISE LOCKS

A. CORBIN RUSSWIN ML20900
Electrified Mortise Locks

1. General: ANSI/BHMA certified extra heavy duty, lever type mortise lock conforming to ANSI/BHMA A156.13 Series 1000, Grade 1 requirements and ANSI A117.1 accessibility guidelines. All functions manufactured in a single sized case formed from a minimum 12 gauge steel. Lockset is field-adjustable for handing without opening the lock body with a beveled armored front that is 0.125" minimum thickness and utilizes a one piece 3/4" anti-friction stainless steel latchbolt. To insure proper alignment, all trim, shall be thru-bolted and fully interchangeable between rose and escutcheon designs. Lock is UL/cUL listed and labeled for use on up to 3 hour fire rated openings.
   a. Backsets: 2-3/4".
   b. Deadbolt: Optional 1" throw made of stainless steel and 2 hardened steel roller inserts.
   c. Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8" beyond trim, frame or inactive leaf. Where required, provide open back strike and protected to allow practical and secure operation.
2. Provide access control mortise lock series, type and functions where specified in hardware groups, with provisions below:
   a. Emergency override access capability with key cylinder retraction of lock latch bolt without necessary electronic activation.
   b. Inside lever retracts latch and deadbolt simultaneously for free egress.
   c. Refer to "KEYING" specification section for keying system requirements.
   d. Lever and finish to match corresponding mechanical locking hardware.
3. Locking and unlocking of the lever handle by electronic operation contained completely within the body of the mortise lock.
   a. Field configurable Fail Safe /Fail Secure by means of an external DIP switch setting.
   b. Operationally voltage-insensitive 12 to 24 VDC.
   c. Energy Performance: Maximum standby current required for functional operation not to exceed 50 mA at 24 VDC limiting potential inductive kickback or the need for external diodes.
   d. Functional locking operation not affected by cable runs greater than 500 feet using a minimum 22 AWG wire.
4. Monitoring: Optional real time monitoring of latchbolt, deadbolt, door open/closed status and valid egress where specified. Valid egress signaled by activation of the Request-to-Exit (RX) micro switch integral to the inside lever of the lockset on the unsecure side of the door capable of shunting external alarms. Door open/closed status provided by monitoring the deadlatch and latchbolt in series with optional integrated magnetic door position switch.
5. Perform centralized control of the integrated locking functions by means of a single cable run to the access control panel independent of any proprietary power supplies, interface boards or controllers.
   a. End of line termination points by means of factory pre-wired Molex® connectors and harnesses.
   b. Source power electrical hard wiring and connections by others.

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Reversing Handing

ML2000 Series

Instructions for reversing the hand of the ML2000 Series.

Step 1) Move the Red locking screw to side of lock-body being locked (Fig. 1)

Step 2) Push in latch then depress catch plate with screw driver (Fig. 1)

Step 3) Pull latch out of lock-body and turn latch over (Fig. 2)

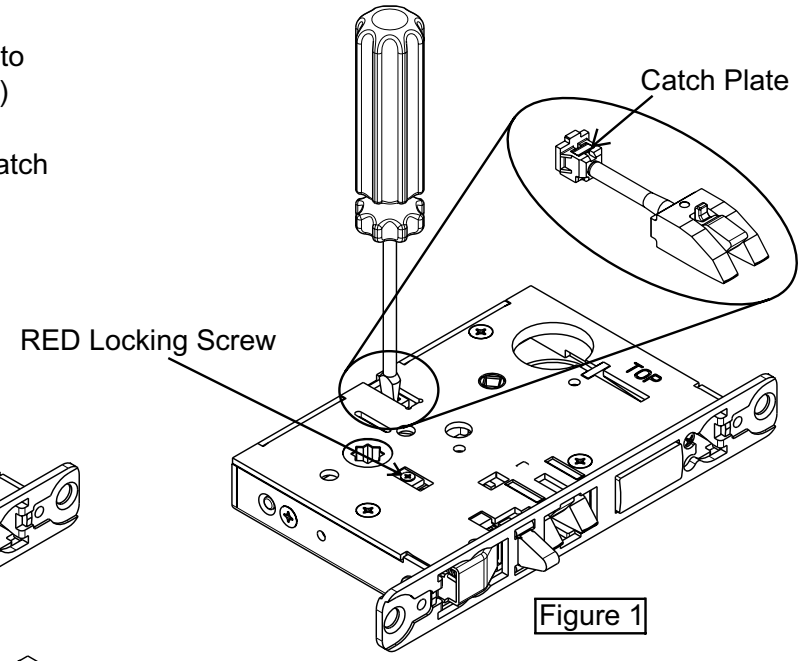


Figure 1

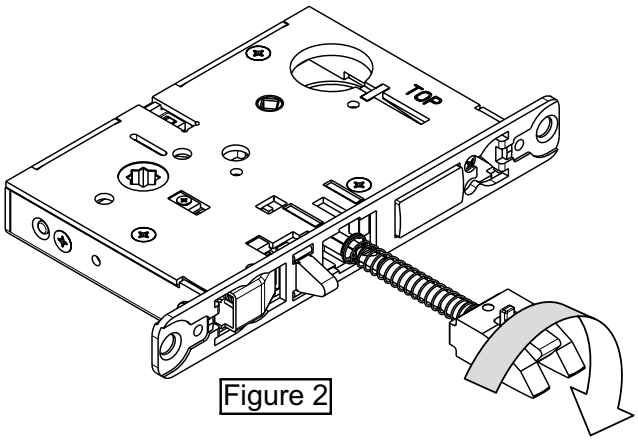


Figure 2

Step 4) Push in latch while holding screw driver behind latch tail (Fig. 3)

Note: Push in latch until catch plate is no longer depressed (Fig. 4)

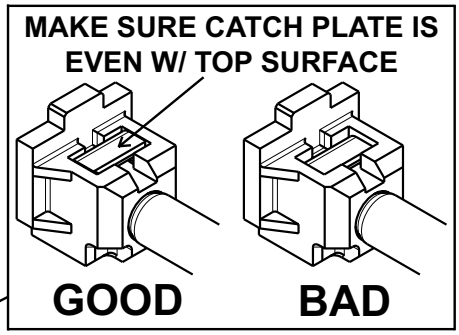


Figure 4

Step 5) Rotate lock front to match bevel of door as shown (Fig. 5)

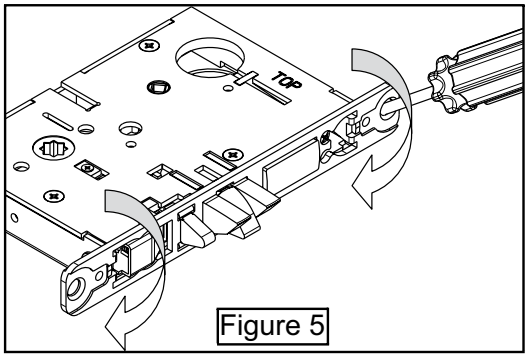


Figure 5

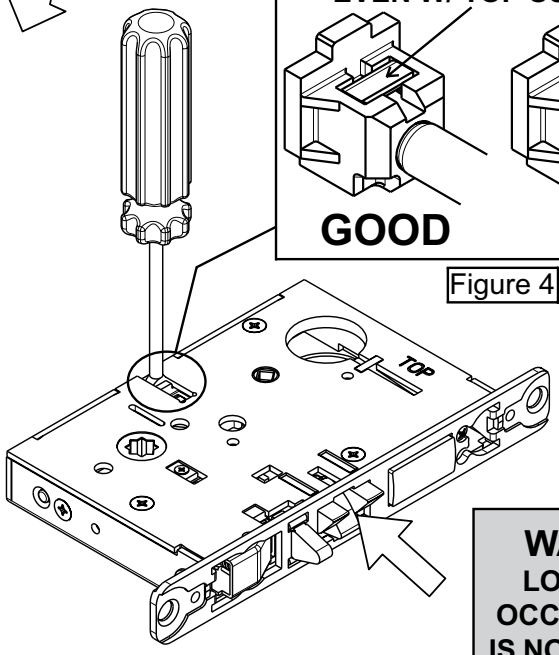


Figure 3

WARNING:
LOCK-IN CAN OCCUR IF LATCH IS NOT PROPERLY INSTALLED

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ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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MicroShield™

MicroShield®
As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, registered with the EPA and FDA. Microshield® is a silver-based antimicrobial coating designed to inhibit the growth of bacteria. MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

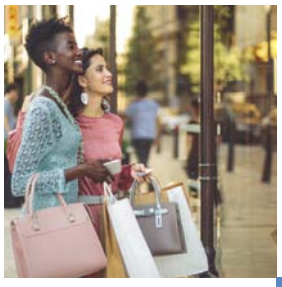
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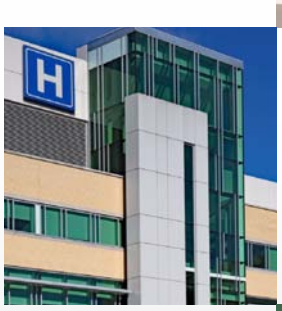


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FE6600 Series

Multi-Point Locks

Product Catalog

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FE6600 Series Multi-Point Locks



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Certifications

FE6600 Series Multi-Point Locks

Certification Compliance*

ANSI/BHMA	Certified to ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1 with all standard trims. **Note:** LFIC (Removable) Cylinders and SFIC Cylinders do not meet Security Grade 1 requirements.
ADA	Meets A117.1 Accessibility Code. Meets BOMA International 4.13.8 Complies with American Disability Act; Consult local authorities
UL-cUL	UL and cUL Listed to US and Canadian safety standards for A label 4 x 8 single and 8 x 8 double (3-hour fire door) and lesser class doors, stamped letter F and UL symbol on armored front indicate listing
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
California	California State Reference Code (Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13 mm) of door face
Tornado Codes	See "Windstorm Certifications: UL Listings"

Windstorm Certifications: UL Listings*

Listed below are certifications and standards met by the FE6600 Series lock.
Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies Ceco and Curries doors and frames.

FEMA Publication 320 (2014)	"Taking Shelter From the Storm: Building a Safe Room for Your Home or Small Business," investigated with respect to impact and pressure requirements only.
FEMA Publication 361 (2015)	"Safe Rooms for Tornadoes and Hurricanes: Guidance for Community and Residential Safe Rooms" investigated with respect to impact and pressure requirements only.
ICC 500 (2014)	"ICC/NSSA Standard for the Design and Construction of Storm Shelters," investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. Table 305.1.1 of ICC 500 correlates design wind speed to the minimum missile speeds.
NFPA 80	"Standard for Fire Doors and Other Opening Protectives"
ASTM E300 (2002)	Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference
ASTM E1886 (2005)	Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials
ASTM E1996 (2012)	Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Windborne Debris in Hurricanes

Florida Building Code: FL2998
UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI-BHMA A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ANSI/ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Criteria for Testing Impact and Non-Impact Resistant Building Envelope Components Using Uniform Static Air Pressure"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the "Florida Building Code"

*Any retrofit or other field modification to a fire and/or windstorm rated opening can potentially impact the fire rating of the opening, and Corbin Russwin makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire and/or windstorm rated opening, or specifying and installing a new fire and/or windstorm rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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Introduction & Features

FE6600 Series Multi-Point Locks

The Corbin Russwin FE6600 Series lock is a multi-point, deadlocking system developed to help protect lives while securing a community shelter and/or safe room entry. Sturdy heavy-duty steel components firmly secure the door within the frame – at top, bottom, and center latch points – fortifying the opening during a windstorm event. The FE6600 Series is UL Classified for FEMA P-361 (2015), FEMA P-320 (2014), ICC 500 (2014) and Florida Building Code (FBC) capable of withstanding severe wind speeds and flying debris. This device consists of concealed vertical rods with top and bottom latching complemented by a mortise lock with a latchbolt and deadbolt at the center of the door and an optional indicator to show the status of the top and bottom latches.

Lever rotation retracts the top bolt, the bottom bolt, and center bolts simultaneously. When retracted, the bolts are held in position as the door swings. As the door closes, the hold-back feature engages the frame and the top, center, and bottom bolts project simultaneously. With the deadbolt thrown, this system protects room occupants from threatening conditions. The FE6600 Series device can also used on fire-rated doors.

Innovation

- Unique and robust multi-point, deadlocking system engineered to help save lives
- Integrated with the Ceco Door StormPro® 361 and Curries StormPro® 361 doors and frames and McKINNEY StormPro® hinges to provide an opening that meets tornado and hurricane shelter guidelines.
  - For Windstorm Certifications, see page 3

Applications

- Perfect for community refuge areas where people seek protection from strong wind events
- Community shelters and safe rooms, corporate campuses, schools, healthcare facilities, and government facilities
- Hardware must be installed by a factory trained installer

Strength & Durability

- UL 3-hour fire rating
- Extra heavy-duty steel components secure the door to the frame
  - Multiple locations: top, bottom, and center latch points
  - Fortifies opening to withstand extreme wind speeds and flying debris
- Heavy-duty sectional trim standard
- Fortified with high-tensile alloy fasteners
- Thru-bolted to door for solid attachment

Features

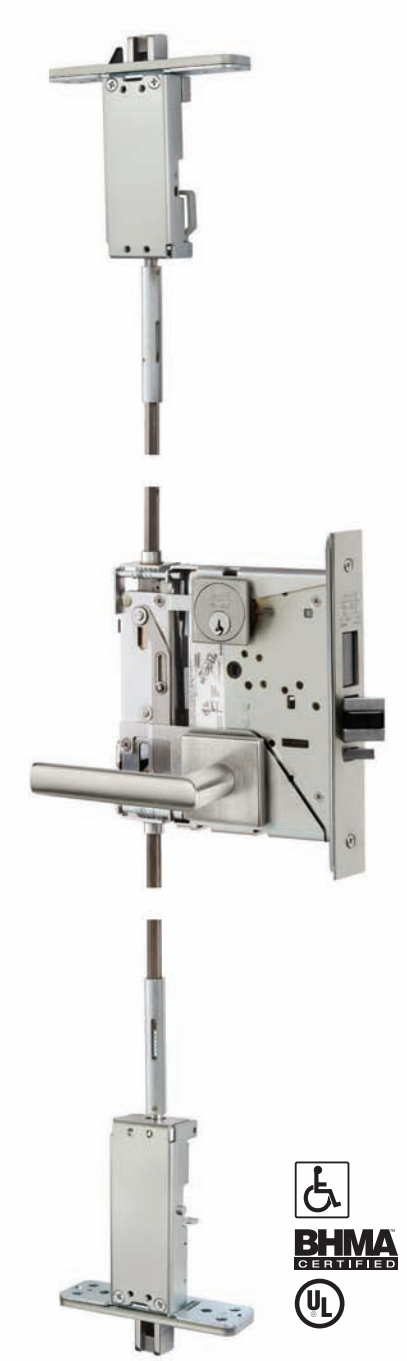
- Utilizes unique mortise lockbody assembly specifically for tornado shelter applications:
  - Three latch points project automatically; fourth latch point with a single motion
  - Dogging option allows device to operate as standard mortise lock with a single latch point
  - Concealed vertical rods for additional security
  - Available with access control options
  - Inswing and outswing applications
  - Concealed vertical assembly (rods, latches and cassette) will be pre-installed in the Ceco Door StormPro® 361 and Curries StormPro® 361 door.
  - ICC 500 (2014) certification
  - ANSI/BHMA A156.37 Grade 1 certified
  - Seven-year warranty

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Specifications

FE6600 Series Multi-Point Locks



Specifications

Door	1-3/4" thick door only – FE6600 Series requires utilizing Ceco Door StormPro® 361 and Curries StormPro® 361 doors and frames. McKINNEY® StormPro® hinges are required when used as a certified tornado solution
Mounting	Supplied fasteners are for metal doors with thru-bolts for trim
Hand	Handed; specify RHR, LHR, RH or LH
Lockbody	Unique mortise lockbody assembly used specifically for tornado shelter applications
Top Bolt	Adjustable stainless steel 3/4" square bolt with 11/16" engagement; 5/16" steel reinforcement plate
Bottom Bolt	Adjustable stainless steel 3/4" square bolt with 5/8" engagement; 1/4" steel reinforcement plate
Center Bolts	Latchbolt is stainless steel with 3/4" projection. One piece, anti-friction reversible catch. Deadbolt is one piece hardened stainless steel with 1" projection
Lock Front	1/8" steel mortise front reinforced with 13/64" thick lock edge stiffener
Center Bolt Strike	1/4" thick stainless steel
Backset	Lever: 2-3/4" standard; Rods: 5-1/4"
Door Thickness	1-3/4" standard
Maximum Opening	Single door 2'8" x 6'8" up to 4'0" x 8'0" and double doors 6'0" x 6'8" up to 8'0" x 8'0" (Double doors require 2-988CR surface bolts)
UL Fire Listed	UL 3-hour fire rating
Trim	Multiple sectional and escutcheon mortise trim with Standard or Muséo levers
Cylinder	Multiple mortise cylinders

Note: For UL & Windstorm Certifications, see page 3

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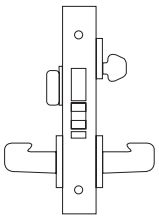
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Functions & Descriptions

FE6600 Series Multi-Point Locks

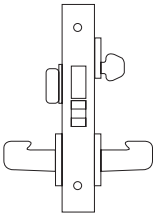
Single Cylinder with Deadbolt

FE6618 Classroom



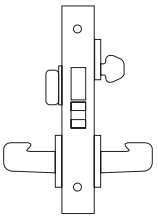
- Inside trim is always unlocked
- Inside thumbturn only retracts and projects deadbolt
- When deadbolt is projected, inside trim retracts latchbolt and deadbolt simultaneously
- Key outside locks and unlocks outside trim
- When outside trim is unlocked, outside trim retracts latchbolt and deadbolt simultaneously

✦FE6624 Storeroom Door



- Key outside or thumbturn inside retracts and projects deadbolt
- Trim either side retracts latchbolt
- Latchbolt & deadbolt operate independently of each other
- **ANSI F21**

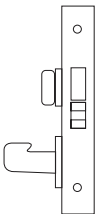
FE6665 Exit/Dormitory



- Key outside or thumbturn inside retracts and projects deadbolt
- Trim from either side retracts latchbolt, when the deadbolt is in the retracted position
- Trim outside is locked, when the deadbolt is projected
- When deadbolt is projected, trim inside retracts latchbolt and deadbolt simultaneously, unlocking outside trim
- **ANSI F13**

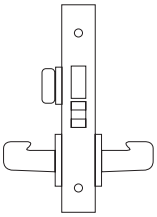
Non-Keyed

FE6680 Inside Passage



- Thumbturn retracts & projects deadbolt
- Trim inside retracts latchbolt & deadbolt simultaneously
- Trim outside is always locked
- Blank outside escutcheon

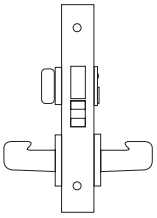
FE6609 Passage



- Thumbturn inside retracts and projects deadbolt
- Trim from either side retracts latchbolt
- Both inside and outside trim are always unlocked
- When deadbolt is projected trim inside or outside retracts latchbolt and deadbolt simultaneously

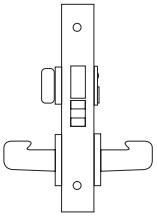
Note: This function allows free entry at all times, even when deadbolt is projected during possible severe weather conditions.

FE6630 Privacy Bath



- Trim outside retracts latchbolt except when deadbolt is projected
- Trim inside retracts both latchbolt and deadbolt simultaneously, unlocking the outside trim
- Emergency release retracts and projects deadbolt - by coin, screwdriver, or emergency key (726F81) ordered separately
- Thumbturn retracts and projects deadbolt
- **ANSI F19**

✦FE6620 Privacy Bedroom



- Trim from either side retracts latchbolt at all times
- Thumbturn retracts and projects deadbolt
- Emergency release retracts and projects deadbolt - by coin, screwdriver, or emergency key (726F81) ordered separately
- Latchbolt and deadbolt are independent of each other
- **ANSI F02**

Items of Note:

- All function descriptions are specific to latchbolt and deadbolt operation only.
- The lock must have a deadbolt for a tornado rating.
- Top and bottom rods automatically project when the door is closed and retract when inside or outside lever is turned.
- A dogging indicator can be ordered separately under code AUX188 . A dogging indicator dogs the top/bottom latches so the lock can function as a normal mortise lock. In an emergency, un-dog the rods and the top/bottom latches will engage.

✦ CAUTION: These functions require two separate motions for egress. Not recommended for use on any door used for Life Safety egress.

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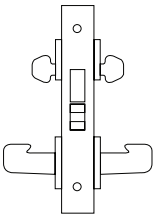
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Functions & Descriptions

FE6600 Series Multi-Point Locks

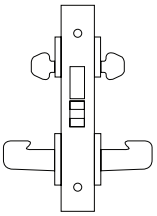
Double Cylinder with Deadbolt

✦*FE6622 Store Door*



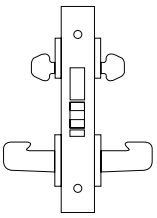
- Key from either side retracts & projects deadbolt
- Trim from either side retracts latchbolt
- Latchbolt and deadbolt are independent of each other
- **ANSI F14**

FE6662 Classroom Security Intruder Deadbolt



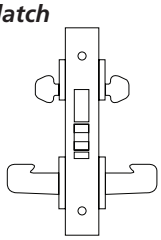
- Key either from side retracts or projects deadbolt which also unlocks or locks outside trim
- Trim outside retracts latchbolt, except when locked
- Trim outside is only locked by projecting the deadbolt
- Trim inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside trim
- **ANSI F33**

FE6672 Classroom Security Intruder Auxiliary Deadbolt



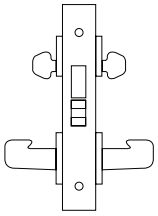
- Key from either side retracts or projects deadbolt which also unlocks or locks outside trim
- Trim outside retracts latchbolt, except when locked
- Trim outside is only locked by projecting the deadbolt
- Trim inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside trim
- Auxiliary deadlatch
- Same as an 8239 with Auxiliary deadlatch
- **ANSI F34**

FE6673 Classroom Security Intruder Deadlatch



- Key from either side retracts and projects deadbolt
- When deadbolt is projected, 1st key rotation retracts deadbolt, 2nd key rotation unlocks trim outside
- Key retraction of latchbolt from either side unlocks trim outside
- Trim outside retracts latchbolt, except when locked
- Trim inside (when deadbolt is projected) retracts both latchbolt and deadbolt simultaneously and the outside trim remains locked
- Auxiliary deadlatch

✦*FE6675 Security Deadbolt*



- Key from either side retracts and projects deadbolt
- Key from either side retracts latchbolt
- Trim inside & outside are locked only when deadbolt is projected

Items of Note:

- All function descriptions are specific to latchbolt and deadbolt operation only.
- Double cylinder functions require a key to activate deadbolt
- The lock must have a deadbolt for a tornado shelter rating.
- Top and bottom rods automatically project when the door is closed and retract when inside or outside lever is turned.
- A dogging indicator can be ordered separately under code AUX188. A dogging indicator dogs the top/bottom latches so the lock can function as a normal mortise lock. In an emergency, un-dog the rods and the top/bottom latches will engage.

✦ CAUTION: These functions require two separate motions for egress. Not recommended for use on any door used for Life Safety egress.

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Electrical Functions & Monitoring Options

FE6600 Series Multi-Point Locks

Electrified Mortise Locks with Standard Monitoring Options

Corbin Russwin FE6600 Series electromechanical mortise locks are designed to handle single opening, stand alone applications, or can be readily integrated into sophisticated access control systems. They meet ANSI/BHMA A156.37 Grade 1 requirements, are UL listed on fire doors, and satisfy industry standards for operating temperature, shock and fire hazard.

Featuring EcoFlex™ Technology*

- **Reduces energy consumption up to 96%, as certified by GreenCircle**
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- **Field configurable to fail-safe or fail-secure**
- **Operates from 12-24VDC, offering greater flexibility in system design**
- **Innovative actuator design provides superior reliability**
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

**Patent pending*

Electrical Requirements for electromechanical functions:

Voltage: Operates from 12-24VDC Regulated. Full wave rectification installed inside the lockbody.

Current:

- Actuator draw = .015 Amp continuous
- Maximum (2) locks per 1 Amp power supply (1/2 Amp peak current draw)

Operating Temp.: Max. 151°F (66°C), Min –31°F (-35°C)

UL and CUL listed for use on Fire Doors

Note: Repeated operation at voltage exceeding +/- 10% is not recommended

Warning:

- **Do not** connect locks to a circuit sharing an additional electromagnetic device as the lock may be damaged
- Transient voltage must be suppressed at the source or before connecting with the lock
- Varistor rated at 35 volts (peak) may be used for transient voltage protection

Note: Opening the lockbody or the actuator replacement in the field by non-authorized personnel voids UL label and lock warranty

M91 option - Latchbolt Monitor

- Please consult factory

M113 option - Deadbolt Monitor

- Switch mounted internally in lockbody that indicates deadbolt position
- Available in all deadbolt functions



No key override with deadbolt

Fail Safe	FE66609 NAC SAF
Fail Secure	FE66609 NAC SEC

Description of Functions:

- Fail Safe: Power off, unlocks outside trim
- Fail Secure;: Power off, lock outside trim
- Deadbolt projected and retracted by thumbturn or key
- Two switches mounted internally, within lockbody, to monitor lever rotation

High Security Monitoring Options

Internal End-of-Line Monitoring

Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

Select a compatible resistor configuration and add the appropriate prefix to your order string:

- R01 - EOL Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision
- R03 - EOL Software House compatible 1KΩ/2KΩ resistance supervision
- R04 - EOL AMAG compatible 4-state supervision

Items of Note:

- All function descriptions are specific to latchbolt and deadbolt operation only.
- The lock must have a deadbolt for a tornado rating.
- Top and bottom rods automatically project when the door is closed and retract when inside or outside lever is turned.
- A dogging indicator can be ordered separately under code AUX188. A dogging indicator dogs the top/bottom latches so the lock can function as a normal mortise lock. In an emergency, un-dog the rods and the top/bottom latches will engage.

✦ CAUTION: These functions require two separate motions for egress. Not recommended for use on any door used for Life Safety egress.

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Muséo Levers

FE6600 Series Multi-Point Locks

Muséo levers are available in a broad array of designs and finishes allowing for uniformity throughout a facility when using the FE6600 Series locks. All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Selector at selector.corbinrusswin.com.

Georges Series


139


140


141


142


143

Georgia Series


101[3]


102


103


104[3]


124[1]


125[1]

Jackson Series

(Handed Levers)


105[3]


119[3]


121[3]


122[3]


127[1,3]

Josef Series [2]


133


134[1]


135


136


137[1]


138[1]

[1] Lever returns within 1/2" (13 mm) of door face.

[2] 135-138 - Contain white or black polycarbonate inserts. Not available with MicroShield® antimicrobial coating.

[3] Not available in 32D or 32 finish

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Muséo Levers (continued)

FE6600 Series Multi-Point Locks

Marc Series

(Handed Levers)


111[3]


112[3]


113[3]


114[3]


115[3]


116[3]


130[1,3]


131[1,3]


132[1,3]

Pablo Series

(126 Lever is Handed)


117[3]


126[1,3]

Piet Series [2]


21L


21M


21S


21G


23G


25M


27M

Salvador Series


106


107


108


109


110


123[1]


128[1]

[1] Lever returns within 1/2" (13 mm) of door face.

[2] Piet levers are customized. See "How To Order" on page 22 for ordering information.

[3] Not available in 32D or 32 finish

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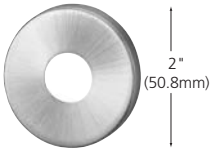
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Muséo Trim

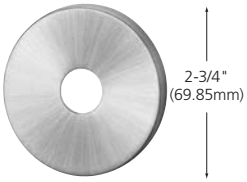
FE6600 Series Multi-Point Locks

Roses

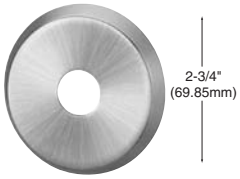
A Rose



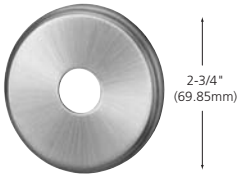
T Rose



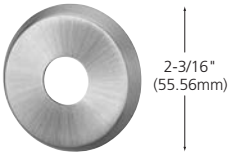
U Rose



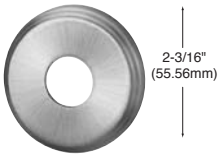
V Rose



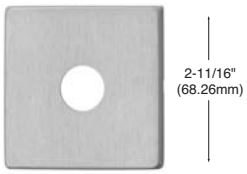
W Rose



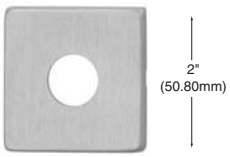
Y Rose



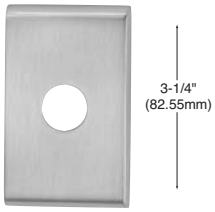
E2 Rose†



E3 Rose†



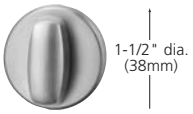
E4 Rose†



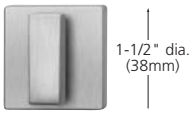
Thumbturns

Thumbturn backplate will match rose design chosen. See "Thumbturn Designs" on page 16 for more information.

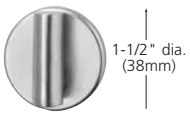
MT1 Turn



MT2 Turn



MT3 Turn

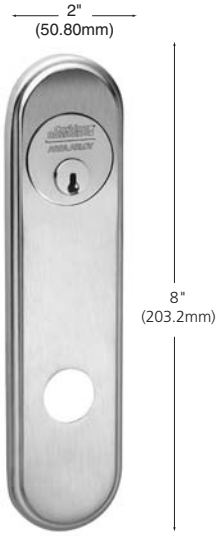


Escutcheons

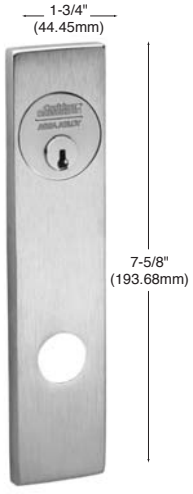
CE Escutcheon



L Escutcheon



RE1 Escutcheon



Note: These roses and escutcheons are unique to this product only. Refer to FE6600 Series Parts Manual for replacement parts.

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Standard Levers

FE6600 Series Multi-Point Locks

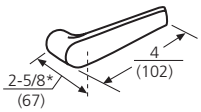
Standard Levers

Features

- All levers meet ADA compliance for national codes
- Solid forged or cast
- All lever height (+/- 1/16") measurements represent total distance from door face

Armstrong

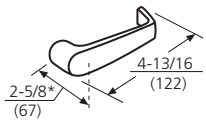
AS — Cast





Newport

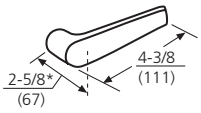
NS — Cast





Citation

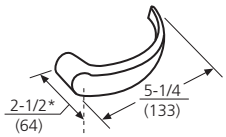
CS — Cast





Princeton

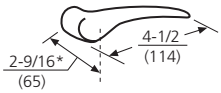
PS — Cast





Dirke

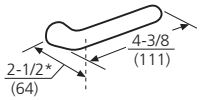
DS — Cast





Regis

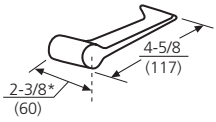
RS — Cast





Essex

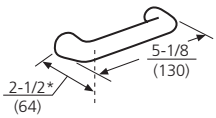
ES — Cast





Lustra

LS — Cast





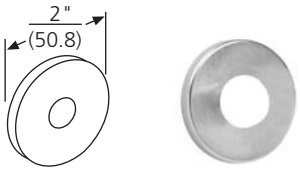
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Standard Trim

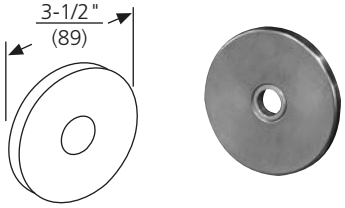
FE6600 Series Multi-Point Locks

Standard Roses

A — Wrought

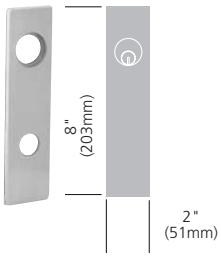


L Rose

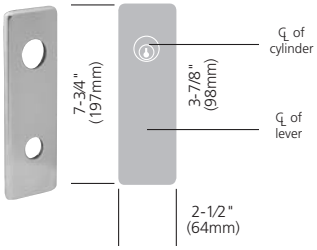


Escutcheon Designs

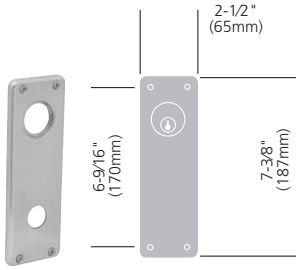
LW1 Escutcheon



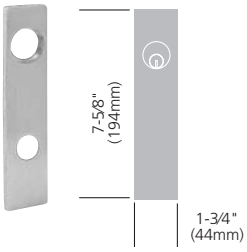
M Escutcheon



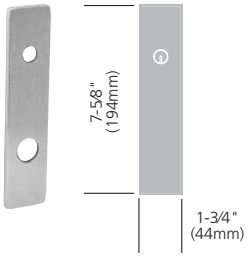
N Escutcheon



RE1/RE2 Escutcheon



RE3/RE4 Escutcheon



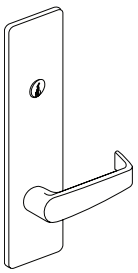
726F82 Cap



- 2" round
- Covers hole for levers and roses

Plug only to show (concealed shell)

Only the cylinder plug face is visible when lock trim is in place. Available with "M," "R," and "L" escutcheons. See individual trim designs for availability.



Note: These roses and escutcheons are unique to this product only. Refer to FE6600 Series Parts Manual for replacement parts.

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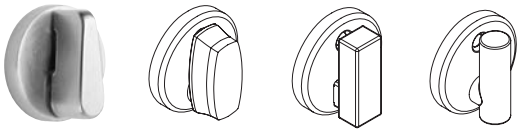
Corbin Russwin
ASSA ABLOY

Thumbturn Designs

FE6600 Series Multi-Point Locks

Round Backplate

(Shown with Standard Turn)

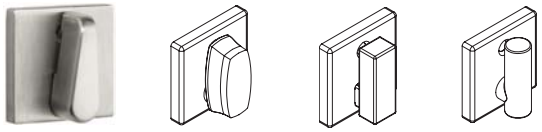


Standard *MT1* *MT2* *MT3*

- Round backplate supplied standard with all round roses
- Standard turn automatically supplied with sectional trim
- Specify MT1, MT2, or MT3 as an option for decorative turns
- 1-1/2" (38 mm) round brass or stainless steel plate

Square Backplate

(Shown with Standard Turn)



Standard *MT1* *MT2* *MT3*

- Square backplate supplied standard with E, E2, E3, or E4 roses
- Standard turn automatically supplied with sectional trim
- Specify MT1, MT2, or MT3 as an option for decorative turns
- 1-1/2" (38 mm) brass or stainless steel plate

M34 Large Round Backplate

(Shown with Large ADA Turn)



- Available with sectional trim
- 40% larger than standard thumbturn
- 2" (51 mm) round brass, zinc, or stainless steel plate & turn
- Meets ADA Requirements

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Emergency Releases & Indicators

FE6600 Series Multi-Point Locks

Emergency Releases

Emergency Key 726F81



- Carbon steel
- For 20 and 30 functions only
- Must be ordered separately

Indicators

M19S/M19V - Option Occupancy Indicator with Emergency Release



M19V

- Ideal for restrooms or conference rooms where easy determination of use needs to be made
- OCC/VAC indicator plate standard, field replaceable, red/white plate included
- Mounts on outside of door
- Not available with escutcheon trim
- Emergency coin operated release standard
- Functions and Roses available:
  - 20, 30 functions with W, E, L, A, T & Y roses
- As retrofit, order M19V x finish for vacant/occupied or M19S x finish for secure/unsecure

AUX188 - Dogging Indicator



- Dogs the top/bottom latches so the lock can function as a normal mortise lock.
- In an emergency, un-dog the rods and the top/bottom latches will engage.
- Must be ordered with product, use Quick Code AUX188.

M19SN/M19VN - Secured Indicator Rose



- Non-handed with lever and mounting posts field reversible
- VAC/OCC indicator plate standard, field replaceable, red/white plate included
- Mounts on outside of door
- Not available with escutcheon trim
- Available for the following functions:
  - 24, 65 - with rose trim only
- Patent pending design
- As retrofit, order M19VN x suffix x finish for vacant/occupied or M19SN x suffix x finish for secure/unsecured:

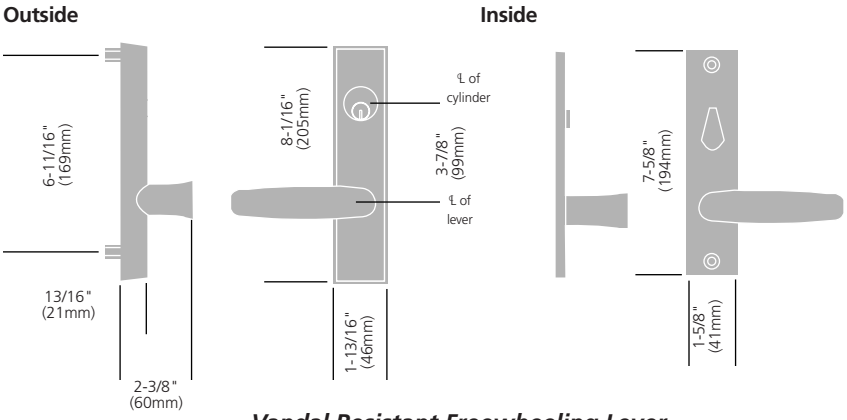
Suffix	Door Thickness
-1	1-3/4" (44 mm)

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Freewheeling (VR) Trim Design

FE6600 Series Multi-Point Locks



Vandal Resistant Freewheeling Lever

Maximum projection varies by lever design. Largest projection is 3-9/16" (90 mm)

Features

The freewheeling mortise trim is designed for areas that are susceptible to vandalism including schools, universities, public buildings, back doors of businesses, and any exterior doors where excessive or abusive force might be applied to the lever handle trim.

This design allows the outside lever handle to swing freely, down to 70°, in the "locked" mode. This eliminates resetting the trim after vandalism attempts because the lever automatically returns to its original position.

- Vandal-resistant trim
- Meets or exceeds ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1. LFIC (Removable). SFIC cylinders do not meet Security Grade 1
- Forged brass outside escutcheon trim provides added protection against vandalism
- Stainless steel lever bushing protects against wear
- Stainless steel lugs and through-bolted trim design for proper alignment and increased security
- Functions available: 22, 24, 30, 62, 65, 72
- Levers AS, CS, DS, ES, LS, NS, PS, and RS available
- Lever designs LS, ES, NS, and PS have lever returns within 1/2" (13 mm)
- Cylinder size: 1-3/4" outside
- Specify hand. Easily field rehanded
- Patent pending and/or patent www.assaabloydss.com/patents

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Access Control Platforms

FE6600 Series Multi-Point Locks

Corbin Russwin FE6600 Series multi-point locks can be readily integrated into sophisticated access control systems. They meet ANSI/BHMA A156.37 Grade 1 requirements, are UL listed on fire doors, and satisfy industry standards for operating temperature, shock, and fire hazard.

Below is a list of compatible platforms:

- IN Series (IN120, IN220)
- Access 600
- Access 700 (PAC1, PIP1, PWI1)
- SE LP10

For complete information regarding the compatibility of the FE6600 Series multi-point locks with electronic access control devices, reference the individual product catalogs, available in the Partner Area on www.intelligentopenings.com.

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ASSA ABLOY

Finishes

FE6600 Series Multi-Point Locks

Finishes

Standard Levers Finish	Description
605	Bright brass, clear coated
606	Satin brass, clear coated
611	Bright bronze, clear coated
612	Satin bronze, clear coated
613	Oxidized bronze, oil rubbed
613E	Dark oxidized satin bronze, equivalent
614	Oxidized satin bronze, clear coated
618	Bright nickel plated
619	Satin nickel, clear coated

Standard Levers Finish	Description
625	Bright chrome
626	Satin chrome
626C	Satin chrome with Microshield
629	Bright stainless steel
630	Satin stainless steel
630C	Satin stainless steel with Microshield
722	Black oxidized bronze, oil-rubbed
BSP	Black Suede Powder Coat

Note: Split Finishes — specify outside finish first, then inside finish example: 626 (outside) / 606 (inside)

Piet Finish Codes

ANSI/BHMA Finish	Piet Code	Description
629	29	Bright Stainless Steel
630	30	Satin Stainless Steel
N/A	BH	Birch (wood insert)
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

* Code used to specify Piet Series finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
21G	Grooved Insert	292929 or 303030
21L **	Leather Insert	29BK29, 29BN29 or 30BK30, 30BN30
21M	Satin Metal Insert	293029** only
21S	Santoprene Insert	29BK29 or 30BK30
23M	Raised Band	290029, 300030, or 200030
25M	Plain	290029 or 300030
27M	Two Grooves	290029 or 300030

** Two-tone finish — grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

To order Piet Series levers with Corbin Russwin products, specify a finish using the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless steel, BHMA finish 629.

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Strikes, Fronts & Collars

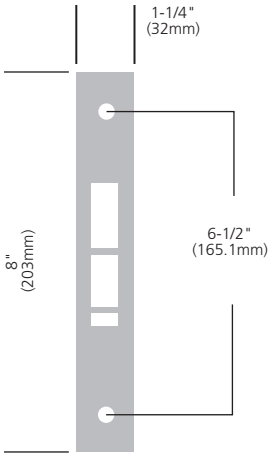
FE6600 Series Multi-Point Locks

Strike Options

Part Number	Description
726F577	Top Strike Pack
726F587	Bottom Strike Pack
726F607	Center Strike Pack

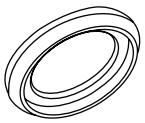
Outside Front Plate

Part Number	Description	Functions
726F86M	Armored Front	09, 20, 24, 30, 65,
726F87M	Armored Passage Front	80
726F88	Armored Front EAC	135, 609, 735



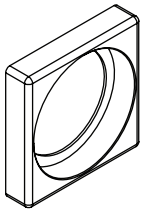
Tapered Cylinder Collar

- Furnished only for CSV or NSV trims with 1-1/4" cylinders, double cylinder functions or with 1-1/2" cylinders, single cylinder functions.



Square Cylinder Collar

- Included when ordering Muséo® E2, E3 and E4 square/rectangular roses.
- Used on all cylinder functions.
- **Size:** 1-5/8" (41 mm) square
- Contact factory to determine correct collar size



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Quick Codes

FE6600 Series Multi-Point Locks

Miscellaneous Options

Detailed Description	Quick Code
Spanner head security screw (not available with Studio levers)	M02
6 Lobe head security screws (Torx® type)	M04
Visual Status Indicator or occupancy indicator with emergency release (not available with escutcheon trim; see "Indicators" on page 16 for details)	M19S/ M19V
Secured indicator rose (available with rose trim only; see "Indicators" on page 16	M19SN/ M19VN
Tactile Warning — Milled levers or knurled knobs. Inside & outside trim	M20
Tactile Warning — Milled levers or knurled knobs. Outside trim only	M21
Tactile Warning — Milled levers or knurled knobs. Inside trim only	M22
Tactile Warning — Abrasive coating inside & outside trim	M23
Tactile Warning — Abrasive coating inside trim only	M24
Tactile Warning — Abrasive coating outside trim only	M25
Working trim only	M31
Lockbody only	LL
Latchbolt monitoring. (Please consult factory)	M91
Deadbolt monitoring — Monitor deadbolt position	M113
Dogging Indicator	AUX188
Left hand	LH
Right hand	RH
Left hand reverse	LHR
Right hand reverse	RHR

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Quick Codes (continued)

FE6600 Series Multi-Point Locks

Cylinder Options

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with temporary construction core	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 6-pin less core	CL6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
SFIC 6-pin with Less Core	CLS6
IC 7-pin	C7
IC 7-pin with temporary construction core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin less core	CL7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
SFIC 7-pin with Less Core	CLS7
Security	HS
Security IC	CHS
Access 3 - Patented	AP
Access 3 - Security	AS
Access 3 - High Security	AHS
Access 3 IC - Patented	ACP
Access 3 IC - Security	ACS
Access 3 IC- High Security	ACHS
UL IC 6-Pin Housing Less Core	CL6AH
UL IC 6-Pin Housing with Disposable Core	CTAHD
UL IC 6-Pin Housing with (Red/Blue/Green) Temporary Construction Core	CT6AH(R/B/G)
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS

Description	Specify
Pyramid IC Less Core	CLP
Pyramid with temporary construction core	CTP
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid Disposable Core	CTPD
6-Pin Disposable Core	CT6D
7-Pin Disposable Core	CT7D
Master ring	MR
Flex head cylinder, 6-pin (sectional trim)	FX6
Flex head cylinder, 7-pin (sectional trim)	FX7
Flex head cylinder, master ring (sectional trim)	FXM
Plug only to show, 6-pin (concealed shell; M and R escutcheons only, single cylinder only)	PO6
Plug only to show, 7-pin (concealed shell; M and R escutcheons only, single cylinder only)	PO7
Plug only, less cylinder	PO-LC
Keyed random	KR
Construction master keyed (not available for Pyramid)	CMK
Visual key control	
- No keying data stamped on key or cylinder	VKC0
- Keys only	VKC1
- Cylinders and keys (not for HS, CHS, PHS, PCHS, AS, ACS, AHS, or ACHS)	VKC2
- Cylinders only (not for HS, CHS, PHS, PCHS, AP, ACP, AS, ACS, AHS or ACHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders with VKC keys	CKC2
- CKC cylinders only (not for HS, CHS, PHS, PCHS, AP, ACP, AS, ACS, AHS or ACHS)	CKC3
2 keys per lock More than 2 keys	(standard) KY# (e.g., KY6)

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How To Order

FE6600 Series Multi-Point Locks

Ordering Example

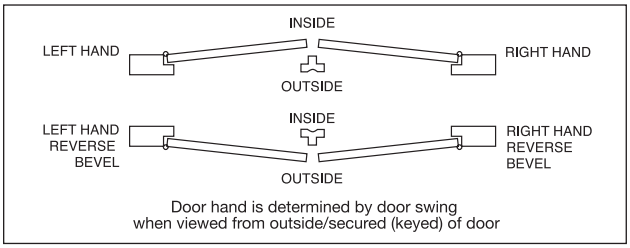
Series/Function	Trim	Finish	Hand	Quick Code*
FE6618	NSA	626	RHR	For all available options see pages 21-22

Lockbody Only Example

Series/Function	Trim	Finish	Hand	Quick Code*
FE6618	LL	626	RHR	For all available options see pages 21-22

*Multiple options can be selected.

Door Handing



Door hand is determined by door swing when viewed from outside/secured (keyed) of door

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Architectural Specifications

FE6600 Series Multi-Point Locks

FE6600 Series Fortified Multi-Point Deadlocking System

Three-Point Locking System Devices

Three-Point deadbolt locking devices are engineered for use on inswing and outswing door applications at ICC 500 (2014), FEMA P-320 (2014) and FEMA P-361 (2015) storm shelter and safe room locations. Concealed, fortified steel construction secures the door to the frame at top, bottom, and center latching points. All three latching points shall be activated with one single motion when the device is closed and retracted with one single motion for egress.

1. The FE6600 locking system device is part of an integrated door, frame, and hardware assembly listed to the following standards:
    a. UL listed to FEMA P-361 (2015) for inswing and outswing pair and single doors
    b. UL listed to FEMA P-320 (2014) for inswing and outswing pair and single doors
    c. UL listed to ICC 500 (2014) for tornado shelters for inswing and outswing pair and single doors
    d. ANSI-BHMA listed to A156.37 Grade 1 for multi-point locks:
        i. Lever torque to retract all bolts less than 28 in.lb.
        ii. Cycle tested to 800,000 cycles
    e. NFPA 80 and NFPA 101 life safety requirements
    f. UL10B or UL10C, 3-hour fire rated openings
2. Latchbolt construction:
    a. Center Bolt: one piece, 3/4" throw anti-friction stainless steel latch and one piece, 1" throw, hardened stainless steel deadbolt; 2-3/4" backset standard
    b. Top and Bottom Bolt: 3/4" x 3/4" square stainless steel latchbolt with 3/4" projection
3. Devices must be able to accommodate sectional rose and lever trim to match the design style and architectural finishes as the balance of the lockset and latches specified:
    a. 21 roses available
    b. 61 levers available
    c. 13 finishes available
4. Devices shall come in both mechanical and electro-mechanical functions:
    a. 12 different functions available
5. Independent top and bottom bolt projection shall be field adjustable :
    a. From the center mortise pocket
    b. While the door is hung:
        i. Does not require taking the door down to adjust
6. Bottom strike shall be offset and reversible to accommodate alignment issues due to rough opening tolerances
7. Must be available with access control options for higher or everyday use and traceability:
    a. IN series (IN120, 220)
    b. Access 600
    c. Access 700 (PAC1, PIP1, PWI1)
    d. SELP10
8. Must be available with rod-dogging indicator option:
    a. Operated by single-point latching for non-emergency or normal use of the space
    b. Holds rods in retracted state
    c. Day-to-day operations with mortise lock only
    d. Indicator to show status

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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For additional information, contact your ASSA ABLOY Door Security Solutions sales consultant or visit **www.corbinrusswin.com.**

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FE5400S Series

Product Catalog

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Overview/Applications and Listings

FE5400S Series Multi-Point Exit Device Latching System

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www.corbinrusswin.com

The Corbin Russwin FE5400S Series is a robust three-point latching system engineered to help protect lives by securing community shelter entries. Extra-heavy duty steel components secure the door to the frame – at the top, bottom and center latch points – fortifying the opening to withstand extreme wind speeds and flying debris.

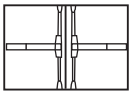
Typical applications include doors located in:

- Community Shelters and Safe Rooms
- Corporate Campuses
- Schools
- Healthcare Facilities
- Government Facilities

Features

- Three point auto deadlocking system
- All three latching points are activated automatically when the door is closed
- UL Listed and certified in accordance with FEMA P-320 (2014), FEMA P-361 (2015) and ICC 500 (2014)
- UL 3-hour fire rating
- Available with a variety of trim styles and finishes
- Through-bolts on door for solid attachment
- Fortified with high tensile alloy Holo-Krome® fasteners.

Applications and Listings

Single Door	UL Listing	Minimum Opening (W x H)	Maximum Opening (W x H)	Application	
SecureBolt® x Surface Vertical Rod FE5400S FE5400SA	Panic 3 Hr. Fire	3'0" x 6'8" 3'0" x 6'8"	4' x 8' 4' x 8'	Surface applied; three-point latching.	
Pairs of Doors	**UL Listing**	**Minimum Opening (W x H)**	**Maximum Opening (W x H)**	**Application**	
SecureBolt® x Surface Vertical Rod FE5400S x FE5400S FE5400SA x FE5400SA	Panic 3 Hr. Fire	6'0" x 6'8" 6'0" x 6'8"	8' x 8' 8' x 8'	Two independent doors with three-point latching. Swinging in the same direction with mullion.	

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Features

FE5400S Series Multi-Point Exit Device Latching System

Handing
› Device is non-handed.
› Lever trim is handed.

Bar Length
› Standard: 36" (914mm) bar fits 36" (914mm) door.
› Optional: 42" (1067mm) bar fits 37"-42" (940mm-1067mm) door; specify W042
› Optional: 48" (1219mm) bar fits 36"-48" (914mm-1219mm) door; specify W048.
› Consult factory for additional lengths.

Door Height
› 7'0" standard (Can be cut down to 6'8")
› Optional: 7'2"; specify H0702
› Optional: 7'6"; specify H0706
› Optional: 8'0"; specify H0800

Door Thickness
› 1-3/4" (44mm) standard.

Latchbolts
Top Latch
› 5/8" stainless steel latch housing. Through hardened steel latchbolt, with 7/8" projection fortified with 1/4-20 steel Holo-Krome-mounting screws.

Center Bolt
› Full 3/4" (19mm) projection, 1" (25mm) wide, positive deadlocking by auxiliary bolt.

Bottom Bolt
› 7/8" square stainless steel bolt with 5/8" projection.

Materials
› Latchbolt: Nickel steel. Slide-action deadbolt with positive deadlocking by auxiliary bolt. Two-piece deadbolt mechanism utilizing a roll back lever which eliminates any contact (friction) with the strike during relocking.
› Device: Heavy duty cold forged steel chassis; heavy gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings

Projection
› 3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging
› Standard on panic-rated devices; single-point 1/4 turn hex key dogging.
› Optional: less dogging, specify M51.
› Optional: cylinder dogging; specify M52.
› Mechanical dogging not available on fire-rated devices.

Fasteners
› Standard on both panic devices and fire-rated devices: sex nuts and bolts.

End Cap Reinforcement (Standard)
› A solid steel plate, welded to the end bracket, evenly distributes impact forces over a larger surface area, eliminating point loading.

Strikes
Center Bolt Roller Strike
› Surface mounted 3/8" (10mm) diameter roller strike, complete with positive locking plate and shims, assuring low friction relocking for a long, trouble-free life.
› Supplied with locking plate and two 1/16" (1.6mm) shims. For doors with 1/2" (13mm) or 5/8" (16mm) stop. Adjustable to compensate for shrinkage and swelling of door. 3-1/2" x 1-1/4" (89mm x 32mm).
Bottom Strike
› Black nylon coated stainless steel
› 2-3/4" (70mm) x 2-5/16" (58mm) x 1/2" (13mm)

Interlock Bracket
› Black powder coated
› Complies with all life safety, fire, and windstorm codes while increasing security
› Works on single and pairs of doors with removable mullion
› No additional door or frame preparation or reinforcement required

Functions and Trims
› Through-bolted lever, knob, pull, thumbpiece and electrified trims available with wide range of functions; see Trims and Functions, pages 6-11.

Electronics
› The FE5400S Series offers electrified options, including electrically controlled trim. All options can be tied into existing security and fire alarm systems for easy monitoring. See page 11.

Mullion
› Removable Mullion
› See Mullions, page 15.

Cylinders
› Cylinder not included unless specified. See Quick Codes, page 18.

Warranty
Seven-year limited.

Certification/Compliance
› UL/cUL Listed:
FVSR/FVSR7 - Panic Hardware
GXHX/GXHX7 - Fire Exit Hardware, up to and including 3 hr. (A)
ZHLA - Windstorm Rated Assemblies (3'0" x 7'0" up to and including 4'0" x 8'0" singles; 6'0" x 7'0" up to and including 8'0 x 8'0" pairs)
› Any retrofit or other field modification to a fire-rated or windstorm-rated opening can potentially impact the rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated or windstorm-rated opening, or specifying and installing a new fire-rated or windstorm-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.
› FEMA 320 (2014)
› FEMA 361 (2015)
› ICC 500 (2014)
› Fully integrated - FE5400S Series is part of a complete ASSA ABLOY tornado and hurricane shelter solution utilizing Ceco StormPro® Series and Curries StormPro® Series doors and frames and McKinney® StormPro® hinges.
› ANSI A156.3 - 2008 Grade 1

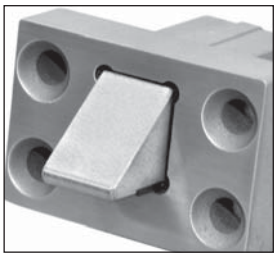
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Features

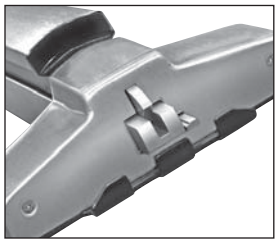
FE5400S Series Multi-Point Exit Device Latching System





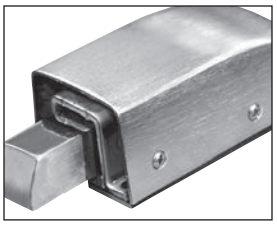
Top Latch

5/8" stainless steel housings, 3/4" projection with 1/8" door gap



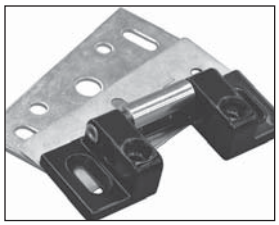
Center Bolt

Full 3/4" (19mm) projection, 1" (25mm) wide, positive deadlocking by auxiliary bolt



Bottom Bolt

7/8" square stainless steel bolt with 5/8" projection



Center Bolt Roller Strike

Surface-mounted 3/8" (10mm) diameter roller strike, complete with positive locking plate and shims, assuring low friction relocking for a long, trouble-free life.

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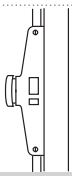
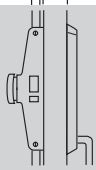
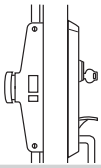
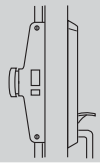
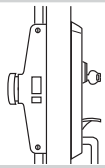
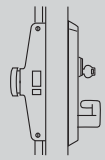
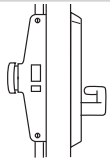
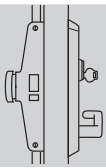
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Functions

FE5400S Series Multi-Point Exit Device Latching System

Trim

FE5400S Outside | Inside	Series/ Function	ANSI No.	Function Description
	Exit Only	01	Exit only; no trim.
	Dummy	02	Entrance by trim when actuating bar is dogged down.
	Classroom*	05	Entrance by thumbpiece. Key locks or unlocks thumbpiece.
	Passage	15	Entrance by trim when latch is retracted by thumbpiece. Thumbpiece is always active, no cylinder.
	Storeroom (Thumbpiece Active)	06	Entrance by thumbpiece only when released by key. Key removable only when locked.
	Classroom*	08	Entrance by knob or lever. Key locks or unlocks knob or lever.
	Passage	14	Entrance by trim when latchbolt is retracted by knob or lever. Knob or lever always active, no cylinder.
	Storeroom (Grip Active)	09	Entrance by knob or lever only when released by key. Key removable only when locked.

*Classroom function trims can be converted to Storeroom function by a simple field adjustment.

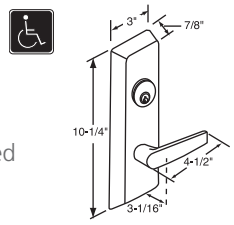
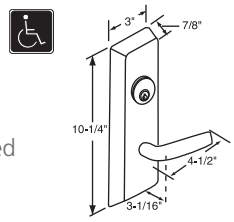
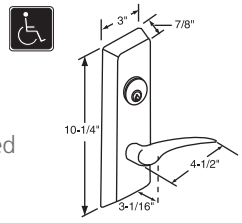
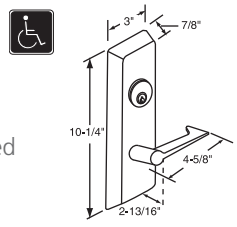
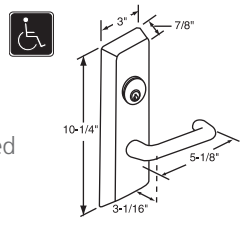
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Corbin Russwin
ASSA ABLOY

Heavy-Duty Trim Designs and Functions

FE5400S Series Multi-Point Exit Device Latching System

Features:
- Free Wheeling vandal-resistant design
- Beveled edges
- Through-bolted to exit device
- Flush cylinder with 6-pin cylinder applications
- 7-year limited warranty

Pull Trim Design	Trim Function			
	Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Storeroom ANSI No. 09
 ARMSTRONG A9 Lever: Cast Escutcheon: Forged Cylinder: Rim 	A910	A950	A955[1]	A959
 CITATION C9 Lever: Cast Escutcheon: Forged Cylinder: Rim 	C910	C950	C955[1]	C959
 DIRKE D9 Lever: Cast Escutcheon: Forged Cylinder: Rim 	D910	D950	D955[1]	D959
 ESSEX* E9 Lever: Cast Escutcheon: Forged Cylinder: Rim 	E910	E950	E955[1]	E959
 LUSTRA* L9 Lever: Cast Escutcheon: Forged Cylinder: Rim 	L910	L950	L955[1]	L959

1. Classroom function trims can be converted to Storeroom function by a simple field adjustment.
* Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

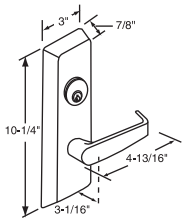
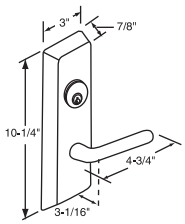
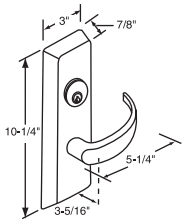
Experience a safer and more open world

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Pull Trim Design	Trim Function			
	Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Storeroom ANSI No. 09
 NEWPORT* N9 Lever: Cast Escutcheon: Forged Cylinder: Rim 	N910	N950	N955[1]	N959
 REGIS R9 Lever: Cast Escutcheon: Forged Cylinder: Rim 	R910	R950	R955[1]	R959
 PRINCETON* PR9 Lever: Cast Escutcheon: Forged Cylinder: Rim 	PR910	PR950	PR955[1]	PR959

1. Classroom function trims can be converted to Storeroom function by a simple field adjustment.
* Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

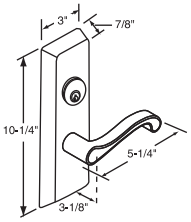
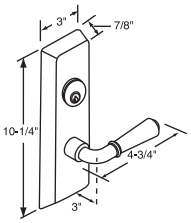
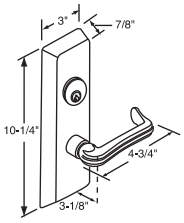
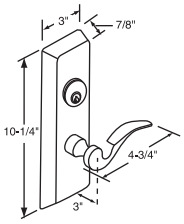
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Heavy-Duty Designs & Functions

FE5400S Series Multi-Point Exit Device Latching System

Features:
- Free Wheeling vandal-resistant design
- Beveled edges
- Through-bolted to exit device
- Flush cylinder with 6-pin cylinder applications
- 7-year limited warranty

Pull Trim Design	Trim Function			
	Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Storeroom ANSI No. 09
 FRASCATI FR9 Lever: Cast Escutcheon: Forged Cylinder: Rim 	FR910	FR950	FR955[1]	FR959
 MERLOT M9 Lever: Cast Escutcheon: Forged Cylinder: Rim 	M910	M950	M955[1]	M959
 TUSCANY TS9 Lever: Cast Escutcheon: Forged Cylinder: Rim 	TS910	TS950	TS955[1]	TS959
 ZINFANDEL Z9 Lever: Cast Escutcheon: Forged Cylinder: Rim 	Z910	Z950	Z955[1]	Z959

MUSÉO Available with *Muséo* Collection levers.

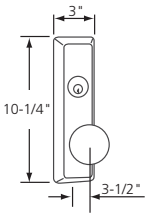
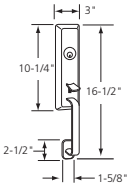
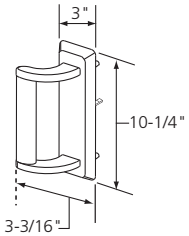
1. Classroom function trims can be converted to Storeroom function by a simple field adjustment.

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Utility Trim Designs & Functions

FE5400S Series Multi-Point Exit Device Latching System

Features:
- Free Wheeling vandal-resistant design
- Beveled edges
- Through-bolted to exit device
- Flush cylinder with 6-pin cylinder applications
- 7-year limited warranty

Pull Trim Design		Trim Function			
		Passage ANSI No. 14/15	Dummy ANSI No. 02	Classroom ANSI No. 05/08	Storeroom ANSI No. 09
	G900 TRIM Knob: Wrought Escutcheon: Forged Cylinder: Rim 	G910	G950	G955[1]	G959
	TH900 TRIM Pull: Extruded Escutcheon: Forged Cylinder: Rim 	TH910	TH950	TH955[1]	TH959
	OFFSET PULL P9 Pull: Extruded Escutcheon: Forged Specify Hand. Field Reversible. 	N/A	P950	N/A	N/A

1. Classroom function trims can be converted to Storeroom function by a simple field adjustment.

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Electrified Trim

FE5400S Series Multi-Point Exit Device Latching System

Electrically Controlled Heavy-Duty Trim

Electrically controlled trim provides electric locking and unlocking of the 900 Series heavy-duty lever trim. It easily retrofits into existing applications and is ideal for door control.

Advantages

- Available in Fail Safe or Fail Secure operation
- 24VAC/VDC
- Internal rectifier accepts AC or DC voltage
- Free Wheeling lever when locked
- Key override (specify cylinder)
- Plug connector with 4' wire lead (Exit device can be used as the wire raceway)

Trim

Utilizes all 900 series trim lever designs including the Vineyard™ Collection

Electrical Specifications

- Solenoid: 330 mA @ 24 Volts - continuous duty
- Security Monitor Switch (M98): 4 AMP @ 250VAC

Door Thickness

1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Cylinder

Cylinder not included unless specified. See Quick Codes, page 18.

How to Order

See page 21 for how to order.



Electrically Controlled Heavy-Duty Trim

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Electrified Functions

FE5400S Series Multi-Point Exit Device Latching System

Functions

Fail Secure

The x9905 trim is locked when power is off and unlocked when power is on.

	Description
x9905 (Fail Secure)	• Lever is locked when power is off (Free Wheeling) • Power on allows entry from trim • Inside device is always active for egress • Mechanical key override (09 Function – Key allows lever to retract latch bolt. Key can only be removed in locked position.)

Fail Safe

The x9903 trim is locked when power is on and unlocked when power is off.

	Description
x9903 (Fail Safe)	• Lever is locked when power is on (Free Wheeling) • Power off allows entry from trim • Inside device is always active for egress • Mechanical key override (09 Function – Key allows lever to retract latch bolt. Key can only be removed in locked position.)

x = Lever trim design - Standard, Vineyard™ and Muséo®

Options

M92	Touchbar Monitor
M93	Trim Monitor

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Electrified Options

FE5400S Series Multi-Point Exit Device Latching System

Monitors - M92, M93

Operation
Monitors are used to indicate the authorized and unauthorized use of an opening or to signal and control other opening hardware, such as magnetic locks. Each monitoring device is equipped with one internal single-pole double-throw (SPDT) switch per monitor.

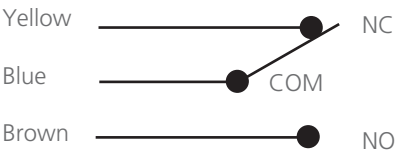
Touchbar Monitoring - M92
Request to Exit - REX

Provides indication of the pushpad being depressed. Used as a request to exit to shunt alarm systems, release electromagnetic locks or monitor egress.

Listings
UL listed for both Panic and Fire Exit Hardware.

Electrical Specifications
4 Amps @ 250 VAC contacts

Ordering
Specify Quick Code M92.



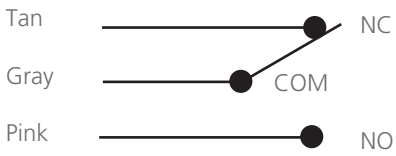
Outside Monitoring or Signaling - M93

Provides indication of the device being operated from the outside. Used as a request to enter signal switch to shunt alarms; also used to monitor entry.

Listings
UL listed for both Panic and Fire Exit Hardware.

Electrical Specifications
5 Amps @ 28VDC SPDT contacts

Ordering
Specify Quick Code M93.



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Electrified Options & Accessories

FE5400S Series Multi-Point Exit Device Latching System

BPS Power Supply



Operation

Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. Recommended for electric trim.

Features

- Individual output circuit breakers
- Regulated and filtered fuse protected outputs
- LEDs monitor zone status (voltage or no voltage)
- Slide switches connect or disconnect load from power (Not available on 1 Amp supplies)
- Internal Back-Up battery charging circuit
- Rugged steel enclosure
- Fire alarm interface

Electrical Specifications

- Inputs: 120VAC
- Outputs: 24 VDC @ 1 Amp, 2 Amp or 4 Amp, Filtered and regulated outputs

Listings

- UL-cUL CLASS 2
  - Signal Appliances
  - Access Control System Units
  - Special Locking Arrangements - Component
- CE

Applications

- 9903 – Fail Safe
- 9905 – Fail Secure

Note: Batteries are not included with the BPS power supply.

Model	Enclosure	Input	Output
BPS-24-1	12" (304mm) x 9" (229mm) x 4" (102mm)	120VAC	1.0 Amp @ 24 VDC
BPS-24-2	14" (356mm) x 14" (356mm) x 4" (102mm)	120VAC	2.0 Amp @ 24 VDC
BPS-24-4	15" (381mm) x 18" (457mm) x 6" (152mm)	120VAC	4.0 Amp @ 24 VDC

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Electrified Options & Accessories

FE5400S Series Multi-Point Exit Device Latching System

Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With *ElectroLynx*, doorway components come pre-wired for easy hookup to the power source. Key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of *ElectroLynx*:

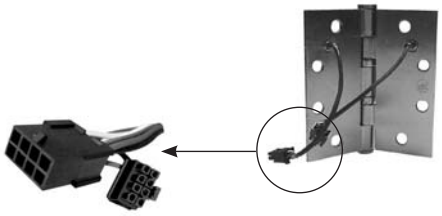
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect FE5400S Series Multi-Point Exit Device Latching System hardware to the electronic access control system, the following items are required:

- FE5400S Series Multi-Point Exit Device Latching System
- ASSA ABLOY Door Group pre-wired door, or *ElectroLynx* retrofit cable (order from McKinney)
- Electronic transfer device (*ElectroLynx* electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKinney)
- *ElectroLynx* cable from the hinge to above the ceiling (order from McKinney)

Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

The McKinney QC8 *ElectroLynx* Hinge is recommended for the 9903 function, the 9905 function and all options with the exception of M93. The McKinney QC12 *ElectroLynx* Hinge is recommended for the M93 option.



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Mullions

FE5400S Series Multi-Point Exit Device Latching System

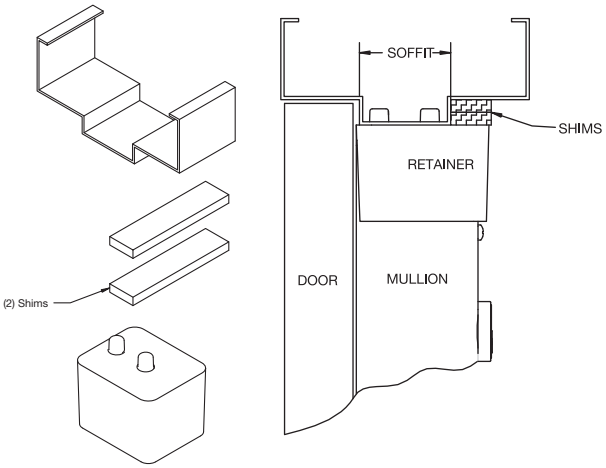


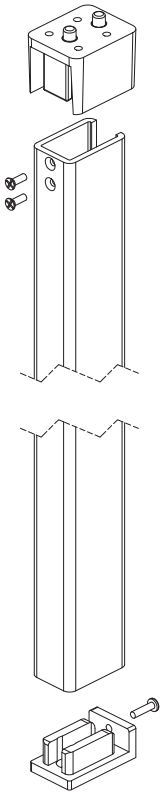
Mullions
May be quickly and easily removed when a full double door opening is temporarily required.

Materials and Finish
Steel mullions, 2" x 3" with malleable iron top and bottom retainers; furnished with zinc-plated fasteners for metal frames and concrete floors. May be cut, drilled and tapped in the field. Mullion and Mullion retainers are prime coat red paint.

Options
Mullion Stabilizer Kit
Controls the movement of the mullion. Recommended for openings over 7' high, or whenever door movement must be minimized. To order with mullion, specify M57. To order separately, specify Part No. 653F11-1 x 628 (aluminum).

Spacer Block
Recommended for double rabbeted frames where the stop face width is less than the mounting hole spacing and also for door frames 5-3/4" (176mm) or less. To order with a mullion, specify M95. To order separately, specify Part No 683F29-8.





How to Order

Removable Mullions

Door Height	Description	Specify Quick Code
7'0"	Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	FE707A[1]
Over 7'0" to 8'0"	Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	FE708A[1]

Notes:
1 For use with UL listed door assemblies that comply to FEMA P-320 (2014), FEMA P-361 (2015) and ICC 500 (2014).
For the latest listings on compliant door assemblies visit our website at corbinrusswin.com

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Options & Accessories/Cylinders

FE5400S Series Multi-Point Exit Device Latching System

Surface Vertical Rod Extension Kits

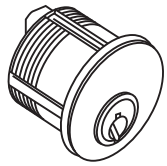
Used to extend the height of standard length rods supplied with vertical rod exit devices. Available in 2", 6" and 12" sizes. To order with exit device, see Quick Codes, page 18. To order separately, specify Part No. x Finish.

Rod Extension	Rod Extension Kit Part No.
2" (50mm)	655F15 x Finish
6" (152mm)	655F16 x Finish
12" (305mm)	655F17 x Finish

Note: Extending the height of the device above the listed door opening sizes does not carry windstorm certifications.

Cylinder Dogging

To order Cylinder Dogging with exit device, specify M52. Cylinder not included unless specified. Cylinder dogging not available for fire-rated devices. See Quick Codes, page 18.

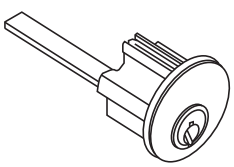


Description	Part Number	Cylinder Ring
6-pin	1000-118-A02	N/A
7-pin	1000-114-A02-7	270F15
6-pin, IC	1080-11 4-A02	270F15
7-pin, IC	1080-112-A02-7	654F07
6-pin, IC, less core	1070-114-A02	270F07
7-pin, IC, less core	1070-112-A02-7	654F07
6-pin, Security	1010-118-A02	N/A
6-pin, Security IC	1090-114-A02	270F15
7-pin, Pyramid Security	1027-114-A02	270F15
7-pin, Pyramid Security IC	1037-114-A02	270F15
7-pin, Pyramid High Security	1020-114-A02	270F15
7-pin, Pyramid IC High Security	1030-114-A02	270F15

Cylinders

900 Series Trim

Rim cylinders



Description	Part Number	Cylinder Ring
6-pin	3000-058	N/A
7-pin	3000-058-7	422F88
6-pin, IC	3080-058	422F88
7-pin, IC	3080-058-7	686F98
6-pin, IC, less core	3070-058	422F88
7-pin, IC, less core	3070-058-7	686F98
6-pin, Security	3010-058	N/A
6-pin, Security IC	3090-058	422F88
7-pin, Pyramid	3020-058	422F88
7-pin, Pyramid IC	3030-058	422F88
Pyramid Security	3027-058	422F88
Pyramid Security	3037-058	422F88

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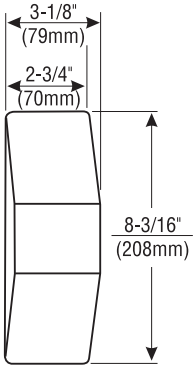
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Facts & Figures

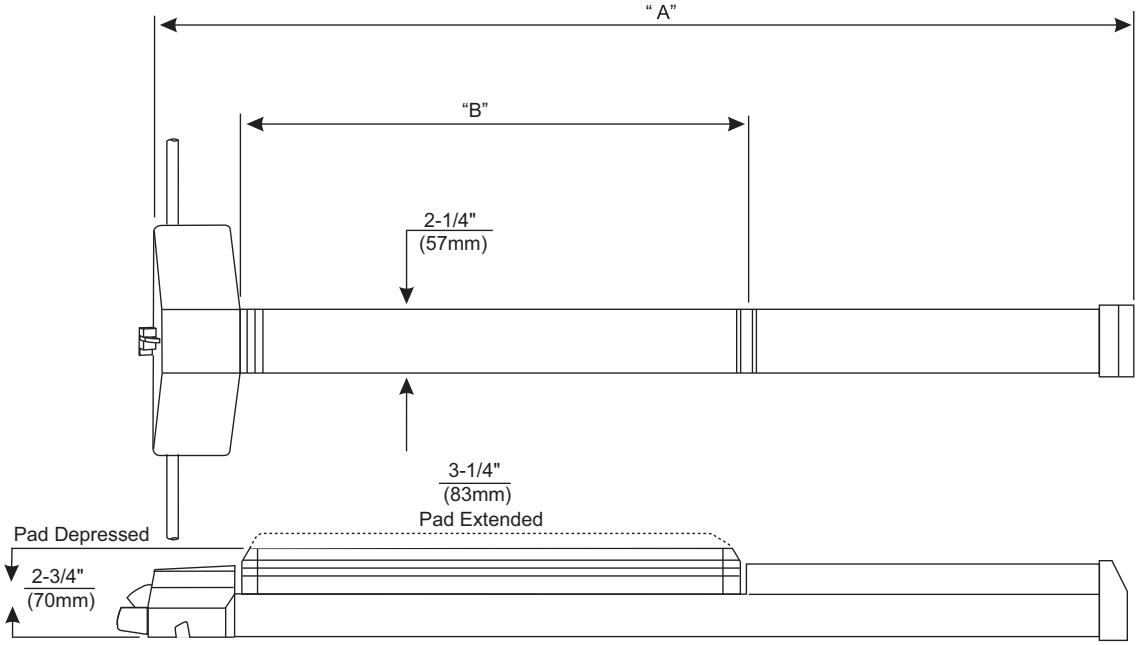
FE5400S Series Multi-Point Exit Device Latching System

FE5400S Series

Series	"A"	"B"
FE5400S x W032	28-7/8" (733mm)	18" (457mm)
FE5400S	32-7/8" (835mm)	18" (457mm)
FE5400S x W042	38-7/8" (987mm)	24" (610mm)
FE5400S x W048	44-7/8" (1140mm)	24" (610mm)



Cover Detail



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Quick Codes

FE5400S Series Multi-Point Exit Device Latching System

Cylinder and Keying

Description	Specify
Less cylinder(s)	(standard)
Conventional 6-pin	6P
Conventional 7-pin	7P
Security	HS
Security interchangeable core (IC)	CHS
IC 6-pin	C6
IC 6-pin with temporary construction core (Red)	CT6R
IC 6-pin with temporary construction core (Blue)	CT6B
IC 6-pin with temporary construction core (Green)	CT6G
IC 6-Pin with temporary disposable core	CT6D
IC 6-pin less core	CL6
SFIC 6-pin with less core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin (rim only)	C7
IC 7-pin with temporary construction core (Red)	CT7R
IC 7-pin with temporary construction core (Blue)	CT7B
IC 7-pin with temporary construction core (Green)	CT7G
IC 7-Pin with temporary disposable core	CT7D
IC 7-pin less core (rim only)	CL7
SFIC 7-pin with less core	CLS7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
Access 3 - Patented	AP
Access 3 - Security	AS
Access 3 - High Security	AHS
Access 3 IC - Patented	ACP
Access 3 IC - Security	ACS
Access 3 IC- High Security	ACHS
Pyramid Security fixed core	PS
Pyramid Security IC	PCS
Pyramid Fixed Core	PHS
Pyramid IC	PCHS
Pyramid with temporary construction core	CTP
Pyramid less core	CLP
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK

Cylinder and Keying (cont)

Description	Specify
Visual key control (VKC)	
No keying data stamped on key or cylinder	VKC0
Keys only	VKC1
Cylinders and keys (not for HS or CHS)	VKC2
Cylinders only (not for HS or CHS)	VKC3
Concealed key control (CKC)	
CKC cylinders with VKC keys	CKC2
CKC cylinders only	CKC3
2 keys per cylinder	(standard with cylinder)
Other than 2 keys	KY# (e.g., KY6)

Door Height

Door Height	Specify
7'0"	(standard)
7'2"	H0702
7'6"	H0706
8'0"	H0800

Door Width

Door Width	Specify
36" (914mm)	(standard)
42" (1067mm)	W042
48" (1219mm)	W048

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Quick Codes

FE5400S Series Multi-Point Exit Device Latching System

Door Thickness

Door	Specify
2-1/4" (57mm)	D214

Finish

Description		Specify
US3	Bright Brass	605
US4	Satin Brass	606
US9	Bright Bronze	611
US10	Satin Bronze	612
US10B	Dark Oxidized Satin Bronze, oil rubbed	613
US10BE	Dark Oxidized Satin Bronze - equivalent	613E
US14	Bright Nickel Plated	618
US15	Satin Nickel Plated	619
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626
	Satin Chromium Plated with MicroShield®	626C
US32	Bright Stainless Steel	629
US32D	Stain Stainless Steel	630
	Stain Stainless Steel with MicroShield®	630C
—	Black oxidized bronze, oil rubbed	722
—	Black Suede Powder Coat	BSP

Removable Mullion

Description	Specify
Door frame filler block for double rabetted frames	M95
Door frame angle bracket for aluminum frames	M96
Mullion stabilizer	M57
7'0" Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	FE707A[1]
Over 7'0" to 8'0" Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	FE708A[1]

1. For use with UL listed door assemblies that comply to FEMA P-320 (2014), FEMA P-361 (2015) and ICC 500 (2014).
For the latest listings on compliant door assemblies visit our website at corbinrusswin.com

Miscellaneous Options

Description	Specify
Knurling outside and inside (trim and device)	M20
Knurling outside only (trim side)	M21
Knurling inside only (device side)	M22
Abrasive coat outside and inside (trim and device)	M23
Abrasive coat inside only (device side)	M24
Abrasive coat outside only (trim side)	M25
PathLite™ Photoluminescent Touchbar Cover	M49
Less dogging	M51
Cylinder dogging	M52
Parabolic escutcheon	M60

Handing

Hand	Specify
Right Hand Reverse	RHR
Left Hand Reverse	LHR

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Quick Codes

FE5400S Series Multi-Point Exit Device Latching System

Electrified Options

Description	Specify
Request to Exit/Touchbar Monitoring or Signaling	M92
Outside Trim Monitoring or Signaling	M93
Security Monitor	M98*
Trim Gasket	M99

*9903/9905 trims only.

Electrified Accessories

Description	Part Number
Power supply 1.0 Amp @ 12 VDC output	BPS-12-1
Power supply 3.0 Amp @ 12 VDC output	BPS-12-3
Power Supply 1 Amp @ 24 VDC Output	BPS-24-1
Power Supply 2 Amp @ 24 VDC Output	BPS-24-2
Power Supply 4 Amp @ 24 VDC Output	BPS-24-4
SPDT Maintained Switch	MKA
SPDT Momentary Switch	MK
SPDT Momentary NS Switch	MKN
DPDT Momentary Switch	MK2
DPST Maintained (Al. Action) Switch	PB3EA
Sonalert 90lbs. @ 2 ft. 12-24VDC mounted on one gang stainless steel plate	PZ1
LEDs mounted on one gang stainless steel plate 12-24VDC (Red and Green)	ZLP-1
LEDs mounted on narrow gang plate (Red and Green)	ZLP
Concealed transfer for over 120° swing doors	EPTL

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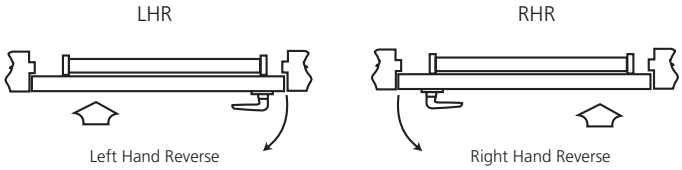
How to Order

FE5400S Series Multi-Point Exit Device Latching System

Ordering Examples

Exit Device Only

Quantity	Series/ Function	Finish	Hand	Misc. Options
65	FE5400S	626	RHR	M51



Note: Arrow (⌂) indicates secure side of door.

Trim Only

Quantity	Trim/ Function	Finish	Hand	Door Thickness
24	N955	625	RHR	D214

Exit Device with Trim

Quantity	Exit Device	Trim/ Function	Finish	Hand	Door Thickness	Door Width	Misc. Options
65	FE5400S	N955	605	LHR	D214	W048	M51

Contract/Detailed Order – Exit Device with Trim

Quantity	Keyset	Exit Device	Trim/ Function	Finish	Hand	Door Height	Door Width	Misc. Options	Cylinder Option
36	AA1	FE5400S	C955	626	LHR	H0800	W048	M52	7P

Exit Device with Electrified Trim

Quantity	Exit Device	Trim/ Function	Finish	Hand	Door Thickness	Door Width	Misc. Options
5	FE5400S	N9903	626	RHR	D214	W048	M98

Where to find ordering information and Quick Codes

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Electrified Accessories	Page 20

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Architectural Specifications

FE5400S Series Multi-Point Exit Device Latching System

FE5400S Series
Multi-Point Exit Device Latching System

Multi-point exit device systems: Multi-point exit device auto deadbolt locking systems are engineered for use on entry door applications at windstorm safe shelter locations. Fortified steel construction secures the door to the frame at top, bottom and center latching positions. All three latching points shall be automatically activated when the device is closed and retracted with one single motion of pushbar operation upon exiting.

1. Provide three point locking system as part of an integrated door, frame, and exit hardware assembly UL approved severe windstorm rating in accordance with FEMA P-320 (2014), FEMA P-361 (2015) and ICC 500 (2014).

2. Units shall be manufactured in compliance with NFPA 80 and NFPA 101 life-safety requirements and approved for usage on up to 3-hour, UL 10B or 10C fire rated openings.

3. Latchbolt construction:
   a. Center latch: 3/4"(19mm) throw stainless steel slide action deadbolt with positive deadlocking by auxiliary bolt.
   b. Top latch: Through-hardened steel latchbolt with 7/8" projection, and 5/8" stainless steel latch housing secured with ¼-20 Holo-Krome fasteners.
   c. Bottom Latch: 7/8" square stainless steel bolt with 5/8" projection.

4. Provide devices with heavy-duty, brass escutcheon trim and solid cast levers matching the design style and architectural finishes as the balance of the lockset and latches specified.

5. Heavy duty primed steel mullion is required for use with FE5400S Series when securing paired openings 6'0" x 7'0" to 8'0" x 8'0".

6. Cylinders and keying: Refer to separate part 2 Products - "Keying" paragraph sub-section for related keying requirements.

7. Three point locking system devices shall have seven-year limited warranty.

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Notes

FE5400S Series Multi-Point Exit Device Latching System

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ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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For additional information, contact your ASSA ABLOY Door Security Solutions sales consultant or visit **www.corbinrusswin.com.**

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Fax: 905-738-2478
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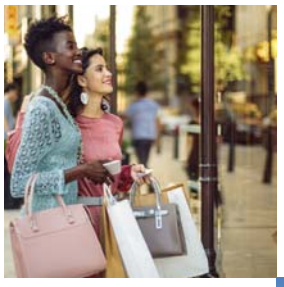
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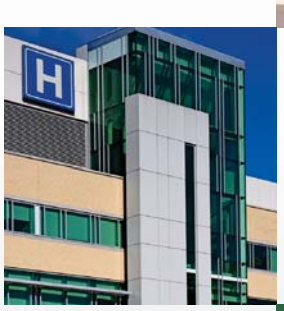


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FE6700 Series

Product Catalog

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Applications

FE6700 Series Storm Shutter Multi-Point Latching System

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Architectural Specifications.....10

www.corbinrusswin.com

The Corbin Russwin FE6700 Series is a robust three-point locking system engineered to help save lives by securing the shelter window openings. Extra-heavy duty steel components secure the shutter to the frame – at the top, bottom and center latch points – fortifying the opening to withstand extreme wind speeds and flying debris.

The FE6700 Series is UL Listed for FEMA P320 (2014), P361 (2015) and ICC 500-2014.

Typical applications include window openings located in:

- Community Shelters and Safe Rooms
- Corporate Campuses
- Schools
- Healthcare Facilities
- Government Facilities

Advantages

- Three-point auto deadlocking when shutter closes. No manual operation required
- Solid cast lever
- UL listed as a severe windstorm-rated assembly in accordance with FEMA P-320 (2014), P-361 (2015) and ICC 500-2014.
- Typical storm shutter applications use the passage lever x blank plate function (FE6780).
- Optional classroom function (FE6755) and passage or closet function (FE6710) also available.
- Heavy duty component construction with easy everyday use design

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Features

FE6700 Series Storm Shutter Multi-Point Latching System

Certification/ Compliance

› Meets FEMA P-320 (2014), FEMA P-361 (2015) and ICC 500 (2014) for inswing or outswing shutters 2'8" w x 3'0" h min to 4'0" w x 6'8" h max.

› Fully integrated – FE6700 Series is part of a complete ASSA ABLOY severe windstorm solution utilizing Ceco and Curries StormPro® shutters and frames and McKinney® hinges

› UL10C with a 3 hour fire rating

Note: Any retrofit or other field modification to a fire and/or windstorm rated opening can potentially impact the fire and/or windstorm rating of the opening, and Corbin Russwin makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire and/or windstorm rated opening, or specifying and installing a new fire and/or windstorm rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Handing

› Device is handed

Mortised Centerbolt

› Utilizes a one-piece heavy gauge chrome plated steel lock case, 3/16" thick stainless steel front.

› Center bolt and trim height location are set during installation allowing them to always remain in the center of the shutter, regardless of application and shutter height.

Deadbolt

› One-piece stainless steel, 19/32" x 1-1/4" x 1" throw

Front

› 1-1/8" x 4-7/8" x 3/16" thick stainless steel, one piece

Backset

› 2-3/4" standard

Center Bolt Strike

› 1/4" stainless steel strike

Top Latch

› 5/8" stainless steel latch housing. Through-hardened steel latchbolt, with 7/8" projection fortified with 1/4-20 steel Holo-Krome® mounting screws

Latch front

› 1/8" thick, through-hardened steel front

Shutter Sizes

› Single shutters
- Minimum 2'6" x 3'0"
- Maximum 4'0" x 6'8"

› Pair of Shutters
- Minimum 5'0" x 4'0"
- Maximum 8'0" x 6'8"

Shutter Swing

› Inswing or outswing

Bottom Bolt

› 3/4" diameter steel with 3/4" projection with 1/8" steel reinforcement plate

Strike

› Brass bottom strike with 1/4-20 steel *Holo-Krome* fasteners

Shutter Thickness

› FE6700 is for use with standard 1-3/4" thick shutters

Optional Cylinders for FE6755 Classroom Function

› Brass, 6-pin, L4 keyway, 0-bitted, 1-1/8" standard. Optional cylinders available; see Quick Codes

Optional Keys

› Two nickel silver standard

Optional Keying Features Available

› Master keying
› Construction master keying
› Visual key control
› Concealed key control
› 7-pin cylinder
› Security cylinder
› Pyramid cylinder
› Access 3® cylinder
› Interchangeable core (IC)
› Security IC
› Pyramid IC
› Access 3® IC

Warranty

› Seven-year limited

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Features

FE6700 Series Storm Shutter Multi-Point Latching System





Top Latch

5/8" stainless steel housings, 3/4" projection with 1/8" shutter gap



Center Bolt

Stainless steel deadbolt with 1" projection



Bottom Bolt

3/4" diameter steel with 3/4" projection



Center Bolt Strike

1/4" stainless steel strike

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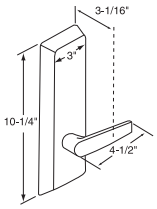
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Trim Designs

FE6700 Series Storm Shutter Multi-Point Latching System

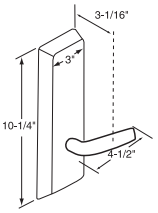


ARMSTRONG
ASH
Lever: Cast
Escutcheon: Forged



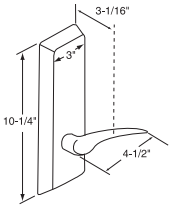


CITATION
CSH
Lever: Cast
Escutcheon: Forged



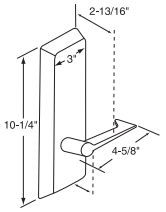


DIRKE
DSH
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Escutcheon: Forged



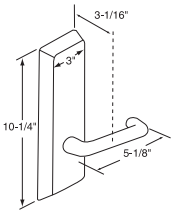


ESSEX
ESH
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Escutcheon: Forged



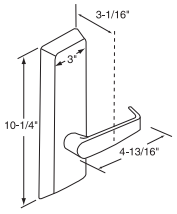


LUSTRA
LSH
Lever: Cast
Escutcheon: Forged



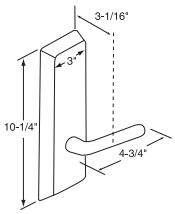


NEWPORT
NSH
Lever: Cast
Escutcheon: Forged





REGIS
RSH
Lever: Cast
Escutcheon: Forged



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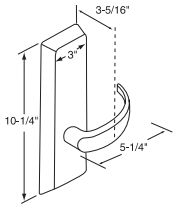
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Trim Designs

FE6700 Series Storm Shutter Multi-Point Latching System

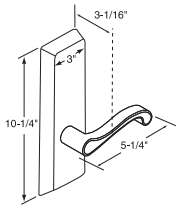


PRINCETON
PSH
Lever: Cast
Escutcheon: Forged



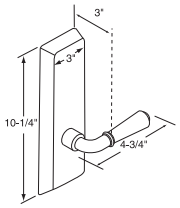


FRASCATI
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Escutcheon: Forged



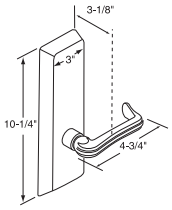


MERLOT
MSH
Lever: Cast
Escutcheon: Forged



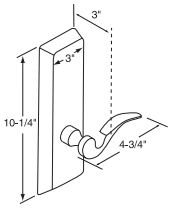


TUSCANY
TSH
Lever: Cast
Escutcheon: Forged





ZINFANDEL
ZSH
Lever: Cast
Escutcheon: Forged

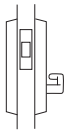


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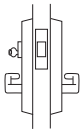
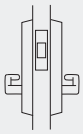
Functions and Options

FE6700 Series Storm Shutter Multi-Point Latching System

For Typical Shutter Applications

Outside | Inside	Series/ Function	Type	Function Description
	FE6780	Passage Lever x Blank Plate	• Three-point auto deadlocking. • Three-point latch retraction by inside grip. • Lever on one side, blank plate on the other. • Lever always free. • For inswing window storm shutters.

Optional Functions

Outside | Inside	Series/ Function	Type	Function Description
	FE6755	Classroom	• Three-point auto deadlocking. • Three-point latch retraction by grip either side, unless outside grip is locked by key outside. • Inside grip always free.
	FE6710	Passage or Closet	• Three-point auto deadlocking. • Three-point latch retraction by grip either side. • Both grips always free.

Miscellaneous Options

Description	Specify
Torx® head security screws	M04

Shutter Thickness

Shutter Thickness	Specify
1-3/4"	Standard

Shutter Height - Must be specified

Shutter Height	Specify
3'0" - 4'6"	H0400
4'6" - 6'8"	H0500

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Ordering Reference/Quick Codes

FE6700 Series Storm Shutter Multi-Point Latching System

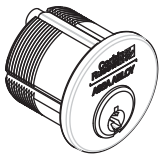
Optional Mortise Cylinders

- Conventional (standard for FE6700)
- Pyramid (optional)
- IC (optional)
- 2 nickel silver keys

Pyramid (Fixed Core)



Conventional (Fixed Core)



Interchangeable Core (IC)



Pyramid Shown

Cylinder Quick Codes

Mortise Cylinder Type	Cylinder Catalog Number
Pyramid High Security (PHS)	1020-114-A02
Pyramid High Security Interchangeable Core (PCHS)	1030-114-A02
Conventional 6-pin	1000-118-A02
7-pin (7P)	1000-114-A02-7
6-pin IC (C6)	1080-114-A02
7-pin IC (C7)	1080-112-A02-7
Security IC (CHS)	1090-114-A02
Security (HS)	1010-118-A02

FE6700 H-series escutcheon requires cylinder collars depending on length of cylinder specified.
To order collars separately, see below:

Specify	Cylinder Length
721F36	1-1/8"
721F37	1-1/4"
721F38	1-1/2"

Cylinders and Keying

Description	Specify
Conventional 6-pin	6P
Conventional 7-pin	7P
Less Cylinder(s)	LC
Security	HS
Security IC	CHS
Access 3- Patented	AP
Access 3 - Security	AS
Access 3 - High Security	AHS
Access 3 IC - Patented	ACP
Access 3 IC - Security	ACS
Access 3 IC- High Security	ACHS
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid with Temporary Construction Core	CTP
Pyramid Less Core	CLP
IC 6-pin	C6
SFIC 6-pin with Less Core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 6-pin with Temporary Construction Core	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 6-pin Less Core	CL6
IC 7-pin	C7
SFIC 7-pin with Less Core	CLS7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
IC 7-pin with Temporary Construction Core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin Less Core	CL7
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
0-bitted with 2 Blank Keys	
Keyed Random (Standard)	KR
Construction Master Keyed	CMK
Visual Key Control (VKC)	
- No bitting or keyset stamping on keys	VKC0
- Keys Only	VKC1
- Cylinders and Keys - (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders Only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed Key Control (CKC)	
- CKC Cylinders with VKC Keys	CKC2
- CKC Cylinders Only (not for PHS, PCHS)	CKC3
2 Keys per Lock	standard
More than 2 Keys	KY# (e.g., KY6)

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How to Order

FE6700 Series Storm Shutter Multi-Point Latching System

Ordering Examples

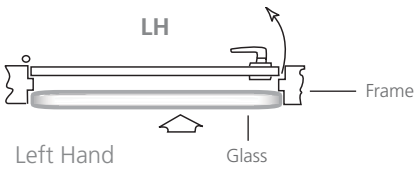
Stock Order

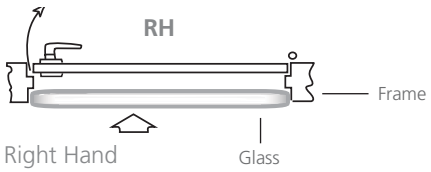
Quantity	Series/Function	Trim	Finish	Hand	Shutter Height
100	FE6780	FSH	626	RH	H0400

Stock Order

Quantity	Series/Function	Trim	Finish	Hand	Shutter Height
50	FE6780	NSH	625	LH	H0500

Handing





Note: Arrow indicates secure side of shutter

Function	Trim		Finish	Hand	Misc.
	Standard	Vineyard			
FE6755			605	RH	M04
FE6710	ASH	FSH	606	LH	
FE6780	CSH	MSH	611		
	DSH	TSH	612		
	ESH	ZSH	613		
	LSH		618		
	NSH		619		
	RSH		625		
	PSH		626		
			626C		
			629		
			630		
			630C		
			722		

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Bright Stainless Steel	629[1]
Satin Stainless Steel	630[1]
Satin Stainless Steel with MicroShield®	630C
Black Oxidized Bronze, Oil Rubbed	722
Black Suede Powder Coat	BSP

[1] Escutcheon finished to match 629, 630 finish

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Architectural Specifications

FE6700 Series Storm Shutter Multi-Point Latching System

FE6700 Series
Storm Shutter Multi-Point Latching System

Three-Point Locking System Devices: Three-Point, auto deadbolt locking devices are engineered for use on inswing shutter applications at windstorm safe shelter room locations. Concealed, fortified steel construction secures the shutter to the frame at top, bottom and center latching positions. All three latching points shall be automatically activated when the device is closed and retracted with one single lever activation motion.

1. The Multi-Point latching system device is part of an integrated shutter, frame and hardware assembly UL-listed to FEMA P320 (2014), FEMA P361 (2015) and ICC 500-2014 for inswing applications.

2. Latchbolt Construction:
   a. Mortised Centerbolt: Single piece, 13 gauge chrome plated steel lockcase with 3/16" thick stainless steel front. Stainless steel, 1" throw deadbolt. 2 3/4" backset standard with 1/4" stainless steel centerbolt strike.
   b. Top Latch: Through-hardened steel latchbolt with 7/8" projection, 1/8" steel latchbolt front, and 5/8" stainless steel latch housing secured with 1/4-20 Holo-Krome® fasteners.
   c. Bottom Bolt: 3/4" diameter steel nylon coated bolt with 3/4" projection and 1/8" steel reinforcement plate. Brass strike housing secured with 1/4-20 Holo-Krome fasteners.

3. Provide devices with heavy-duty, brass escutcheon trim and solid cast levers matching the design style and architectural finishes as the balance of the lockset and latches specified.

4. Inswinging storm shutters are furnished as a complete door, frame, and hardware assembly for openings measuring from 2'8" x 3'0" minimum to 4'0" x 6'8" maximum.

5. Three-Point locking system devices shall have a seven-year limited warranty.

6. Multi-Point latching system devices shall be FE6700 Series as manufactured by Corbin Russwin Architectural Hardware of Berlin, CT.

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Notes

FE6700 Series Storm Shutter Multi-Point Latching System

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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For additional information, contact your ASSA ABLOY Door Security Solutions sales consultant or visit **www.corbinrusswin.com.**

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Fax: 800-447-6714
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Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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MicroShield®
As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, registered with the EPA and FDA. Microshield® is a silver-based antimicrobial coating designed to inhibit the growth of bacteria. MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

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MP9800 Series

Product Catalog

Experience a safer
and more open world

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Overview

MP9800 Series



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Cylinders 12
Strikes 13
Quick Codes 14-15
Architectural Specifications 16

www.corbinrusswin.com

The MP9800 Series Multi-Point Lock is ideal for security applications, and joins the Corbin Russwin line of multi-point door security solutions including:

- The FE5400S and FE6800 Multi-Point auto deadlocking systems
- Exit Devices with the choice of concealed or surface mounted vertical rods

Eliminating the need for automatic flushbolts and coordinators, the MP9800 Series provides flexibility, simplicity, strength, durability, aesthetics and innovation and is perfect for a wide variety of applications that do not require panic/exit devices.

MP9800 Series multi-point locks are offered in a variety of functions for aluminum, wood and metal doors. Single point top latching can also be specified, eliminating the bottom strike and the additional installation work required with a bottom bolt. Rods are retracted by dual mounted controls offering wide a variety of functions.

The MP9800 Series is available for fire rated wood or metal doors.

Thermal pin requirements for fire rated doors:
- Double doors with two point latching on each do not require thermal pins
- Double doors with single point latching (M55) on each require a total of 2 thermal pins, one thermal pin (supplied) for each lock

Simplicity
- Easy installation!
- Maintenance free design
- Few moving parts – less wear
- Modular construction

Aesthetics
- Clean, simple, aesthetically pleasing design
- "True" architectural hardware finishes consistent with BHMA/ANSI standards
- Vineyard Series and Muséo Collection decorative levers available

Security
- Torx® screws available
- Master keying available with Corbin Russwin key systems: Access 3, Pyramid

Innovation
- The MP9800 Series is available with electric latch retraction (MELR), bolt monitoring, EcoFlex™ motor activated trim inside and outside lever monitoring

Strength & Durability
- Heavy duty mounting construction
- Built to withstand abusive conditions
- 5 Year warranty

MicroShield™

MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silverbased antimicrobial coating designed to inhibit the growth of bacteria.

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Features

MP9800 Series

Features

Handing
Field Reversible.

Doors*
Metal doors, 1-3/4" (44mm) door thickness standard, 4-1/2" minimum stile, 2-1/4" backset standard.

Aluminum doors (Quick Code-MPAD), 1-3/4" (44mm) door thickness (STD), 1-7/8" minimum stile, 7/8" backset (STD) for double doors, 1-1/8" backset for single doors.

Wood doors (Quick Code-MPWD), 1-3/4" (44mm) door thickness standard, 4-1/2" minimum stile, 2-1/4" backset standard.

Mounting
Supplied fasteners are for all doors with through-bolts for trim.

Rods
Steel. Top and bottom bolt travels 7/16" (11mm) Projection adjustable up to 3/4" (19mm).

Latching
Top and Bottom or Top only (M55).

Trim
Features EcoFlex™ technology. Available with all lever designs. Auxiliary Control offers cylinder override for 01, 40, 50, 903 & 905 functions.

Top and Bottom Bolts
Stainless steel top and bottom bolt travels 7/16" (11mm). Projection adjustable up to 1" (25mm).

Strikes
See page 13.

Cylinder
See cylinders page 12.

Applications
Pairs of doors that do not require panic devices

When flush bolts are not permitted in:
- Assembly
- Education
- Healthcare
- Hazard Occupancy

Single doors that do not require a panic device with power operators

Thermal Pins
MP9800A x M55: supplied with ONE thermal pin per fire-rated lock, for installation on pairs of fire-rated doors.

Warranty
5 year.

Certification/Compliance

ANSI
Meets A117.1 Accessibility Code.

UL /cUL
Three-hour fire-rated locks listed as fire hardware for A label and lesser class 8' x 8' double doors; UL symbol on cover indicates listing. Any retrofit or other field modification to a fire-rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA
All fire-rated locks comply with NFPA 80 Fire Doors and Windows.

ADA
Lever trims comply with Americans with Disabilities Act.

Featuring EcoFlex™ Technology*

- Reduces energy consumption up to 95%, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Lock operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

*Patent pending



***NOTE:** Must specify MPAD or MPWD when ordering

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Function Combinations

MP9800 Series

Available Function Combinations:			Inside Function (N)								
			10	45[1]	49[1]	50	52	55[1]	59[1]	903[1]	905[1]
Blank Escutcheon Plate	Exterior Function (E)	01	X	X	X			X	X	X	X
Passage only (No cylinder)		10	X	X	X			X	X		
No outside Operation (No Cylinder); Pull Only		40[2]	X	X	X					X	X
Class Room Key Outside Unlocks/locks Trim		45	X	X	X						
Key unlocks Trim; Trim retracts latch; Trim relocks when key is removed		49	X	X	X					X	X
Freewheeling Trim; No Outside Operation		50						X	X		
Key outside unlocks/locks O/S trim; Key inside unlocks/locks O/S trim		52					X				
Freewheeling Trim; Key Outside Unlocks/locks Trim		55	X			X		X	X		
Freewheeling Trim; Key unlocks Trim; Trim retracts latch/Trim relocks when key is removed		59	X			X		X	X		
Electrified Trim - Fail Safe (No Cylinder)		903[3]	X	X	X					X	X
Electrified Trim - Fail Secure (No Cylinder)		905[3]	X	X	X					X	X

1. Not recommended for use on any door used for Life Safety egress
2. Rigid lever
3. 903 and 905 functions require the voltage to be specified, 12V or 24V.

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UL Ratings

MP9800 Series

Device	Maximum Door Opening	UL Fire Door Hardware Rating				Pair of Doors, Swinging in Same Direction. Notes:	Pair of Doors Swinging in Opposite Directions. Notes:
		3 Hours (A)	1-1/2 Hour (B)	3/4 Hour (B)	20 min. (B)		
MP9800(A/B) x MP9800(A/B)	8' x 10' Hollow Metal	X	X	X	X	2A, 2B	2B
MP9800(A/B) M55 x MP9800(A/B) M55	8' x 10' Hollow Metal	X	X	X	X	2A, 2B, 3A	2B, 3A
MP9800(B) MPWD x MP9800(B) MPWD	8' x 8' Wood		X	X	X	2A, 2B	2B
MP9800(B) M55 MPWD x MP9800(B) M55 MPWD	8' x 8' Wood		X	X	X	2A, 2B	2B

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Note 2A: An astragal cannot be used when both doors are active, unless a coordinator is also used.

Note 2B: Door construction limitations or building code may require the use of an astragal to match the maximum hardware listing.

Note 3A: Hardware listing requires 2 thermal pins, door-to-door orientation.

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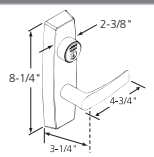
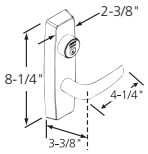
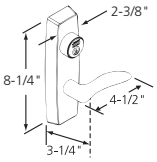
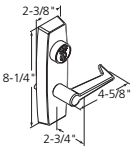
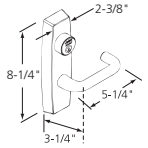
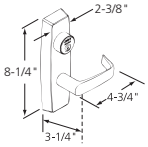
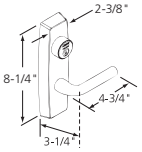
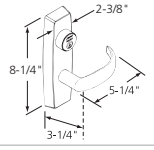
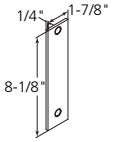
Trim

MP9800 Series

Features:

- Beveled edges
- 5-year limited warranty

Note: Must designate E for exterior function or N for interior function when specifying order.

Pull Trim Design			Trim Designation
	**Armstrong** Lever: Cast Escutcheon: Forged		A
	**Citation** Lever: Cast Escutcheon: Forged		C
	**Dirke** Lever: Cast Escutcheon: Forged Handed: Specify RHR or LHR		D
	**Essex** Lever: Cast Escutcheon: Forged		E
	**Lustra** Lever: Cast Escutcheon: Forged		L
	**Newport** Lever: Cast Escutcheon: Forged		N
	**Regis** Lever: Cast Escutcheon: Forged		R
	**Princeton** Lever: Cast Escutcheon: Forged		PR
	**Blank Escutcheon Plate** **01**		01

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Trim

MP9800 Series

Muséo Collection trim is available in a broad array of designs and finishes.
All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.CorbinRusswin.com to mix and match styles and finishes.

Note: Must designate E for exterior function or N for interior function when specifying order.

Muséo®

Georgia



101[3] 102 103 104[3] 124[1] 125[1]

Salvador



106 107 108 109 110 123[1] 128[1]

Marc



111[3] 112[3] 113[3] 114[3] 115[3] 116[3] 130[1,3] 131[1,3] 132[1,3]

Pablo



117[3] 126[1,3]

Jackson



105[3] 119[3] 121[3] 122[3] 127[1,3]

Piet*



21G 21L 21M 21S 23M 25M 27M

Joseph[2]



133 134[2] 135 136[1] 137 138[1]

Georges



139 140 141 142 143

1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. 135-138 contain white or black polycarbonate inserts
3. Not available in 32D or 32 finish

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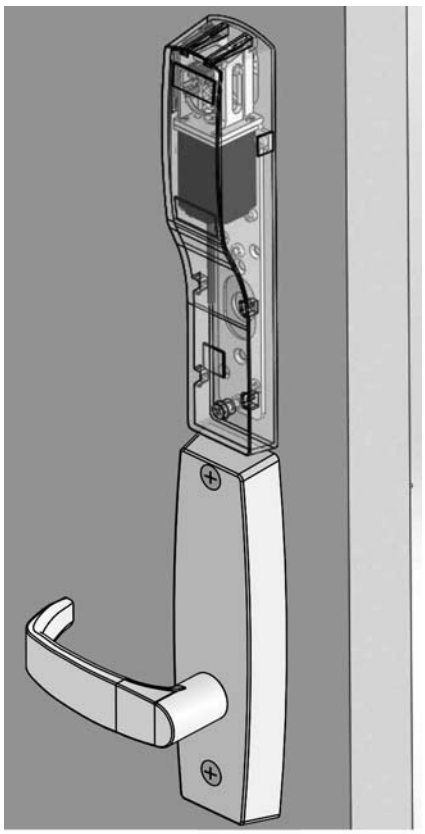
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Motorized Electric Latch Retraction Option (MELR)

MP9800 Series

Corbin Russwin's Motorized Electric Latch Retraction (MELR) is the perfect choice for high traffic doors that require access control. This non-handed module is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner.

The MELR can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The lock can be dogged continuously on fire-rated locks that are tied into the building's fire detection system.



Motorized Electric Latch Retraction Features

- 5 year warranty
- Patented
- Field serviceable - modular design
- Supports electrified dogging
- Motor-driven latch retraction for smooth, precise operation
- Amount of latch retraction is automatically controlled by the MELR circuitry; System actively monitors its position and adjusts itself
- Digital retraction timer (0-20 seconds; factory setting is 0)
- Standard electric hinge - no special power transfer required
- Can be used for continuous and intermittent use
- UL Listed for Class II Circuitry
- Power Requirements: 24 or 12VDC regulated/filtered power supply (BPS Series)
- Current draw:
  - 24VDC: 700mA during retraction & 150mA maintained in dogged position
  - 12VDC: 850mA during retraction & 250mA maintained in dogged position
- Available for MP9800 series only
- See page 10 for compatible functions
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a MELR option (e.g., MP9800 x 108E45 x 108N10 x 626 x MELR)

Optional Accessories

- Power Supply (BPS)
- Keyswitch (MKA)
- Keypad (DK-12)
- Door Status Switch (708F989)
- Push Button Switch (PB2)

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MELR Function Combinations & Electrical Options

MP9800 Series

Available Function Combinations When Used With an MELR option			Inside Function (N)					
			10	45*	49*	52	55*	59*
Blank Escutcheon Plate	Exterior Function (E)	01	MELR	MELR	MELR		MELR	MELR
Passage only (No cylinder)		10**	MELR	MELR	MELR	MELR	MELR	MELR
No outside Operation (No Cylinder); Pull Only		10+	MELR	MELR	MELR		MELR	MELR
Class Room Key Outside Unlocks/locks Trim		45	MELR	MELR	MELR		MELR	MELR
Key unlocks Trim; Trim retracts latch; Trim relocks when key is removed		49	MELR	MELR	MELR		MELR	MELR
Freewheeling Trim; No Outside Operation		50	MELR	MELR	MELR		MELR	MELR
Key outside unlocks/locks O/S trim; Key inside unlocks/locks O/S trim		52				MELR		
Freewheeling Trim; Key Outside Unlocks/locks Trim		55	MELR	MELR	MELR		MELR	MELR
Freewheeling Trim; Key unlocks Trim; Trim retracts latch/Trim relocks when key is removed		59	MELR	MELR	MELR		MELR	MELR

* Not recommended for use on any door used for Life Safety egress
** Passage function, non-locking
+ Rigid lever

Electrified Hinge Options (Not Supplied by Corbin Russwin)

One Hinge	NONE	53	54	55	53-54	53-55
NONE	—	QC4	QC8^	QC8^	QC12	QC12
Fail safe	QC8^	QC12	QC8^	QC8^	QC12	QC12
Fail Secure	QC8^	QC12	QC8^	QC8^	QC12	QC12
MELR	QC8^	QC12	—	—	—	—

Two Hinges◆	NONE	53	54	55	53-54	53-55
NONE	—	—	—	—	—	—
Fail safe	—	—	—	—	—	—
Fail Secure	—	—	—	—	—	—
Fail Safe, Fail Safe	QC8, QC8	QC8, QC12	QC8, QC8	QC8, QC8	QC8, QC12	QC8, QC12
Fail Secure, Fail Secure	QC8, QC8	QC8, QC12	QC8, QC8	QC8, QC8	QC8, QC12	QC8, QC12
Fail Secure, Fail Safe	QC8, QC8	QC8, QC12	QC8, QC8	QC8, QC8	QC8, QC12	QC8, QC12
MELR	—	—	QC8, QC8^	QC8, QC8^	QC8, QC12	QC8, QC12

^ Available on wood door
◆ Consult power transfer manufacturer and door manufacturer for load bearing hinge requirements.

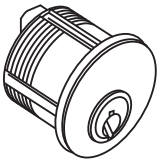
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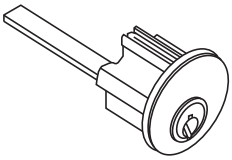
Cylinders

MP9800 Series

Mortise



Rim



(Used for N52 function only)

		Trim Functions							
Description	**Cylinder Type**	***45**	***49**	***E52 (Outside)**	***N52 (Inside)**	***55**	***59**	**AUX155**	**AUX159**
6 Pin	1000-118-A07	X	X	X		X	X	X	X
	3000-200				X				
7 Pin	1000-114-A07-7	X	X	X		X	X	X	X
	3000-200-7				X				
Access 3 Patented	1500-114-A07	X	X	X		X	X	X	X
	3500-200								
Access 3 Security	1600-114-A07	X	X	X		X	X	X	X
	3600-200				X				
Access 3 High Security	1700-114-A07	X	X	X		X	X	X	X
	3700-200				X				
Acess3 IC Patented	1580-114-A07	X	X	X		X	X	X	X
	3580-178				X				
Access 3 IC Security	1680-114-A07	X	X	X		X	X	X	X
	3680-178				X				
Access 3 IC High Security	1788-114-A07	X	X	X		X	X	X	X
	3788-178				X				
Pyramid Security	1027-114-A07	X	X	X		X	X	X	X
	3027-200				X				
Pyramid Security IC	1037-114-A07	X	X	X		X	X	X	X
	3037-178				X				
Pyramid High Security	1020-114-A07	X	X	X		X	X	X	X
	3020-200				X				
Pyramid High Security IC	1030-114-A07	X	X	X		X	X	X	X
	3030-178				X				
Pyramid IC IC 6 Pin IC 6 Pin - Red IC 6 Pin - Blue IC 6 Pin - Green	1080-114-A07	X	X	X		X	X	X	X
	3080-178				X				
Pyramid IC (Disposable) Pyramid IC Less Core IC 6 Pin Less Core IC 6 Pin (Disposable)	1070-114-A07	X	X	X		X	X	X	X
	3070-178				X				
SFIC 6 Pin Less Core IC 6 Pin w/ SFIC (Disposable)	1040-114-A07	X	X	X		X	X	X	X
	3040-178				X				
Security	1010-114-A07	X	X	X		X	X	X	X
	3010-200				X				
Security IC	1090-114-A07	X	X	X		X	X	X	X
	3090-178				X				
IC 7 Pin IC 7 Pin - Red IC 7 Pin - Blue IC 7 Pin - Green	1080-134-A07-7	X	X	X		X	X	X	X
	3080-178-7				X				
IC 7 Pin Less Core	1070-134-A07	X	X	X		X	X	X	X
IC 7 Pin (Disposable)	3070-178-7				X				
SFIC 7 Pin Less Core	1040-134-A07	X	X	X		X	X	X	X
IC 7 Pin w/ SFIC (Disposable)	3040-178-7				X				

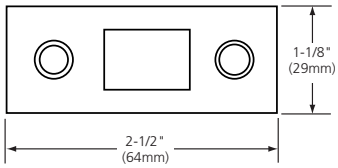
Experience a safer
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Strikes & Back Plates

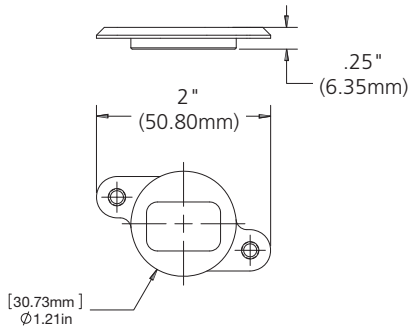
MP9800 Series

Top Strike (Metal and Wood Doors)



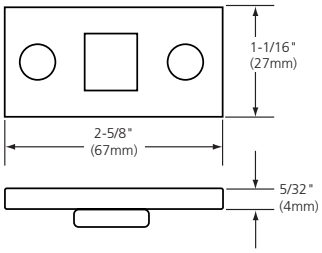
- For MP9800, MP9800A, MP9800 x M55, MP9800A x M55
- Stainless steel
- Part # 764F577

Strike Kits (Aluminum Doors)



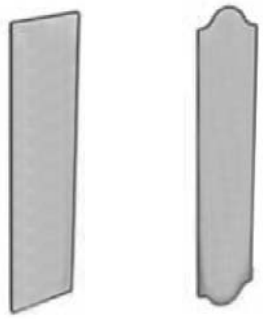
- For MP9800 x MPAD
- Steel with Black Nylon Coating
- Machine Screws Supplied
- 764F597 Kit contains 2 strikes (Top & Bottom)
- 764F607 Kit contains 1 strike (Top Only)

Bottom Strike (Metal and Wood Doors)



- For MP9800, MP9800A
- Mortised into floor
- Stainless steel
- Part # 764F587

MPER & MPES Trim Back Plates



MPER MPES

The back plates are:
- Mounted between the trim and the door
- Required for wood doors (MPWD)
- Optional on metal doors

Note: May be used to cover existing door preps

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How to Order

MP9800 Series

Ordering Examples

Metal Door

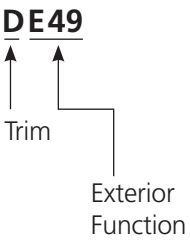
Quantity	Series	Trim/Exterior Function	Trim/Interior Function	Finish	Hand	Door Thickness	Door Height	Misc. Options	Voltage for Electrified Trim*
65	MP9800	DE49	DN10	605	LHR	D214	H0800	M55	12VDC

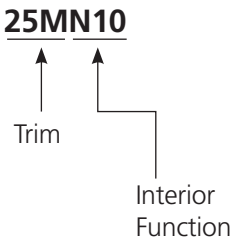
Wood Door

Quantity	Series	Trim/Exterior Function	Trim/Interior Function	Finish	Hand	Door Thickness	Door Height	Misc. Options	Voltage for Electrified Trim*
11	MP9800	NE55	NN50	626	RHR	D214	H0706	MPWD, MPER	12VDC

*Specify voltage desired for 903 and 905 function (12VDC/24VDC)

Trim Designation Description





Where to find ordering information and Quick Codes

Functions ..... Pg 4 & 10
Trims ..... Pg 6
Cylinders and Keying ..... Pg 14
Door Height ..... Pg 14
Strike ..... Pg 13
Finish ..... Pg 15
Door Thickness ..... Pg 14
Handing ..... Pg 15
Miscellaneous Options ..... Pg 15

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How to Order the Muséo® Piet Levers

MP9800 Series

Piet Finish Codes

BHMA Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
N/A	BH	Wood insert
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	292929 or 303030
21L	Leather Insert	29BK29, 29BN29 or 30BK30, 30BN30
21M	Metallic Insert	293029** only
21S	Santoprene Insert	29BK29 or 30BK30
23M	Raised Band	290029, 300030 or 290030**
25M	Plain	290029 or 300030
27M	Two Grooves	290029 or 300030

**Two-tone finish - grip of lever is 630, balance of lever is 629. Escutcheon finish will be 618.

Ordering Examples

Quantity	Series	Trim/Exterior Function	Trim/Interior Function	Finish	Lock Finish	Hand	Door Height	Cylinder Option	Misc. Options
4	MP9800A	25ME10	25MN10	300030	630	RHR	H0702	CL6	M55

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Quick Codes

MP9800 Series

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard) 6P
Conventional 7-pin	7P
Less cylinder(s)	LC*
IC 6-pin	C6
IC 6-pin with temporary construction core	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 6-pin less core ⊙⊙	CL6
SFIC 6-pin with SFIC disposable temporary core ⊙⊙	CT6SD
SFIC 6-pin with Less Core[1] ⊙⊙	CLS6
IC 7-pin ⊙⊙	C7
IC 7-pin with temporary construction core ⊙⊙	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin less core ⊙⊙	CL7
SFIC 7-pin with SFIC disposable temporary core ⊙⊙	CT7SD
SFIC 7-pin with Less Core[1] ⊙⊙	CLS7
Security ⊙⊙	HS
Security IC ⊙⊙	CHS
Access 3 - Patented ⊙⊙	AP
Access 3 - Security ⊙⊙	AS
Access 3 - High Security ⊙⊙	AHS
Access 3 IC - Patented ⊙⊙	ACP
Access 3 IC - Security ⊙⊙	ACS
Access 3 IC- High Security ⊙⊙	ACHS
UL IC 6-Pin Housing Less Core	CL6AH
UL IC 6-Pin Housing with Disposable Core	CTAHD
UL IC 6-Pin Housing with (Red/Blue/Green) Temporary Construction Core	CT6AH(R/B/G)
Pyramid High Security Fixed Core ⊙⊙	PHS
Pyramid High Security IC ⊙⊙	PCHS
Pyramid IC Less Core ⊙⊙	CLP
Pyramid with temporary construction core ⊙⊙	CTP
Pyramid Security ⊙⊙	PS
Pyramid Security IC ⊙⊙	PCS
Pyramid Disposable Core ⊙⊙	CTPD
6-Pin Disposable Core ⊙⊙	CT6D
7-Pin Disposable Core ⊙⊙	CT7D

⊙⊙ Indicates availability with ML200VR lockset

*Not available with 52 function

Cylinder and Keying (cont)

Description	Specify
Keyed random ⊙⊙	KR
Construction master keyed (not available for Pyramid) ⊙⊙	CMK
Visual key control ⊙⊙	
- No keying data stamped on key or cylinder	VKC0
- Keys only	VKC1
- Cylinders and keys (not for HS, CHS, PHS, PCHS, AS, ACS, AHS, or ACHS)	VKC2
- Cylinders only (not for HS, CHS, PHS, PCHS, AP, ACP, AS, ACS, AHS or ACHS)	VKC3
Concealed key control (CKC) ⊙⊙	
- CKC cylinders with VKC keys	CKC2
- CKC cylinders only (not for HS, CHS, PHS, PCHS, AP, ACP, AS, ACS, AHS or ACHS)	CKC3
2 keys per lock More than 2 keys	(standard) KY# (e.g., KY6)

1. Not available with ML2029.
2. Not available for ML2017, ML2029 or ML2032 x MR, ML2000HS or ML2000VR.

Door Height

Door Height	Specify
7'0"	(standard)
7'2"	H0702
7'6"	H0706
8'0"	H0800
9'0"	H0900
10'0"	H1000

Note: Maximum adjustment of rod length is 3/4"

Door Thickness

Door	Specify
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

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Quick Codes

MP9800 Series

Finish

Description	Specify
Bright Brass	605
Satin Brass	606
Bright Bronze	611
Satin Bronze	612
Dark Oxidized Satin Bronze, oil rubbed	613
Dark Oxidized Satin Bronze Equivalent	613E
Bright Nickel Plated	618
Satin Nickel Plated	619
Bright Chromium Plated	625
Satin Chromium Plated	626
Satin Chromium Plated with MicroShield®	626C
Bright Stainless Steel	629*
Stain Stainless Steel	630*
Black Suede Powder Coat	BSP

*Only available with Piet Collection

Handing

Hand	Specify
Right Hand	RH
Right Hand Reverse	RHR
Left Hand	LH
Left Hand Reverse	LHR

Miscellaneous Options

Description	Specify
Torx® head screws	M04
Knurling outside and inside	M20
Knurling outside only	M21
Knurling inside only	M22
Abrasive coat outside and inside	M23
Abrasive coat inside only	M24
Abrasive coat outside only	M25
Less bottom vertical rod	M55
Windstorm	M107
Aluminum Door	MPAD*
Rectangular Back Plate *(Required for Wood Door - MPWD)*	MPER
Back Plate *(Required for Wood Door - MPWD)*	MPES
Lever Hold Back	MPHB
Wood Door	MPWD*
Aux Control (Classroom)	AUX155
Aux Control (Storeroom)	AUX159

*Must specify Quick Code when ordering for aluminum or wood doors

Electrified Options

Description	Specify
Latchbolt Monitoring	M91
O/S Lever Monitoring	M93
I/S Lever Monitoring	M92
Electric Latch Retraction	MELR

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Architectural Specifications

MP9800 Series

Architectural Specifications

A. Multi-Point Locking Solutions shall be MP9800 Series as manufactured by Corbin Russwin, Berlin, CT.

B. Multi-Point Locking Solutions shall be listed by Underwriters Laboratories and bear the UL label in full compliance with NFPA 80. Multi-Point Locking Solutions for fire labeled doors shall be UL listed as "Fire Hardware".

C. Rods shall be retracted in one operation by dual mounted lever controls with a complete range of functions, including electro-mechanical, on the secure side of the door.

D. The lock shall also be available as a single latching lock with top latching only, eliminating the bottom strike.

E. Lever trim shall be available in finishes and designs to match that of the specified locksets.

F. Sargent 7000 Multi Point is the only approved substitute.

G. Multi-point locks shall have a five year limited warranty.

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Notes

MP9800 Series

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ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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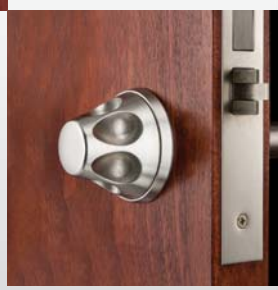
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Specialty Hardware

Product Catalog

Experience a safer
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45205 6/19

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Features

ML2000 and ML20900 Series with BHSS Trim*

Part of the Behavioral Health Series® of products, the ML2000 Series mortise lock with BHSS trim has tapered surfaces and an integrated lever and escutcheon, bringing an elegant style to behavioral health environments. The ML2000 Series' heavy-duty design and ANSI/BHMA Grade 1 strength help it to withstand abuse in any environment.



Patent pending and/or patent www.assaabloydss.com/patents

Features

Handing
Handed - Must specify on order.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 15.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought stainless steel attached by machine screws to lockcase front. Utilizes security Torx® screws. Torx® screws come standard.

Latchbolt
2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub
Lever: steel, 5/16" (8mm).

Lever
Cast stainless steel.

Escutcheon
Cast stainless steel.

Strike
Wrought stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Thumbturn
Cast stainless steel construction. See page 13.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard.
Optional cylinders available; see Quick Codes, page 15.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Access 3 cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Access 3 IC
Pyramid IC

Functions
Available with all ML2000 functions except ML2050, ML2070 and ML2080.
Available with all ML20900 electrified mortise lock functions. Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Electrical Specifications
(Fail Safe/Fail Secure)
12/24VDC @ 15mA Continuous
12/24VDC Peak current draw = .5A
(Maximum of 2 locks per 1A Power Supply)
Monitor Switch Rating: 2 amp @ 24VDC
Note: Operating voltage not to exceed +/- 10%.
See Quick Codes, page 16.

Monitor Options

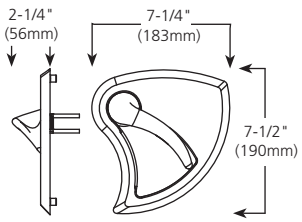
M91 - Latchbolt Monitor
Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.

M92 - Request to Exit Monitor
Request to Exit monitoring is a SPDT switch which monitors the activation of the trim. (Both levers activate switch)

M105 - Security Monitor
Security Monitor is two switches in series that monitors lock status (locked or unlocked) and Auxiliary Latch position.
Note: Monitoring options may only be ordered together as follows: M91xM92, M92xM105.

Warranty
Ten-year limited. Two-year limited warranty on electronic components.

Trim Dimensions



Certification/Compliance

ANSI/BHMA
Certified A156.13 Series 1000, Operational and Security Grade 1.
Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

UL-cUL-UL10C Positive Pressure
All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair.
Letter F and UL symbol on armored front indicate listing.
Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

**Although this product is better designed for behavioral health applications than traditional trim, it does not eliminate the risk that an object can be affixed to, or around it.*

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Features

ML2000 and ML20900 Series with BLSS Trim*

Part of the Behavioral Health Series®, the ML2000 Series mortise lock with BLSS trim offers durability and strength in behavioral healthcare settings. With a variety of available functions, it is flexible enough to use in many applications, and the sloped surfaces and overlapping lever and rose construction address common concerns in behavioral health.



Features

Handing
Non-handed.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 15.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought stainless steel attached by machine screws to lockcase front. Utilizes security Torx® screws. Torx® screws come standard.

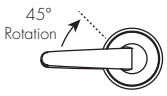
Latchbolt
2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub
Lever: steel, 5/16" (8mm).

Lever
Cast stainless steel.
Inside and outside levers rotate freely up and down at 45 degrees release feature: lever freely rotates up to 45°.



Rose
Cast stainless steel.

Strike
Wrought stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Thumbturn
Cast stainless steel construction. See page 13.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard. Optional cylinders available; see Quick Codes, page 15.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Access 3 cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Access 3 IC
Pyramid IC

Functions
Available with the following functions: ML2010, ML2022, ML2024, ML2030, ML2032, ML2042, ML2052, ML2054, ML2055, ML2057, ML2060, ML2062, ML2065, ML2067, ML2069, ML20906, ML20907, ML20914, ML20915 and ML20932.
Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Electrical Specifications (Fail Safe/Fail Secure)
12/24VDC @ 15mA Continuous
12/24VDC Peak current draw = .5A (Maximum of 2 locks per 1A Power Supply)
Monitor Switch Rating: 2 amp @ 24VDC
Note: Operating voltage not to exceed +/- 10%.
See Quick Codes, page 16.

Monitor Options

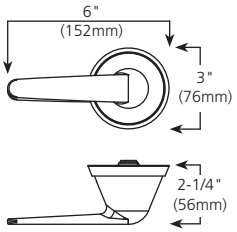
M91 - Latchbolt Monitor
Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.

M92 - Request to Exit Monitor
Request to Exit monitoring is a SPDT switch which monitors the activation of the trim. (Both levers activate switch)

M105 - Security Monitor
Security Monitor is two switches in series that monitors lock status (locked or unlocked) and Auxiliary Latch position.
Note: Monitoring options may only be ordered together as follows: M91xM92, M92xM105.

Warranty
Ten-year limited. Two-year limited warranty on electronic components.

Trim Dimensions



Certification/Compliance

ANSI/BHMA
Certified A156.13 Series 1000, Operational and Security Grade 1. Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

A.D.A.
Conforms to ADA requirements for barrier-free accessibility.

UL-cUL-UL10C Positive Pressure
All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair.
Letter F and UL symbol on armored front indicate listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

**Although this product is better designed for behavioral health applications than traditional trim, it does not eliminate the risk that an object can be affixed to, or around it.*

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Corbin Russwin
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Features

ML2000 and ML20900 Series with HSS Trim*

The anti-harm knob (HSS) is designed for safety and security by eliminating catch points with a tapered knob recessed into the rose, a tapered thumbturn (for mortise lock thumbturn functions) with Torx® pin security screws, tapered cylinder collars and concealed mounting screws. Available as sectional trim, the anti-harm knob features recessed finger holes for a better grip and the reliability of the ML2000 Series ANSI/BHMA grade 1 mortise lock. Ideal for psychiatric or detention facilities.



Features

Handing
Handed; quick reversible. The lockset can be re-handed without disassembling the lock case.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 15.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought brass, bronze or stainless steel attached by machine screws to lockcase front.

Latchbolt
2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub
Lever: steel, 5/16" (8mm).

Strike
Wrought stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Thumbturn
Cast stainless steel construction. See page 13.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard.
Brass, fixed 6-pin conventional fixed core cylinder.
Optional cylinders available; see Quick Codes, page 15.

Keys
Two nickel silver standard.

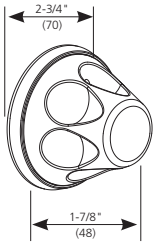
Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Access 3 cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Access 3 IC
Pyramid IC

Functions
Available with all ML2000 functions except ML2029, ML2030, ML2049, ML2050, ML2059, ML2062, ML2065, ML2067, ML2070, ML2072, ML2073, ML2075, ML2080, ML2082.
Available with all ML20900 electrified mortise lock functions except NAC. Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Electrical Specifications (Fail Safe/Fail Secure)
12/24VDC @ 15mA Continuous
12/24VDC Peak current draw = .5A (Maximum of 2 locks per 1A Power Supply)
Monitor Switch Rating: 2 amp @ 24VDC
Note: Operating voltage not to exceed +/- 10%.
See Quick Codes, page 16.

Warranty
Ten-year limited. Two-year limited warranty on electronic components.

Trim Dimensions



Certification/Compliance

ANSI/BHMA
Certified A156.13 Series 1000, Operational and Security Grade 1.

Federal
Meets FF-H-106C.
UL /cUL-UL10C Positive Pressure
All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair. Letter F and UL symbol on armored front indicate listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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Features

ML2000 and ML20900 Series with HPSK Trim

The ML2000 Series mortise lock with push/pull paddle trim provides an aesthetically pleasing alternative to products with standard push/pull trim. Its heavy-duty design and ANSI/BHMA Grade1 strength help it to withstand abuse from rigorous environments. Multiple mounting orientations, hands free operation and a sleek, aesthetic form, make the ML2000 Series mortise lock ideal for use in healthcare facilities and educational facilities.



Patent pending and/or patent www.assaabloydss.com/patents

Features

Handing

Handed; quick reversible. The lockset can be re-handed without disassembling the lock case.

Door Thickness

1-3/4" (44mm).

Backset

2-3/4" (70mm).

Lockcase

Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front

Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front

Wrought brass, bronze or stainless steel attached by machine screws to lockcase front.

Latchbolt

2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt

9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt

One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub

Lever: steel, 5/16" (8mm).

Covers

Cast stainless steel.

Paddles

Cast stainless steel. Non-handed.

Strike

Wrought stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Thumbturn

Cast stainless steel construction. See page 13.

Cylinder

Brass, 6-pin, L4 keyway, 0-bitted standard.

Optional cylinders available; see Quick Codes, pages 15.

Keys

Two nickel silver standard.

Keying Features Available

Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Access 3 cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Access 3 IC
Pyramid IC

Functions

Available with all ML2000 functions except ML2050, ML2070 and ML2080.
Available with all ML20900 electrified mortise lock functions. Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Electrical Specifications
(Fail Safe/Fail Secure)

12/24VDC @ 15mA Continuous

12/24VDC Peak current draw = .5A (Maximum of 2 locks per 1A Power Supply)

Monitor Switch Rating: 2 amp @ 24VDC

Note: Operating voltage not to exceed +/- 10%.

See Quick Codes, page 16.

Monitor Options

Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.

M91 - Latchbolt Monitor

Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.

M92 - Request to Exit Monitor

Request to Exit monitoring is a SPDT switch which monitors the activation of the trim. (Both levers activate switch)

M105 - Security Monitor

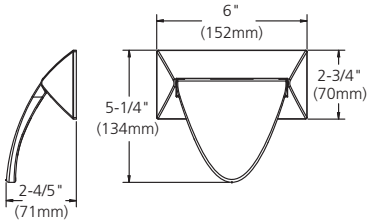
Security Monitor is two switches in series that monitors lock status (locked or unlocked) and Auxiliary Latch position.

Note: Monitoring options may only be ordered together as follows: M91xM92, M92xM105.

Mounting Options

Paddle trim can be mounted as horizontal (up or down) and vertical (sideways) orientations in the field.

Cover and Paddle Dimensions



Warranty

Ten-year limited. Two-year limited warranty on electronic components.

Certification/Compliance

ANSI/BHMA

Certified A156.13 Series 1000, Operational and Security Grade 1.

Meets A117.1 Accessibility Code.

Federal

Meets FF-H-106C.

UL-cUL-UL10C Positive Pressure

All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair.

Letter F and UL symbol on armored front indicate listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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Features/Functions

HP3000 Series Tubular Lock with Push/Pull Paddle Trim

The HP3000 Series tubular Lock with push/pull paddle trim provides an aesthetically pleasing alternative to products with standard push/pull trim. Its heavy-duty design and ANSI/BHMA Grade1 strength help it to withstand abuse from rigorous environments. Multiple mounting orientations, hands free operation and a sleek, aesthetic form, make the HP3000 Series ideal for use in healthcare facilities and educational facilities.



Patent pending and/or patent www.assaabloydss.com/patents

Features

Handing
Passage (HP3010) function is non-handed.
Privacy (HP3020) function is handed.
Specify hand.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 15.

Backset
5" (127mm) standard.
Optional: 2-3/4" (70mm) and 7" (177mm); see Quick Codes, page 15.

Latchbolt
Brass, 1/2" (13mm) throw

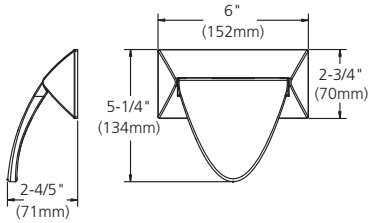
Strike
ANSI curved lip strike standard, 4-7/8" x 1-1/4" x 1-1/4" lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; See Quick Codes, page 16.

Covers
Cast stainless steel

Paddles
Cast stainless steel

Mounting Options
Paddle trim can be mounted as horizontal (up or down) and vertical (sideways) orientations in the field.

Cover and Paddle Dimensions



Warranty
One-year limited

Certification/Compliance

ANSI/BHMA
Certified A156.2 Series 4000 Grade 1.

UL-cUL
Listed for use on 3 hour fire doors (4' x 8' single and smaller doors). UL symbol on front stamped letter F indicates listing.

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ADA
Meets A117.1 Accessibility Code.

Functions

Series/Function	Type	Function Description
HP3010	Passage	• Both paddles retract latch • Ideal for patient rooms and closets
HP3020	Privacy	• Inside paddle always retracts latch • Outside paddle retracts latch, except when locked by inside push button • Closing door unlocks outside paddle • Includes emergency release • Vertical orientation required • Ideal for bathrooms

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Electrified Options & Accessories

ML20900 Series with BHSS, BHL, HSS, HPSK Trim

BPS Power Supply

Operation

Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. All modular power supplies are designed to meet UL 1481 Standards. Recommended for the ML20900, delayed egress exit devices and electric trim.

Features

- Fire panel emergency release input
- PC Board mounted system LED indicator
- Regulated and filtered with input and output protection
- Battery charging is provided from a separate output terminal

Electrical Specifications

- Inputs: 115VAC @600mA
- Outputs: 12/24 VDC @ 1 Amp, 1.5 Amp or 4 Amp, Filtered and regulated output

Listings

- UL & cUL listed 1012 General Purpose Power Supply
- Fire & Burglar Alarm Power Supply Unit URT2
- Releasing device Accessory SYSW
- Access Control Systems Units ALVY
- Burglar Alarm Systems Power Supply APHY

Applications

- D – Delayed Egress
- M97 – Electric Dogging
- SAF – Fail Safe mortise device trim control
- SEC – Fail Secure mortise device trim control
- ML20900



Note: Batteries are not included with the BPS power supply

Model	Enclosure	Input	Output
BPS-24-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1 Amp @ 24 VDC
BPS-24-2	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	2 Amp @ 24 VDC
BPS-24-4	15" (381mm) x 18" (457mm) x 6" (152mm)	115VAC, 50/60 Hz.	4 Amp @ 24VDC
BPS-12-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1 Amp @ 12 VDC
BPS-12-3	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	3 Amp @ 12 VDC

Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With *ElectroLynx*, doorway components come pre-wired for easy hookup to the power source. The key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx:

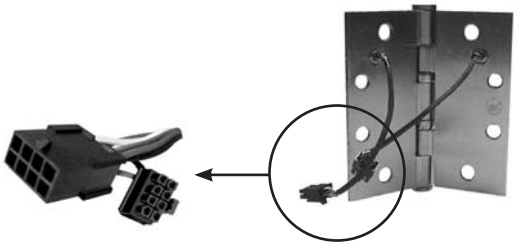
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect a ML20900 electrified mortise lock to the electronic access control system, the following items are required:

- ML20900 electrified mortise lock
- ASSA ABLOY Door Group pre-wired door, or *ElectroLynx* retrofit cable (order from McKinney)
- Electronic transfer device (*ElectroLynx* electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKinney)
- *ElectroLynx* cable from the hinge to above the ceiling (order from McKinney)

Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

The McKinney QC8 ElectroLynx Hinge is recommended for all ML20900 functions and electrified options.



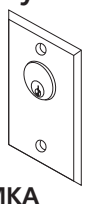
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Electrified Options & Accessories

ML20900 Series with BHSS, BHL, HSS, HPSK Trim

Exit Controls and Switches

Key Switches



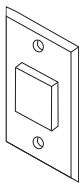
MKA

MKA - (1) SPDT Maintained
MK - (1) SPDT Momentary
MKN - (1) SPDT Momentary NS
MK2 - (1) DPDT Momentary
MKPZ x MKS - (1) SPDT Momentary with audio Double Gang x Additional Switch
Note: All key switches come standard with 12/24 VDC bi-color LED.

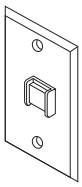
Specifications

- Keyswitch for operation using a standard 1-1/8" mortise cylinder (A02 cam) (cylinder not included).
- Contact Rating 5 Amps @ 12-24VDC
- SPDT 3-position.

Push Buttons



PB2



PB3

PB2 - (1) SPDT Momentary
PB2 - (1) DPST Remote Momentary
PB3 - (1) DPST Momentary
PB3A - (1) DPST Maintained (Alt. Action)
PB3EA - (1) DPST Alternate

Specifications

- 3 Amps @ 12-24 VDC

Indicator

ZLP - (1) Red and Green LED on narrow gang plate.

Audible/Visual Annunciators



PZ1

PZ1 - Sonalert 90db @ 2ft. 12-24VDC. Mounted on one gang stainless steel plate.

Digital Entry

DK-11 - Digital Keypad - 4 User
DK-26SS - Digital Keypad NS - 59 User - SS Finish
DK-26BK - Digital Keypad NS - 59 User - Black Finish

Power Transfers

TSB B-C - Door Cord

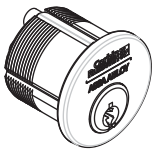
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Cylinders

ML2000 and ML20900 Series with BHSS, BLSS, HSS, HPSK Trim

Cylinders

2 nickel silver keys
Finishes: See Key Systems catalog





Interchangeable Core (I.C.) Shown

Mortise Cylinder Type	Quick Code	Hotel Function	42 (inside) 52, 53, 55, 56, 58, 69 Functions	All Other Keyed and 42 (outside) Functions
Access 3® Patented	AP	1501-114-A01	1500-114-A02	1500-114-A01
Access 3® Security	AS	1601-114-A01	1600-114-A02	1600-114-A01
Access 3® High Security	AHS	1701-114-A01	1700-114-A02	1700-114-A01
Access 3® Patented IC	ACP	N/A	1580-114-A02	1580-114-A01
Access 3® Security IC	ACS	N/A	1680-114-A02	1680-114-A01
Access 3® High Security IC	ACHS	N/A	1788-114-A02	1788-114-A01
Pyramid HS	PHS	N/A	1020-114-A02	1020-114-A01
Pyramid HS IC	PCHS	N/A	1030-114-A02	1030-114-A01
Pyramid Security	PS	N/A	1027-114-A02	1027-114-A01
Pyramid Security IC	PCS	N/A	1037-114-A02	1037-114-A01
Conventional 6-pin	N/A	1001-114-A01	1000-118-A02	1000-118-A01
Conventional 7-pin	7P	N/A	1000-114-A02-7	1000-114-A01-7
6-pin IC	C6	1081-138-A01	1080-114-A02	1080-114-A01
7-pin IC	C7	N/A	1080-112-A02-7	1080-112-A01-7
Security	HS	1011-114-A01	1010-118-A02	1010-118-A01
Security IC	CHS	1091-138-A01	1090-114-A02	1090-114-A01

To order optional cylinder with lockset, see Quick Codes, page 15.
To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 1000-118-A01 x L4 x 626).

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ML2000 and ML20900 Series with BHSS, BLSS, HSS, HPSK Trim

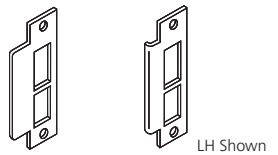
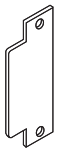
Strikes

ANSI Straight Lip (standard)

Stainless steel
Non-handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center (standard)
Optional lip lengths: 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

ANSI Curved Lip

Stainless steel
Handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center (standard)
Optional lip lengths: 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

	Part No.	Description
 LH Shown All functions	236L72	Straight Lip
	340L60	Curved Lip for RH/LHR
	340L61	Curved Lip for LH/RHR
 Blank Filler Plate	236L70	Straight Lip

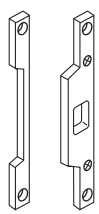
To order strike with lockset, see How to Order, page 16.
To order strike separately, specify Part No. x Lip Length x Finish (e.g., 340L60 x 1-1/2" x 626).

Rabbeted Front and Strike

Brass or bronze
For 1/2" (13mm) rabbet
No optional lip lengths

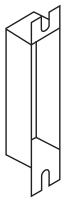
	Part No.	Hand
Latchbolt x Deadbolt	318F66 318F69	RH/LHR LH/RHR
Latchbolt only	318F64 318F67	RH/LHR LH/RHR
Deadbolt only	318F65 318F68	RH/LHR LH/RHR

To order with lockset, see Quick Codes, page 16.
To order separately, specify Part No. x Finish (e.g., 318F66 x 626).



ANSI Wrought Strike Box

To order with lockset, see Quick Codes, page 16.
To order separately, specify 120F76.

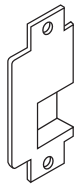


Open Back

Size: 5-1/4" (133mm) x 1/4" (32mm).

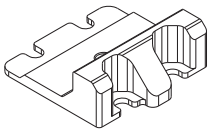
Hand	Door Thickness	Part
LHR	1-3/4" (44mm)	411L63 016
	2" (51mm)	411L63 018
	2-1/4" (57mm)	411L63 020
RHR	1-3/4" (44mm)	411L62 016
	2" (51mm)	411L62 018
	2-1/4" (57mm)	411L62 020

To order with lockset, see Quick Codes, page 16. To order separately, specify Part No. x Door Thickness x Finish (e.g., 411L62 x 2" x 626).



Kits

Positive Pull Stop Kit (HPSK)
Used on openings where weather stripping is installed or when door closers are not utilized, this kit prevents the latch from retracting when pulling door closed. Contains 2 wood screws, 2 machine screws and instructions. To order, specify 813F068.



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ASSA ABLOY

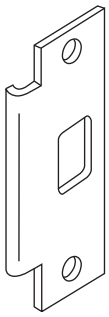
Strikes/Kits

HP3000 Series Tubular Lock with Push/Pull Paddle Trim

Strikes

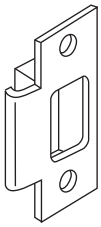
ANSI Curved Lip
(Standard)
Stainless steel, 4-7/8" (124mm) x 1-1/4" (57mm) x 1-1/4" (57mm) lip to center.

To order with push/pull paddle trim, see Quick Codes, page 16. To order separately, specify 217L13 x Finish.



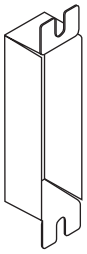
Curved Lip Box
(Optional)
Brass, 2-3/4" (70mm) x 1-1/8" (29mm) x 1-1/4" (57mm) lip to center.

To order with push/pull paddle trim, see Quick Codes, page 16. To order separately, specify 586L19 x Finish.



ANSI Wrought Strike Box
To order with push/pull paddle trim, see Quick Codes, page 16.

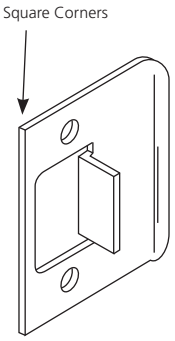
To order separately, specify 120F76.



Full Lip Strike (SF114)
Brass, 2-1/4" (57mm) x 1-3/4" (44mm) x 1-1/4" (32mm) lip to center. No optional lip lengths.

To order separately specify 680L50M020 x Finish.

Anti-rattle tab.

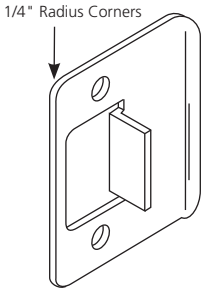


Full Lip Strike – 1/4" Radius Corners (SFR114)

Brass, 2-1/4" (57mm) x 1-3/4" (44mm) x 1-1/4" (32mm) lip to center. No optional lip lengths.

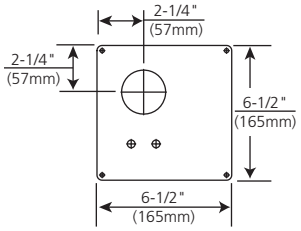
To order separately specify 680L51M020 x Finish.

Anti-rattle tab.

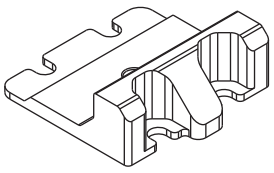


Kits

Kit for Retrofitting HP3000 Push/Pull Paddle Trim
Use to cover prep from HL10 series push/pull trim and other manufacturer's trim, when retrofitting HP3000 trim. Contains 2 retrofit plates and 8 screws. Available in 630 finish only. To order, specify 791F39.



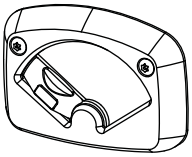
Positive Pull Stop Kit
Used on openings where weather stripping is installed or when door closers are not utilized, this kit prevents the latch from retracting when pulling door closed. Contains 2 wood screws, 2 machine screws and instructions. To order, specify 813F068.



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Thumbturns

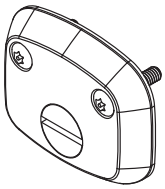
ML2000 and ML20900 Series with BHSS, BLSS, HSS, HPSK Trim



Thumbturn for BHSS, BLSS, HSS, HPSK*

Stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 3-3/4" (95mm) x 2-1/2" (64mm)

Door Thickness	Packet
1-3/4" (44mm)	851F617
2" (51mm)	851F637
2-1/4" (57mm)	851F647



Emergency Turn for BHSS, BLSS, HSS, HPSK*

Stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 3-3/4" (95mm) x 2-1/2" (64mm)

Door Thickness	Packet
1-3/4" (44mm)	851F677
2" (51mm)	851F687
2-1/4" (57mm)	851F697

*HPSK available for 1-3/4" door only.

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ASSA ABLOY

How to Order

Stock Order

Quantity	Series/Function	Trim	Finish	Hand	Voltage	Misc. Options
100	ML20907	BLSS	630	RHR	12AD	M105
100	ML2010	BHSS	630	RHR	—	—
100	HP3000	HPSK	630	RHR	—	—

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Voltage	Door Thickness	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	ML2055	HPSK	630	RHR	—	D214	SA200	M26	C7	VKC3
24	AA1	ML20914	BHSS	630	RHR	12AD	—	—	M20	7P	VKC3

Anti-Harm Knob (HSS) Trim – Lever Trim x HSS Knob

Quantity	Series/Function	Trim		Finish	Hand
		Outside	Inside		
6	ML2055	NSA	HSS	630C	RH

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Corbin Russwin ASSA ABLOY

Quick Codes

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with temporary construction core	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 6-pin less core	CL6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
SFIC 6-pin with Less Core[1]	CLS6
IC 7-pin	C7
IC 7-pin with temporary construction core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin less core	CL7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
SFIC 7-pin with Less Core[1]	CLS7
Security	HS
Security IC	CHS
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid IC Less Core	CLP
Pyramid with temporary construction core	CTP
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid Disposable Core	CTPD
6-Pin Disposable Core	CT6D
7-Pin Disposable Core	CT7D
Keyed random	KR
Construction master keyed (not available for Pyramid)	CMK

Cylinder and Keying (cont.)

Description	Specify
Visual key control	
- No keying data stamped on key or cylinder	VKC0
- Keys only	VKC1
- Cylinders and keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders with VKC keys	CKC2
- CKC cylinders only (not for PHS or PCHS)	CKC3
2 keys per lock More than 2 keys	(standard) KY# (e.g., KY6)

1. Not available with ML2029.

Finishes

Description		Specify
ANSI/BHMA 630 (US32D)	Satin Stainless Steel	630
630C	Satin Stainless Steel with MicroShield®	630C

Door Thickness

Door Thickness	Specify
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

ML2000 or ML20900 x HPSK available 1-3/4" door thickness only.

Backset - HP3000 Series (5" - Standard)

Description	Specify
5" (127mm)	(standard)
2-3/4" (70mm)	B234
7" (177mm)	B700

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ASSA ABLOY

Quick Codes

Strikes - Mortise

ANSI Lip to Center	ANSI Straight Lip Specify	Curved Lip Specify
1-1/8" (29mm)	(standard)	SA118
1-1/4" (32mm)	SS114	SA114
1-3/8" (35mm)	SS138	SA138
1-1/2" (38mm)	SS112	SA112
1-3/4" (44mm)	SS134	SA134
2" (51mm)	SS200	SA200
2-1/4" (57mm)	SS214	SA214
2-1/2" (64mm)	SS212	SA212
2-3/4" (70mm)	SS234	SA234
3" (76mm)	SS300	SA300

Strikes - Tubular

Lip to Center	ANSI Curved Lip, Specify	Curved Lip Box, Specify	Full Lip, Specify
1" (25mm)	SA100	SC100	N/A
1-1/8" (29mm)	SA118	SC118	N/A
1-1/4" (32mm)	(standard)	SC114	SF114*
1-3/8" (35mm	SA138	SC138	N/A
1-1/2" (38mm)	SA112	SC112	N/A
1-3/4" (44mm)	SA134	SC134	N/A
2" (51mm)	SA200	SC200	N/A
2-1/4" (57mm)	SA214	SC214	N/A
2-1/2" (28mm)	SA212	SC212	N/A
2-3/4" (70mm)	SA234	SC234	N/A
3" (76mm)	SA300	SC300	N/A

*Specify SFR114 for rounded corner.

Handing

Description	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Fail Safe/Fail Secure

Description	Specify
Fail safe	SAF
Fail secure	SEC

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Phillips head screws	(standard)
Torx® head screws	M04
Hex head screws (HP3000)	M05
Latch front, rounded corners (HP3000)	M13
ANSI wrought strike box	M17
Lead lining (HP3000)	M28
Lead lining (BHSS, BLSS, HSS, HPSK)	M29
Half trim (for ML2010, ML2020, ML2022, ML2024, ML2029, ML2030, ML2032, ML2052, ML2053, ML2055, ML2056, ML2057, ML2058, ML2059, Ml2062, ML2065) (Supplied with inside trim only. Includes cylinder)[1]	M30
Working trim only[2]	M31
"PUSH & PULL" Identification[3] (HPSK, HP3000)	M38
Tapered Cylinder Collar[1]	M111
Latch hold back (for ML2042, ML2052, ML2055, ML2051, ML2057 only)[4]	LHB

1. Available on HPSK trim only
2. BHSS & HSS must be ordered complete with lockbody from the factory. HPSK trim only available for lockbody manufactured after January 2017. BLSS trim only available for lockbody manufactured after July 2008
3. Non-handed
4. Must use A02 cam when LHB is specified

Electric Monitor Options (ML20900 Series Only)

Description	Specify
Latchbolt Monitor	M91
Request to Exit	M92
Security Monitor	M105

These options may be ordered together only as follows: M91xM92, M92xM105.

Electric Accessories

Description	Specify
Power supply 1.0 Amp @ 12 VDC output	BPS-12-1
Power supply 3.0 Amp @ 12 VDC output	BPS-12-3
Power supply 1.0 Amp @ 24 VDC output	BPS-24-1
Power supply 2.0 Amp @ 24 VDC output	BPS-24-2
Power supply 4.0 Amp @ 24 VDC output	BPS-24-4

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ML2000 Series Mortise Locks with BHSS and BLSS Trim

1. Ligature Resistant, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to accepted OMH requirements with ligature-resistant lever and escutcheon trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and escutcheons are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.
   A. Acceptable Manufacturers:
      1. Sargent Manufacturing (SA) – 8200 BHW Series
      2. Corbin Russwin (RU) – ML2000 BHSS Series
      3. Accurate Lock (AC) – CP Crescent Pull Series (with Teflon pad)
2. Ligature Resistant, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to [accepted] [Use with caution] OMH requirements with ligature-resistant lever and rose trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and roses are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.
   B. Acceptable Manufacturers:
      1. Sargent Manufacturing (SA) - 8200 BHL Series
      2. Corbin Russwin (RU) – ML2000 BLSS Series
      3. Best Lock (BE) – SPSL Series
      4. Town Steel (TS) – MRX-L Series

ML2000 and ML20900 Series (HPSK) Mortise Locks with Push/Pull Paddle Trim

1. All locksets shall be ML2000 Series Mortise Locksets as manufactured by Corbin Russwin Architectural Hardware, Berlin, CT.
2. Locks shall meet or exceed the requirements of ANSI/BHMA A156.13 Series 1000, Operational Grade 1, and Security Grade 1 with all standard trims.
3. Locks shall be easily re-handed without opening the lock body.
4. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of A label (3 hours) and less, for doors up to 4'0" (1.2m) x 10'0" (3.05m) and pairs of doors 8'0" (2.4m) x 10'0" (3.05m)
5. Construction:
   A. Lock functions shall be manufactured in a single-sized case formed from 12 gauge steel minimum.
   B. Lock cases shall be closed on all sides and back.
   C. Locks shall have field adjustable, beveled, armored front, with a 1/8" (3mm) thickness minimum.
   D. Locks shall have a one piece, 3/4" (19mm) throw anti-friction stainless steel latch.
   E. Deadbolts, where specified, shall be full one inch (25mm) throw made of one-piece hardened stainless steel.
6. Lockset paddles shall be capable of horizontal or vertical mounting positions.
7. Locks shall have a 2-3/4" (70mm) backset, standard.
8. Strikes shall be non-handed with a curved lip.
9. Locks shall have brass 6-Pin cylinder, standard.
10. Locks shall have a 10 year limited warranty. 2 year limited warranty on electrified locks.

HP3000 Series Tubular Lock with Push/Pull Paddle Trim

1. Tubular hospital locks shall be HP3000 series as manufactured by Corbin Russwin Architectural Hardware, Berlin, CT.
2. Locks shall meet or exceed requirements of ANSI/BHMA A156.2 Series 4000 Grade 1.
3. Locks shall be easily re-handed with a non-handed curved lip strike.
4. Locks shall be listed for use on 3 hour fire doors (4' x 8' single and smaller doors).
5. Locks shall comply with UL10C and UBC 7-2 positive pressure requirements.
6. Lockset paddles shall be capable of horizontal or vertical mounting positions.
7. Locks shall have 2-3/4", 5" or 7" backset available.
8. Locks shall have one-year limited warranty.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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For additional information, contact your ASSA ABLOY Door Security Solutions sales consultant or visit **www.corbinrusswin.com.**

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Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
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Security Solutions Canada
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Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 800-461-8989
www.assaabloydss.ca

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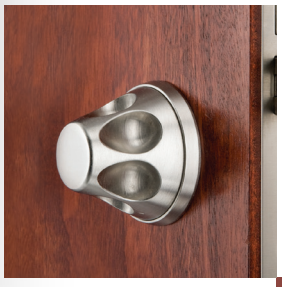
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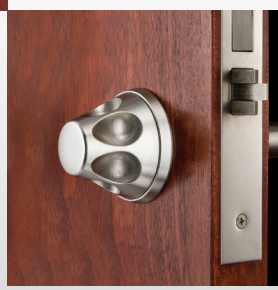
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Specialty Hardware

Product Catalog

Experience a safer
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Features

ML2000 and ML20900 Series with BHSS Trim*

Part of the Behavioral Health Series® of products, the ML2000 Series mortise lock with BHSS trim has tapered surfaces and an integrated lever and escutcheon, bringing an elegant style to behavioral health environments. The ML2000 Series' heavy-duty design and ANSI/BHMA Grade 1 strength help it to withstand abuse in any environment.



Patent pending and/or patent www.assaabloydss.com/patents

Features

Handing
Handed - Must specify on order.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 15.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought stainless steel attached by machine screws to lockcase front. Utilizes security Torx® screws. Torx® screws come standard.

Latchbolt
2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub
Lever: steel, 5/16" (8mm).

Lever
Cast stainless steel.

Escutcheon
Cast stainless steel.

Strike
Wrought stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Thumbturn
Cast stainless steel construction. See page 13.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard.
Optional cylinders available; see Quick Codes, page 15.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Access 3 cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Access 3 IC
Pyramid IC

Functions
Available with all ML2000 functions except ML2050, ML2070 and ML2080.
Available with all ML20900 electrified mortise lock functions. Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Electrical Specifications
(Fail Safe/Fail Secure)
12/24VDC @ 15mA Continuous
12/24VDC Peak current draw = .5A
(Maximum of 2 locks per 1A Power Supply)
Monitor Switch Rating: 2 amp @ 24VDC
Note: Operating voltage not to exceed +/- 10%.
See Quick Codes, page 16.

Monitor Options

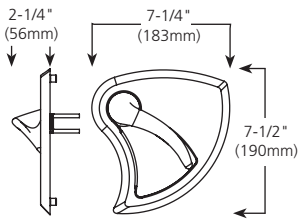
M91 - Latchbolt Monitor
Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.

M92 - Request to Exit Monitor
Request to Exit monitoring is a SPDT switch which monitors the activation of the trim. (Both levers activate switch)

M105 - Security Monitor
Security Monitor is two switches in series that monitors lock status (locked or unlocked) and Auxiliary Latch position.
Note: Monitoring options may only be ordered together as follows: M91xM92, M92xM105.

Warranty
Ten-year limited. Two-year limited warranty on electronic components.

Trim Dimensions



Certification/Compliance

ANSI/BHMA
Certified A156.13 Series 1000, Operational and Security Grade 1.
Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

UL-cUL-UL10C Positive Pressure
All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair.
Letter F and UL symbol on armored front indicate listing.
Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

**Although this product is better designed for behavioral health applications than traditional trim, it does not eliminate the risk that an object can be affixed to, or around it.*

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Corbin Russwin
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Features

ML2000 and ML20900 Series with BLSS Trim*

Part of the Behavioral Health Series®, the ML2000 Series mortise lock with BLSS trim offers durability and strength in behavioral healthcare settings. With a variety of available functions, it is flexible enough to use in many applications, and the sloped surfaces and overlapping lever and rose construction address common concerns in behavioral health.



Features

Handing
Non-handed.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 15.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought stainless steel attached by machine screws to lockcase front. Utilizes security Torx® screws. Torx® screws come standard.

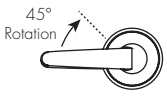
Latchbolt
2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub
Lever: steel, 5/16" (8mm).

Lever
Cast stainless steel.
Inside and outside levers rotate freely up and down at 45 degrees release feature: lever freely rotates up to 45°.



Rose
Cast stainless steel.

Strike
Wrought stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Thumbturn
Cast stainless steel construction. See page 13.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard. Optional cylinders available; see Quick Codes, page 15.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Access 3 cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Access 3 IC
Pyramid IC

Functions
Available with the following functions: ML2010, ML2022, ML2024, ML2030, ML2032, ML2042, ML2052, ML2054, ML2055, ML2057, ML2060, ML2062, ML2065, ML2067, ML2069, ML20906, ML20907, ML20914, ML20915 and ML20932.
Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Electrical Specifications (Fail Safe/Fail Secure)
12/24VDC @ 15mA Continuous
12/24VDC Peak current draw = .5A (Maximum of 2 locks per 1A Power Supply)
Monitor Switch Rating: 2 amp @ 24VDC
Note: Operating voltage not to exceed +/- 10%.
See Quick Codes, page 16.

Monitor Options

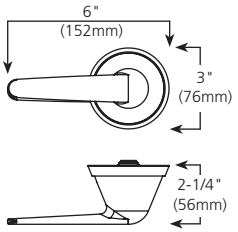
M91 - Latchbolt Monitor
Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.

M92 - Request to Exit Monitor
Request to Exit monitoring is a SPDT switch which monitors the activation of the trim. (Both levers activate switch)

M105 - Security Monitor
Security Monitor is two switches in series that monitors lock status (locked or unlocked) and Auxiliary Latch position.
Note: Monitoring options may only be ordered together as follows: M91xM92, M92xM105.

Warranty
Ten-year limited. Two-year limited warranty on electronic components.

Trim Dimensions



Certification/Compliance

ANSI/BHMA
Certified A156.13 Series 1000, Operational and Security Grade 1. Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

A.D.A.
Conforms to ADA requirements for barrier-free accessibility.

UL-cUL-UL10C Positive Pressure
All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair.
Letter F and UL symbol on armored front indicate listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

**Although this product is better designed for behavioral health applications than traditional trim, it does not eliminate the risk that an object can be affixed to, or around it.*

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Corbin Russwin
ASSA ABLOY

Features

ML2000 and ML20900 Series with HSS Trim*

The anti-harm knob (HSS) is designed for safety and security by eliminating catch points with a tapered knob recessed into the rose, a tapered thumbturn (for mortise lock thumbturn functions) with Torx® pin security screws, tapered cylinder collars and concealed mounting screws. Available as sectional trim, the anti-harm knob features recessed finger holes for a better grip and the reliability of the ML2000 Series ANSI/BHMA grade 1 mortise lock. Ideal for psychiatric or detention facilities.



Features

Handing
Handed; quick reversible. The lockset can be re-handed without disassembling the lock case.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 15.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought brass, bronze or stainless steel attached by machine screws to lockcase front.

Latchbolt
2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub
Lever: steel, 5/16" (8mm).

Strike
Wrought stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Thumbturn
Cast stainless steel construction. See page 13.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard.
Brass, fixed 6-pin conventional fixed core cylinder.
Optional cylinders available; see Quick Codes, page 15.

Keys
Two nickel silver standard.

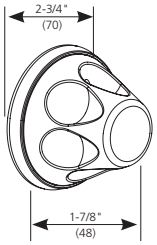
Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Access 3 cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Access 3 IC
Pyramid IC

Functions
Available with all ML2000 functions except ML2029, ML2030, ML2049, ML2050, ML2059, ML2062, ML2065, ML2067, ML2070, ML2072, ML2073, ML2075, ML2080, ML2082.
Available with all ML20900 electrified mortise lock functions except NAC. Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Electrical Specifications (Fail Safe/Fail Secure)
12/24VDC @ 15mA Continuous
12/24VDC Peak current draw = .5A (Maximum of 2 locks per 1A Power Supply)
Monitor Switch Rating: 2 amp @ 24VDC
Note: Operating voltage not to exceed +/- 10%.
See Quick Codes, page 16.

Warranty
Ten-year limited. Two-year limited warranty on electronic components.

Trim Dimensions



Certification/Compliance

ANSI/BHMA
Certified A156.13 Series 1000, Operational and Security Grade 1.

Federal
Meets FF-H-106C.
UL /cUL-UL10C Positive Pressure
All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair. Letter F and UL symbol on armored front indicate listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

**Although this product is better designed for behavioral health applications than traditional trim, it does not eliminate the risk that an object can be affixed to, or around it.*

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Corbin Russwin
ASSA ABLOY

Features

ML2000 and ML20900 Series with HPSK Trim

The ML2000 Series mortise lock with push/pull paddle trim provides an aesthetically pleasing alternative to products with standard push/pull trim. Its heavy-duty design and ANSI/BHMA Grade1 strength help it to withstand abuse from rigorous environments. Multiple mounting orientations, hands free operation and a sleek, aesthetic form, make the ML2000 Series mortise lock ideal for use in healthcare facilities and educational facilities.



Patent pending and/or patent www.assaabloydss.com/patents

Features

Handing

Handed; quick reversible. The lockset can be re-handed without disassembling the lock case.

Door Thickness

1-3/4" (44mm).

Backset

2-3/4" (70mm).

Lockcase

Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front

Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front

Wrought brass, bronze or stainless steel attached by machine screws to lockcase front.

Latchbolt

2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt

9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt

One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub

Lever: steel, 5/16" (8mm).

Covers

Cast stainless steel.

Paddles

Cast stainless steel. Non-handed.

Strike

Wrought stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Thumbturn

Cast stainless steel construction. See page 13.

Cylinder

Brass, 6-pin, L4 keyway, 0-bitted standard.

Optional cylinders available; see Quick Codes, pages 15.

Keys

Two nickel silver standard.

Keying Features Available

Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Access 3 cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Access 3 IC
Pyramid IC

Functions

Available with all ML2000 functions except ML2050, ML2070 and ML2080.
Available with all ML20900 electrified mortise lock functions. Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Electrical Specifications
(Fail Safe/Fail Secure)

12/24VDC @ 15mA Continuous

12/24VDC Peak current draw = .5A (Maximum of 2 locks per 1A Power Supply)

Monitor Switch Rating: 2 amp @ 24VDC

Note: Operating voltage not to exceed +/- 10%.

See Quick Codes, page 16.

Monitor Options

Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.

M91 - Latchbolt Monitor

Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.

M92 - Request to Exit Monitor

Request to Exit monitoring is a SPDT switch which monitors the activation of the trim. (Both levers activate switch)

M105 - Security Monitor

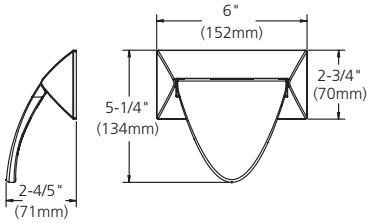
Security Monitor is two switches in series that monitors lock status (locked or unlocked) and Auxiliary Latch position.

Note: Monitoring options may only be ordered together as follows: M91xM92, M92xM105.

Mounting Options

Paddle trim can be mounted as horizontal (up or down) and vertical (sideways) orientations in the field.

Cover and Paddle Dimensions



Warranty

Ten-year limited. Two-year limited warranty on electronic components.

Certification/Compliance

ANSI/BHMA

Certified A156.13 Series 1000, Operational and Security Grade 1.

Meets A117.1 Accessibility Code.

Federal

Meets FF-H-106C.

UL-cUL-UL10C Positive Pressure

All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair.

Letter F and UL symbol on armored front indicate listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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Corbin Russwin
ASSA ABLOY

Features/Functions

HP3000 Series Tubular Lock with Push/Pull Paddle Trim

The HP3000 Series tubular Lock with push/pull paddle trim provides an aesthetically pleasing alternative to products with standard push/pull trim. Its heavy-duty design and ANSI/BHMA Grade1 strength help it to withstand abuse from rigorous environments. Multiple mounting orientations, hands free operation and a sleek, aesthetic form, make the HP3000 Series ideal for use in healthcare facilities and educational facilities.



Patent pending and/or patent www.assaabloydss.com/patents

Features

Handing
Passage (HP3010) function is non-handed.
Privacy (HP3020) function is handed.
Specify hand.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 15.

Backset
5" (127mm) standard.
Optional: 2-3/4" (70mm) and 7" (177mm); see Quick Codes, page 15.

Latchbolt
Brass, 1/2" (13mm) throw

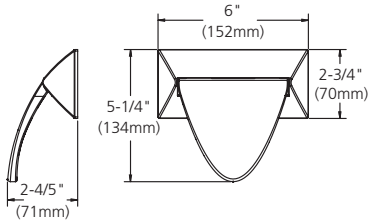
Strike
ANSI curved lip strike standard, 4-7/8" x 1-1/4" x 1-1/4" lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; See Quick Codes, page 16.

Covers
Cast stainless steel

Paddles
Cast stainless steel

Mounting Options
Paddle trim can be mounted as horizontal (up or down) and vertical (sideways) orientations in the field.

Cover and Paddle Dimensions



Warranty
One-year limited

Certification/Compliance

ANSI/BHMA
Certified A156.2 Series 4000 Grade 1.

UL-cUL
Listed for use on 3 hour fire doors (4' x 8' single and smaller doors). UL symbol on front stamped letter F indicates listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

ADA
Meets A117.1 Accessibility Code.

Functions

Series/Function	Type	Function Description
HP3010	Passage	• Both paddles retract latch • Ideal for patient rooms and closets
HP3020	Privacy	• Inside paddle always retracts latch • Outside paddle retracts latch, except when locked by inside push button • Closing door unlocks outside paddle • Includes emergency release • Vertical orientation required • Ideal for bathrooms

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Corbin Russwin
ASSA ABLOY

Electrified Options & Accessories

ML20900 Series with BHSS, BHL, HSS, HPSK Trim

BPS Power Supply

Operation

Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. All modular power supplies are designed to meet UL 1481 Standards. Recommended for the ML20900, delayed egress exit devices and electric trim.

Features

- Fire panel emergency release input
- PC Board mounted system LED indicator
- Regulated and filtered with input and output protection
- Battery charging is provided from a separate output terminal

Electrical Specifications

- Inputs: 115VAC @600mA
- Outputs: 12/24 VDC @ 1 Amp, 1.5 Amp or 4 Amp, Filtered and regulated output

Listings

- UL & cUL listed 1012 General Purpose Power Supply
- Fire & Burglar Alarm Power Supply Unit URT2
- Releasing device Accessory SYSW
- Access Control Systems Units ALVY
- Burglar Alarm Systems Power Supply APHY

Applications

- D – Delayed Egress
- M97 – Electric Dogging
- SAF – Fail Safe mortise device trim control
- SEC – Fail Secure mortise device trim control
- ML20900



Note: Batteries are not included with the BPS power supply

Model	Enclosure	Input	Output
BPS-24-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1 Amp @ 24 VDC
BPS-24-2	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	2 Amp @ 24 VDC
BPS-24-4	15" (381mm) x 18" (457mm) x 6" (152mm)	115VAC, 50/60 Hz.	4 Amp @ 24VDC
BPS-12-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1 Amp @ 12 VDC
BPS-12-3	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	3 Amp @ 12 VDC

Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With *ElectroLynx*, doorway components come pre-wired for easy hookup to the power source. The key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx:

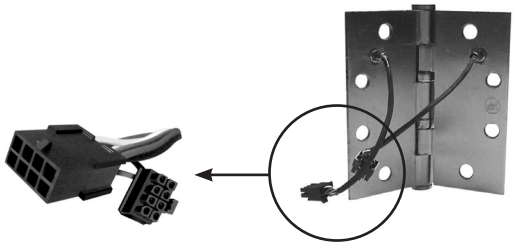
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect a ML20900 electrified mortise lock to the electronic access control system, the following items are required:

- ML20900 electrified mortise lock
- ASSA ABLOY Door Group pre-wired door, or *ElectroLynx* retrofit cable (order from McKinney)
- Electronic transfer device (*ElectroLynx* electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKinney)
- *ElectroLynx* cable from the hinge to above the ceiling (order from McKinney)

Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

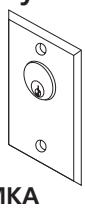
The McKinney QC8 ElectroLynx Hinge is recommended for all ML20900 functions and electrified options.



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Exit Controls and Switches

Key Switches



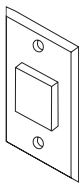
MKA

MKA - (1) SPDT Maintained
MK - (1) SPDT Momentary
MKN - (1) SPDT Momentary NS
MK2 - (1) DPDT Momentary
MKPZ x MKS - (1) SPDT Momentary with audio Double Gang x Additional Switch
Note: All key switches come standard with 12/24 VDC bi-color LED.

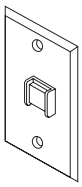
Specifications

- Keyswitch for operation using a standard 1-1/8" mortise cylinder (A02 cam) (cylinder not included).
- Contact Rating 5 Amps @ 12-24VDC
- SPDT 3-position.

Push Buttons



PB2



PB3

PB2 - (1) SPDT Momentary
PB2 - (1) DPST Remote Momentary
PB3 - (1) DPST Momentary
PB3A - (1) DPST Maintained (Alt. Action)
PB3EA - (1) DPST Alternate

Specifications

- 3 Amps @ 12-24 VDC

Indicator

ZLP - (1) Red and Green LED on narrow gang plate.

Audible/Visual Annunciators



PZ1

PZ1 - Sonalert 90db @ 2ft. 12-24VDC. Mounted on one gang stainless steel plate.

Digital Entry

DK-11 - Digital Keypad - 4 User
DK-26SS - Digital Keypad NS - 59 User - SS Finish
DK-26BK - Digital Keypad NS - 59 User - Black Finish

Power Transfers

TSB B-C - Door Cord

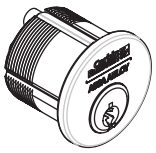
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Cylinders

ML2000 and ML20900 Series with BHSS, BLSS, HSS, HPSK Trim

Cylinders

2 nickel silver keys
Finishes: See Key Systems catalog





Interchangeable Core (I.C.) Shown

Mortise Cylinder Type	Quick Code	Hotel Function	42 (inside) 52, 53, 55, 56, 58, 69 Functions	All Other Keyed and 42 (outside) Functions
Access 3® Patented	AP	1501-114-A01	1500-114-A02	1500-114-A01
Access 3® Security	AS	1601-114-A01	1600-114-A02	1600-114-A01
Access 3® High Security	AHS	1701-114-A01	1700-114-A02	1700-114-A01
Access 3® Patented IC	ACP	N/A	1580-114-A02	1580-114-A01
Access 3® Security IC	ACS	N/A	1680-114-A02	1680-114-A01
Access 3® High Security IC	ACHS	N/A	1788-114-A02	1788-114-A01
Pyramid HS	PHS	N/A	1020-114-A02	1020-114-A01
Pyramid HS IC	PCHS	N/A	1030-114-A02	1030-114-A01
Pyramid Security	PS	N/A	1027-114-A02	1027-114-A01
Pyramid Security IC	PCS	N/A	1037-114-A02	1037-114-A01
Conventional 6-pin	N/A	1001-114-A01	1000-118-A02	1000-118-A01
Conventional 7-pin	7P	N/A	1000-114-A02-7	1000-114-A01-7
6-pin IC	C6	1081-138-A01	1080-114-A02	1080-114-A01
7-pin IC	C7	N/A	1080-112-A02-7	1080-112-A01-7
Security	HS	1011-114-A01	1010-118-A02	1010-118-A01
Security IC	CHS	1091-138-A01	1090-114-A02	1090-114-A01

To order optional cylinder with lockset, see Quick Codes, page 15.
To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 1000-118-A01 x L4 x 626).

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ML2000 and ML20900 Series with BHSS, BLSS, HSS, HPSK Trim

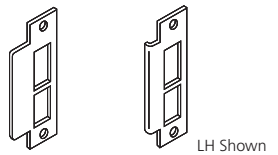
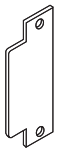
Strikes

ANSI Straight Lip (standard)

Stainless steel
Non-handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center (standard)
Optional lip lengths: 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

ANSI Curved Lip

Stainless steel
Handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center (standard)
Optional lip lengths: 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

	Part No.	Description
 LH Shown All functions	236L72	Straight Lip
	340L60	Curved Lip for RH/LHR
	340L61	Curved Lip for LH/RHR
 Blank Filler Plate	236L70	Straight Lip

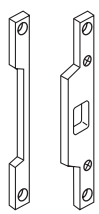
To order strike with lockset, see How to Order, page 16.
To order strike separately, specify Part No. x Lip Length x Finish (e.g., 340L60 x 1-1/2" x 626).

Rabbeted Front and Strike

Brass or bronze
For 1/2" (13mm) rabbet
No optional lip lengths

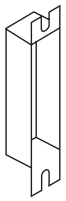
	Part No.	Hand
Latchbolt x Deadbolt	318F66 318F69	RH/LHR LH/RHR
Latchbolt only	318F64 318F67	RH/LHR LH/RHR
Deadbolt only	318F65 318F68	RH/LHR LH/RHR

To order with lockset, see Quick Codes, page 16.
To order separately, specify Part No. x Finish (e.g., 318F66 x 626).



ANSI Wrought Strike Box

To order with lockset, see Quick Codes, page 16.
To order separately, specify 120F76.

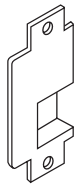


Open Back

Size: 5-1/4" (133mm) x 1/4" (32mm).

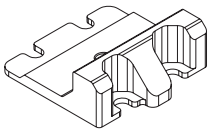
Hand	Door Thickness	Part
LHR	1-3/4" (44mm)	411L63 016
	2" (51mm)	411L63 018
	2-1/4" (57mm)	411L63 020
RHR	1-3/4" (44mm)	411L62 016
	2" (51mm)	411L62 018
	2-1/4" (57mm)	411L62 020

To order with lockset, see Quick Codes, page 16. To order separately, specify Part No. x Door Thickness x Finish (e.g., 411L62 x 2" x 626).



Kits

Positive Pull Stop Kit (HPSK)
Used on openings where weather stripping is installed or when door closers are not utilized, this kit prevents the latch from retracting when pulling door closed. Contains 2 wood screws, 2 machine screws and instructions. To order, specify 813F068.



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Corbin Russwin
ASSA ABLOY

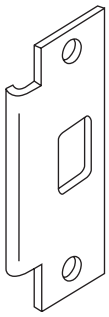
Strikes/Kits

HP3000 Series Tubular Lock with Push/Pull Paddle Trim

Strikes

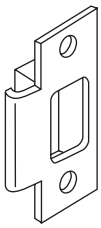
ANSI Curved Lip
(Standard)
Stainless steel, 4-7/8" (124mm) x 1-1/4" (57mm) x 1-1/4" (57mm) lip to center.

To order with push/pull paddle trim, see Quick Codes, page 16. To order separately, specify 217L13 x Finish.



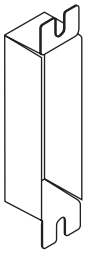
Curved Lip Box
(Optional)
Brass, 2-3/4" (70mm) x 1-1/8" (29mm) x 1-1/4" (57mm) lip to center.

To order with push/pull paddle trim, see Quick Codes, page 16. To order separately, specify 586L19 x Finish.



ANSI Wrought Strike Box
To order with push/pull paddle trim, see Quick Codes, page 16.

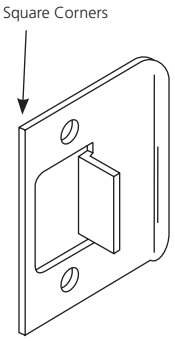
To order separately, specify 120F76.



Full Lip Strike (SF114)
Brass, 2-1/4" (57mm) x 1-3/4" (44mm) x 1-1/4" (32mm) lip to center. No optional lip lengths.

To order separately specify 680L50M020 x Finish.

Anti-rattle tab.

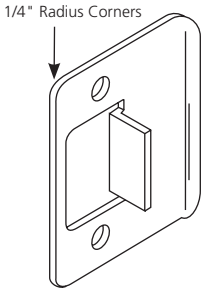


Full Lip Strike – 1/4" Radius Corners (SFR114)

Brass, 2-1/4" (57mm) x 1-3/4" (44mm) x 1-1/4" (32mm) lip to center. No optional lip lengths.

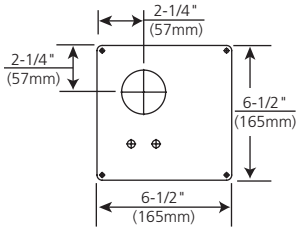
To order separately specify 680L51M020 x Finish.

Anti-rattle tab.

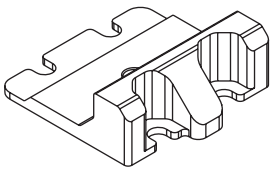


Kits

Kit for Retrofitting HP3000 Push/Pull Paddle Trim
Use to cover prep from HL10 series push/pull trim and other manufacturer's trim, when retrofitting HP3000 trim. Contains 2 retrofit plates and 8 screws. Available in 630 finish only. To order, specify 791F39.



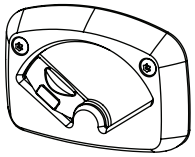
Positive Pull Stop Kit
Used on openings where weather stripping is installed or when door closers are not utilized, this kit prevents the latch from retracting when pulling door closed. Contains 2 wood screws, 2 machine screws and instructions. To order, specify 813F068.



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Thumbturns

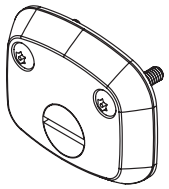
ML2000 and ML20900 Series with BHSS, BLSS, HSS, HPSK Trim



Thumbturn for BHSS, BLSS, HSS, HPSK*

Stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 3-3/4" (95mm) x 2-1/2" (64mm)

Door Thickness	Packet
1-3/4" (44mm)	851F617
2" (51mm)	851F637
2-1/4" (57mm)	851F647



Emergency Turn for BHSS, BLSS, HSS, HPSK*

Stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 3-3/4" (95mm) x 2-1/2" (64mm)

Door Thickness	Packet
1-3/4" (44mm)	851F677
2" (51mm)	851F687
2-1/4" (57mm)	851F697

*HPSK available for 1-3/4" door only.

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How to Order

Stock Order

Quantity	Series/Function	Trim	Finish	Hand	Voltage	Misc. Options
100	ML20907	BLSS	630	RHR	12AD	M105
100	ML2010	BHSS	630	RHR	—	—
100	HP3000	HPSK	630	RHR	—	—

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Voltage	Door Thickness	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	ML2055	HPSK	630	RHR	—	D214	SA200	M26	C7	VKC3
24	AA1	ML20914	BHSS	630	RHR	12AD	—	—	M20	7P	VKC3

Anti-Harm Knob (HSS) Trim – Lever Trim x HSS Knob

Quantity	Series/Function	Trim		Finish	Hand
		Outside	Inside		
6	ML2055	NSA	HSS	630C	RH

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Quick Codes

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with temporary construction core	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 6-pin less core	CL6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
SFIC 6-pin with Less Core[1]	CLS6
IC 7-pin	C7
IC 7-pin with temporary construction core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin less core	CL7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
SFIC 7-pin with Less Core[1]	CLS7
Security	HS
Security IC	CHS
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid IC Less Core	CLP
Pyramid with temporary construction core	CTP
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid Disposable Core	CTPD
6-Pin Disposable Core	CT6D
7-Pin Disposable Core	CT7D
Keyed random	KR
Construction master keyed (not available for Pyramid)	CMK

Cylinder and Keying (cont.)

Description	Specify
Visual key control	
- No keying data stamped on key or cylinder	VKC0
- Keys only	VKC1
- Cylinders and keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders with VKC keys	CKC2
- CKC cylinders only (not for PHS or PCHS)	CKC3
2 keys per lock More than 2 keys	(standard) KY# (e.g., KY6)

1. Not available with ML2029.

Finishes

Description		Specify
ANSI/BHMA 630 (US32D)	Satin Stainless Steel	630
630C	Satin Stainless Steel with MicroShield®	630C

Door Thickness

Door Thickness	Specify
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

ML2000 or ML20900 x HPSK available 1-3/4" door thickness only.

Backset - HP3000 Series (5" - Standard)

Description	Specify
5" (127mm)	(standard)
2-3/4" (70mm)	B234
7" (177mm)	B700

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Quick Codes

Strikes - Mortise

ANSI Lip to Center	ANSI Straight Lip Specify	Curved Lip Specify
1-1/8" (29mm)	(standard)	SA118
1-1/4" (32mm)	SS114	SA114
1-3/8" (35mm)	SS138	SA138
1-1/2" (38mm)	SS112	SA112
1-3/4" (44mm)	SS134	SA134
2" (51mm)	SS200	SA200
2-1/4" (57mm)	SS214	SA214
2-1/2" (64mm)	SS212	SA212
2-3/4" (70mm)	SS234	SA234
3" (76mm)	SS300	SA300

Strikes - Tubular

Lip to Center	ANSI Curved Lip, Specify	Curved Lip Box, Specify	Full Lip, Specify
1" (25mm)	SA100	SC100	N/A
1-1/8" (29mm)	SA118	SC118	N/A
1-1/4" (32mm)	(standard)	SC114	SF114*
1-3/8" (35mm	SA138	SC138	N/A
1-1/2" (38mm)	SA112	SC112	N/A
1-3/4" (44mm)	SA134	SC134	N/A
2" (51mm)	SA200	SC200	N/A
2-1/4" (57mm)	SA214	SC214	N/A
2-1/2" (28mm)	SA212	SC212	N/A
2-3/4" (70mm)	SA234	SC234	N/A
3" (76mm)	SA300	SC300	N/A

*Specify SFR114 for rounded corner.

Handing

Description	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Fail Safe/Fail Secure

Description	Specify
Fail safe	SAF
Fail secure	SEC

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Phillips head screws	(standard)
Torx® head screws	M04
Hex head screws (HP3000)	M05
Latch front, rounded corners (HP3000)	M13
ANSI wrought strike box	M17
Lead lining (HP3000)	M28
Lead lining (BHSS, BLSS, HSS, HPSK)	M29
Half trim (for ML2010, ML2020, ML2022, ML2024, ML2029, ML2030, ML2032, ML2052, ML2053, ML2055, ML2056, ML2057, ML2058, ML2059, Ml2062, ML2065) (Supplied with inside trim only. Includes cylinder)[1]	M30
Working trim only[2]	M31
"PUSH & PULL" Identification[3] (HPSK, HP3000)	M38
Tapered Cylinder Collar[1]	M111
Latch hold back (for ML2042, ML2052, ML2055, ML2051, ML2057 only)[4]	LHB

1. Available on HPSK trim only
2. BHSS & HSS must be ordered complete with lockbody from the factory. HPSK trim only available for lockbody manufactured after January 2017. BLSS trim only available for lockbody manufactured after July 2008
3. Non-handed
4. Must use A02 cam when LHB is specified

Electric Monitor Options (ML20900 Series Only)

Description	Specify
Latchbolt Monitor	M91
Request to Exit	M92
Security Monitor	M105

These options may be ordered together only as follows: M91xM92, M92xM105.

Electric Accessories

Description	Specify
Power supply 1.0 Amp @ 12 VDC output	BPS-12-1
Power supply 3.0 Amp @ 12 VDC output	BPS-12-3
Power supply 1.0 Amp @ 24 VDC output	BPS-24-1
Power supply 2.0 Amp @ 24 VDC output	BPS-24-2
Power supply 4.0 Amp @ 24 VDC output	BPS-24-4

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ML2000 Series Mortise Locks with BHSS and BLSS Trim

1. Ligature Resistant, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to accepted OMH requirements with ligature-resistant lever and escutcheon trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and escutcheons are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.
   A. Acceptable Manufacturers:
      1. Sargent Manufacturing (SA) – 8200 BHW Series
      2. Corbin Russwin (RU) – ML2000 BHSS Series
      3. Accurate Lock (AC) – CP Crescent Pull Series (with Teflon pad)
2. Ligature Resistant, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to [accepted] [Use with caution] OMH requirements with ligature-resistant lever and rose trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and roses are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.
   B. Acceptable Manufacturers:
      1. Sargent Manufacturing (SA) - 8200 BHL Series
      2. Corbin Russwin (RU) – ML2000 BLSS Series
      3. Best Lock (BE) – SPSL Series
      4. Town Steel (TS) – MRX-L Series

ML2000 and ML20900 Series (HPSK) Mortise Locks with Push/Pull Paddle Trim

1. All locksets shall be ML2000 Series Mortise Locksets as manufactured by Corbin Russwin Architectural Hardware, Berlin, CT.
2. Locks shall meet or exceed the requirements of ANSI/BHMA A156.13 Series 1000, Operational Grade 1, and Security Grade 1 with all standard trims.
3. Locks shall be easily re-handed without opening the lock body.
4. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of A label (3 hours) and less, for doors up to 4'0" (1.2m) x 10'0" (3.05m) and pairs of doors 8'0" (2.4m) x 10'0" (3.05m)
5. Construction:
   A. Lock functions shall be manufactured in a single-sized case formed from 12 gauge steel minimum.
   B. Lock cases shall be closed on all sides and back.
   C. Locks shall have field adjustable, beveled, armored front, with a 1/8" (3mm) thickness minimum.
   D. Locks shall have a one piece, 3/4" (19mm) throw anti-friction stainless steel latch.
   E. Deadbolts, where specified, shall be full one inch (25mm) throw made of one-piece hardened stainless steel.
6. Lockset paddles shall be capable of horizontal or vertical mounting positions.
7. Locks shall have a 2-3/4" (70mm) backset, standard.
8. Strikes shall be non-handed with a curved lip.
9. Locks shall have brass 6-Pin cylinder, standard.
10. Locks shall have a 10 year limited warranty. 2 year limited warranty on electrified locks.

HP3000 Series Tubular Lock with Push/Pull Paddle Trim

1. Tubular hospital locks shall be HP3000 series as manufactured by Corbin Russwin Architectural Hardware, Berlin, CT.
2. Locks shall meet or exceed requirements of ANSI/BHMA A156.2 Series 4000 Grade 1.
3. Locks shall be easily re-handed with a non-handed curved lip strike.
4. Locks shall be listed for use on 3 hour fire doors (4' x 8' single and smaller doors).
5. Locks shall comply with UL10C and UBC 7-2 positive pressure requirements.
6. Lockset paddles shall be capable of horizontal or vertical mounting positions.
7. Locks shall have 2-3/4", 5" or 7" backset available.
8. Locks shall have one-year limited warranty.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

Corbin Russwin

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For additional information, contact your ASSA ABLOY Door Security Solutions sales consultant or visit **www.corbinrusswin.com.**

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Berlin, CT 06037
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Security Solutions Canada
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Canada L4K 4T9
Phone: 800-461-3007
Fax: 800-461-8989
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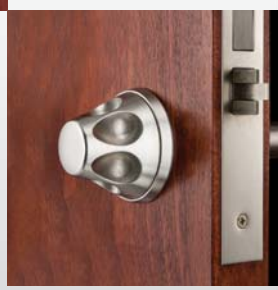
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Specialty Hardware

Product Catalog

Experience a safer
and more open world

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Features

ML2000 and ML20900 Series with BHSS Trim*

Part of the Behavioral Health Series® of products, the ML2000 Series mortise lock with BHSS trim has tapered surfaces and an integrated lever and escutcheon, bringing an elegant style to behavioral health environments. The ML2000 Series' heavy-duty design and ANSI/BHMA Grade 1 strength help it to withstand abuse in any environment.



Patent pending and/or patent www.assaabloydss.com/patents

Features

Handing
Handed - Must specify on order.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 15.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought stainless steel attached by machine screws to lockcase front. Utilizes security Torx® screws. Torx® screws come standard.

Latchbolt
2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub
Lever: steel, 5/16" (8mm).

Lever
Cast stainless steel.

Escutcheon
Cast stainless steel.

Strike
Wrought stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Thumbturn
Cast stainless steel construction. See page 13.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard.
Optional cylinders available; see Quick Codes, page 15.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Access 3 cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Access 3 IC
Pyramid IC

Functions
Available with all ML2000 functions except ML2050, ML2070 and ML2080.
Available with all ML20900 electrified mortise lock functions. Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Electrical Specifications
(Fail Safe/Fail Secure)
12/24VDC @ 15mA Continuous
12/24VDC Peak current draw = .5A
(Maximum of 2 locks per 1A Power Supply)
Monitor Switch Rating: 2 amp @ 24VDC
Note: Operating voltage not to exceed +/- 10%.
See Quick Codes, page 16.

Monitor Options

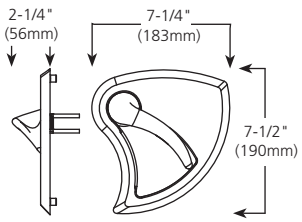
M91 - Latchbolt Monitor
Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.

M92 - Request to Exit Monitor
Request to Exit monitoring is a SPDT switch which monitors the activation of the trim. (Both levers activate switch)

M105 - Security Monitor
Security Monitor is two switches in series that monitors lock status (locked or unlocked) and Auxiliary Latch position.
Note: Monitoring options may only be ordered together as follows: M91xM92, M92xM105.

Warranty
Ten-year limited. Two-year limited warranty on electronic components.

Trim Dimensions



Certification/Compliance

ANSI/BHMA
Certified A156.13 Series 1000, Operational and Security Grade 1.
Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

UL-cUL-UL10C Positive Pressure
All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair.
Letter F and UL symbol on armored front indicate listing.
Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

**Although this product is better designed for behavioral health applications than traditional trim, it does not eliminate the risk that an object can be affixed to, or around it.*

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Features

ML2000 and ML20900 Series with BLSS Trim*

Part of the Behavioral Health Series®, the ML2000 Series mortise lock with BLSS trim offers durability and strength in behavioral healthcare settings. With a variety of available functions, it is flexible enough to use in many applications, and the sloped surfaces and overlapping lever and rose construction address common concerns in behavioral health.



Features

Handing
Non-handed.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 15.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought stainless steel attached by machine screws to lockcase front. Utilizes security Torx® screws. Torx® screws come standard.

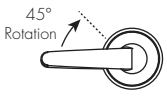
Latchbolt
2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub
Lever: steel, 5/16" (8mm).

Lever
Cast stainless steel.
Inside and outside levers rotate freely up and down at 45 degrees release feature: lever freely rotates up to 45°.



Rose
Cast stainless steel.

Strike
Wrought stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Thumbturn
Cast stainless steel construction. See page 13.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard. Optional cylinders available; see Quick Codes, page 15.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Access 3 cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Access 3 IC
Pyramid IC

Functions
Available with the following functions: ML2010, ML2022, ML2024, ML2030, ML2032, ML2042, ML2052, ML2054, ML2055, ML2057, ML2060, ML2062, ML2065, ML2067, ML2069, ML20906, ML20907, ML20914, ML20915 and ML20932.
Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Electrical Specifications (Fail Safe/Fail Secure)
12/24VDC @ 15mA Continuous
12/24VDC Peak current draw = .5A (Maximum of 2 locks per 1A Power Supply)
Monitor Switch Rating: 2 amp @ 24VDC
Note: Operating voltage not to exceed +/- 10%.
See Quick Codes, page 16.

Monitor Options

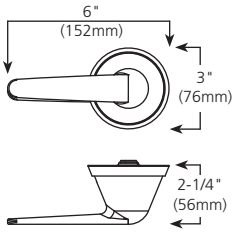
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Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.

M92 - Request to Exit Monitor
Request to Exit monitoring is a SPDT switch which monitors the activation of the trim. (Both levers activate switch)

M105 - Security Monitor
Security Monitor is two switches in series that monitors lock status (locked or unlocked) and Auxiliary Latch position.
Note: Monitoring options may only be ordered together as follows: M91xM92, M92xM105.

Warranty
Ten-year limited. Two-year limited warranty on electronic components.

Trim Dimensions



Certification/Compliance

ANSI/BHMA
Certified A156.13 Series 1000, Operational and Security Grade 1. Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

A.D.A.
Conforms to ADA requirements for barrier-free accessibility.

UL-cUL-UL10C Positive Pressure
All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair.
Letter F and UL symbol on armored front indicate listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

**Although this product is better designed for behavioral health applications than traditional trim, it does not eliminate the risk that an object can be affixed to, or around it.*

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Corbin Russwin
ASSA ABLOY

Features

ML2000 and ML20900 Series with HSS Trim*

The anti-harm knob (HSS) is designed for safety and security by eliminating catch points with a tapered knob recessed into the rose, a tapered thumbturn (for mortise lock thumbturn functions) with Torx® pin security screws, tapered cylinder collars and concealed mounting screws. Available as sectional trim, the anti-harm knob features recessed finger holes for a better grip and the reliability of the ML2000 Series ANSI/BHMA grade 1 mortise lock. Ideal for psychiatric or detention facilities.



Features

Handing
Handed; quick reversible. The lockset can be re-handed without disassembling the lock case.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 15.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought brass, bronze or stainless steel attached by machine screws to lockcase front.

Latchbolt
2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub
Lever: steel, 5/16" (8mm).

Strike
Wrought stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Thumbturn
Cast stainless steel construction. See page 13.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard.
Brass, fixed 6-pin conventional fixed core cylinder.
Optional cylinders available; see Quick Codes, page 15.

Keys
Two nickel silver standard.

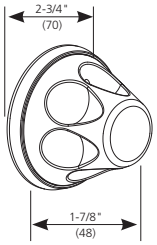
Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Access 3 cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Access 3 IC
Pyramid IC

Functions
Available with all ML2000 functions except ML2029, ML2030, ML2049, ML2050, ML2059, ML2062, ML2065, ML2067, ML2070, ML2072, ML2073, ML2075, ML2080, ML2082.
Available with all ML20900 electrified mortise lock functions except NAC. Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Electrical Specifications (Fail Safe/Fail Secure)
12/24VDC @ 15mA Continuous
12/24VDC Peak current draw = .5A (Maximum of 2 locks per 1A Power Supply)
Monitor Switch Rating: 2 amp @ 24VDC
Note: Operating voltage not to exceed +/- 10%.
See Quick Codes, page 16.

Warranty
Ten-year limited. Two-year limited warranty on electronic components.

Trim Dimensions



Certification/Compliance

ANSI/BHMA
Certified A156.13 Series 1000, Operational and Security Grade 1.

Federal
Meets FF-H-106C.
UL /cUL-UL10C Positive Pressure
All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair. Letter F and UL symbol on armored front indicate listing.

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**Although this product is better designed for behavioral health applications than traditional trim, it does not eliminate the risk that an object can be affixed to, or around it.*

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Corbin Russwin
ASSA ABLOY

Features

ML2000 and ML20900 Series with HPSK Trim

The ML2000 Series mortise lock with push/pull paddle trim provides an aesthetically pleasing alternative to products with standard push/pull trim. Its heavy-duty design and ANSI/BHMA Grade1 strength help it to withstand abuse from rigorous environments. Multiple mounting orientations, hands free operation and a sleek, aesthetic form, make the ML2000 Series mortise lock ideal for use in healthcare facilities and educational facilities.



Patent pending and/or patent www.assaabloydss.com/patents

Features

Handing

Handed; quick reversible. The lockset can be re-handed without disassembling the lock case.

Door Thickness

1-3/4" (44mm).

Backset

2-3/4" (70mm).

Lockcase

Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front

Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front

Wrought brass, bronze or stainless steel attached by machine screws to lockcase front.

Latchbolt

2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt

9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt

One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub

Lever: steel, 5/16" (8mm).

Covers

Cast stainless steel.

Paddles

Cast stainless steel. Non-handed.

Strike

Wrought stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Thumbturn

Cast stainless steel construction. See page 13.

Cylinder

Brass, 6-pin, L4 keyway, 0-bitted standard.

Optional cylinders available; see Quick Codes, pages 15.

Keys

Two nickel silver standard.

Keying Features Available

Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Access 3 cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Access 3 IC
Pyramid IC

Functions

Available with all ML2000 functions except ML2050, ML2070 and ML2080.
Available with all ML20900 electrified mortise lock functions. Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Electrical Specifications
(Fail Safe/Fail Secure)

12/24VDC @ 15mA Continuous

12/24VDC Peak current draw = .5A (Maximum of 2 locks per 1A Power Supply)

Monitor Switch Rating: 2 amp @ 24VDC

Note: Operating voltage not to exceed +/- 10%.

See Quick Codes, page 16.

Monitor Options

Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.

M91 - Latchbolt Monitor

Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.

M92 - Request to Exit Monitor

Request to Exit monitoring is a SPDT switch which monitors the activation of the trim. (Both levers activate switch)

M105 - Security Monitor

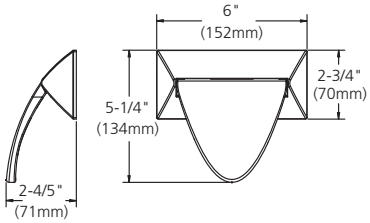
Security Monitor is two switches in series that monitors lock status (locked or unlocked) and Auxiliary Latch position.

Note: Monitoring options may only be ordered together as follows: M91xM92, M92xM105.

Mounting Options

Paddle trim can be mounted as horizontal (up or down) and vertical (sideways) orientations in the field.

Cover and Paddle Dimensions



Warranty

Ten-year limited. Two-year limited warranty on electronic components.

Certification/Compliance

ANSI/BHMA

Certified A156.13 Series 1000, Operational and Security Grade 1.

Meets A117.1 Accessibility Code.

Federal

Meets FF-H-106C.

UL-cUL-UL10C Positive Pressure

All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair.

Letter F and UL symbol on armored front indicate listing.

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Corbin Russwin
ASSA ABLOY

Features/Functions

HP3000 Series Tubular Lock with Push/Pull Paddle Trim

The HP3000 Series tubular Lock with push/pull paddle trim provides an aesthetically pleasing alternative to products with standard push/pull trim. Its heavy-duty design and ANSI/BHMA Grade1 strength help it to withstand abuse from rigorous environments. Multiple mounting orientations, hands free operation and a sleek, aesthetic form, make the HP3000 Series ideal for use in healthcare facilities and educational facilities.



Patent pending and/or patent www.assaabloydss.com/patents

Features

Handing
Passage (HP3010) function is non-handed.
Privacy (HP3020) function is handed.
Specify hand.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 15.

Backset
5" (127mm) standard.
Optional: 2-3/4" (70mm) and 7" (177mm); see Quick Codes, page 15.

Latchbolt
Brass, 1/2" (13mm) throw

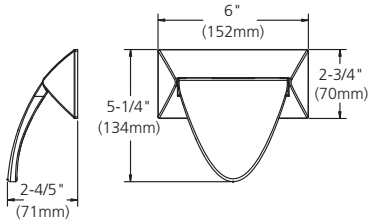
Strike
ANSI curved lip strike standard, 4-7/8" x 1-1/4" x 1-1/4" lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; See Quick Codes, page 16.

Covers
Cast stainless steel

Paddles
Cast stainless steel

Mounting Options
Paddle trim can be mounted as horizontal (up or down) and vertical (sideways) orientations in the field.

Cover and Paddle Dimensions



Warranty
One-year limited

Certification/Compliance

ANSI/BHMA
Certified A156.2 Series 4000 Grade 1.

UL-cUL
Listed for use on 3 hour fire doors (4' x 8' single and smaller doors). UL symbol on front stamped letter F indicates listing.

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ADA
Meets A117.1 Accessibility Code.

Functions

Series/Function	Type	Function Description
HP3010	Passage	• Both paddles retract latch • Ideal for patient rooms and closets
HP3020	Privacy	• Inside paddle always retracts latch • Outside paddle retracts latch, except when locked by inside push button • Closing door unlocks outside paddle • Includes emergency release • Vertical orientation required • Ideal for bathrooms

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Corbin Russwin
ASSA ABLOY

Electrified Options & Accessories

ML20900 Series with BHSS, BHL, HSS, HPSK Trim

BPS Power Supply

Operation

Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. All modular power supplies are designed to meet UL 1481 Standards. Recommended for the ML20900, delayed egress exit devices and electric trim.

Features

- Fire panel emergency release input
- PC Board mounted system LED indicator
- Regulated and filtered with input and output protection
- Battery charging is provided from a separate output terminal

Electrical Specifications

- Inputs: 115VAC @600mA
- Outputs: 12/24 VDC @ 1 Amp, 1.5 Amp or 4 Amp, Filtered and regulated output

Listings

- UL & cUL listed 1012 General Purpose Power Supply
- Fire & Burglar Alarm Power Supply Unit URT2
- Releasing device Accessory SYSW
- Access Control Systems Units ALVY
- Burglar Alarm Systems Power Supply APHY

Applications

- D – Delayed Egress
- M97 – Electric Dogging
- SAF – Fail Safe mortise device trim control
- SEC – Fail Secure mortise device trim control
- ML20900



Note: Batteries are not included with the BPS power supply

Model	Enclosure	Input	Output
BPS-24-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1 Amp @ 24 VDC
BPS-24-2	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	2 Amp @ 24 VDC
BPS-24-4	15" (381mm) x 18" (457mm) x 6" (152mm)	115VAC, 50/60 Hz.	4 Amp @ 24VDC
BPS-12-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1 Amp @ 12 VDC
BPS-12-3	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	3 Amp @ 12 VDC

Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With *ElectroLynx*, doorway components come pre-wired for easy hookup to the power source. The key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx:

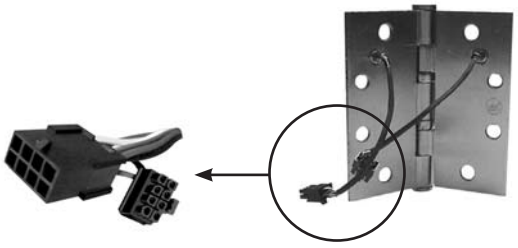
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect a ML20900 electrified mortise lock to the electronic access control system, the following items are required:

- ML20900 electrified mortise lock
- ASSA ABLOY Door Group pre-wired door, or *ElectroLynx* retrofit cable (order from McKinney)
- Electronic transfer device (*ElectroLynx* electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKinney)
- *ElectroLynx* cable from the hinge to above the ceiling (order from McKinney)

Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

The McKinney QC8 ElectroLynx Hinge is recommended for all ML20900 functions and electrified options.



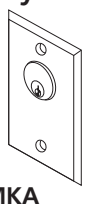
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Electrified Options & Accessories

ML20900 Series with BHSS, BHL, HSS, HPSK Trim

Exit Controls and Switches

Key Switches



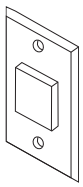
MKA

MKA - (1) SPDT Maintained
MK - (1) SPDT Momentary
MKN - (1) SPDT Momentary NS
MK2 - (1) DPDT Momentary
MKPZ x MKS - (1) SPDT Momentary with audio Double Gang x Additional Switch
Note: All key switches come standard with 12/24 VDC bi-color LED.

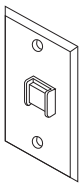
Specifications

- Keyswitch for operation using a standard 1-1/8" mortise cylinder (A02 cam) (cylinder not included).
- Contact Rating 5 Amps @ 12-24VDC
- SPDT 3-position.

Push Buttons



PB2



PB3

PB2 - (1) SPDT Momentary
PB2 - (1) DPST Remote Momentary
PB3 - (1) DPST Momentary
PB3A - (1) DPST Maintained (Alt. Action)
PB3EA - (1) DPST Alternate

Specifications

- 3 Amps @ 12-24 VDC

Indicator

ZLP - (1) Red and Green LED on narrow gang plate.

Audible/Visual Annunciators



PZ1

PZ1 - Sonalert 90db @ 2ft. 12-24VDC. Mounted on one gang stainless steel plate.

Digital Entry

DK-11 - Digital Keypad - 4 User
DK-26SS - Digital Keypad NS - 59 User - SS Finish
DK-26BK - Digital Keypad NS - 59 User - Black Finish

Power Transfers

TSB B-C - Door Cord

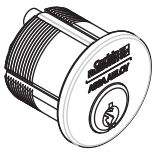
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Cylinders

ML2000 and ML20900 Series with BHSS, BLSS, HSS, HPSK Trim

Cylinders

2 nickel silver keys
Finishes: See Key Systems catalog





Interchangeable Core (I.C.) Shown

Mortise Cylinder Type	Quick Code	Hotel Function	42 (inside) 52, 53, 55, 56, 58, 69 Functions	All Other Keyed and 42 (outside) Functions
Access 3® Patented	AP	1501-114-A01	1500-114-A02	1500-114-A01
Access 3® Security	AS	1601-114-A01	1600-114-A02	1600-114-A01
Access 3® High Security	AHS	1701-114-A01	1700-114-A02	1700-114-A01
Access 3® Patented IC	ACP	N/A	1580-114-A02	1580-114-A01
Access 3® Security IC	ACS	N/A	1680-114-A02	1680-114-A01
Access 3® High Security IC	ACHS	N/A	1788-114-A02	1788-114-A01
Pyramid HS	PHS	N/A	1020-114-A02	1020-114-A01
Pyramid HS IC	PCHS	N/A	1030-114-A02	1030-114-A01
Pyramid Security	PS	N/A	1027-114-A02	1027-114-A01
Pyramid Security IC	PCS	N/A	1037-114-A02	1037-114-A01
Conventional 6-pin	N/A	1001-114-A01	1000-118-A02	1000-118-A01
Conventional 7-pin	7P	N/A	1000-114-A02-7	1000-114-A01-7
6-pin IC	C6	1081-138-A01	1080-114-A02	1080-114-A01
7-pin IC	C7	N/A	1080-112-A02-7	1080-112-A01-7
Security	HS	1011-114-A01	1010-118-A02	1010-118-A01
Security IC	CHS	1091-138-A01	1090-114-A02	1090-114-A01

To order optional cylinder with lockset, see Quick Codes, page 15.
To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 1000-118-A01 x L4 x 626).

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ML2000 and ML20900 Series with BHSS, BLSS, HSS, HPSK Trim

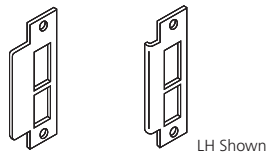
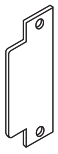
Strikes

ANSI Straight Lip (standard)

Stainless steel
Non-handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center (standard)
Optional lip lengths: 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

ANSI Curved Lip

Stainless steel
Handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center (standard)
Optional lip lengths: 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

	Part No.	Description
 LH Shown All functions	236L72	Straight Lip
	340L60	Curved Lip for RH/LHR
	340L61	Curved Lip for LH/RHR
 Blank Filler Plate	236L70	Straight Lip

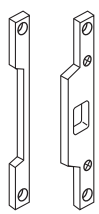
To order strike with lockset, see How to Order, page 16.
To order strike separately, specify Part No. x Lip Length x Finish (e.g., 340L60 x 1-1/2" x 626).

Rabbeted Front and Strike

Brass or bronze
For 1/2" (13mm) rabbet
No optional lip lengths

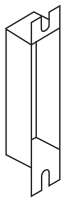
	Part No.	Hand
Latchbolt x Deadbolt	318F66 318F69	RH/LHR LH/RHR
Latchbolt only	318F64 318F67	RH/LHR LH/RHR
Deadbolt only	318F65 318F68	RH/LHR LH/RHR

To order with lockset, see Quick Codes, page 16.
To order separately, specify Part No. x Finish (e.g., 318F66 x 626).



ANSI Wrought Strike Box

To order with lockset, see Quick Codes, page 16.
To order separately, specify 120F76.

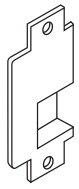


Open Back

Size: 5-1/4" (133mm) x 1/4" (32mm).

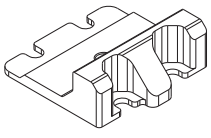
Hand	Door Thickness	Part
LHR	1-3/4" (44mm)	411L63 016
	2" (51mm)	411L63 018
	2-1/4" (57mm)	411L63 020
RHR	1-3/4" (44mm)	411L62 016
	2" (51mm)	411L62 018
	2-1/4" (57mm)	411L62 020

To order with lockset, see Quick Codes, page 16. To order separately, specify Part No. x Door Thickness x Finish (e.g., 411L62 x 2" x 626).



Kits

Positive Pull Stop Kit (HPSK)
Used on openings where weather stripping is installed or when door closers are not utilized, this kit prevents the latch from retracting when pulling door closed. Contains 2 wood screws, 2 machine screws and instructions. To order, specify 813F068.



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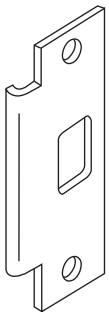
Strikes/Kits

HP3000 Series Tubular Lock with Push/Pull Paddle Trim

Strikes

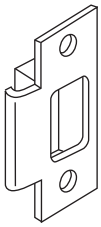
ANSI Curved Lip
(Standard)
Stainless steel, 4-7/8" (124mm) x 1-1/4" (57mm) x 1-1/4" (57mm) lip to center.

To order with push/pull paddle trim, see Quick Codes, page 16. To order separately, specify 217L13 x Finish.



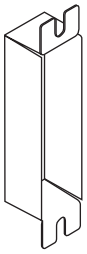
Curved Lip Box
(Optional)
Brass, 2-3/4" (70mm) x 1-1/8" (29mm) x 1-1/4" (57mm) lip to center.

To order with push/pull paddle trim, see Quick Codes, page 16. To order separately, specify 586L19 x Finish.



ANSI Wrought Strike Box
To order with push/pull paddle trim, see Quick Codes, page 16.

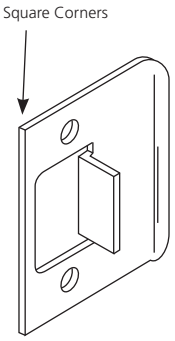
To order separately, specify 120F76.



Full Lip Strike (SF114)
Brass, 2-1/4" (57mm) x 1-3/4" (44mm) x 1-1/4" (32mm) lip to center. No optional lip lengths.

To order separately specify 680L50M020 x Finish.

Anti-rattle tab.

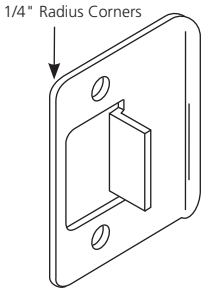


Full Lip Strike – 1/4" Radius Corners (SFR114)

Brass, 2-1/4" (57mm) x 1-3/4" (44mm) x 1-1/4" (32mm) lip to center. No optional lip lengths.

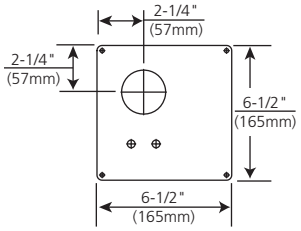
To order separately specify 680L51M020 x Finish.

Anti-rattle tab.

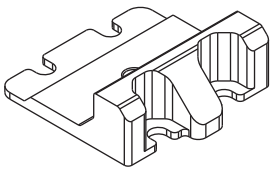


Kits

Kit for Retrofitting HP3000 Push/Pull Paddle Trim
Use to cover prep from HL10 series push/pull trim and other manufacturer's trim, when retrofitting HP3000 trim. Contains 2 retrofit plates and 8 screws. Available in 630 finish only. To order, specify 791F39.



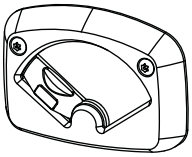
Positive Pull Stop Kit
Used on openings where weather stripping is installed or when door closers are not utilized, this kit prevents the latch from retracting when pulling door closed. Contains 2 wood screws, 2 machine screws and instructions. To order, specify 813F068.



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Thumbturns

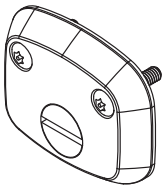
ML2000 and ML20900 Series with BHSS, BLSS, HSS, HPSK Trim



Thumbturn for BHSS, BLSS, HSS, HPSK*

Stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 3-3/4" (95mm) x 2-1/2" (64mm)

Door Thickness	Packet
1-3/4" (44mm)	851F617
2" (51mm)	851F637
2-1/4" (57mm)	851F647



Emergency Turn for BHSS, BLSS, HSS, HPSK*

Stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 3-3/4" (95mm) x 2-1/2" (64mm)

Door Thickness	Packet
1-3/4" (44mm)	851F677
2" (51mm)	851F687
2-1/4" (57mm)	851F697

*HPSK available for 1-3/4" door only.

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How to Order

Stock Order

Quantity	Series/Function	Trim	Finish	Hand	Voltage	Misc. Options
100	ML20907	BLSS	630	RHR	12AD	M105
100	ML2010	BHSS	630	RHR	—	—
100	HP3000	HPSK	630	RHR	—	—

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Voltage	Door Thickness	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	ML2055	HPSK	630	RHR	—	D214	SA200	M26	C7	VKC3
24	AA1	ML20914	BHSS	630	RHR	12AD	—	—	M20	7P	VKC3

Anti-Harm Knob (HSS) Trim – Lever Trim x HSS Knob

Quantity	Series/Function	Trim		Finish	Hand
		Outside	Inside		
6	ML2055	NSA	HSS	630C	RH

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Quick Codes

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with temporary construction core	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 6-pin less core	CL6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
SFIC 6-pin with Less Core[1]	CLS6
IC 7-pin	C7
IC 7-pin with temporary construction core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin less core	CL7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
SFIC 7-pin with Less Core[1]	CLS7
Security	HS
Security IC	CHS
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid IC Less Core	CLP
Pyramid with temporary construction core	CTP
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid Disposable Core	CTPD
6-Pin Disposable Core	CT6D
7-Pin Disposable Core	CT7D
Keyed random	KR
Construction master keyed (not available for Pyramid)	CMK

Cylinder and Keying (cont.)

Description	Specify
Visual key control	
- No keying data stamped on key or cylinder	VKC0
- Keys only	VKC1
- Cylinders and keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders with VKC keys	CKC2
- CKC cylinders only (not for PHS or PCHS)	CKC3
2 keys per lock More than 2 keys	(standard) KY# (e.g., KY6)

1. Not available with ML2029.

Finishes

Description		Specify
ANSI/BHMA 630 (US32D)	Satin Stainless Steel	630
630C	Satin Stainless Steel with MicroShield®	630C

Door Thickness

Door Thickness	Specify
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

ML2000 or ML20900 x HPSK available 1-3/4" door thickness only.

Backset - HP3000 Series (5" - Standard)

Description	Specify
5" (127mm)	(standard)
2-3/4" (70mm)	B234
7" (177mm)	B700

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Quick Codes

Strikes - Mortise

ANSI Lip to Center	ANSI Straight Lip Specify	Curved Lip Specify
1-1/8" (29mm)	(standard)	SA118
1-1/4" (32mm)	SS114	SA114
1-3/8" (35mm)	SS138	SA138
1-1/2" (38mm)	SS112	SA112
1-3/4" (44mm)	SS134	SA134
2" (51mm)	SS200	SA200
2-1/4" (57mm)	SS214	SA214
2-1/2" (64mm)	SS212	SA212
2-3/4" (70mm)	SS234	SA234
3" (76mm)	SS300	SA300

Strikes - Tubular

Lip to Center	ANSI Curved Lip, Specify	Curved Lip Box, Specify	Full Lip, Specify
1" (25mm)	SA100	SC100	N/A
1-1/8" (29mm)	SA118	SC118	N/A
1-1/4" (32mm)	(standard)	SC114	SF114*
1-3/8" (35mm	SA138	SC138	N/A
1-1/2" (38mm)	SA112	SC112	N/A
1-3/4" (44mm)	SA134	SC134	N/A
2" (51mm)	SA200	SC200	N/A
2-1/4" (57mm)	SA214	SC214	N/A
2-1/2" (28mm)	SA212	SC212	N/A
2-3/4" (70mm)	SA234	SC234	N/A
3" (76mm)	SA300	SC300	N/A

*Specify SFR114 for rounded corner.

Handing

Description	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Fail Safe/Fail Secure

Description	Specify
Fail safe	SAF
Fail secure	SEC

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Phillips head screws	(standard)
Torx® head screws	M04
Hex head screws (HP3000)	M05
Latch front, rounded corners (HP3000)	M13
ANSI wrought strike box	M17
Lead lining (HP3000)	M28
Lead lining (BHSS, BLSS, HSS, HPSK)	M29
Half trim (for ML2010, ML2020, ML2022, ML2024, ML2029, ML2030, ML2032, ML2052, ML2053, ML2055, ML2056, ML2057, ML2058, ML2059, Ml2062, ML2065) (Supplied with inside trim only. Includes cylinder)[1]	M30
Working trim only[2]	M31
"PUSH & PULL" Identification[3] (HPSK, HP3000)	M38
Tapered Cylinder Collar[1]	M111
Latch hold back (for ML2042, ML2052, ML2055, ML2051, ML2057 only)[4]	LHB

1. Available on HPSK trim only
2. BHSS & HSS must be ordered complete with lockbody from the factory. HPSK trim only available for lockbody manufactured after January 2017. BLSS trim only available for lockbody manufactured after July 2008
3. Non-handed
4. Must use A02 cam when LHB is specified

Electric Monitor Options (ML20900 Series Only)

Description	Specify
Latchbolt Monitor	M91
Request to Exit	M92
Security Monitor	M105

These options may be ordered together only as follows: M91xM92, M92xM105.

Electric Accessories

Description	Specify
Power supply 1.0 Amp @ 12 VDC output	BPS-12-1
Power supply 3.0 Amp @ 12 VDC output	BPS-12-3
Power supply 1.0 Amp @ 24 VDC output	BPS-24-1
Power supply 2.0 Amp @ 24 VDC output	BPS-24-2
Power supply 4.0 Amp @ 24 VDC output	BPS-24-4

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ML2000 Series Mortise Locks with BHSS and BLSS Trim

1. Ligature Resistant, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to accepted OMH requirements with ligature-resistant lever and escutcheon trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and escutcheons are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.
   A. Acceptable Manufacturers:
      1. Sargent Manufacturing (SA) – 8200 BHW Series
      2. Corbin Russwin (RU) – ML2000 BHSS Series
      3. Accurate Lock (AC) – CP Crescent Pull Series (with Teflon pad)
2. Ligature Resistant, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to [accepted] [Use with caution] OMH requirements with ligature-resistant lever and rose trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and roses are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.
   B. Acceptable Manufacturers:
      1. Sargent Manufacturing (SA) - 8200 BHL Series
      2. Corbin Russwin (RU) – ML2000 BLSS Series
      3. Best Lock (BE) – SPSL Series
      4. Town Steel (TS) – MRX-L Series

ML2000 and ML20900 Series (HPSK) Mortise Locks with Push/Pull Paddle Trim

1. All locksets shall be ML2000 Series Mortise Locksets as manufactured by Corbin Russwin Architectural Hardware, Berlin, CT.
2. Locks shall meet or exceed the requirements of ANSI/BHMA A156.13 Series 1000, Operational Grade 1, and Security Grade 1 with all standard trims.
3. Locks shall be easily re-handed without opening the lock body.
4. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of A label (3 hours) and less, for doors up to 4'0" (1.2m) x 10'0" (3.05m) and pairs of doors 8'0" (2.4m) x 10'0" (3.05m)
5. Construction:
   A. Lock functions shall be manufactured in a single-sized case formed from 12 gauge steel minimum.
   B. Lock cases shall be closed on all sides and back.
   C. Locks shall have field adjustable, beveled, armored front, with a 1/8" (3mm) thickness minimum.
   D. Locks shall have a one piece, 3/4" (19mm) throw anti-friction stainless steel latch.
   E. Deadbolts, where specified, shall be full one inch (25mm) throw made of one-piece hardened stainless steel.
6. Lockset paddles shall be capable of horizontal or vertical mounting positions.
7. Locks shall have a 2-3/4" (70mm) backset, standard.
8. Strikes shall be non-handed with a curved lip.
9. Locks shall have brass 6-Pin cylinder, standard.
10. Locks shall have a 10 year limited warranty. 2 year limited warranty on electrified locks.

HP3000 Series Tubular Lock with Push/Pull Paddle Trim

1. Tubular hospital locks shall be HP3000 series as manufactured by Corbin Russwin Architectural Hardware, Berlin, CT.
2. Locks shall meet or exceed requirements of ANSI/BHMA A156.2 Series 4000 Grade 1.
3. Locks shall be easily re-handed with a non-handed curved lip strike.
4. Locks shall be listed for use on 3 hour fire doors (4' x 8' single and smaller doors).
5. Locks shall comply with UL10C and UBC 7-2 positive pressure requirements.
6. Lockset paddles shall be capable of horizontal or vertical mounting positions.
7. Locks shall have 2-3/4", 5" or 7" backset available.
8. Locks shall have one-year limited warranty.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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For additional information, contact your ASSA ABLOY Door Security Solutions sales consultant or visit **www.corbinrusswin.com.**

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Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
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Security Solutions Canada
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Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 800-461-8989
www.assaabloydss.ca

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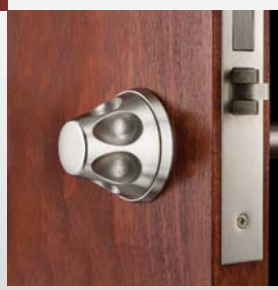
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Specialty Hardware

Product Catalog

Experience a safer
and more open world

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Features

ML2000 and ML20900 Series with BHSS Trim*

Part of the Behavioral Health Series® of products, the ML2000 Series mortise lock with BHSS trim has tapered surfaces and an integrated lever and escutcheon, bringing an elegant style to behavioral health environments. The ML2000 Series' heavy-duty design and ANSI/BHMA Grade 1 strength help it to withstand abuse in any environment.



Patent pending and/or patent www.assaabloydss.com/patents

Features

Handing
Handed - Must specify on order.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 15.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought stainless steel attached by machine screws to lockcase front. Utilizes security Torx® screws. Torx® screws come standard.

Latchbolt
2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub
Lever: steel, 5/16" (8mm).

Lever
Cast stainless steel.

Escutcheon
Cast stainless steel.

Strike
Wrought stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Thumbturn
Cast stainless steel construction. See page 13.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard.
Optional cylinders available; see Quick Codes, page 15.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Access 3 cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Access 3 IC
Pyramid IC

Functions
Available with all ML2000 functions except ML2050, ML2070 and ML2080.
Available with all ML20900 electrified mortise lock functions. Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Electrical Specifications
(Fail Safe/Fail Secure)
12/24VDC @ 15mA Continuous
12/24VDC Peak current draw = .5A
(Maximum of 2 locks per 1A Power Supply)
Monitor Switch Rating: 2 amp @ 24VDC
Note: Operating voltage not to exceed +/- 10%.
See Quick Codes, page 16.

Monitor Options

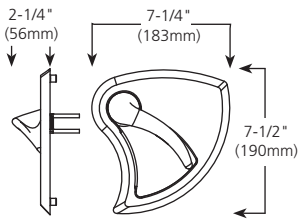
M91 - Latchbolt Monitor
Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.

M92 - Request to Exit Monitor
Request to Exit monitoring is a SPDT switch which monitors the activation of the trim. (Both levers activate switch)

M105 - Security Monitor
Security Monitor is two switches in series that monitors lock status (locked or unlocked) and Auxiliary Latch position.
Note: Monitoring options may only be ordered together as follows: M91xM92, M92xM105.

Warranty
Ten-year limited. Two-year limited warranty on electronic components.

Trim Dimensions



Certification/Compliance

ANSI/BHMA
Certified A156.13 Series 1000, Operational and Security Grade 1.
Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

UL-cUL-UL10C Positive Pressure
All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair.
Letter F and UL symbol on armored front indicate listing.
Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

**Although this product is better designed for behavioral health applications than traditional trim, it does not eliminate the risk that an object can be affixed to, or around it.*

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Corbin Russwin
ASSA ABLOY

Features

ML2000 and ML20900 Series with BLSS Trim*

Part of the Behavioral Health Series®, the ML2000 Series mortise lock with BLSS trim offers durability and strength in behavioral healthcare settings. With a variety of available functions, it is flexible enough to use in many applications, and the sloped surfaces and overlapping lever and rose construction address common concerns in behavioral health.



Features

Handing
Non-handed.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 15.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought stainless steel attached by machine screws to lockcase front. Utilizes security Torx® screws. Torx® screws come standard.

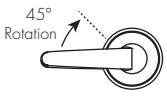
Latchbolt
2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub
Lever: steel, 5/16" (8mm).

Lever
Cast stainless steel.
Inside and outside levers rotate freely up and down at 45 degrees release feature: lever freely rotates up to 45°.



Rose
Cast stainless steel.

Strike
Wrought stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Thumbturn
Cast stainless steel construction. See page 13.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard. Optional cylinders available; see Quick Codes, page 15.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Access 3 cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Access 3 IC
Pyramid IC

Functions
Available with the following functions: ML2010, ML2022, ML2024, ML2030, ML2032, ML2042, ML2052, ML2054, ML2055, ML2057, ML2060, ML2062, ML2065, ML2067, ML2069, ML20906, ML20907, ML20914, ML20915 and ML20932.
Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Electrical Specifications (Fail Safe/Fail Secure)
12/24VDC @ 15mA Continuous
12/24VDC Peak current draw = .5A (Maximum of 2 locks per 1A Power Supply)
Monitor Switch Rating: 2 amp @ 24VDC
Note: Operating voltage not to exceed +/- 10%.
See Quick Codes, page 16.

Monitor Options

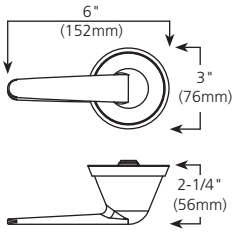
M91 - Latchbolt Monitor
Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.

M92 - Request to Exit Monitor
Request to Exit monitoring is a SPDT switch which monitors the activation of the trim. (Both levers activate switch)

M105 - Security Monitor
Security Monitor is two switches in series that monitors lock status (locked or unlocked) and Auxiliary Latch position.
Note: Monitoring options may only be ordered together as follows: M91xM92, M92xM105.

Warranty
Ten-year limited. Two-year limited warranty on electronic components.

Trim Dimensions



Certification/Compliance

ANSI/BHMA
Certified A156.13 Series 1000, Operational and Security Grade 1. Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

A.D.A.
Conforms to ADA requirements for barrier-free accessibility.

UL-cUL-UL10C Positive Pressure
All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair.
Letter F and UL symbol on armored front indicate listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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Corbin Russwin
ASSA ABLOY

Features

ML2000 and ML20900 Series with HSS Trim*

The anti-harm knob (HSS) is designed for safety and security by eliminating catch points with a tapered knob recessed into the rose, a tapered thumbturn (for mortise lock thumbturn functions) with Torx® pin security screws, tapered cylinder collars and concealed mounting screws. Available as sectional trim, the anti-harm knob features recessed finger holes for a better grip and the reliability of the ML2000 Series ANSI/BHMA grade 1 mortise lock. Ideal for psychiatric or detention facilities.



Features

Handing
Handed; quick reversible. The lockset can be re-handed without disassembling the lock case.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 15.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought brass, bronze or stainless steel attached by machine screws to lockcase front.

Latchbolt
2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub
Lever: steel, 5/16" (8mm).

Strike
Wrought stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Thumbturn
Cast stainless steel construction. See page 13.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard.
Brass, fixed 6-pin conventional fixed core cylinder.
Optional cylinders available; see Quick Codes, page 15.

Keys
Two nickel silver standard.

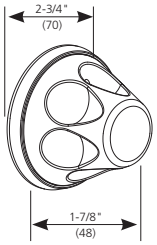
Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Access 3 cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Access 3 IC
Pyramid IC

Functions
Available with all ML2000 functions except ML2029, ML2030, ML2049, ML2050, ML2059, ML2062, ML2065, ML2067, ML2070, ML2072, ML2073, ML2075, ML2080, ML2082.
Available with all ML20900 electrified mortise lock functions except NAC. Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Electrical Specifications (Fail Safe/Fail Secure)
12/24VDC @ 15mA Continuous
12/24VDC Peak current draw = .5A (Maximum of 2 locks per 1A Power Supply)
Monitor Switch Rating: 2 amp @ 24VDC
Note: Operating voltage not to exceed +/- 10%.
See Quick Codes, page 16.

Warranty
Ten-year limited. Two-year limited warranty on electronic components.

Trim Dimensions



Certification/Compliance

ANSI/BHMA
Certified A156.13 Series 1000, Operational and Security Grade 1.

Federal
Meets FF-H-106C.
UL /cUL-UL10C Positive Pressure
All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair. Letter F and UL symbol on armored front indicate listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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Corbin Russwin
ASSA ABLOY

Features

ML2000 and ML20900 Series with HPSK Trim

The ML2000 Series mortise lock with push/pull paddle trim provides an aesthetically pleasing alternative to products with standard push/pull trim. Its heavy-duty design and ANSI/BHMA Grade1 strength help it to withstand abuse from rigorous environments. Multiple mounting orientations, hands free operation and a sleek, aesthetic form, make the ML2000 Series mortise lock ideal for use in healthcare facilities and educational facilities.



Patent pending and/or patent www.assaabloydss.com/patents

Features

Handing

Handed; quick reversible. The lockset can be re-handed without disassembling the lock case.

Door Thickness

1-3/4" (44mm).

Backset

2-3/4" (70mm).

Lockcase

Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front

Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front

Wrought brass, bronze or stainless steel attached by machine screws to lockcase front.

Latchbolt

2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt

9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt

One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub

Lever: steel, 5/16" (8mm).

Covers

Cast stainless steel.

Paddles

Cast stainless steel. Non-handed.

Strike

Wrought stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Thumbturn

Cast stainless steel construction. See page 13.

Cylinder

Brass, 6-pin, L4 keyway, 0-bitted standard.

Optional cylinders available; see Quick Codes, pages 15.

Keys

Two nickel silver standard.

Keying Features Available

Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Access 3 cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Access 3 IC
Pyramid IC

Functions

Available with all ML2000 functions except ML2050, ML2070 and ML2080.
Available with all ML20900 electrified mortise lock functions. Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Electrical Specifications
(Fail Safe/Fail Secure)

12/24VDC @ 15mA Continuous

12/24VDC Peak current draw = .5A (Maximum of 2 locks per 1A Power Supply)

Monitor Switch Rating: 2 amp @ 24VDC

Note: Operating voltage not to exceed +/- 10%.

See Quick Codes, page 16.

Monitor Options

Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.

M91 - Latchbolt Monitor

Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.

M92 - Request to Exit Monitor

Request to Exit monitoring is a SPDT switch which monitors the activation of the trim. (Both levers activate switch)

M105 - Security Monitor

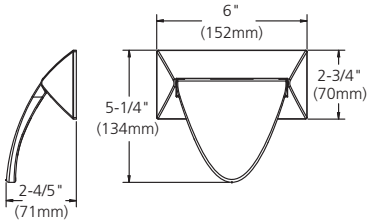
Security Monitor is two switches in series that monitors lock status (locked or unlocked) and Auxiliary Latch position.

Note: Monitoring options may only be ordered together as follows: M91xM92, M92xM105.

Mounting Options

Paddle trim can be mounted as horizontal (up or down) and vertical (sideways) orientations in the field.

Cover and Paddle Dimensions



Warranty

Ten-year limited. Two-year limited warranty on electronic components.

Certification/Compliance

ANSI/BHMA

Certified A156.13 Series 1000, Operational and Security Grade 1.

Meets A117.1 Accessibility Code.

Federal

Meets FF-H-106C.

UL-cUL-UL10C Positive Pressure

All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair.

Letter F and UL symbol on armored front indicate listing.

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Corbin Russwin
ASSA ABLOY

Features/Functions

HP3000 Series Tubular Lock with Push/Pull Paddle Trim

The HP3000 Series tubular Lock with push/pull paddle trim provides an aesthetically pleasing alternative to products with standard push/pull trim. Its heavy-duty design and ANSI/BHMA Grade1 strength help it to withstand abuse from rigorous environments. Multiple mounting orientations, hands free operation and a sleek, aesthetic form, make the HP3000 Series ideal for use in healthcare facilities and educational facilities.



Patent pending and/or patent www.assaabloydss.com/patents

Features

Handing
Passage (HP3010) function is non-handed.
Privacy (HP3020) function is handed.
Specify hand.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 15.

Backset
5" (127mm) standard.
Optional: 2-3/4" (70mm) and 7" (177mm); see Quick Codes, page 15.

Latchbolt
Brass, 1/2" (13mm) throw

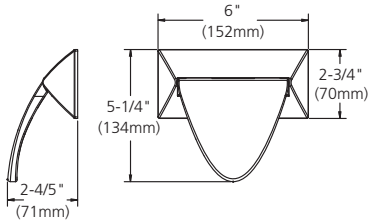
Strike
ANSI curved lip strike standard, 4-7/8" x 1-1/4" x 1-1/4" lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; See Quick Codes, page 16.

Covers
Cast stainless steel

Paddles
Cast stainless steel

Mounting Options
Paddle trim can be mounted as horizontal (up or down) and vertical (sideways) orientations in the field.

Cover and Paddle Dimensions



Warranty
One-year limited

Certification/Compliance

ANSI/BHMA
Certified A156.2 Series 4000 Grade 1.

UL-cUL
Listed for use on 3 hour fire doors (4' x 8' single and smaller doors). UL symbol on front stamped letter F indicates listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

ADA
Meets A117.1 Accessibility Code.

Functions

Series/Function	Type	Function Description
HP3010	Passage	• Both paddles retract latch • Ideal for patient rooms and closets
HP3020	Privacy	• Inside paddle always retracts latch • Outside paddle retracts latch, except when locked by inside push button • Closing door unlocks outside paddle • Includes emergency release • Vertical orientation required • Ideal for bathrooms

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Corbin Russwin
ASSA ABLOY

Electrified Options & Accessories

ML20900 Series with BHSS, BHL, HSS, HPSK Trim

BPS Power Supply

Operation

Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. All modular power supplies are designed to meet UL 1481 Standards. Recommended for the ML20900, delayed egress exit devices and electric trim.

Features

- Fire panel emergency release input
- PC Board mounted system LED indicator
- Regulated and filtered with input and output protection
- Battery charging is provided from a separate output terminal

Electrical Specifications

- Inputs: 115VAC @600mA
- Outputs: 12/24 VDC @ 1 Amp, 1.5 Amp or 4 Amp, Filtered and regulated output

Listings

- UL & cUL listed 1012 General Purpose Power Supply
- Fire & Burglar Alarm Power Supply Unit URT2
- Releasing device Accessory SYSW
- Access Control Systems Units ALVY
- Burglar Alarm Systems Power Supply APHY

Applications

- D – Delayed Egress
- M97 – Electric Dogging
- SAF – Fail Safe mortise device trim control
- SEC – Fail Secure mortise device trim control
- ML20900



Note: Batteries are not included with the BPS power supply

Model	Enclosure	Input	Output
BPS-24-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1 Amp @ 24 VDC
BPS-24-2	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	2 Amp @ 24 VDC
BPS-24-4	15" (381mm) x 18" (457mm) x 6" (152mm)	115VAC, 50/60 Hz.	4 Amp @ 24VDC
BPS-12-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1 Amp @ 12 VDC
BPS-12-3	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	3 Amp @ 12 VDC

Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With *ElectroLynx*, doorway components come pre-wired for easy hookup to the power source. The key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx:

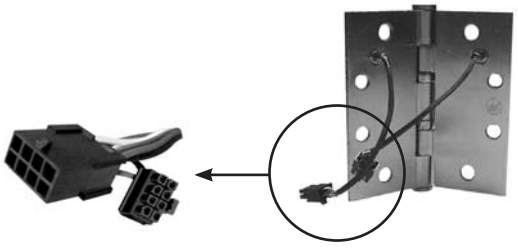
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect a ML20900 electrified mortise lock to the electronic access control system, the following items are required:

- ML20900 electrified mortise lock
- ASSA ABLOY Door Group pre-wired door, or *ElectroLynx* retrofit cable (order from McKinney)
- Electronic transfer device (*ElectroLynx* electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKinney)
- *ElectroLynx* cable from the hinge to above the ceiling (order from McKinney)

Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

The McKinney QC8 ElectroLynx Hinge is recommended for all ML20900 functions and electrified options.



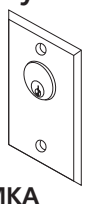
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Electrified Options & Accessories

ML20900 Series with BHSS, BHL, HSS, HPSK Trim

Exit Controls and Switches

Key Switches



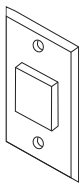
MKA

MKA - (1) SPDT Maintained
MK - (1) SPDT Momentary
MKN - (1) SPDT Momentary NS
MK2 - (1) DPDT Momentary
MKPZ x MKS - (1) SPDT Momentary with audio Double Gang x Additional Switch
Note: All key switches come standard with 12/24 VDC bi-color LED.

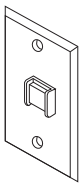
Specifications

- Keyswitch for operation using a standard 1-1/8" mortise cylinder (A02 cam) (cylinder not included).
- Contact Rating 5 Amps @ 12-24VDC
- SPDT 3-position.

Push Buttons



PB2



PB3

PB2 - (1) SPDT Momentary
PB2 - (1) DPST Remote Momentary
PB3 - (1) DPST Momentary
PB3A - (1) DPST Maintained (Alt. Action)
PB3EA - (1) DPST Alternate

Specifications

- 3 Amps @ 12-24 VDC

Indicator

ZLP - (1) Red and Green LED on narrow gang plate.

Audible/Visual Annunciators



PZ1

PZ1 - Sonalert 90db @ 2ft. 12-24VDC. Mounted on one gang stainless steel plate.

Digital Entry

DK-11 - Digital Keypad - 4 User
DK-26SS - Digital Keypad NS - 59 User - SS Finish
DK-26BK - Digital Keypad NS - 59 User - Black Finish

Power Transfers

TSB B-C - Door Cord

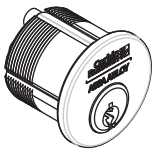
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Cylinders

ML2000 and ML20900 Series with BHSS, BLSS, HSS, HPSK Trim

Cylinders

2 nickel silver keys
Finishes: See Key Systems catalog





Interchangeable Core (I.C.) Shown

Mortise Cylinder Type	Quick Code	Hotel Function	42 (inside) 52, 53, 55, 56, 58, 69 Functions	All Other Keyed and 42 (outside) Functions
Access 3® Patented	AP	1501-114-A01	1500-114-A02	1500-114-A01
Access 3® Security	AS	1601-114-A01	1600-114-A02	1600-114-A01
Access 3® High Security	AHS	1701-114-A01	1700-114-A02	1700-114-A01
Access 3® Patented IC	ACP	N/A	1580-114-A02	1580-114-A01
Access 3® Security IC	ACS	N/A	1680-114-A02	1680-114-A01
Access 3® High Security IC	ACHS	N/A	1788-114-A02	1788-114-A01
Pyramid HS	PHS	N/A	1020-114-A02	1020-114-A01
Pyramid HS IC	PCHS	N/A	1030-114-A02	1030-114-A01
Pyramid Security	PS	N/A	1027-114-A02	1027-114-A01
Pyramid Security IC	PCS	N/A	1037-114-A02	1037-114-A01
Conventional 6-pin	N/A	1001-114-A01	1000-118-A02	1000-118-A01
Conventional 7-pin	7P	N/A	1000-114-A02-7	1000-114-A01-7
6-pin IC	C6	1081-138-A01	1080-114-A02	1080-114-A01
7-pin IC	C7	N/A	1080-112-A02-7	1080-112-A01-7
Security	HS	1011-114-A01	1010-118-A02	1010-118-A01
Security IC	CHS	1091-138-A01	1090-114-A02	1090-114-A01

To order optional cylinder with lockset, see Quick Codes, page 15.
To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 1000-118-A01 x L4 x 626).

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ML2000 and ML20900 Series with BHSS, BLSS, HSS, HPSK Trim

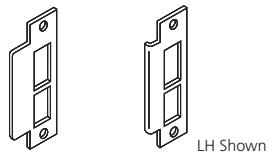
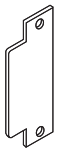
Strikes

ANSI Straight Lip (standard)

Stainless steel
Non-handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center (standard)
Optional lip lengths: 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

ANSI Curved Lip

Stainless steel
Handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center (standard)
Optional lip lengths: 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

	Part No.	Description
 LH Shown All functions	236L72	Straight Lip
	340L60	Curved Lip for RH/LHR
	340L61	Curved Lip for LH/RHR
 Blank Filler Plate	236L70	Straight Lip

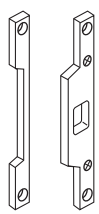
To order strike with lockset, see How to Order, page 16.
To order strike separately, specify Part No. x Lip Length x Finish (e.g., 340L60 x 1-1/2" x 626).

Rabbeted Front and Strike

Brass or bronze
For 1/2" (13mm) rabbet
No optional lip lengths

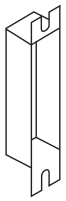
	Part No.	Hand
Latchbolt x Deadbolt	318F66 318F69	RH/LHR LH/RHR
Latchbolt only	318F64 318F67	RH/LHR LH/RHR
Deadbolt only	318F65 318F68	RH/LHR LH/RHR

To order with lockset, see Quick Codes, page 16.
To order separately, specify Part No. x Finish (e.g., 318F66 x 626).



ANSI Wrought Strike Box

To order with lockset, see Quick Codes, page 16.
To order separately, specify 120F76.

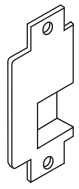


Open Back

Size: 5-1/4" (133mm) x 1/4" (32mm).

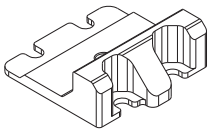
Hand	Door Thickness	Part
LHR	1-3/4" (44mm)	411L63 016
	2" (51mm)	411L63 018
	2-1/4" (57mm)	411L63 020
RHR	1-3/4" (44mm)	411L62 016
	2" (51mm)	411L62 018
	2-1/4" (57mm)	411L62 020

To order with lockset, see Quick Codes, page 16. To order separately, specify Part No. x Door Thickness x Finish (e.g., 411L62 x 2" x 626).



Kits

Positive Pull Stop Kit (HPSK)
Used on openings where weather stripping is installed or when door closers are not utilized, this kit prevents the latch from retracting when pulling door closed. Contains 2 wood screws, 2 machine screws and instructions. To order, specify 813F068.



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Corbin Russwin
ASSA ABLOY

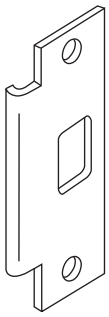
Strikes/Kits

HP3000 Series Tubular Lock with Push/Pull Paddle Trim

Strikes

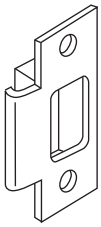
ANSI Curved Lip
(Standard)
Stainless steel, 4-7/8" (124mm) x 1-1/4" (57mm) x 1-1/4" (57mm) lip to center.

To order with push/pull paddle trim, see Quick Codes, page 16. To order separately, specify 217L13 x Finish.



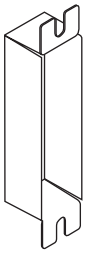
Curved Lip Box
(Optional)
Brass, 2-3/4" (70mm) x 1-1/8" (29mm) x 1-1/4" (57mm) lip to center.

To order with push/pull paddle trim, see Quick Codes, page 16. To order separately, specify 586L19 x Finish.



ANSI Wrought Strike Box
To order with push/pull paddle trim, see Quick Codes, page 16.

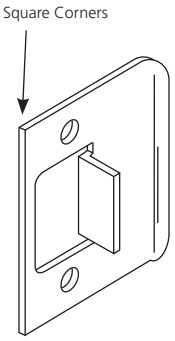
To order separately, specify 120F76.



Full Lip Strike (SF114)
Brass, 2-1/4" (57mm) x 1-3/4" (44mm) x 1-1/4" (32mm) lip to center. No optional lip lengths.

To order separately specify 680L50M020 x Finish.

Anti-rattle tab.

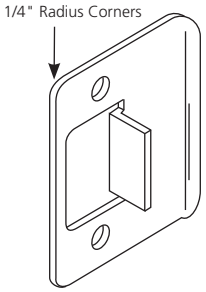


Full Lip Strike – 1/4" Radius Corners (SFR114)

Brass, 2-1/4" (57mm) x 1-3/4" (44mm) x 1-1/4" (32mm) lip to center. No optional lip lengths.

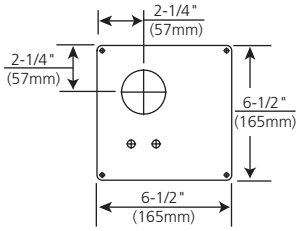
To order separately specify 680L51M020 x Finish.

Anti-rattle tab.

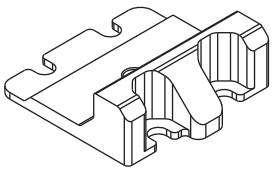


Kits

Kit for Retrofitting HP3000 Push/Pull Paddle Trim
Use to cover prep from HL10 series push/pull trim and other manufacturer's trim, when retrofitting HP3000 trim. Contains 2 retrofit plates and 8 screws. Available in 630 finish only. To order, specify 791F39.



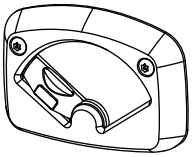
Positive Pull Stop Kit
Used on openings where weather stripping is installed or when door closers are not utilized, this kit prevents the latch from retracting when pulling door closed. Contains 2 wood screws, 2 machine screws and instructions. To order, specify 813F068.



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Thumbturns

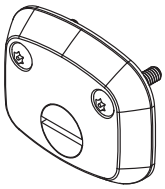
ML2000 and ML20900 Series with BHSS, BLSS, HSS, HPSK Trim



Thumbturn for BHSS, BLSS, HSS, HPSK*

Stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 3-3/4" (95mm) x 2-1/2" (64mm)

Door Thickness	Packet
1-3/4" (44mm)	851F617
2" (51mm)	851F637
2-1/4" (57mm)	851F647



Emergency Turn for BHSS, BLSS, HSS, HPSK*

Stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 3-3/4" (95mm) x 2-1/2" (64mm)

Door Thickness	Packet
1-3/4" (44mm)	851F677
2" (51mm)	851F687
2-1/4" (57mm)	851F697

*HPSK available for 1-3/4" door only.

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ASSA ABLOY

How to Order

Stock Order

Quantity	Series/Function	Trim	Finish	Hand	Voltage	Misc. Options
100	ML20907	BLSS	630	RHR	12AD	M105
100	ML2010	BHSS	630	RHR	—	—
100	HP3000	HPSK	630	RHR	—	—

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Voltage	Door Thickness	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	ML2055	HPSK	630	RHR	—	D214	SA200	M26	C7	VKC3
24	AA1	ML20914	BHSS	630	RHR	12AD	—	—	M20	7P	VKC3

Anti-Harm Knob (HSS) Trim – Lever Trim x HSS Knob

Quantity	Series/Function	Trim		Finish	Hand
		Outside	Inside		
6	ML2055	NSA	HSS	630C	RH

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Corbin Russwin ASSA ABLOY

Quick Codes

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with temporary construction core	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 6-pin less core	CL6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
SFIC 6-pin with Less Core[1]	CLS6
IC 7-pin	C7
IC 7-pin with temporary construction core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin less core	CL7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
SFIC 7-pin with Less Core[1]	CLS7
Security	HS
Security IC	CHS
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid IC Less Core	CLP
Pyramid with temporary construction core	CTP
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid Disposable Core	CTPD
6-Pin Disposable Core	CT6D
7-Pin Disposable Core	CT7D
Keyed random	KR
Construction master keyed (not available for Pyramid)	CMK

Cylinder and Keying (cont.)

Description	Specify
Visual key control	
- No keying data stamped on key or cylinder	VKC0
- Keys only	VKC1
- Cylinders and keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders with VKC keys	CKC2
- CKC cylinders only (not for PHS or PCHS)	CKC3
2 keys per lock More than 2 keys	(standard) KY# (e.g., KY6)

1. Not available with ML2029.

Finishes

Description		Specify
ANSI/BHMA 630 (US32D)	Satin Stainless Steel	630
630C	Satin Stainless Steel with MicroShield®	630C

Door Thickness

Door Thickness	Specify
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

ML2000 or ML20900 x HPSK available 1-3/4" door thickness only.

Backset - HP3000 Series (5" - Standard)

Description	Specify
5" (127mm)	(standard)
2-3/4" (70mm)	B234
7" (177mm)	B700

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Quick Codes

Strikes - Mortise

ANSI Lip to Center	ANSI Straight Lip Specify	Curved Lip Specify
1-1/8" (29mm)	(standard)	SA118
1-1/4" (32mm)	SS114	SA114
1-3/8" (35mm)	SS138	SA138
1-1/2" (38mm)	SS112	SA112
1-3/4" (44mm)	SS134	SA134
2" (51mm)	SS200	SA200
2-1/4" (57mm)	SS214	SA214
2-1/2" (64mm)	SS212	SA212
2-3/4" (70mm)	SS234	SA234
3" (76mm)	SS300	SA300

Strikes - Tubular

Lip to Center	ANSI Curved Lip, Specify	Curved Lip Box, Specify	Full Lip, Specify
1" (25mm)	SA100	SC100	N/A
1-1/8" (29mm)	SA118	SC118	N/A
1-1/4" (32mm)	(standard)	SC114	SF114*
1-3/8" (35mm	SA138	SC138	N/A
1-1/2" (38mm)	SA112	SC112	N/A
1-3/4" (44mm)	SA134	SC134	N/A
2" (51mm)	SA200	SC200	N/A
2-1/4" (57mm)	SA214	SC214	N/A
2-1/2" (28mm)	SA212	SC212	N/A
2-3/4" (70mm)	SA234	SC234	N/A
3" (76mm)	SA300	SC300	N/A

*Specify SFR114 for rounded corner.

Handing

Description	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Fail Safe/Fail Secure

Description	Specify
Fail safe	SAF
Fail secure	SEC

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Phillips head screws	(standard)
Torx® head screws	M04
Hex head screws (HP3000)	M05
Latch front, rounded corners (HP3000)	M13
ANSI wrought strike box	M17
Lead lining (HP3000)	M28
Lead lining (BHSS, BLSS, HSS, HPSK)	M29
Half trim (for ML2010, ML2020, ML2022, ML2024, ML2029, ML2030, ML2032, ML2052, ML2053, ML2055, ML2056, ML2057, ML2058, ML2059, Ml2062, ML2065) (Supplied with inside trim only. Includes cylinder)[1]	M30
Working trim only[2]	M31
"PUSH & PULL" Identification[3] (HPSK, HP3000)	M38
Tapered Cylinder Collar[1]	M111
Latch hold back (for ML2042, ML2052, ML2055, ML2051, ML2057 only)[4]	LHB

1. Available on HPSK trim only
2. BHSS & HSS must be ordered complete with lockbody from the factory. HPSK trim only available for lockbody manufactured after January 2017. BLSS trim only available for lockbody manufactured after July 2008
3. Non-handed
4. Must use A02 cam when LHB is specified

Electric Monitor Options (ML20900 Series Only)

Description	Specify
Latchbolt Monitor	M91
Request to Exit	M92
Security Monitor	M105

These options may be ordered together only as follows: M91xM92, M92xM105.

Electric Accessories

Description	Specify
Power supply 1.0 Amp @ 12 VDC output	BPS-12-1
Power supply 3.0 Amp @ 12 VDC output	BPS-12-3
Power supply 1.0 Amp @ 24 VDC output	BPS-24-1
Power supply 2.0 Amp @ 24 VDC output	BPS-24-2
Power supply 4.0 Amp @ 24 VDC output	BPS-24-4

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45205 6/19

ML2000 Series Mortise Locks with BHSS and BLSS Trim

1. Ligature Resistant, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to accepted OMH requirements with ligature-resistant lever and escutcheon trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and escutcheons are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.
   A. Acceptable Manufacturers:
      1. Sargent Manufacturing (SA) – 8200 BHW Series
      2. Corbin Russwin (RU) – ML2000 BHSS Series
      3. Accurate Lock (AC) – CP Crescent Pull Series (with Teflon pad)
2. Ligature Resistant, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to [accepted] [Use with caution] OMH requirements with ligature-resistant lever and rose trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and roses are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.
   B. Acceptable Manufacturers:
      1. Sargent Manufacturing (SA) - 8200 BHL Series
      2. Corbin Russwin (RU) – ML2000 BLSS Series
      3. Best Lock (BE) – SPSL Series
      4. Town Steel (TS) – MRX-L Series

ML2000 and ML20900 Series (HPSK) Mortise Locks with Push/Pull Paddle Trim

1. All locksets shall be ML2000 Series Mortise Locksets as manufactured by Corbin Russwin Architectural Hardware, Berlin, CT.
2. Locks shall meet or exceed the requirements of ANSI/BHMA A156.13 Series 1000, Operational Grade 1, and Security Grade 1 with all standard trims.
3. Locks shall be easily re-handed without opening the lock body.
4. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of A label (3 hours) and less, for doors up to 4'0" (1.2m) x 10'0" (3.05m) and pairs of doors 8'0" (2.4m) x 10'0" (3.05m)
5. Construction:
   A. Lock functions shall be manufactured in a single-sized case formed from 12 gauge steel minimum.
   B. Lock cases shall be closed on all sides and back.
   C. Locks shall have field adjustable, beveled, armored front, with a 1/8" (3mm) thickness minimum.
   D. Locks shall have a one piece, 3/4" (19mm) throw anti-friction stainless steel latch.
   E. Deadbolts, where specified, shall be full one inch (25mm) throw made of one-piece hardened stainless steel.
6. Lockset paddles shall be capable of horizontal or vertical mounting positions.
7. Locks shall have a 2-3/4" (70mm) backset, standard.
8. Strikes shall be non-handed with a curved lip.
9. Locks shall have brass 6-Pin cylinder, standard.
10. Locks shall have a 10 year limited warranty. 2 year limited warranty on electrified locks.

HP3000 Series Tubular Lock with Push/Pull Paddle Trim

1. Tubular hospital locks shall be HP3000 series as manufactured by Corbin Russwin Architectural Hardware, Berlin, CT.
2. Locks shall meet or exceed requirements of ANSI/BHMA A156.2 Series 4000 Grade 1.
3. Locks shall be easily re-handed with a non-handed curved lip strike.
4. Locks shall be listed for use on 3 hour fire doors (4' x 8' single and smaller doors).
5. Locks shall comply with UL10C and UBC 7-2 positive pressure requirements.
6. Lockset paddles shall be capable of horizontal or vertical mounting positions.
7. Locks shall have 2-3/4", 5" or 7" backset available.
8. Locks shall have one-year limited warranty.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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For additional information, contact your ASSA ABLOY Door Security Solutions sales consultant or visit **www.corbinrusswin.com.**

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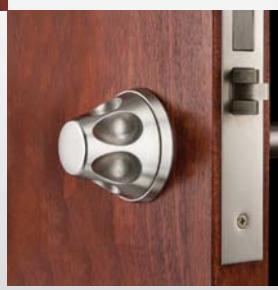
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Specialty Hardware

Product Catalog

Experience a safer
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45205 6/19

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Features

ML2000 and ML20900 Series with BHSS Trim*

Part of the Behavioral Health Series® of products, the ML2000 Series mortise lock with BHSS trim has tapered surfaces and an integrated lever and escutcheon, bringing an elegant style to behavioral health environments. The ML2000 Series' heavy-duty design and ANSI/BHMA Grade 1 strength help it to withstand abuse in any environment.



Patent pending and/or patent www.assaabloydss.com/patents

Features

Handing
Handed - Must specify on order.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 15.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought stainless steel attached by machine screws to lockcase front. Utilizes security Torx® screws. Torx® screws come standard.

Latchbolt
2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub
Lever: steel, 5/16" (8mm).

Lever
Cast stainless steel.

Escutcheon
Cast stainless steel.

Strike
Wrought stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Thumbturn
Cast stainless steel construction. See page 13.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard.
Optional cylinders available; see Quick Codes, page 15.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Access 3 cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Access 3 IC
Pyramid IC

Functions
Available with all ML2000 functions except ML2050, ML2070 and ML2080.
Available with all ML20900 electrified mortise lock functions. Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Electrical Specifications
(Fail Safe/Fail Secure)
12/24VDC @ 15mA Continuous
12/24VDC Peak current draw = .5A
(Maximum of 2 locks per 1A Power Supply)
Monitor Switch Rating: 2 amp @ 24VDC
Note: Operating voltage not to exceed +/- 10%.
See Quick Codes, page 16.

Monitor Options

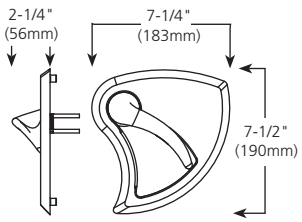
M91 - Latchbolt Monitor
Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.

M92 - Request to Exit Monitor
Request to Exit monitoring is a SPDT switch which monitors the activation of the trim. (Both levers activate switch)

M105 - Security Monitor
Security Monitor is two switches in series that monitors lock status (locked or unlocked) and Auxiliary Latch position.
Note: Monitoring options may only be ordered together as follows: M91xM92, M92xM105.

Warranty
Ten-year limited. Two-year limited warranty on electronic components.

Trim Dimensions



Certification/Compliance

ANSI/BHMA
Certified A156.13 Series 1000, Operational and Security Grade 1.
Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

UL-cUL-UL10C Positive Pressure
All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair.
Letter F and UL symbol on armored front indicate listing.
Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

**Although this product is better designed for behavioral health applications than traditional trim, it does not eliminate the risk that an object can be affixed to, or around it.*

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Corbin Russwin
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Features

ML2000 and ML20900 Series with BLSS Trim*

Part of the Behavioral Health Series®, the ML2000 Series mortise lock with BLSS trim offers durability and strength in behavioral healthcare settings. With a variety of available functions, it is flexible enough to use in many applications, and the sloped surfaces and overlapping lever and rose construction address common concerns in behavioral health.



Features

Handing
Non-handed.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 15.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought stainless steel attached by machine screws to lockcase front. Utilizes security Torx® screws. Torx® screws come standard.

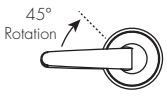
Latchbolt
2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub
Lever: steel, 5/16" (8mm).

Lever
Cast stainless steel.
Inside and outside levers rotate freely up and down at 45 degrees release feature: lever freely rotates up to 45°.



Rose
Cast stainless steel.

Strike
Wrought stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Thumbturn
Cast stainless steel construction. See page 13.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard. Optional cylinders available; see Quick Codes, page 15.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Access 3 cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Access 3 IC
Pyramid IC

Functions
Available with the following functions: ML2010, ML2022, ML2024, ML2030, ML2032, ML2042, ML2052, ML2054, ML2055, ML2057, ML2060, ML2062, ML2065, ML2067, ML2069, ML20906, ML20907, ML20914, ML20915 and ML20932.
Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Electrical Specifications (Fail Safe/Fail Secure)
12/24VDC @ 15mA Continuous
12/24VDC Peak current draw = .5A (Maximum of 2 locks per 1A Power Supply)
Monitor Switch Rating: 2 amp @ 24VDC
Note: Operating voltage not to exceed +/- 10%.
See Quick Codes, page 16.

Monitor Options

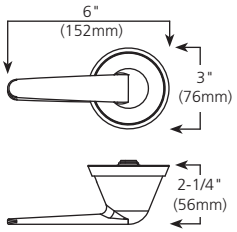
M91 - Latchbolt Monitor
Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.

M92 - Request to Exit Monitor
Request to Exit monitoring is a SPDT switch which monitors the activation of the trim. (Both levers activate switch)

M105 - Security Monitor
Security Monitor is two switches in series that monitors lock status (locked or unlocked) and Auxiliary Latch position.
Note: Monitoring options may only be ordered together as follows: M91xM92, M92xM105.

Warranty
Ten-year limited. Two-year limited warranty on electronic components.

Trim Dimensions



Certification/Compliance

ANSI/BHMA
Certified A156.13 Series 1000, Operational and Security Grade 1. Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

A.D.A.
Conforms to ADA requirements for barrier-free accessibility.

UL-cUL-UL10C Positive Pressure
All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair.
Letter F and UL symbol on armored front indicate listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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Corbin Russwin
ASSA ABLOY

Features

ML2000 and ML20900 Series with HSS Trim*

The anti-harm knob (HSS) is designed for safety and security by eliminating catch points with a tapered knob recessed into the rose, a tapered thumbturn (for mortise lock thumbturn functions) with Torx® pin security screws, tapered cylinder collars and concealed mounting screws. Available as sectional trim, the anti-harm knob features recessed finger holes for a better grip and the reliability of the ML2000 Series ANSI/BHMA grade 1 mortise lock. Ideal for psychiatric or detention facilities.



Features

Handing
Handed; quick reversible. The lockset can be re-handed without disassembling the lock case.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 15.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought brass, bronze or stainless steel attached by machine screws to lockcase front.

Latchbolt
2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub
Lever: steel, 5/16" (8mm).

Strike
Wrought stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Thumbturn
Cast stainless steel construction. See page 13.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard.
Brass, fixed 6-pin conventional fixed core cylinder.
Optional cylinders available; see Quick Codes, page 15.

Keys
Two nickel silver standard.

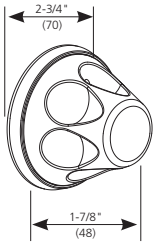
Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Access 3 cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Access 3 IC
Pyramid IC

Functions
Available with all ML2000 functions except ML2029, ML2030, ML2049, ML2050, ML2059, ML2062, ML2065, ML2067, ML2070, ML2072, ML2073, ML2075, ML2080, ML2082.
Available with all ML20900 electrified mortise lock functions except NAC. Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Electrical Specifications (Fail Safe/Fail Secure)
12/24VDC @ 15mA Continuous
12/24VDC Peak current draw = .5A (Maximum of 2 locks per 1A Power Supply)
Monitor Switch Rating: 2 amp @ 24VDC
Note: Operating voltage not to exceed +/- 10%.
See Quick Codes, page 16.

Warranty
Ten-year limited. Two-year limited warranty on electronic components.

Trim Dimensions



Certification/Compliance

ANSI/BHMA
Certified A156.13 Series 1000, Operational and Security Grade 1.

Federal
Meets FF-H-106C.
UL /cUL-UL10C Positive Pressure
All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair. Letter F and UL symbol on armored front indicate listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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Corbin Russwin
ASSA ABLOY

Features

ML2000 and ML20900 Series with HPSK Trim

The ML2000 Series mortise lock with push/pull paddle trim provides an aesthetically pleasing alternative to products with standard push/pull trim. Its heavy-duty design and ANSI/BHMA Grade1 strength help it to withstand abuse from rigorous environments. Multiple mounting orientations, hands free operation and a sleek, aesthetic form, make the ML2000 Series mortise lock ideal for use in healthcare facilities and educational facilities.



Patent pending and/or patent www.assaabloydss.com/patents

Features

Handing

Handed; quick reversible. The lockset can be re-handed without disassembling the lock case.

Door Thickness

1-3/4" (44mm).

Backset

2-3/4" (70mm).

Lockcase

Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front

Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front

Wrought brass, bronze or stainless steel attached by machine screws to lockcase front.

Latchbolt

2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt

9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt

One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub

Lever: steel, 5/16" (8mm).

Covers

Cast stainless steel.

Paddles

Cast stainless steel. Non-handed.

Strike

Wrought stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Thumbturn

Cast stainless steel construction. See page 13.

Cylinder

Brass, 6-pin, L4 keyway, 0-bitted standard.

Optional cylinders available; see Quick Codes, pages 15.

Keys

Two nickel silver standard.

Keying Features Available

Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Access 3 cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Access 3 IC
Pyramid IC

Functions

Available with all ML2000 functions except ML2050, ML2070 and ML2080.
Available with all ML20900 electrified mortise lock functions. Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Electrical Specifications
(Fail Safe/Fail Secure)

12/24VDC @ 15mA Continuous

12/24VDC Peak current draw = .5A (Maximum of 2 locks per 1A Power Supply)

Monitor Switch Rating: 2 amp @ 24VDC

Note: Operating voltage not to exceed +/- 10%.

See Quick Codes, page 16.

Monitor Options

Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.

M91 - Latchbolt Monitor

Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.

M92 - Request to Exit Monitor

Request to Exit monitoring is a SPDT switch which monitors the activation of the trim. (Both levers activate switch)

M105 - Security Monitor

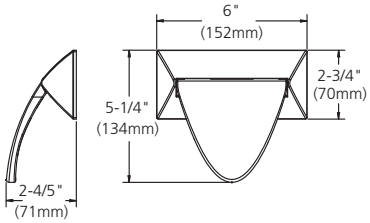
Security Monitor is two switches in series that monitors lock status (locked or unlocked) and Auxiliary Latch position.

Note: Monitoring options may only be ordered together as follows: M91xM92, M92xM105.

Mounting Options

Paddle trim can be mounted as horizontal (up or down) and vertical (sideways) orientations in the field.

Cover and Paddle Dimensions



Warranty

Ten-year limited. Two-year limited warranty on electronic components.

Certification/Compliance

ANSI/BHMA

Certified A156.13 Series 1000, Operational and Security Grade 1.

Meets A117.1 Accessibility Code.

Federal

Meets FF-H-106C.

UL-cUL-UL10C Positive Pressure

All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair.

Letter F and UL symbol on armored front indicate listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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Corbin Russwin
ASSA ABLOY

Features/Functions

HP3000 Series Tubular Lock with Push/Pull Paddle Trim

The HP3000 Series tubular Lock with push/pull paddle trim provides an aesthetically pleasing alternative to products with standard push/pull trim. Its heavy-duty design and ANSI/BHMA Grade1 strength help it to withstand abuse from rigorous environments. Multiple mounting orientations, hands free operation and a sleek, aesthetic form, make the HP3000 Series ideal for use in healthcare facilities and educational facilities.



Patent pending and/or patent www.assaabloydss.com/patents

Features

Handing
Passage (HP3010) function is non-handed.
Privacy (HP3020) function is handed.
Specify hand.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 15.

Backset
5" (127mm) standard.
Optional: 2-3/4" (70mm) and 7" (177mm); see Quick Codes, page 15.

Latchbolt
Brass, 1/2" (13mm) throw

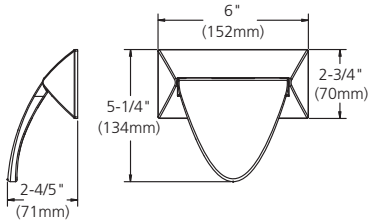
Strike
ANSI curved lip strike standard, 4-7/8" x 1-1/4" x 1-1/4" lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; See Quick Codes, page 16.

Covers
Cast stainless steel

Paddles
Cast stainless steel

Mounting Options
Paddle trim can be mounted as horizontal (up or down) and vertical (sideways) orientations in the field.

Cover and Paddle Dimensions



Warranty
One-year limited

Certification/Compliance

ANSI/BHMA
Certified A156.2 Series 4000 Grade 1.

UL-cUL
Listed for use on 3 hour fire doors (4' x 8' single and smaller doors). UL symbol on front stamped letter F indicates listing.

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ADA
Meets A117.1 Accessibility Code.

Functions

Series/Function	Type	Function Description
HP3010	Passage	• Both paddles retract latch • Ideal for patient rooms and closets
HP3020	Privacy	• Inside paddle always retracts latch • Outside paddle retracts latch, except when locked by inside push button • Closing door unlocks outside paddle • Includes emergency release • Vertical orientation required • Ideal for bathrooms

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Corbin Russwin
ASSA ABLOY

Electrified Options & Accessories

ML20900 Series with BHSS, BHL, HSS, HPSK Trim

BPS Power Supply

Operation

Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. All modular power supplies are designed to meet UL 1481 Standards. Recommended for the ML20900, delayed egress exit devices and electric trim.

Features

- Fire panel emergency release input
- PC Board mounted system LED indicator
- Regulated and filtered with input and output protection
- Battery charging is provided from a separate output terminal

Electrical Specifications

- Inputs: 115VAC @600mA
- Outputs: 12/24 VDC @ 1 Amp, 1.5 Amp or 4 Amp, Filtered and regulated output

Listings

- UL & cUL listed 1012 General Purpose Power Supply
- Fire & Burglar Alarm Power Supply Unit URT2
- Releasing device Accessory SYSW
- Access Control Systems Units ALVY
- Burglar Alarm Systems Power Supply APHY

Applications

- D – Delayed Egress
- M97 – Electric Dogging
- SAF – Fail Safe mortise device trim control
- SEC – Fail Secure mortise device trim control
- ML20900



Note: Batteries are not included with the BPS power supply

Model	Enclosure	Input	Output
BPS-24-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1 Amp @ 24 VDC
BPS-24-2	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	2 Amp @ 24 VDC
BPS-24-4	15" (381mm) x 18" (457mm) x 6" (152mm)	115VAC, 50/60 Hz.	4 Amp @ 24VDC
BPS-12-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1 Amp @ 12 VDC
BPS-12-3	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	3 Amp @ 12 VDC

Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With *ElectroLynx*, doorway components come pre-wired for easy hookup to the power source. The key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx:

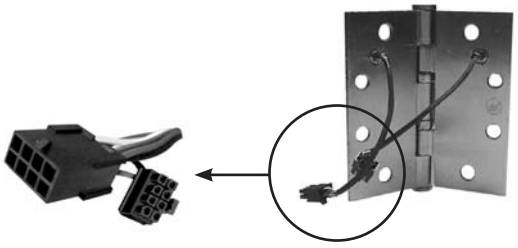
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect a ML20900 electrified mortise lock to the electronic access control system, the following items are required:

- ML20900 electrified mortise lock
- ASSA ABLOY Door Group pre-wired door, or *ElectroLynx* retrofit cable (order from McKinney)
- Electronic transfer device (*ElectroLynx* electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKinney)
- *ElectroLynx* cable from the hinge to above the ceiling (order from McKinney)

Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

The McKinney QC8 ElectroLynx Hinge is recommended for all ML20900 functions and electrified options.



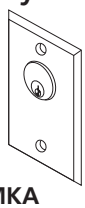
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Electrified Options & Accessories

ML20900 Series with BHSS, BHL, HSS, HPSK Trim

Exit Controls and Switches

Key Switches



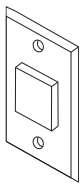
MKA

MKA - (1) SPDT Maintained
MK - (1) SPDT Momentary
MKN - (1) SPDT Momentary NS
MK2 - (1) DPDT Momentary
MKPZ x MKS - (1) SPDT Momentary with audio Double Gang x Additional Switch
Note: All key switches come standard with 12/24 VDC bi-color LED.

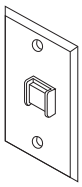
Specifications

- Keyswitch for operation using a standard 1-1/8" mortise cylinder (A02 cam) (cylinder not included).
- Contact Rating 5 Amps @ 12-24VDC
- SPDT 3-position.

Push Buttons



PB2



PB3

PB2 - (1) SPDT Momentary
PB2 - (1) DPST Remote Momentary
PB3 - (1) DPST Momentary
PB3A - (1) DPST Maintained (Alt. Action)
PB3EA - (1) DPST Alternate

Specifications

- 3 Amps @ 12-24 VDC

Indicator

ZLP - (1) Red and Green LED on narrow gang plate.

Audible/Visual Annunciators



PZ1

PZ1 - Sonalert 90db @ 2ft. 12-24VDC. Mounted on one gang stainless steel plate.

Digital Entry

DK-11 - Digital Keypad - 4 User
DK-26SS - Digital Keypad NS - 59 User - SS Finish
DK-26BK - Digital Keypad NS - 59 User - Black Finish

Power Transfers

TSB B-C - Door Cord

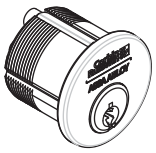
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Cylinders

ML2000 and ML20900 Series with BHSS, BLSS, HSS, HPSK Trim

Cylinders

2 nickel silver keys
Finishes: See Key Systems catalog





Interchangeable Core (I.C.) Shown

Mortise Cylinder Type	Quick Code	Hotel Function	42 (inside) 52, 53, 55, 56, 58, 69 Functions	All Other Keyed and 42 (outside) Functions
Access 3® Patented	AP	1501-114-A01	1500-114-A02	1500-114-A01
Access 3® Security	AS	1601-114-A01	1600-114-A02	1600-114-A01
Access 3® High Security	AHS	1701-114-A01	1700-114-A02	1700-114-A01
Access 3® Patented IC	ACP	N/A	1580-114-A02	1580-114-A01
Access 3® Security IC	ACS	N/A	1680-114-A02	1680-114-A01
Access 3® High Security IC	ACHS	N/A	1788-114-A02	1788-114-A01
Pyramid HS	PHS	N/A	1020-114-A02	1020-114-A01
Pyramid HS IC	PCHS	N/A	1030-114-A02	1030-114-A01
Pyramid Security	PS	N/A	1027-114-A02	1027-114-A01
Pyramid Security IC	PCS	N/A	1037-114-A02	1037-114-A01
Conventional 6-pin	N/A	1001-114-A01	1000-118-A02	1000-118-A01
Conventional 7-pin	7P	N/A	1000-114-A02-7	1000-114-A01-7
6-pin IC	C6	1081-138-A01	1080-114-A02	1080-114-A01
7-pin IC	C7	N/A	1080-112-A02-7	1080-112-A01-7
Security	HS	1011-114-A01	1010-118-A02	1010-118-A01
Security IC	CHS	1091-138-A01	1090-114-A02	1090-114-A01

To order optional cylinder with lockset, see Quick Codes, page 15.
To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 1000-118-A01 x L4 x 626).

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ML2000 and ML20900 Series with BHSS, BLSS, HSS, HPSK Trim

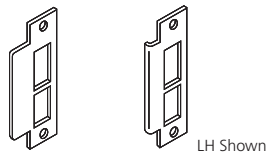
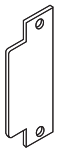
Strikes

ANSI Straight Lip (standard)

Stainless steel
Non-handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center (standard)
Optional lip lengths: 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

ANSI Curved Lip

Stainless steel
Handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center (standard)
Optional lip lengths: 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

	Part No.	Description
 LH Shown All functions	236L72	Straight Lip
	340L60	Curved Lip for RH/LHR
	340L61	Curved Lip for LH/RHR
 Blank Filler Plate	236L70	Straight Lip

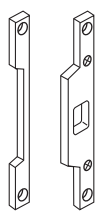
To order strike with lockset, see How to Order, page 16.
To order strike separately, specify Part No. x Lip Length x Finish (e.g., 340L60 x 1-1/2" x 626).

Rabbeted Front and Strike

Brass or bronze
For 1/2" (13mm) rabbet
No optional lip lengths

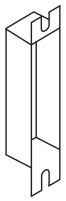
	Part No.	Hand
Latchbolt x Deadbolt	318F66 318F69	RH/LHR LH/RHR
Latchbolt only	318F64 318F67	RH/LHR LH/RHR
Deadbolt only	318F65 318F68	RH/LHR LH/RHR

To order with lockset, see Quick Codes, page 16.
To order separately, specify Part No. x Finish (e.g., 318F66 x 626).



ANSI Wrought Strike Box

To order with lockset, see Quick Codes, page 16.
To order separately, specify 120F76.

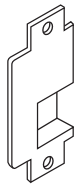


Open Back

Size: 5-1/4" (133mm) x 1/4" (32mm).

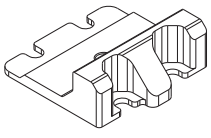
Hand	Door Thickness	Part
LHR	1-3/4" (44mm)	411L63 016
	2" (51mm)	411L63 018
	2-1/4" (57mm)	411L63 020
RHR	1-3/4" (44mm)	411L62 016
	2" (51mm)	411L62 018
	2-1/4" (57mm)	411L62 020

To order with lockset, see Quick Codes, page 16. To order separately, specify Part No. x Door Thickness x Finish (e.g., 411L62 x 2" x 626).



Kits

Positive Pull Stop Kit (HPSK)
Used on openings where weather stripping is installed or when door closers are not utilized, this kit prevents the latch from retracting when pulling door closed. Contains 2 wood screws, 2 machine screws and instructions. To order, specify 813F068.



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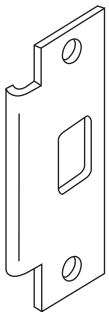
Strikes/Kits

HP3000 Series Tubular Lock with Push/Pull Paddle Trim

Strikes

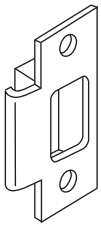
ANSI Curved Lip
(Standard)
Stainless steel, 4-7/8" (124mm) x 1-1/4" (57mm) x 1-1/4" (57mm) lip to center.

To order with push/pull paddle trim, see Quick Codes, page 16. To order separately, specify 217L13 x Finish.



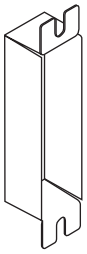
Curved Lip Box
(Optional)
Brass, 2-3/4" (70mm) x 1-1/8" (29mm) x 1-1/4" (57mm) lip to center.

To order with push/pull paddle trim, see Quick Codes, page 16. To order separately, specify 586L19 x Finish.



ANSI Wrought Strike Box
To order with push/pull paddle trim, see Quick Codes, page 16.

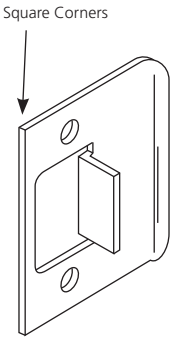
To order separately, specify 120F76.



Full Lip Strike (SF114)
Brass, 2-1/4" (57mm) x 1-3/4" (44mm) x 1-1/4" (32mm) lip to center. No optional lip lengths.

To order separately specify 680L50M020 x Finish.

Anti-rattle tab.

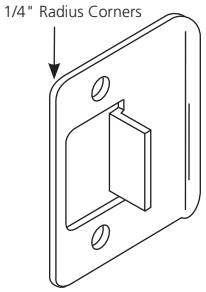


Full Lip Strike – 1/4" Radius Corners (SFR114)

Brass, 2-1/4" (57mm) x 1-3/4" (44mm) x 1-1/4" (32mm) lip to center. No optional lip lengths.

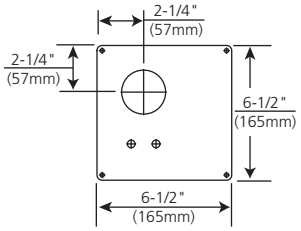
To order separately specify 680L51M020 x Finish.

Anti-rattle tab.

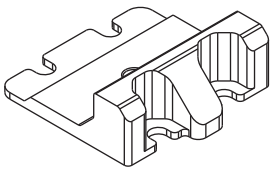


Kits

Kit for Retrofitting HP3000 Push/Pull Paddle Trim
Use to cover prep from HL10 series push/pull trim and other manufacturer's trim, when retrofitting HP3000 trim. Contains 2 retrofit plates and 8 screws. Available in 630 finish only. To order, specify 791F39.



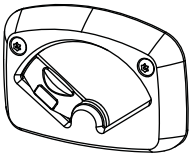
Positive Pull Stop Kit
Used on openings where weather stripping is installed or when door closers are not utilized, this kit prevents the latch from retracting when pulling door closed. Contains 2 wood screws, 2 machine screws and instructions. To order, specify 813F068.



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Thumbturns

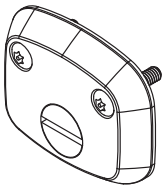
ML2000 and ML20900 Series with BHSS, BLSS, HSS, HPSK Trim



Thumbturn for BHSS, BLSS, HSS, HPSK*

Stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 3-3/4" (95mm) x 2-1/2" (64mm)

Door Thickness	Packet
1-3/4" (44mm)	851F617
2" (51mm)	851F637
2-1/4" (57mm)	851F647



Emergency Turn for BHSS, BLSS, HSS, HPSK*

Stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 3-3/4" (95mm) x 2-1/2" (64mm)

Door Thickness	Packet
1-3/4" (44mm)	851F677
2" (51mm)	851F687
2-1/4" (57mm)	851F697

*HPSK available for 1-3/4" door only.

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How to Order

Stock Order

Quantity	Series/Function	Trim	Finish	Hand	Voltage	Misc. Options
100	ML20907	BLSS	630	RHR	12AD	M105
100	ML2010	BHSS	630	RHR	—	—
100	HP3000	HPSK	630	RHR	—	—

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Voltage	Door Thickness	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	ML2055	HPSK	630	RHR	—	D214	SA200	M26	C7	VKC3
24	AA1	ML20914	BHSS	630	RHR	12AD	—	—	M20	7P	VKC3

Anti-Harm Knob (HSS) Trim – Lever Trim x HSS Knob

Quantity	Series/Function	Trim		Finish	Hand
		Outside	Inside		
6	ML2055	NSA	HSS	630C	RH

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Quick Codes

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with temporary construction core	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 6-pin less core	CL6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
SFIC 6-pin with Less Core[1]	CLS6
IC 7-pin	C7
IC 7-pin with temporary construction core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin less core	CL7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
SFIC 7-pin with Less Core[1]	CLS7
Security	HS
Security IC	CHS
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid IC Less Core	CLP
Pyramid with temporary construction core	CTP
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid Disposable Core	CTPD
6-Pin Disposable Core	CT6D
7-Pin Disposable Core	CT7D
Keyed random	KR
Construction master keyed (not available for Pyramid)	CMK

Cylinder and Keying (cont.)

Description	Specify
Visual key control	
- No keying data stamped on key or cylinder	VKC0
- Keys only	VKC1
- Cylinders and keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders with VKC keys	CKC2
- CKC cylinders only (not for PHS or PCHS)	CKC3
2 keys per lock More than 2 keys	(standard) KY# (e.g., KY6)

1. Not available with ML2029.

Finishes

Description		Specify
ANSI/BHMA 630 (US32D)	Satin Stainless Steel	630
630C	Satin Stainless Steel with MicroShield®	630C

Door Thickness

Door Thickness	Specify
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

ML2000 or ML20900 x HPSK available 1-3/4" door thickness only.

Backset - HP3000 Series (5" - Standard)

Description	Specify
5" (127mm)	(standard)
2-3/4" (70mm)	B234
7" (177mm)	B700

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Quick Codes

Strikes - Mortise

ANSI Lip to Center	ANSI Straight Lip Specify	Curved Lip Specify
1-1/8" (29mm)	(standard)	SA118
1-1/4" (32mm)	SS114	SA114
1-3/8" (35mm)	SS138	SA138
1-1/2" (38mm)	SS112	SA112
1-3/4" (44mm)	SS134	SA134
2" (51mm)	SS200	SA200
2-1/4" (57mm)	SS214	SA214
2-1/2" (64mm)	SS212	SA212
2-3/4" (70mm)	SS234	SA234
3" (76mm)	SS300	SA300

Strikes - Tubular

Lip to Center	ANSI Curved Lip, Specify	Curved Lip Box, Specify	Full Lip, Specify
1" (25mm)	SA100	SC100	N/A
1-1/8" (29mm)	SA118	SC118	N/A
1-1/4" (32mm)	(standard)	SC114	SF114*
1-3/8" (35mm	SA138	SC138	N/A
1-1/2" (38mm)	SA112	SC112	N/A
1-3/4" (44mm)	SA134	SC134	N/A
2" (51mm)	SA200	SC200	N/A
2-1/4" (57mm)	SA214	SC214	N/A
2-1/2" (28mm)	SA212	SC212	N/A
2-3/4" (70mm)	SA234	SC234	N/A
3" (76mm)	SA300	SC300	N/A

*Specify SFR114 for rounded corner.

Handing

Description	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Fail Safe/Fail Secure

Description	Specify
Fail safe	SAF
Fail secure	SEC

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Phillips head screws	(standard)
Torx® head screws	M04
Hex head screws (HP3000)	M05
Latch front, rounded corners (HP3000)	M13
ANSI wrought strike box	M17
Lead lining (HP3000)	M28
Lead lining (BHSS, BLSS, HSS, HPSK)	M29
Half trim (for ML2010, ML2020, ML2022, ML2024, ML2029, ML2030, ML2032, ML2052, ML2053, ML2055, ML2056, ML2057, ML2058, ML2059, Ml2062, ML2065) (Supplied with inside trim only. Includes cylinder)[1]	M30
Working trim only[2]	M31
"PUSH & PULL" Identification[3] (HPSK, HP3000)	M38
Tapered Cylinder Collar[1]	M111
Latch hold back (for ML2042, ML2052, ML2055, ML2051, ML2057 only)[4]	LHB

1. Available on HPSK trim only
2. BHSS & HSS must be ordered complete with lockbody from the factory. HPSK trim only available for lockbody manufactured after January 2017. BLSS trim only available for lockbody manufactured after July 2008
3. Non-handed
4. Must use A02 cam when LHB is specified

Electric Monitor Options (ML20900 Series Only)

Description	Specify
Latchbolt Monitor	M91
Request to Exit	M92
Security Monitor	M105

These options may be ordered together only as follows: M91xM92, M92xM105.

Electric Accessories

Description	Specify
Power supply 1.0 Amp @ 12 VDC output	BPS-12-1
Power supply 3.0 Amp @ 12 VDC output	BPS-12-3
Power supply 1.0 Amp @ 24 VDC output	BPS-24-1
Power supply 2.0 Amp @ 24 VDC output	BPS-24-2
Power supply 4.0 Amp @ 24 VDC output	BPS-24-4

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ML2000 Series Mortise Locks with BHSS and BLSS Trim

1. Ligature Resistant, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to accepted OMH requirements with ligature-resistant lever and escutcheon trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and escutcheons are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.
   A. Acceptable Manufacturers:
      1. Sargent Manufacturing (SA) – 8200 BHW Series
      2. Corbin Russwin (RU) – ML2000 BHSS Series
      3. Accurate Lock (AC) – CP Crescent Pull Series (with Teflon pad)
2. Ligature Resistant, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to [accepted] [Use with caution] OMH requirements with ligature-resistant lever and rose trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and roses are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.
   B. Acceptable Manufacturers:
      1. Sargent Manufacturing (SA) - 8200 BHL Series
      2. Corbin Russwin (RU) – ML2000 BLSS Series
      3. Best Lock (BE) – SPSL Series
      4. Town Steel (TS) – MRX-L Series

ML2000 and ML20900 Series (HPSK) Mortise Locks with Push/Pull Paddle Trim

1. All locksets shall be ML2000 Series Mortise Locksets as manufactured by Corbin Russwin Architectural Hardware, Berlin, CT.
2. Locks shall meet or exceed the requirements of ANSI/BHMA A156.13 Series 1000, Operational Grade 1, and Security Grade 1 with all standard trims.
3. Locks shall be easily re-handed without opening the lock body.
4. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of A label (3 hours) and less, for doors up to 4'0" (1.2m) x 10'0" (3.05m) and pairs of doors 8'0" (2.4m) x 10'0" (3.05m)
5. Construction:
   A. Lock functions shall be manufactured in a single-sized case formed from 12 gauge steel minimum.
   B. Lock cases shall be closed on all sides and back.
   C. Locks shall have field adjustable, beveled, armored front, with a 1/8" (3mm) thickness minimum.
   D. Locks shall have a one piece, 3/4" (19mm) throw anti-friction stainless steel latch.
   E. Deadbolts, where specified, shall be full one inch (25mm) throw made of one-piece hardened stainless steel.
6. Lockset paddles shall be capable of horizontal or vertical mounting positions.
7. Locks shall have a 2-3/4" (70mm) backset, standard.
8. Strikes shall be non-handed with a curved lip.
9. Locks shall have brass 6-Pin cylinder, standard.
10. Locks shall have a 10 year limited warranty. 2 year limited warranty on electrified locks.

HP3000 Series Tubular Lock with Push/Pull Paddle Trim

1. Tubular hospital locks shall be HP3000 series as manufactured by Corbin Russwin Architectural Hardware, Berlin, CT.
2. Locks shall meet or exceed requirements of ANSI/BHMA A156.2 Series 4000 Grade 1.
3. Locks shall be easily re-handed with a non-handed curved lip strike.
4. Locks shall be listed for use on 3 hour fire doors (4' x 8' single and smaller doors).
5. Locks shall comply with UL10C and UBC 7-2 positive pressure requirements.
6. Lockset paddles shall be capable of horizontal or vertical mounting positions.
7. Locks shall have 2-3/4", 5" or 7" backset available.
8. Locks shall have one-year limited warranty.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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For additional information, contact your ASSA ABLOY Door Security Solutions sales consultant or visit **www.corbinrusswin.com.**

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TL3700 Series

Tubular Locksets



ASSA ABLOY, the global leader
in door opening solutions

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Introduction

TL3700 Series

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Visit the Decorative Hardware online product selector at selector.corbinrusswin.com to mix and match door trim and finishes.

TL3700 Series Tubular Lock



Corbin Russwin is pleased to present the TL3700 Series of tubular locks. This series is designed to work with Corbin Russwin Muséo® levers. Engineered for ease of installation with the quality you expect from Corbin Russwin, the TL3700 Series will meet and exceed the expectations of the most demanding architects and design professionals. Ideal interior applications include high-end apartments and condos.

General Information

- For doors 1-3⁄8" (35mm) to 1-3⁄4" (44mm) thick standard
- 2-3/4" (70mm) backset standard
  Optional: 2-3/8" (60mm); see quick codes; page 13
- Curved lip T-Strike
- Door prep conforms to ANSI/BHMA A156.115
- Latchbolt brass 1⁄2" (12.7mm) projection
- Specify hand of lock on order; easily field reversible
- UL-cUL - Fire listing is optional and must be specified FOR A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair. Letter F and UL symbol on armored front indicate listing.
- One-year limited warranty

TL3700 Series Tubular Lock with Inspire™ Roseless Trim*



Corbin Russwin *Inspire* roseless trim blends the lever and the door creating an artful apprach to every opening. Offered with most Muséo® decorative levers, this exquisite trim will inspire the creation of beautiful openings.

- Available with all TL3700 Series tubular lock functions (except surface mounted trim)
- Compatible with most Muséo levers (except 104, 111, 113, 121, Piet, Josef and Georges Collection levers)
- Selected levers return within 1/2" of the door face

General Information

- For doors 1-3⁄4" (44mm) thick
- 2-3/4" (70mm) backset standard
  Optional: 2-3/8" (60mm); see quick codes; page 13
- Latchbolt brass 1⁄2" (12.7mm) projection
- Curved lip T-Strike
- Specify hand of lock on order; easily field reversible
- UL-cUL - Fire listing is optional and must be specified for A label and lesser class 4' x 10' single doors. Letter F and UL symbol on latch front indicate listing.
- One-year limited warranty

***Note: Special door prep templates required. This product is not compatible with standard cylindrical lock preparations.**

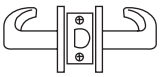
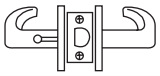
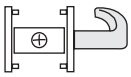
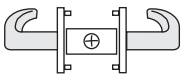
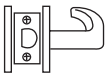
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Functions

TL3700 Series

	Series/Function	Type	Description
	TL3710 TL3710A	Passage Passage-3 hour	• Both levers retract latch • Ideal for closets & bedrooms
	TL3720 TL3720A	Privacy Privacy 3 hour	• Inside lever always retracts latch • Outside lever retracts latch, except when locked by inside push button • Closing door unlocks outside lever • Includes emergency release • Ideal for bathrooms & home offices
	TL3750	Half Dummy Trim- Through Bolted	• Lever always rigid • No latch included • Ideal for pantries & closets Note: Handing of door for dummy trim only depends on side of door lever trim installed.
	TL3750S*	Half Dummy Trim- Surface Mounted	• Lever always rigid • No latch included • Ideal for pantries & closets Note: Handing of door for dummy trim only depends on side of door lever trim installed.
	TL3770	Full Dummy Trim- Through Bolted	• Levers always rigid • No latch included • Ideal for sliding doors Note: Handing of door for dummy trim only depends on side of door lever trim installed.
	TL3780 TL3780A	Communicating Communicating 3 hour	• Blank rose outside • Lever retracts latch • Ideal for adjoining rooms Note: Hand door from outside of door.

***Function not available with Inspire™ roseless trim**

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Muséo® Trim Designs

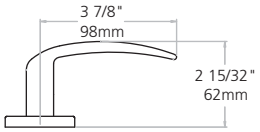
TL3700 Series

Pablo

Diminutive, yet distinctive and striking in style.

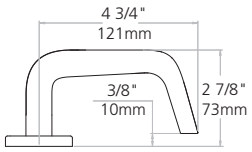


117[3]
Lever: Cast
Non-Handed lever





126[1,3]
Lever: Cast
Handed - Specify hand
Non-Reversible

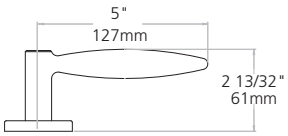


Jackson

Intuitive shapes, moving with the energetic rhythm of modern life.

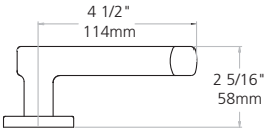


105[3]
Lever: Cast
Handed - Specify hand
Non-Reversible



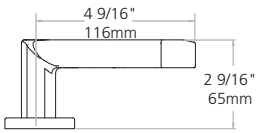


119[3]
Lever: Cast
Handed - Specify hand
Non-Reversible



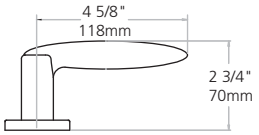


121[2,3]
Lever: Cast
Handed - Specify hand
Non-Reversible



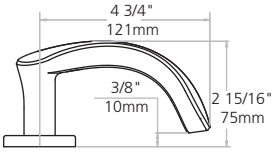


122[3]
Lever: Cast
Handed - Specify hand
Non-Reversible





127[1,3]
Lever: Cast
Handed - Specify hand
Non-Reversible



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available with Inspire™ roseless trim.
3. Not available in 32D or 32 finish.

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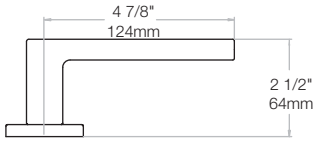
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Salvador

Dreamlike beauty manifested in solid, familiar forms.

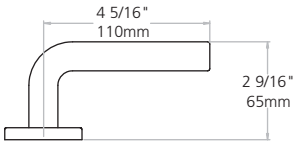


106
Lever: Cast
Non-handed lever



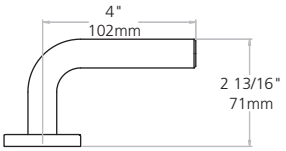


107
Lever: Cast
Non-handed lever



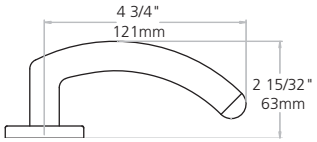


108
Lever: Cast
Non-handed lever



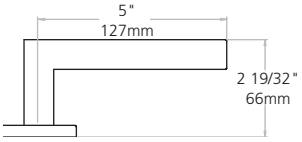


109
Lever: Cast
Non-Handed lever



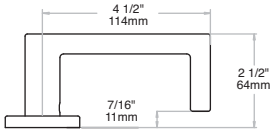


110
Lever: Cast
Non-handed lever



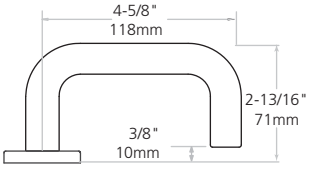


123[1]
Lever: Cast
Non-handed lever





128[1]
Lever: Cast
Non-handed lever



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

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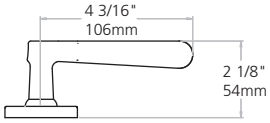
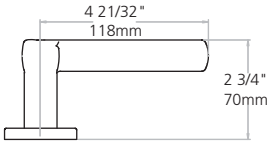
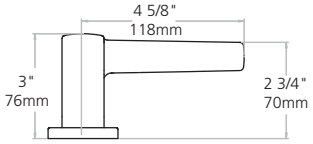
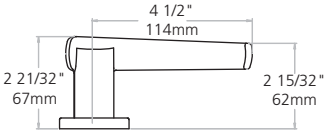
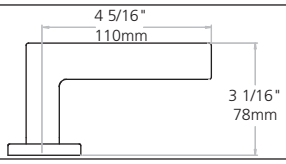
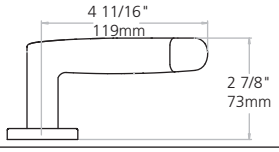
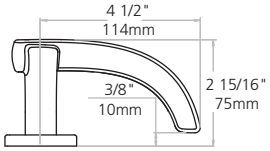
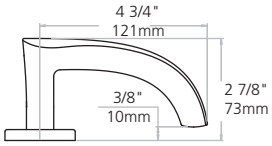
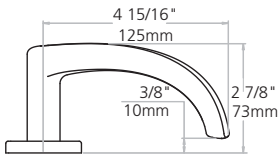
Corbin Russwin
ASSA ABLOY

Muséo® Trim Designs

TL3700 Series

Marc

Fluid lyricism expressed through whimsical lines and dynamic contours.

	**111[2,3]** Lever: Cast Handed - Specify hand Non-Reversible	
	**112[3]** Lever: Cast Handed - Specify hand Non-Reversible	
	**113[2,3]** Lever: Cast Handed - Specify hand Non-Reversible	
	**114[3]** Lever: Cast Handed - Specify hand Non-Reversible	
	**115[3]** Lever: Cast Handed - Specify hand Non-Reversible	
	**116[3]** Lever: Cast Handed - Specify hand Non-Reversible	
	**130[1,3]** Lever: Cast Handed - Specify hand Non-Reversible	
	**131[1,3]** Lever: Cast Handed - Specify hand Non-Reversible	
	**132[1,3]** Lever: Cast Handed - Specify hand Non-Reversible	

1. **Complies with codes requiring lever to return to within 1/2" (13mm) of door face.**
2. **Not available with Inspire™ roseless trim.**
3. **Not available in 32D or 32 finish.**

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Muséo® Trim Designs

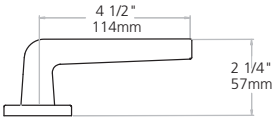
TL3700 Series

Georgia

Timeless elegance in forms inspired by the natural world.

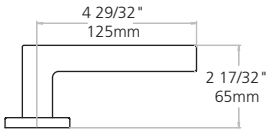


101[2,3]
Lever: Cast
Non-Handed lever



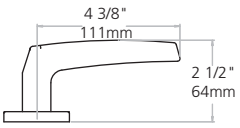


102
Lever: Cast
Non-Handed lever



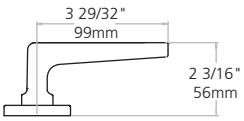


103
Lever: Cast
Non-Handed lever



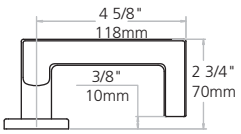


104[2,3]
Lever: Cast
Non-Handed lever



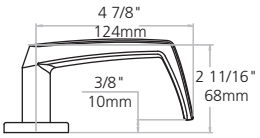


124[1]
Lever: Cast
Non-Handed lever





125[1]
Lever: Cast
Non-Handed lever



Laser Engraving offered on 102, 103, 124 and 125. See Custom Laser Engraving brochure for details.
1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available with Inspire™ roseless trim.
3. Not available in 32D or 32 finish.

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Muséo® Trim Designs

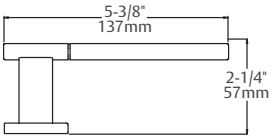
TL3700 Series

Josef[2/3]

Tribute to the square with beautifully simple, but equally dramatic forms.

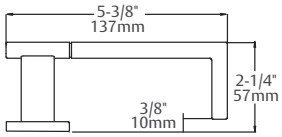


133
Lever: Cast
Non-Handed lever



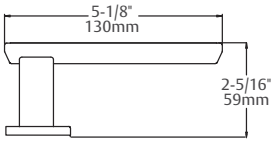


134[1]
Lever: Cast
Non-Handed lever



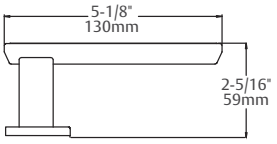


135
Lever: Cast
Non-Handed lever



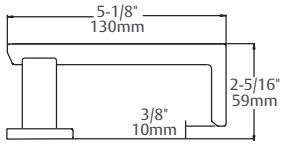


136
Lever: Cast
Non-Handed lever



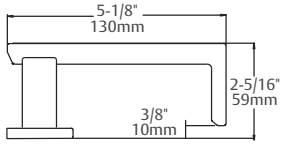


137[1]
Lever: Cast
Non-Handed lever





138[1]
Lever: Cast
Non-Handed lever



Laser Engraving offered on 133 and 134. See Custom Laser Engraving brochure for details.
1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available with Inspire™ roseless trim.
3. 135-138 contain white or back polycarbonate insert

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Muséo® Trim Designs

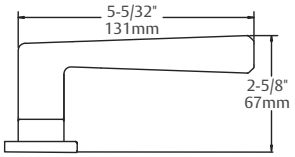
TL3700 Series

Georges[2]

Enduring, contemporary pieces that evoke an emotional response with sophisticated design.

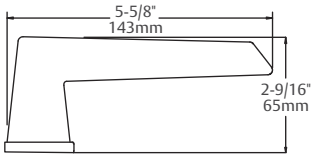


139
Lever: Cast
Non-Handed lever



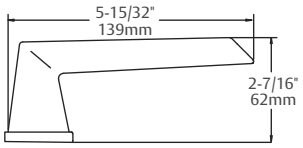


140[4]
Lever: Cast
Handed lever



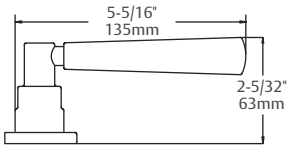


141[4]
Lever: Cast
Non-Handed lever



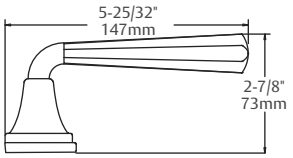


142
Lever: Cast
Non-Handed lever





143[4]
Lever: Cast
Non-Handed lever



2. Not available with Inspire™ roseless trim.
4. Not available with TL3720 or TL3720A

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Muséo® Trim Designs

TL3700 Series

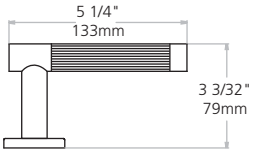
Piet[2]

Striking levers with sleek, clean lines.

***Refer to page 14 for how to order the Piet Lever Collection.**

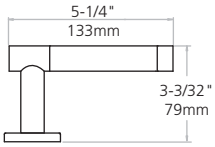


21G
Grooved Insert
Lever: Stainless steel
Non-Handed Lever



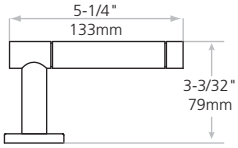


21L
Leather Insert
Lever: Stainless steel
Non-Handed Lever



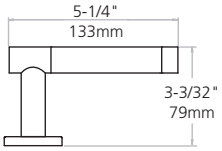


21M
Polished with Satin Insert
Lever: Stainless steel
Non-Handed Lever



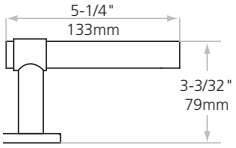


21S
Santoprene™ Insert
Lever: Stainless steel
Non-Handed Lever



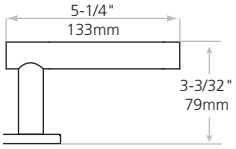


23M
With Raised Band
Lever: Stainless steel
Non-Handed Lever



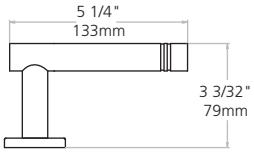


25M
Plain
Lever: Stainless steel
Non-Handed Lever





27M
Plain with Two Grooves
Lever: Stainless steel
Non-Handed Lever



2. Not available with Inspire™ roseless trim.

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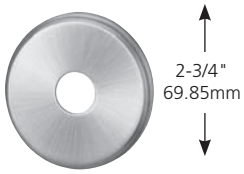
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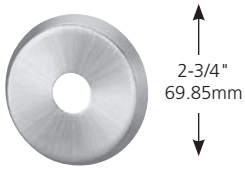
Muséo® Trim Designs

TL3700 Series

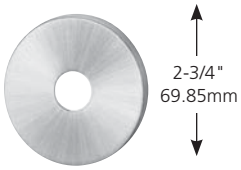
Muséo Roses



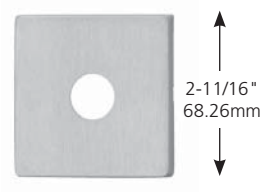
V Rose



U Rose

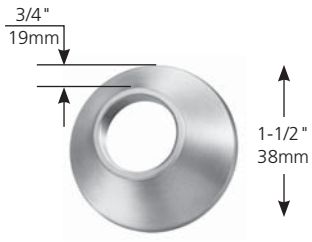


T Rose



E2 Rose[1]

Inspire™ Roseless Trim



J Collar
Brass or Stainless Steel

1. Cannot retrofit on existing cylindrical lock door preps with thru-bolt holes outside the 2-1/8" bored hole (Ex. CL3300 & CL3500).

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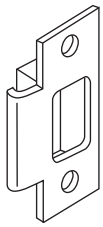
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ASSA ABLOY

Strikes

TL3700 Series

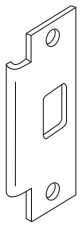
Curved Lip "T" Strike (standard)

- Brass
- 2-3/4" x 1-1/8" x 1-1/4" lip to center
- Optional lip lengths: 1", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 2-3/4", 3"
- To order separately, specify 586L19 x Lip Length x Finish



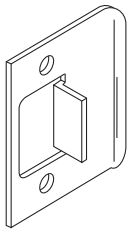
ANSI Curved Lip

- Brass or stainless steel
- 4-7/8" x 1-1/4" x 1-1/4" lip to center
- Optional lip lengths: 1", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 2-3/4", 3"
- To order separately, specify 217L13 x Lip Length x Finish
- To order with lockset, specify quick code found on page 13



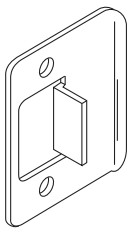
Full Lip Strike

- Brass or stainless steel
- 2-1/4" x 1-3/4" x 1-1/4" lip to center
- No optional lip lengths
- To order with lockset, specify quick code found on page 13
- To order separately specify 680L50M020 x Finish
- Anti-rattle tab



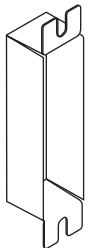
Full Lip Strike – 1/4" Radius Corners

- Brass or stainless steel
- Similar in dimension and function to L50 strike (above) but with radius corners for easy mortising by power tools
- To order with lockset, specify quick code found on page 13
- To order separately specify 680L51M020 x Finish
- Anti-rattle tab



ANSI Wrought Strike Box

- To order with lockset, specify quick code found on page 13. To order separately, specify 120F768.



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ASSA ABLOY

How to Order/Quick Codes

TL3700 Series

Strikes

Lip to Center	ANSI Curved Lip, Specify	T-Strike Curved Lip Box, Specify	Full Lip Specify	Full Lip Radius Corner Specify
1" (25mm)	SA100	SC100	N/A	N/A
1-1/8" (29mm)	SA118	SC118	N/A	N/A
1-1/4" (32mm)	SA114	(standard)	SF114	SFR114
1-3/8" (35mm)	SA138	SC138	N/A	N/A
1-1/2" (38mm)	SA112	SC112*	N/A	N/A
1-3/4" (44mm)	SA134	SC134	N/A	N/A
2" (51mm)	SA200	SC200	N/A	N/A
2-1/4" (57mm)	SA214	SC214	N/A	N/A
2-1/2" (28mm)	SA212	SC212	N/A	N/A
2-3/4" (70mm)	SA234	SC234	N/A	N/A
3" (76mm)	SA300	SC300	N/A	N/A

***Standard for D214**

Door Thickness

Measurement	Specify
1-3/8" (35mm) up to 1-3/4" (44mm)	(D138)
1-3/4" (44mm) up to 2-1/4" (57mm)	(standard)
2-1/4" (57mm) up to 2-1/2" (64mm)	(D214)
(Consult factory if over 2-1/2" (64mm))	

Backset

Measurement	Specify
2-3/4" (70mm)	(standard)
2-3/8" (60mm)	B238†

†1" front supplied standard

Micellaneous Options

Description	Specify
Rounded corners on latch front	M13
1" (25mm) latch front, square corners	M14**
1" (25mm) latch front, rounded corners	M15
ANSI wrought strike box	M17

**Standard for 2-3/8" backset

Finishes

Description		Specify
ANSI/BHMA 605	Bright Brass	605
ANSI/BHMA 606	Satin Brass	606
ANSI/BHMA 611	Bright Bronze	611
ANSI/BHMA 612	Satin Bronze	612
ANSI/BHMA 613	Dark Oxidized Satin Bronze, Oil Rubbed	613
613E	Dark Oxidized Satin Bronze - equivalent	613E
ANSI/BHMA 613L	Dark Oxidized Satin Bronze, Clear Coated	613L
ANSI/BHMA 618	Bright Nickel Plated	618
ANSI/BHMA 619	Satin Nickel Plated	619
ANSI/BHMA 625	Bright Chromium Plated	625
ANSI/BHMA 626	Satin Chromium Plated	626
ANSI/BHMA 629	Bright Stainless Steel	629
ANSI/BHMA 630	Satin Stainless Steel	630
ANSI/BHMA 722	Black Oxidized Bronze, Oil Rubbed	722
—	Black Suede Powder Coat	BSP

NOTE: Piet only offered in stainless steel and BSP finishes only. See page 14 for finish codes.

Ordering Examples

Stock Order

TL3700 Series

Quantity	Series/Function	Trim	Finish
25	TL3710	102U	626

Stock Order

TL3700 Series with Inspire™ Roseless Trim

Quantity	Series/Function	Trim^	Finish
25	TL3710	102J	626

^Specify J for the rose when ordering *Inspire* roseless trim.

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How to Order Piet Lever Collection

TL3700 Series

Lever Trim and Finish Options



Grooved Insert 21G



Leather Insert 21L



Polished with Satin Insert 21M



Santoprene™ Insert 21S



With Raised Band 23M



Plain 25M



Plain with Two Grooves 27M

Piet Finish Codes

ANSI/BHMA Finish	Piet Code*	Description
ANSI/BHMA 630	30	Satin Stainless Steel
ANSI/BHMA 629	29	Bright Stainless Steel
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	292929 or 303030
21L	Leather Insert	29BK29, 29BN29 or 30BK30, 30BN30
21M	Metallic Insert	293029** only
21S	Santoprene Insert	29BK29 or 30BK30
23M	Raised Band	290029, 300030 or 290030**
25M	Plain	290029 or 300030
27M	Two Grooves	290029 or 300030

**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

Ordering Examples

Rose Options: T, U, V, E2

Quantity	Series/ Function	Trim	Lever Finish	Lock Finish	Hand
2	TL3710	21LU	29BK29	629	RH
5	TL3710	25MT	290029	629	RH

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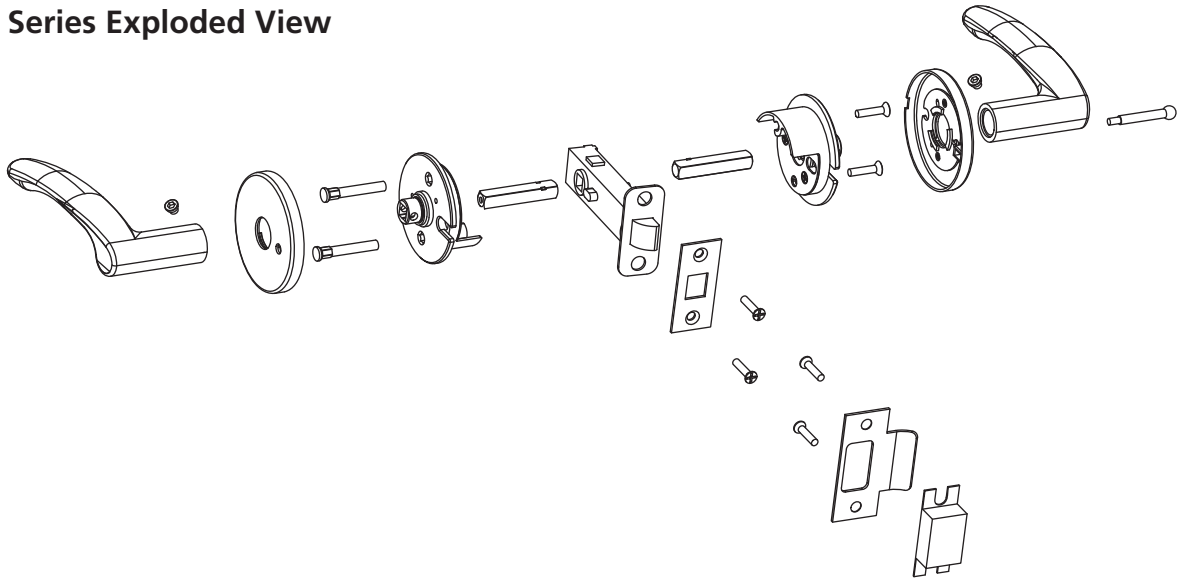
Architectural Specifications

TL3700 Series

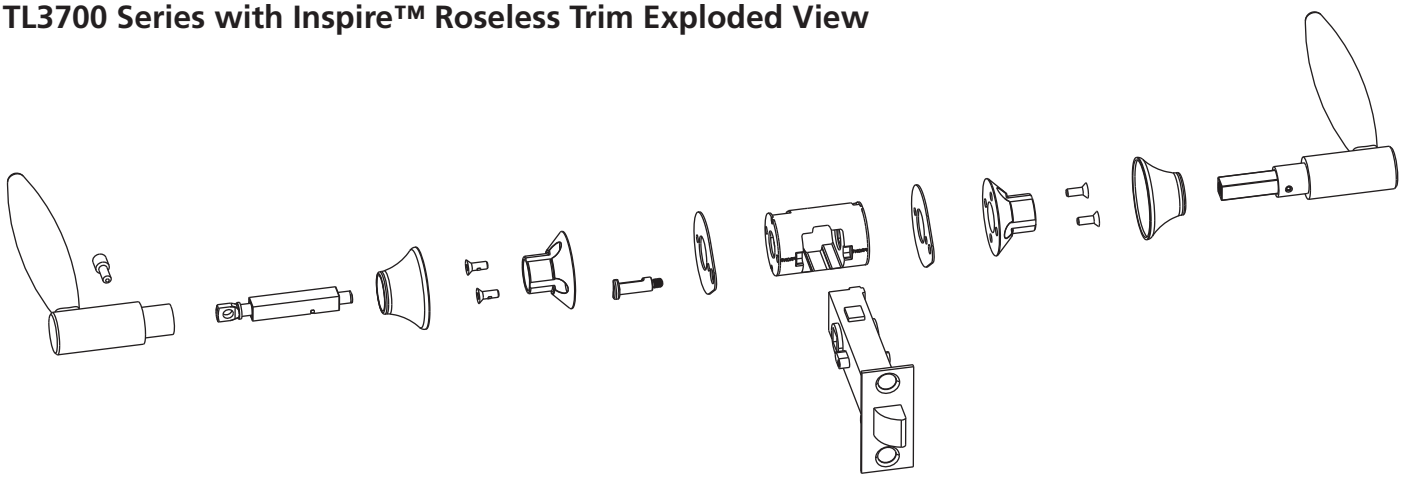
TL3700 Series Tubular Lock

1. Locksets shall be TL3700 Series as manufactured by Corbin Russwin Architectural Hardware, Berlin, CT.
2. Locks shall be non-handed with bi-directional lever operation.
3. Locks shall mount in a standard ANSI/BHMA door prep (2-1/8" dia.) without additional throughbolt preps. (Does not apply to Inspire™ roseless trim)
4. Lockset levers shall be made of solid material with no plastic fillers.
5. Locks shall have a 2-3/4" (70mm) backset standard, with 2-3/8" (60mm) offered as an option.
6. Strikes shall be non-handed with a curved lip.
7. Locks shall have a one year limited warranty.

TL3700 Series Exploded View



TL3700 Series with Inspire™ Roseless Trim Exploded View



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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Corbin Russwin

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Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada
ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 800-461-8989
www.assaabloydss.ca

For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

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Corbin Russwin

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UT5200 Series

Pre-Assembled Unit Locksets



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in door opening solutions



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Applications

UT5200 Series

Table of Contents

Applications 2
Features 3
Functions 4
Trim Designs 5
Options and Accessories 6
How to Order 8
Helpful Terms 10
How to Specify 11

www.corbinrusswin.com

Applications

This lock has provided decades of service in some of the world's most prestigious buildings. Its pre-assembled, unitized construction is ideal for projects where installation costs are to be minimized. Typical high-traffic commercial, institutional and industrial applications include:

- Schools and universities
- Office buildings
- Hospitals
- Municipal buildings
- Historic buildings

Advantages

- Factory pre-assembled for quick, economical, one-piece installation: no job site assembly required
- 3/4" radius latchbolt, designed to wedge more tightly into the strike when tampered with, while meeting all ADA force-to-latch requirements.

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Features

UT5200 Series

Features

Handing
Specify hand. All functions are handed.

Door Thickness
1-3/4" (44mm) only.

Backset
2-3/4" (70mm) only.

Lock Chassis
One-piece investment cast frame. Machined internal parts of steel, bronze and stainless steel. Zinc dichromated for corrosion resistance.

Front
Beveled 1/8" (3mm) in 2" (51mm).

Latchbolt
Brass, chrome plated, 3/4" (19mm) throw pivoted, swinging type.

Auxiliary Latch
Deadlocks latchbolt, preventing manipulation when door is closed.

Strike
Wrought brass or bronze, ANSI strike with nylon adjusting screw, standard. 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.
Optional strikes and lip lengths available; see pages 6 and 9.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
Interchangeable core (IC)
Security
Security (IC)
Access 3™
Pyramid High Security
Pyramid High Security (IC)
Pyramid Security
Pyramid Security (IC)
Master ring

Warranty
One-year limited.

MicroShield®
UT5200 series locks are available with MicroShield® antimicrobial coating. *MicroShield* is a revolutionary hardware finish coating, using a silver ion based technology, which inhibits the growth of bacteria, algae, yeast, fungus, mold and mildew. *MicroShield* is non-toxic and lasts for the lifetime of the finish to which it is applied. To order, suffix option code "C".
Note: MicroShield® coating may vary finish color from architectural standards. *MicroShield* is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated product must still be cleaned to insure the surfaces will be free of destructive microbes. Corbin Russwin makes no representations or warranties, express or implied, as to the efficacy of the *MicroShield* antimicrobial.

Certification/Compliance

ANSI/BHMA
Designed to meet A156.2 Series 2000. Meets A117.1 Accessibility Code (lever design only).

Federal
Meets FF-H-106C.

California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard)
All levers with return comply; levers return to within 1/2" (13mm) of door face.

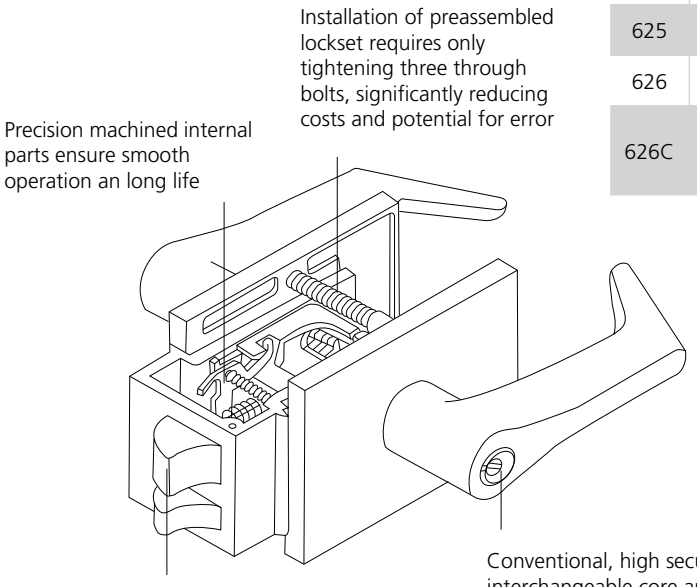
UL-cUL

All locks listed for A label and lesser class doors, single or pair, maximum door size 3'8" (111.7cm) x 7'2"(218.4cm)
All locksets also listed for B label doors, single or pair, maximum door size 4' x 8'. Letter F and UL symbol on lock frame indicate listing.

Any retrofit or other field modification to a fire-rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Finishes

612	US10	Satin Bronze
613	US10B	Dark Oxidized Satin Bronze, Oil Rubbed
613E	—	Dark Oxidized Satin Bronze - equivalent
625	US26	Bright Chromium Plated
626	US26D	Satin Chromium Plated
626C	—	Satin Chromium Plated with MicroShield®

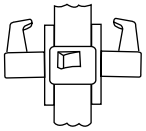
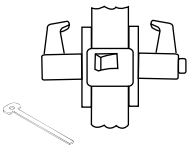
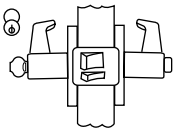
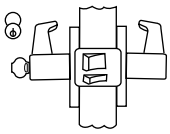
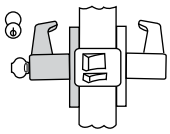
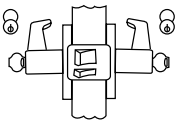


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Functions

UT5200 Series

Outside Inside	Series/Function	Type	ANSI No.	Function Description
	UT5210	Passage or Closet	F36	• Latchbolt by grip either side. • Both grips always free.
	UT5220	Privacy Bedroom or Bathroom	F37	• Latchbolt by grip either side. • Outside grip locked by push button. • Outside grip unlocked by emergency release tool outside, by rotating inside grip or by closing door. • Inside grip always free.
	UT5251	Entrance or Office	F40	• Deadlocking latchbolt by grip either side, except when turn button locks outside grip. • Key outside retracts latchbolt. • Outside grip unlocked by turn button. • Inside grip always free.
	UT5255	Classroom	F42	• Deadlocking latchbolt by grip either side, except when key outside locks outside grip. • Outside grip unlocked by key outside. • Inside grip always free.
	UT5257	Storeroom or Closet	F44	• Deadlocking latchbolt by key in outside grip or by rotating inside lever. • Outside grip always rigid. • Inside grip always free.
	UT5282	Store Door	F46	• Deadlocking latchbolt by grip either side, except when key either side locks both grips. • Keyed alike unless specified otherwise.

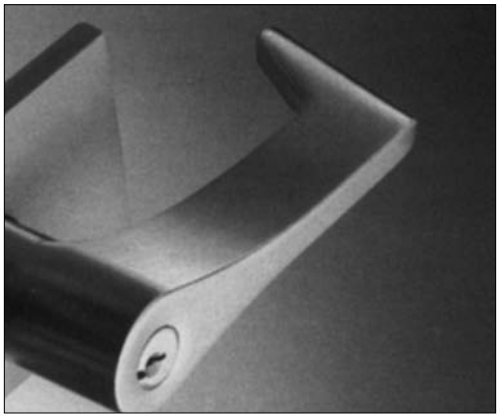
 Indicates optional interchangeable core available; see How to Order, page 9.

 Indicates rigid grip.

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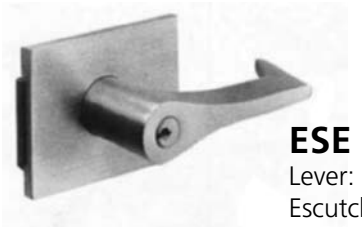
Trim Designs

UT5200 Series

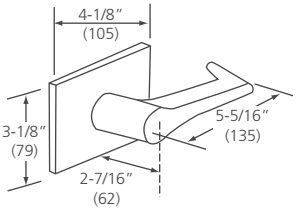


Essex

Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
Brass.



ESE
Lever: Forged
Escutcheon: Forged



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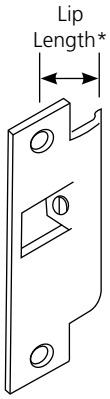
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Options and Accessories

UT5200 Series

Strikes

*Lip length for ANSI strikes measured from lip to center

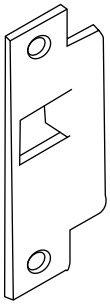


ANSI Curved Lip

Brass or bronze.
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.
Nylon set screw to adjust clearance.
No optional lip lengths.
Wrought box not available.
To order with lockset, see How to Order, pages 8 and 9. To order separately, specify 236L75 x Finish.

ANSI Straight Lip for Extended Lip Escutcheon

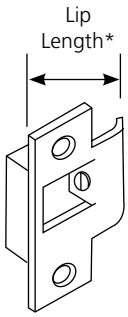
Brass or bronze.
4-7/8" (124mm) x 1-1/4" (32mm) x 15/16" (24mm) lip to center.
Nylon set screw to adjust clearance.
Furnished standard with extended lip escutcheon option.
To order separately, specify 610L43 x Finish.



ANSI Straight Lip for Pairs of Doors

Brass or bronze.
4-7/8" (124mm) x 1-1/4" (32mm) x 1" (25mm) lip to center.
Non-adjustable.
To order with lockset, see How to Order, pages 8 and 9.
To order separately, specify 610L44 x Finish.

*Lip length for non ANSI strikes measured from back of the strike to the lip.

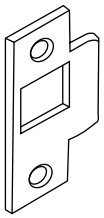


Curved Lip "T" Strike

Brass.
3-1/4" (83mm) x 1-1/8" (29mm) x 2-1/8" (54mm).
Nylon set screw to adjust clearance.
Optional lip lengths (measured from back of strike to edge of lip): 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm).
To order with lockset, see How to Order, page 9.
To order separately, specify 083L96 x Lip Length x Finish.

For Extended Lip Escutcheon

Brass or bronze.
3-1/4" (83mm) x 1-1/8" (29mm) x 1-13/16" (46mm) lip length.
Nylon set screw to adjust clearance. Lip not curved.
To order with lockset, see How to Order, page 9.
To order separately, specify 293L14 x Finish.



For Pairs of Doors

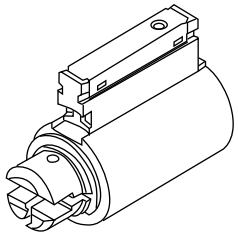
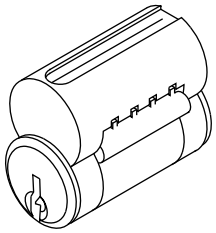
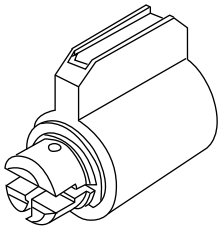
Brass or bronze. Non-adjustable
3-1/4" (83mm) x 1-1/16" (27mm) x 1-13/16" (46mm).
To order with lockset, see How to Order, page 9.
To order separately, specify 082L67 x Finish.

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Options and Accessories

UT5200 Series

Cylinders

	 Standard Cylinder .552" plug diameter Brass, 6-pin 2 nickel silver keys Finishes: 606, 626 .496" plug diameter Pyramid	 Interchangeable Core .509" plug diameter conventional .552" plug diameter high security Brass, 6-pin 2 nickel silver keys Finishes: 612, 613, 613E, 625, 626 .496" plug diameter Pyramid	 Master Ring Cylinder .552" plug diameter Brass, 6-pin 2 nickel silver keys Finishes: 606, 626
Conventional 6-Pin	2000-052	8000	2060-052
Conventional 7-Pin	N/A	8000-7	N/A
Security	2010-052	8010	N/A
Pyramid High Security	2020-052	8020	N/A
Pyramid Security	2027-052	8027	N/A
Access 3 - Patented (AP)	2500-052	8500	N/A
Access 3 - Security (AS)	2600-052	8600	N/A
Access 3 - High Security (AHS)	2700-052	8700	N/A

To order optional cylinder with lockset, see How to Order, page 9.
To order cylinder separately, specify Part No. x Keyway x Finish) (e.g., 2000-052 x L4 x 626).

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How to Order

UT5200 Series

Ordering Examples

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
100	UT5251	ESE	626	RH

Split Finish Order

Quantity	Series/ Function	Trim	Finish		Hand
			Outside	Inside	
12	UT5251	ESE	626	625	RH

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	UT5251	ESE	626	RHR	SC200	M21	MR	VKC3

Where to find ordering information and Quick Codes

Series/Function	Page 4
Trim Designs	Page 5
Finish	Page 9
Handing	Page 9
Strikes	Page 9
Miscellaneous Options	Page 9
Cylinder and Keying	Page 9

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How to Order

UT5200 Series

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
IC 6-pin	C6
IC 6-pin less core	CL6
IC 7-pin (ESE trim only)	C7
IC 7-pin less core (ESE trim only)	CL7
High Security	HS
High Security IC	CHS
Master ring	MR
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC3	ACP
Access 3® Security IC3	ACS
Access 3® High Security IC3	ACHS
Pyramid Security Fixed Core	PS
Pyramid Security IC	PCS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid IC with Temporary Construction Core	CTP
Pyramid IC with Temporary Disposable Core	CTPD
Pyramid IC Less Core	CLP
IC 6-pin with Temporary Construction Core (Red)	CT6R
IC 6-pin with Temporary Construction Core (Blue)	CT6B
IC 6-pin with Temporary Construction Core (Green)	CT6G
IC 6-pin with Temporary Disposable Core	CT6D
IC 7-pin with Temporary Construction Core (Red)	CT7R
IC 7-pin with Temporary Construction Core (Blue)	CT7B
IC 7-pin with Temporary Construction Core (Green)	CT7G
IC 7-pin with temporary Disposable Core	CT7D
No Stamping	VKC0
Keys only	VKC1
Cylinders and keys (not for HS or CHS)	VKC2
Cylinders only (not for HS or CHS)	VKC3
Concealed key control (CKC)	
CKC cylinders with VKC keys	CKC2
CKC cylinders only	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)

Strikes

Lip Length	ANSI Curved Lip Specify	T-Strike Curved Lip Box* Specify
1-1/4" (32mm)	(standard)	N/A
2" (51mm)	N/A	SC200
2-1/8" (54mm)	N/A	SC218
2-1/4" (57mm)	N/A	SC214
2-1/2" (64mm)	N/A	SC212
2-3/4" (70mm)	N/A	SC234
3" (76mm)	N/A	SC300

Lip Length	ANSI* Straight Lip for Door Pair Specify	For Door Pair* Specify
1-13/16" (46mm)	SA136	SP136

Lip Length	ANSI Straight Lip for Extended Lip Escutcheon	For Extended Lip Escutcheon
15/16" (24mm)	Standard when extended lip escutcheon option is specified	SX156

*Lip is measured from back of strike

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Lever to accept SFIC core	M08
Extended lip escutcheon (for single door reverse bevel; 630 finish to match 626 only)	M11
Knurling outside and inside	M20
Knurling outside only	M21
Knurling inside only	M22
Abrasive coat outside and inside	M23
Abrasive coat inside only	M24
Abrasive coat outside only	M25
Lead-lined escutcheon (inside only)	M28
Unstaked lever retainer	M33
MicroShield Coating (626C only)	C

Finish

Description		Specify
US10	Satin Bronze	612
US10B	Dark Oxidized Satin Bronze, Oil Rubbed	613
—	Dark Oxidized Satin Bronze - equivalent	613E
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626
—	Satin Chromium Plated with MicroShield®	626C

Handing

Hand	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR

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Helpful Terms

UT5200 Series

Abrasive Coat
Hard granular material applied to a knob or lever to provide a non-slip tactile surface for the visually impaired.

Auxiliary Latchbolt
A supplementary latch which, when the door is closed, automatically deadlocks the latchbolt. Protects the latchbolt from forced retraction or "credit carding."

Backset
The distance from the front of the lock to the centerline of the cylinder or knob/lever hub.

Bevel
The angle of the edge of a door in relation to the inside and outside surfaces of the stile. The most common bevel for commercial doors is 1/8" in 2".

Box Strike
A strike equipped with an enclosure behind the hole(s) for the latchbolt and/or deadbolt. Protects the strike area from mortar and cement.

Chassis
The housing of a lockset, containing most of the working parts.

Curved Lip Strike
A strike with the lip curved to conform to the detail of the door frame.

Front
The part of a lock visible on the edge of a door.

Hand
The direction a door swings.

Knurling
A permanently applied tactile warning engraved in the metal of a knob or lever to warn the visually impaired of dangerous conditions on the other side of the door.

Latchbolt
A lock component having a beveled end that projects from the lock front but may be forced back into the lockcase by end pressure or drawn back by action of the retractor. When the door is closed, the latchbolt projects into a hole provided in the strike, holding the door in the closed position.

Lead Lined
Pertains to a lockset whose trim has a lining of lead to prevent the passage of radiation. Generally used in hospital applications.

Lip of Strike
The projecting part of a strike which first engages the latch; may be curved or straight.

Return
The part of a lever handle which angles or turns back toward the face of the door. Also, the distance between the end of the return of the lever and the surface of the door.

Strike
A metal plate that is pierced or recessed to receive the deadbolt or latchbolt of a lock (sometimes called a keeper).

Throw
The distance that a lock's deadbolt or latchbolt projects when in the locked position. The effective throw is the distance that a latchbolt projects when deadlocked.

Wrought Strike Box
A metal box mounted behind the strike to protect the strike opening from mortar or cement.

Keying and Cylinder Terms

Concealed Key Control (CKC)
The marking of standard key symbols on a cylinder in a location which is not visible once the cylinder is installed.

Construction Core
An interchangeable core for temporary use during construction. It is replaced by the permanent core when construction personnel no longer need access.

Construction Master Keying (CMK)
A cylinder preparation which allows temporary access by construction personnel.

Control Key
A key used to remove and install interchangeable cores.

Cylinder
A lock component containing the combination which determines which keys will operate.

Interchangeable Core (IC)
A cylinder which can be removed and installed quickly with a control key by non-skilled personnel when rekeying is required.

Key Section
The cross-section of a key blade, as viewed from bow to tip.

Key Symbol
A letter/number combination in standard industry format (e.g., 1AA, AA1, etc) which indicates exactly how a key or cylinder fits into a keying system.

Keyway
The opening in a cylinder plug through which the key enters.

Master Keying
Preparation of a cylinder to operate with keys of different levels of access.

Master Ring Cylinder
A cylinder which offers a wider range of keying.

Visual Key Control (VCK)
The marking of standard key symbols on keys and on the visible portion of the front of a cylinder.

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How to Specify

UT5200 Series

Suggested Specification

All locksets shall be UT5200 Series Pre-Assembled Unit Locksets, as manufactured by Corbin Russwin Architectural Hardware, Berlin, Connecticut, USA.

Locksets shall be the unit type, completely pre-assembled at the factory, requiring no dis-assembly to install on the door. Levers and escutcheons shall be part of the pre-assembled lockset.

The lock frame, levers, escutcheons and bolts shall be made from non-ferrous metals. Escutcheons shall be forged brass, 5/16" thick, and when installed on specified reverse bevel doors shall be the extended lip type to provide additional security. The latchbolt shall be extruded brass, pivoted swinging type with 3/4" throw. The cylinder shall be universal with a horizontal keyway to assure correct orientation. Conventional, high security, interchangeable core and master ring cylinders shall be available.

Lever handle designs shall return to within 1/2" of door surface.

All locksets shall be listed by Underwriters Laboratories for A label and lesser class doors, single or pair, maximum door size 3'8" x 7'2". All locksets shall also be UL listed for B label doors, single or pair, maximum door size 4' x 8'.

Certification:
Federal Specification FF-H-106C
Designed to meet ANSI/BHMA A156.2 Series 2000
ANSI A117.1 Accessibility Code (lever handle trim)
California State Reference Code (formerly Title 19, California State Fire Marshal Standard) (lever handle trim)

All locks, trim and cylinders shall be from one manufacturer.

All locksets shall carry a one-year limited warranty.

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Corbin Russwin

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For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

MicroShield™

MicroShield®
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