



2021 Edition

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Global Door Controls and Trans-Atlantic Company have combined their hardware offerings and Customer Service Specialists to best service our customer's daily needs. In doing this it will give our customers a wide breath of product offerings and personal customer support that will establish lasting relationships, exceeding your expectations. Our pledge to you as your supplier of door hardware products is to ship high quality products, complete and on time and competitively priced.

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All the employees at Imperial USA Ltd. are here to support our customers. We strive for total customer satisfaction from every customer's call to every shipment to you.

We appreciate your continued support as we work together to grow your business.

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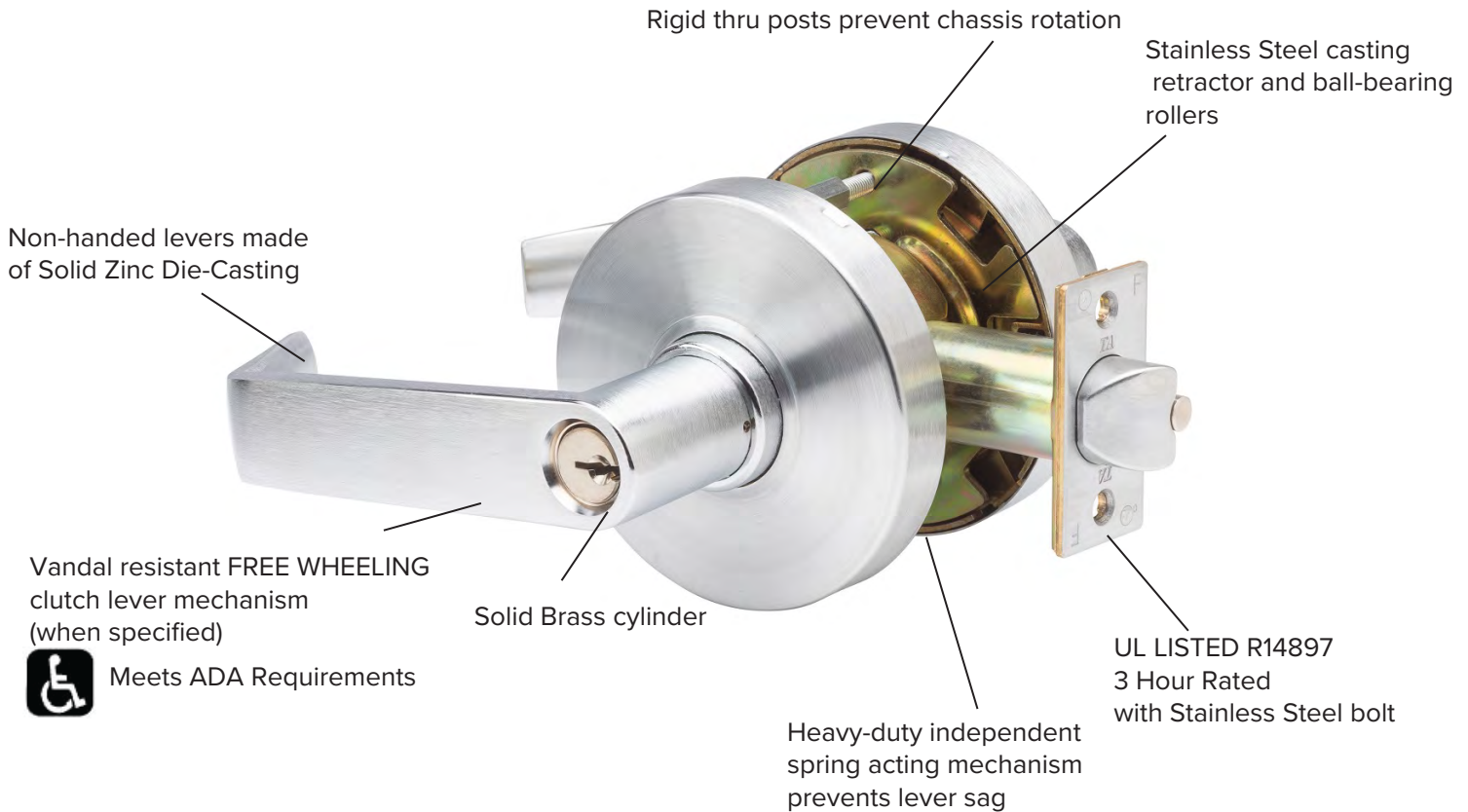
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HEAVY DUTY COMMERCIAL CYLINDRICAL LEVER

The DL-LHV Series cylindrical leversets are designed for use on heavy duty Grade 1 commercial applications. The LHV series is ADA compliant and features a free wheeling clutch mechanism option that ensures longevity and security.



CODE COMPLIANCE



- ANSI A156.2 Grade1, UL10C and UBC 7.2 for positive pressure
- ANSI A117.1ADA Barrier-free Accessibility
- C-UBC California Uniform Builders Code -2001
- NFPA-80 National Fire Protection -1999
- NFPA-101 National Fire Protection - Life Safety-2000



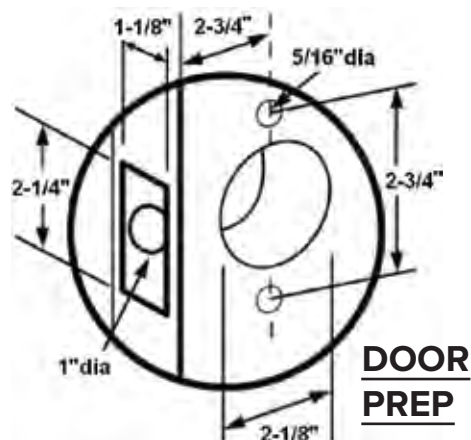
IC CORE OPTION
(core not included)

FEATURES

- Certification: UL Listed R14897 ANSI A156.2 Grade 1
- Door Thickness: 1 $\frac{3}{4}$ " - 2"
- Backset UL Listed: 2 $\frac{3}{4}$ " face, 1 $\frac{1}{8}$ " x 2 $\frac{1}{4}$ "
- Cylinder: Schlage "C" keyway
- Keying: Schlage 6 pin keyed
- Key: 2 six pin Nickel Plated
- Functions: See below
- Latch: $\frac{5}{8}$ " projection Stainless Steel 3 hour UL R14897
- Bore: 2 $\frac{1}{8}$ " hole retrofits all cylindrical locksets
- Fits 161 Prep
- Strike: ANSI 1 $\frac{1}{4}$ " x 4 $\frac{7}{8}$ " strike
- Non-handed / reversible
- Warranty: Lifetime mechanical. 10 year finish.
- Finish: US26D

OPTIONS

- CL - Clutch function - Lever rotates without unlatching lock
- IC - Small format Figure 8 Interchangeable Core NOT included
- DL-DLUL238 - 2 $\frac{3}{8}$ " backset, Deadlatch
- DL-SLUL238 - 2 $\frac{3}{8}$ " backset, Springlatch
- DL-TA013 - 1 $\frac{1}{8}$ " x 2 $\frac{3}{4}$ " "T" Strike



CROSS REFERENCE

FUNCTION	TA	DORMA	HAGER	CAL-ROYAL	PDQ	SCHLAGE
PASSAGE	DL-LHV10	CL810	3410	(C) GN-30	GT126	ND10S
PRIVACY	DL-LHV40	CL840	3440	(C) GN-20	GT176	ND40S
ENTRANCE	DL-LHV53	CL853	3453	(C) GN-00	GT116	ND53PD
CLASSROOM	DL-LHV70	CL870	3470	(C) GN-03	GT148	ND70PD
STOREROOM	DL-LHV80	CL880	3480	(C) GN-04	GT115	ND80PD

ACCESSORIES



DL-DLUL238G1 2 $\frac{3}{8}$ "
DL-DLUL234G1 2 $\frac{3}{4}$ "
Backset Deadlatch



DL-TA013
1 $\frac{1}{4}$ " x 2 $\frac{3}{4}$ "
"T" Strike



DL-TA001
1 $\frac{1}{4}$ " x 4 $\frac{7}{8}$ "
ASA Strike



DL-SLUL238G1 2 $\frac{3}{8}$ "
DL-SLUL234G1 2 $\frac{3}{4}$ "
Backset Springlatch



DL-TA020
1 $\frac{1}{4}$ " x 2 $\frac{1}{4}$ "
Full Lip Strike



DL-DX161 FILLER COVER

- 2 $\frac{3}{8}$ " filler plate
- Finishes: USP, US26D



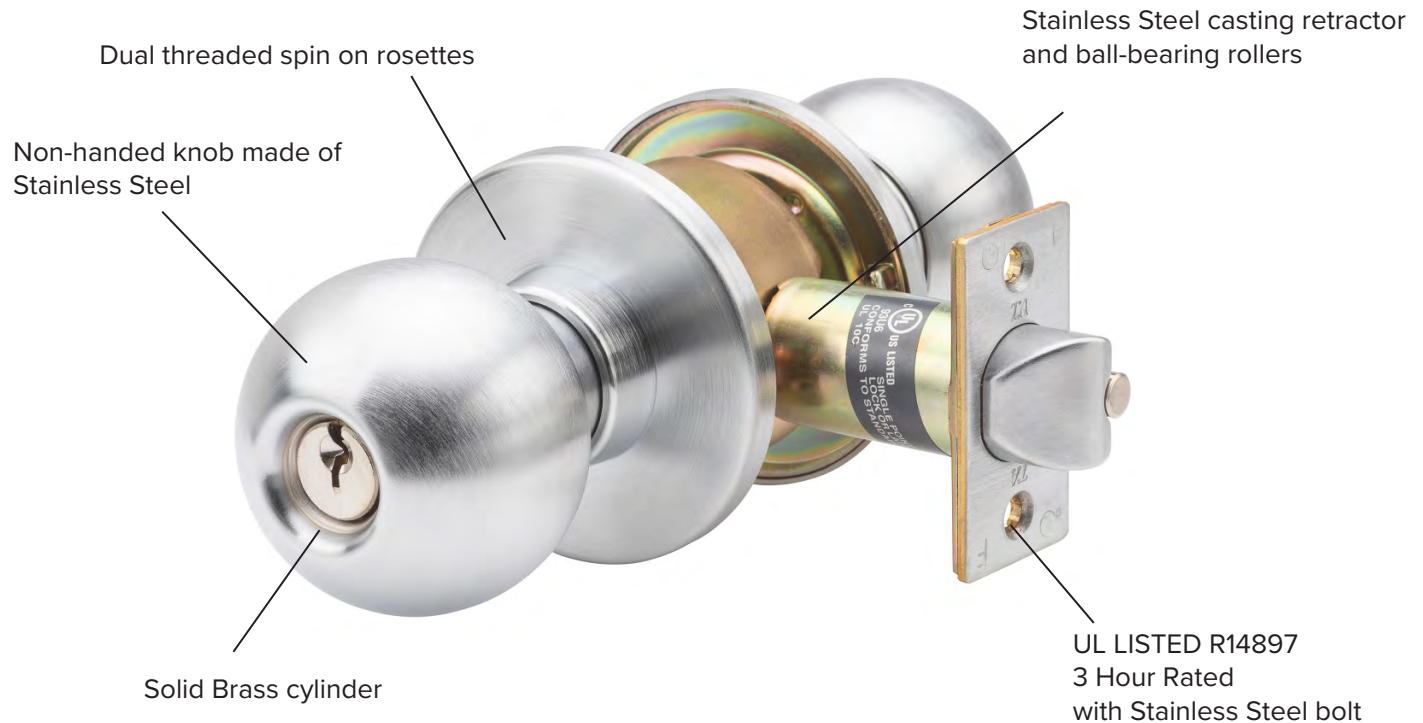
KEYING OPTIONS

(additional charges may apply)

- 2 keys per cylinder
- KD: Keyed Different
- KA: Keyed Alike
- KA2: Keyed Alike; groups of 2
- KEYWAYS: SC6, AR5, KW1

HEAVY DUTY COMMERCIAL CYLINDRICAL KNOB

The DL-HVB series cylindrical knobsets are designed for use on heavy duty Grade 1 commercial applications.



CODE COMPLIANCE



- ANSI A156.2 Grade1, UL10C and UBC 7.2 for positive pressure
- C-UBC California Uniform Builders Code -2001
- NFPA-80 National Fire Protection -1999
- NFPA-101 National Fire Protection - Life Safety-2000

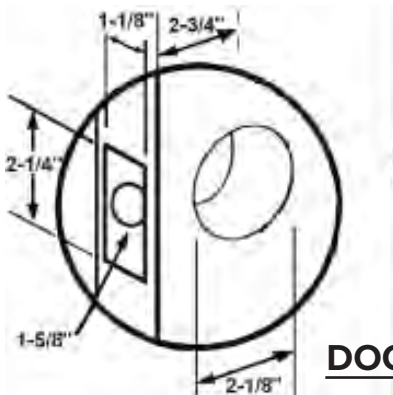


IC CORE OPTION
(core not included)

OPTIONS


- Certification: UL Listed R14897 ANSI A156.2 Grade 1
- Door Thickness: 1 $\frac{3}{4}$ " - 2"
- Backset UL Listed: 2 $\frac{3}{4}$ " face, 1 $\frac{1}{8}$ " x 2 $\frac{1}{4}$ "
- Cylinder: Schlage "C" keyway
- Keying: Schlage 6 pin keyed
- Key: 2 six pin Nickel Plated
- Functions: See Below
- Latch: $\frac{5}{8}$ " projection Stainless Steel 3 hour UL R14897
- Bore: 2 $\frac{1}{8}$ " hole retrofits all cylindrical locksets
- Fits 161 Prep
- Strike: ANSI 1 $\frac{1}{4}$ " x 4 $\frac{7}{8}$ " strike
- Non-handed / reversible
- Warranty: Lifetime mechanical. 10 year finish.
- Finish: US32D

- IC - Small format Figure 8
Interchangeable Core NOT included
- DL-DLUL238 - 2³/₈" backset, Deadlatch
- DL-SLUL238 - 2³/₈" backset, Springlatch
- DL-TA013 - 1-1¹/₈" x 2-3¹/₄" "T" Strike



DOOR PREP

CROSS REFERENCE

FUNCTION		DORMA	HAGER	CAL-ROYAL	PDQ	SCHLAGE
PASSAGE	DL-HVB10	CL810	3410	GRB30	SX126	D10S
PRIVACY	DL-HVB40	CL840	3440	GRB20	SX176	D40S
ENTRANCE	DL-HVB53	CL853	3453	GRB00	SX116	D53PD
CLASSROOM	DL-HVB70	CL870	3470	GRB03	XS148	D70PD
STOREROOM	DL-HVB80	CL880	3480	GRB05	XS115	D80PD

ACCESSORIES



DL-DLUL238G1 2³/₈"
DL-DLUL234G1 2³/₄"
 Backset Deadlatch



DL-TA013
1 1/4" x 2 3/4"
"T" Strike



DL-TA001
1 1/4" x 4 7/8"
ASA Strike



DL-SLUL238G1 2³/₈"
DL-SLUL234G1 2³/₄"
 Backset Springlatch



DL-TA020
1¼" x 2¼" Full
Lip Strike



DL-DX161 FILLER COVER

- 2 $\frac{3}{8}$ " filler plate
- Finishes: USP, US26D



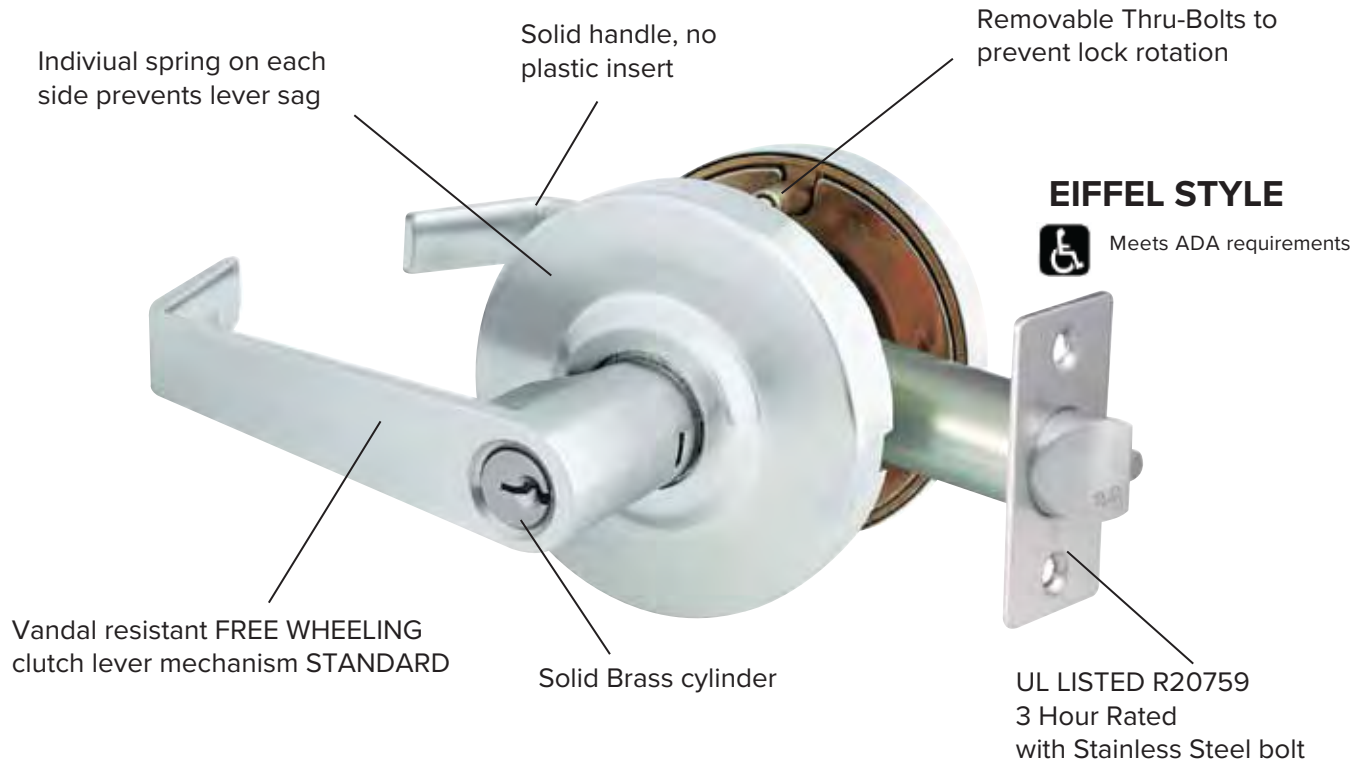
KEYING OPTIONS

(additional charges may apply)

- 2 keys per cylinder
- KD: Keyed Different
- KA: Keyed Alike
- KA2: Keyed Alike; groups of 2
- KEYWAYS: SC6, AR5, KW1

STANDARD DUTY COMMERCIAL CYLINDRICAL LEVER

The GAL Series cylindrical leversets are designed for use on heavy duty residential and standard to heavy duty Grade 2 commercial applications. The GAL commercial lever is ADA compliant and features a **FREE WHEELING CLUTCH** mechanism **STANDARD** that increases longevity and security.



PISA STYLE



IC CORE OPTION (only Eiffel Style) (core not included)

CODE COMPLIANCE



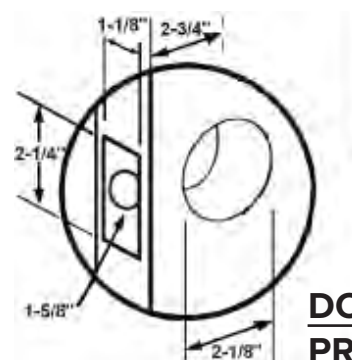
- ANSI A156.2 Grade2, UL10C and UBC 7.2 for positive pressure
- ANSI A117.1ADA Barrier-free Accessibility
- C-UBC California Uniform Builders Code-2001
- NFPA-80 National Fire Protection -1999
- NFPA-101 National Fire Protection - Life Safety-2000

FEATURES

- Certification: ANSI A156.2 Grade 2
- Door Thickness: 1 3/8" - 1 5/8"
- Backset: 2 3/4"
- Cylinder: Schlage "C" five pin keyway
- Keying: Schlage 5 pin keyed (6 pin capable)
- Key: 2 five pin Nickel Plated
- Functions: See below
- Latch: 5/8" projection Stainless Steel 3 hour UL R20759
- Face: 1 1/8" x 2 1/4"
- Bore: 2 1/8" hole retrofits all cylindrical locksets
- Fits 161 Prep doors
- Strike: ANSI 1 1/4" x 4 7/8"
- Construction: Steel, Zinc Dichromated resists corrosion
- Heavy duty spring cage reinforced for lever turn
- Removable Thru-Bolts
- Non-handed / reversible
- Warranty: Lifetime mechanical. 10 year finish
- Finish: US26D

OPTIONS

- IC - Small format Figure 8
Interchangeable Core NOT Included
- 2 3/8" backset, Deadlatch
- 2 3/8" backset, Springlatch
- GLA001 - 1 1/8" x 2 3/4" "T" Strike



CROSS REFERENCE

FUNCTION		ARROW	SARGENT	CAL-ROYAL	PDQ	SCHLAGE
PASSAGE	GAL-1110	ML01	65U15	CSL-30	GP126	AL10S
PRIVACY	GAL-1140	ML02	65U65	CSL-20	GP176	AL40S
ENTRANCE	GAL-1151	ML11	65G05	CSL-00	GP116	AL53PD
CLASSROOM	GAL-1170	ML17	65G37	CSL-03	GP148	AL70PD
STOREROOM	GAL-1180	ML12	65G04	CSL-04	GP115	AL80PD
ENTRY IC	GAL-1151L-IC	ML11IC	70-65G05	ICCSL-00	GP116-IC	AL53BD

ACCESSORIES



- GTA085-SUL1-626** 1 1/8" SQ UL DL 2 3/8", US26D
GTA085-SUL2-626 1" SQ UL DL 2 3/8", US26D
GTA096-SUL1-626 1 1/8" SQ UL DL 2 3/4", US26D



- GTA068-SUL1-626** 1 1/8" SQ UL SL 2 3/8", US26D
GTA068-SUL2-626 1" SQ UL SL 2 3/8", US26D
GLA116-SUL2-626 1 1/8" SQ UL SL 2 3/4", US26D



- GLA026-626 Square Corner**
 1 1/4" x 2 1/4"
 Full Lip Strike



- GLA001-626**
 1 1/4" x 2 3/4"
 "T" Strike



- GLA025-626**
 1 1/4" x 4 7/8"
 ASA Strike

KEYING OPTIONS

- 2 keys per cylinder
- KD: Keyed different
- KA: Keyed alike
- KA2: Keyed alike; groups of 2
- KEYWAYS: SC5



STANDARD DUTY COMMERCIAL CYLINDRICAL LEVER

The DL-LSV Series cylindrical leversets are designed for use on standard Grade 2 commercial applications. The LSV Saturn Style series is ADA compliant.

Individual spring on each side prevents lever sag

Removable Thru-Bolts to prevent lock rotation

Vandal resistant FREE WHEELING clutch lever mechanism (when specified)

Solid Brass cylinder

Backset: 2 ¾"



LSV / DB751 COMBO

US26D finish

SATURN STYLE



Meets ADA requirements



SPARTA STYLE



IC CORE OPTION
(only Saturn Style)
(core not included)

CODE COMPLIANCE



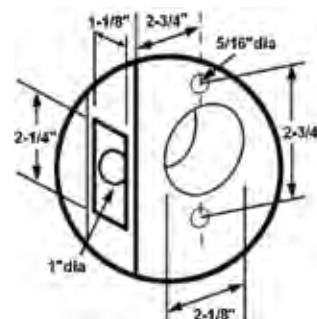
- ANSI A156.2 Grade 2, UL10C and UBC 7.2 for positive pressure
- ANSI A117.1 ADA Barrier-free Accessibility
- C-UBC California Uniform Builders Code-2001
- NFPA-80 National Fire Protection -1999
- NFPA-101 National Fire Protection - Life Safety-2000

FEATURES

- Certification: UL Listed R14879 ANSI A 156.2 Grade 2
- Door Thickness: 1 3/4" - 1 5/8"
- Backset: 2 3/4"
- Cylinder: Schlage "C" keyway
- Keying: Schlage 6 pin keyed
- Key: 2 six pin Nickel Plated
- Functions: See below
- Latch: 1/2" projection Stainless Steel
- Face: 1 1/8" x 2 1/4" (Optional 3 hour UL R14879)
- Bore: 2 1/8" hole retrofits all cylindrical locksets
- Fits 161 Prep doors
- Strike: ANSI 1 1/4" x 4 7/8"
- Removable Thru-Bolts
- Non-handed / reversible
- Warranty: Lifetime mechanical. 10 year finish.
- Finish: US3, US10B, US26D


OPTIONS

- CL - Clutch function - Lever rotates without unlatching lock (only Saturn Style)
- IC - Small format Figure 8 Interchangeable Core NOT included
- DL-DLUL238 - 2 3/8" backset, UL Deadlatch
- DL-SLUL238 - 2 3/8" backset, UL Springlatch
- DL-TAO13 - 1 1/8" 2 3/4" "T" Strike
- DL-EXBS5: Extension for 5" backset
- DL-LSV53DB751 - Combo, Single Cylinder
- DL-LSV53DB760 - Combo, Double Cylinder



DOOR PREP

CROSS REFERENCE

FUNCTION		DORMA	HAGER	CAL-ROYAL	PDQ	SCHLAGE
PASSAGE	DL-LSV10	CL710	3510	CSL-30	SP126	AL10S
PRIVACY	DL-LSV40	CL740	3540	CSL-20	SP176	AL40S
ENTRANCE	DL-LSV53	CL753	3553	CSL-00	SP116	AL53PD
CLASSROOM	DL-LSV70	CL770	3570	CSL-03	SP148	AL70PD
STOREROOM	DL-LSV80	CL780	3580	CSL-04	SP115	AL80PD
DUMMY	DL-LSVDT	CL701	3517	CSL-40	SP211	AL170

ACCESSORIES



DL-DLUL238 2 3/8"
DL-DLUL234 2 3/4"
Backset Deadlatch



DL-TAO13
1 1/4" x 2 3/4"
"T" Strike



DL-TAO01
1 1/4" x 4 7/8"
ASA Strike



DL-SLUL238 2 3/8"
DL-SLUL234 2 3/4"
Backset Springlatch



DL-TAO20
1 1/4" x 2 1/4"
Full Lip Strike



DL-DX161 FILLER COVER

- 2 3/8" filler plate
- Finishes: US26D



DL-EXB5 5"
BACKSET
EXTENSION

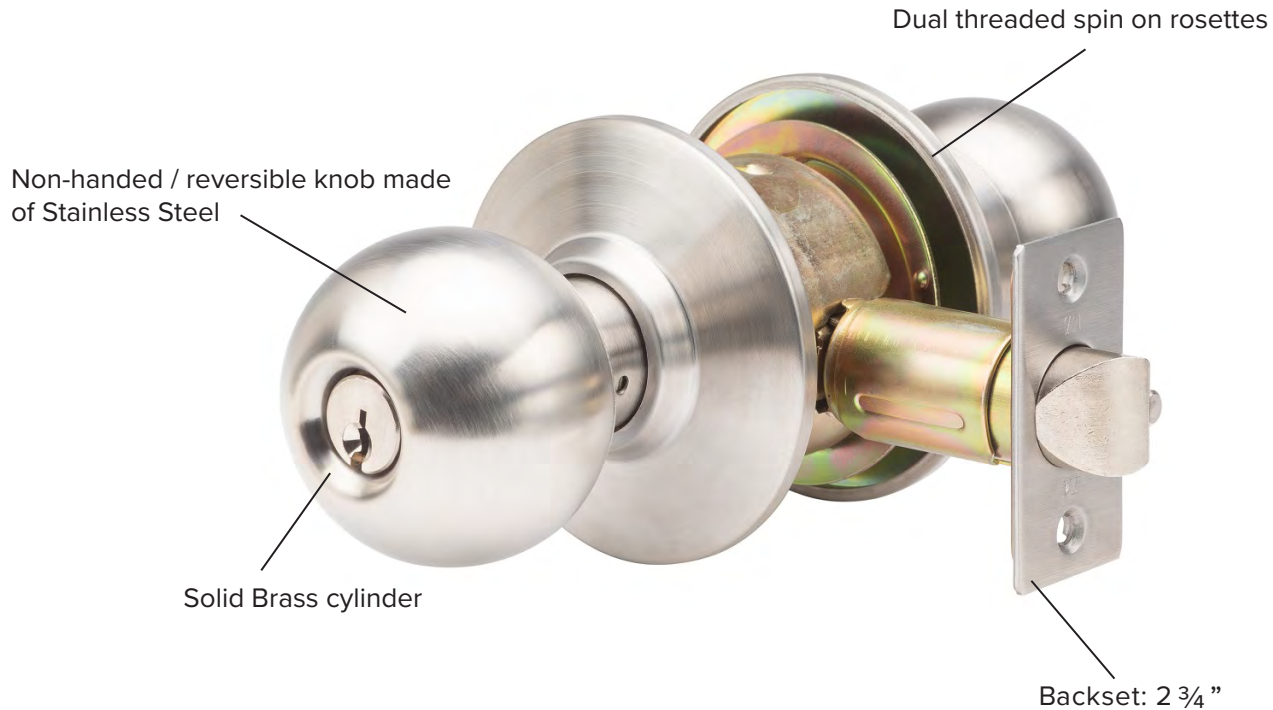
KEYING OPTIONS

(additional charges may apply)

- 2 keys per cylinder
- KD: Keyed Different
- KA: Keyed Alike
- KA2: Keyed Alike; groups of 2
- KEYWAYS: SC6, AR5, KW1

STANDARD DUTY COMMERCIAL CYLINDRICAL KNOB

The DL-SVB Series cylindrical knobsets are designed for use on standard Grade 2 commercial applications.



CODE COMPLIANCE



- ANSI A156.2 Grade 2, UL10C and UBC 7.2 for positive pressure
- C-UBC California Uniform Builders Code -2001
- NFPA-80 National Fire Protection -1999
- NFPA-101 National Fire Protection - Life Safety-2000

SVB / DB251 COMBO

US32D finish



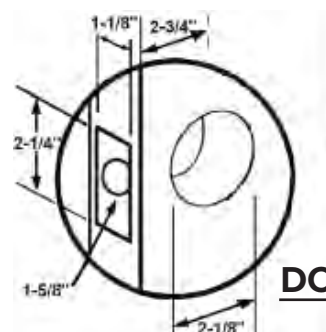
IC CORE OPTION
(core not included)

FEATURES

- Certification: ANSI A 156.2 Grade 2
- Door Thickness: 1 3/4" - 2"
- Backset: 2 3/4"
- Cylinder: Schlage "C" keyway
- Keying: Schlage 6 pin keyed
- Key: 2 six pin Nickel Plated
- Functions: See below
- Latch: 1/2" projection Stainless Steel
- Face: 1 1/8" x 2 1/4" (Optional 3 hour UL R14879)
- Bore: 2 1/8" hole retrofits all cylindrical locksets
- Fits 161 Prep doors
- Strike: ANSI 1 1/4" x 4 7/8" strike
- Non-handed / reversible
- Warranty: Lifetime mechanical. 10 year finish.
- Finish: US3, US26D

OPTIONS

- IC - Small format Figure 8
Interchangeable Core NOT included
- DL-DLUL238 - 2 3/8" backset, UL Deadlatch
- DL-SLUL238 - 2 3/8" backset, UL Springlatch
- DL-TAO13 - 1 1/8" 2 3/4" "T" Strike
- DL-EXBS5: Extension for 5" backset
- DL-LSV53DB751 - Combo, Single Cylinder
- DL-LSV53DB760 - Combo, Double Cylinder



DOOR PREP

CROSS REFERENCE

FUNCTION	TA	PARKER	CAL-ROYAL	PDQ	SCHLAGE
PASSAGE	DL-SVB10	B9160 N	BA30	SV126	A10S
PRIVACY	DL-SVB40	B9160 P	BA20	SV176	A40S
ENTRANCE	DL-SVB53	B9160 A	BA00	SV116	A53PD
CLASSROOM	DL-SVB70	B9160 R	BA03	SV148	A70PD
STOREROOM	DL-SVB80	B9160 D	BA05	SV115	A80PD
DUMMY	DL-SVBDT	B9160 Y	BA40	SV211	A170

ACCESSORIES



DL-DLUL238 2 3/8"
DL-DLUL234 2 3/4"
Backset Deadlatch



DL-TA013
1 1/4" x 2 3/4"
"T" Strike



DL-TA001
1 1/4" x 4 7/8"
ASA Strike



DL-SLUL238 2 3/8"
DL-SLUL234 2 3/4"
Backset Springlatch



DL-TA020
1 1/4" x 2 1/4" Full
Lip Strike



DL-DX161 FILLER COVER

- 2 3/8" filler plate
- Finishes: US26D



DL-EXB5 5"
BACKSET
EXTENSION

KEYING OPTIONS

(additional charges may apply)

- 2 keys per cylinder
- KD: Keyed Different
- KA: Keyed Alike
- KA2: Keyed Alike; groups of 2
- KEYWAYS: SC6, AR5, KW1

LIGHT DUTY COMMERCIAL CYLINDRICAL LEVER

The GLC Series cylindrical locksets are designed for use on all light duty Grade 3 commercial and residential applications.

The GLC commercial lever is ADA compliant.



GLC LEVER



GLC KNOB

CODE COMPLIANCE



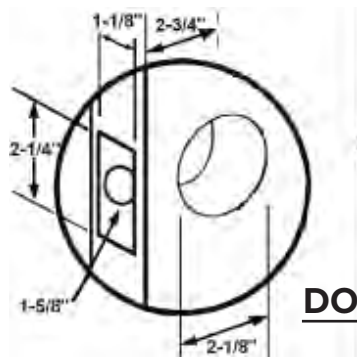
- ANSI A117.1ADA Barrier-free Accessibility (GAL LEVER)
- C-UBC California Uniform Builders Code -2001

FEATURES

- Door Thickness: 1 3/8" - 1 7/8" range
- Backset: 2 3/4"
- Cylinder: Schlage Solid Brass "C" keyway
- Keying: Schlage 5 pin keyed
- Key: 2 five pin Nickel Plated
- Functions: See below
- Construction: Steel, Zinc Dichromated resists corrosion
- Heavy duty spring cage reinforced for lever return
- Latch: 1/2" projection Stainless Steel
- Face: 1 1/8" x 2 1/4" (Optional 3 hour UL R14879)
- Bore: 2 1/8" hole retrofits grade 3 cylindrical locksets
- Fits 161 Prep doors
- Strike: ANSI 1 1/4" x 4 7/8" strike
- Warranty: Lifetime mechanical. 10 year finish.
- Finish: Lever US26D, Knob US26D

OPTIONS

- 2 3/8" backset, Deadlatch
- 2 3/8" backset, Springlatch
- GLA001 - 1 1/8" x 2 3/4" "T" Strike
- DL-EXBS5: Extension for 5" backset



DOOR PREP

ACCESSORIES



GLC085-S2-626
GLC096-S1-626

1" SQ DL 2 3/8", US26D
1 1/8" SQ DL 2 3/4", US26D



GLC068-S2-626
GLC116-S1-626

1" SQ SL 2 3/8", US26D
1 1/8" SQ SL 2 3/4", US26D



GLA026 Square Corner
1 1/4" x 2 1/4"
Full Lip Strike



GLA001
1 1/4" x 2 3/4"
"T" Strike



DL-DX161 FILLER COVER

- 2 3/8" filler plate
- Finishes: US26D



GLA025-626
1 1/4" x 4 7/8"
ASA Strike

KEYING OPTIONS

(additional charges may apply)

- 2 keys per cylinder
- KD: Keyed Different
- KA: Keyed Alike
- KA2: Keyed alike; groups of 2
- KEYWAYS: SC5



FUNCTION	GLOBAL DOOR CONTROLS
PASSAGE	GLC-5110
PRIVACY	GLC-5140
ENTRANCE	GLC-5151
STOREROOM	GLC-5180

RESIDENTIAL TUBULAR LEVERS

The Miro and Contra Levers are tubular steel construction design that exceeds ANSI and BHMA standards. These levers retrofit all residential applications and add great style to any residential unit.



CONTRA LEVER



MIRO LEVER

FEATURES

- Certification: Meets ANSI A156.2 Grade 3
- Door thickness: 1 $\frac{3}{8}$ " - 1 $\frac{7}{8}$ " range
- Adjustable Backset: 2 $\frac{3}{4}$ " - 2 $\frac{3}{8}$ "
- Functions: Privacy, passage and dummy
- Strike: 1 $\frac{1}{8}$ " x 2 $\frac{3}{4}$ " Full lip radius
- Latch: Deadlocking or spring 1" x 2 $\frac{1}{4}$ " radius
- Warranty: 5 years
- Finishes: US15, US10B

ACCESSORIES

LATCHES

All Sterling locksets are supplied with Full-Lip radius corner strikes. Square corner and "T" Strikes are available upon request



DL-TA0020- Full-lip strike square corner



DL-TA0013- "T" Strike

STERLING LEVER

The Sterling GLS Series leversets exceed ANSI and BHMA standards. The Solid Brass cylinder is easy to remove for fast re-keying. Sterling locksets retrofit most residential applications and have added trim selection.



FRANKLIN

FEATURES

- Certification: Meets ANSI A156.2 Grade 3
- Door thickness: 1 $\frac{3}{8}$ " - 1 $\frac{7}{8}$ " range
- Adjustable backset: 2 $\frac{3}{4}$ " - 2 $\frac{3}{8}$ "
- Cylinder: Kwikset Solid Brass 5 pin construction
- keyed Keying: KA6 standard, 2 keys provided
- Functions: Passage, Privacy, Entrance, Dummy
- Strike: 1 $\frac{1}{8}$ " x 2 $\frac{3}{4}$ " full lip radius
- Latch: deadlocking or spring 1" x 2 $\frac{1}{4}$ " radius
- Warranty: 5 years
- Finishes: US3, US23D

COMMERCIAL CYLINDRICAL DEADBOLT

The GLC560 and GLC562 auxiliary deadbolts add style and security to any door. They can be keyed to match any GLC or GAL lockset.

FEATURES

- Certification: UL R26058 Grade 2 ANSI A156.5
- Door Thickness: 1 3/4"
- Adjustable Backset: 2 3/4" - 2 3/8"
- Face Plate: 1 1/8" x 2 1/4" for 2 3/4" bolt
- Rating: UL Rated R26058 for "A" label 3 hour door
- Cylinder: Schlage Solid Brass "C" keyway
- Keyway: Schlage "C" or IC less interchangeable core
- Function: Single and double cylinder
- Keying: Ka4 - Standard
- Trim Ring: Solid security collar reinforced
- Warranty: Lifetime mechanical - 10 year finish
- Finish: US26D
- Bolt: Heavy duty 1" throw Steel reinforced non adjustable

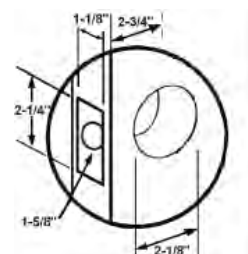


KEYING OPTIONS

- 2 keys per cylinder
- KD: Keyed Different
- KA: Keyed Alike
- KA2: Keyed alike; groups of 2
- KEYWAYS: SC6

OPTIONS

- GLC560UL-IC: interchangeable core single cylinder
- GLC562UL-IC: interchangeable core double cylinder



DOOR PREP

GLS SERIES DEADBOLT

STERLING DEADBOLTS



The Sterling GLS Series auxiliary deadbolts add style and security to any door. They can be keyed to match any Sterling Series knob or lever and are available in matching finishes.

FEATURES

- Certification: Meets ANSI A156.2 Grade 3
- Door thickness: 1 3/8" - 1 7/8" range
- Adjustable Backset: 2 3/4" - 2 3/8"
- Cylinder: Kwikset Solid Brass 5 pin
- Keying: KA6 standard, 2 keys provided
- Functions: Single and double cylinder, and one-sided deadbolt
- Strike: 1 1/8" x 2 3/4" Full lip radius
- Bolt: 1" throw Steel reinforced radius
- Warranty: 5 years
- Finishes: US3, US26D

COMMERCIAL CYLINDRICAL DEADBOLT

The DB700 Series deadbolts are designed for use on all light to heavy duty commercial applications and add style and security to any door. They can be keyed to match any LHV or LSV lockset.



FEATURES

- Certification: ANSI A156.5
- Door Thickness: 1 3/4"
- UL R14897 adjustable backset: 2 3/4" - 2 3/8"
- Full 1" throw deadbolts
- Cylinder: Schlage "C" keyway
- Keying: Schlage 6 pin keypad
- Key: 2 six pin Nickel Plated
- Strike: 1 1/8" x 2 3/4" strike
- Non-handed / reversible
- DL-DB751: Single cylinder
- DL-DB760: Double cylinder
- Finish matches LHV and LSV Series
- Warranty: 1year
- Finishes: US3, US26D

ACCESSORIES



DL-TA018
1 1/4" x 4 7/8"
ASA Deadbolt Strike



DL-TA019
1 1/8" x 1 1/4"
Deadbolt
strike



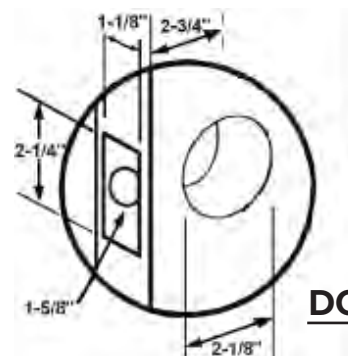
DL-DX161 FILLER COVER

- 2 3/8" filler plate
- Finish: US26D

KEYING OPTIONS

(additional charges may apply)

- 2 keys per deadbolt
- KD: Keyed Different
- KA: Keyed Alike
- KA2: Keyed Alike; groups of 2
- KEYWAYS: SC6



DOOR PREP

RESIDENTIAL TUBULAR DEADBOLT

The DB200 Series deadbolts are designed for use on residential applications and add style and security to any door. They can be keyed to match any HVB, SVB or ECB lockset.



FEATURES

- Door Thickness: 1 $\frac{3}{4}$ " - 1 $\frac{7}{8}$ "
- Adjustable Backset: 2 $\frac{3}{4}$ " - 2 $\frac{3}{8}$ "
- Bore: 1 $\frac{1}{8}$ " residential
- Full 1" throw deadbolts
- Cylinder: Schlage "C" keyway
- Keying: Schlage 6 pin keyed
- Key: 2 six pin Nickel Plated
- Strike: 1 $\frac{1}{8}$ " x 2 $\frac{3}{4}$ " strike
- Non-handed / reversible
- DL-DB251: Single cylinder
- DL-DB260: Double cylinder
- Finish matches HVB, SVB and ECB Series
- Warranty: 1 year
- Finishes: US3, US32D

KEYING OPTIONS

(additional charges may apply)

- 2 keys per deadbolt
- KD: Keyed Different
- KA: Keyed Alike
- KA2: Keyed Alike; groups of 2
- KEYWAYS: SC6



ACCESSORIES



DL-TA018
1 $\frac{1}{4}$ " x 4 $\frac{7}{8}$ "
ASA Deadbolt Strike



DL-TA019
1 $\frac{1}{8}$ " x 1 $\frac{1}{4}$ "
Deadbolt
strike



DL-DX161 FILLER COVER

- 2 $\frac{3}{8}$ " filler plate
- Finish: US26D

CYLINDERS

MORTISE CYLINDERS



Mortise Cylin



Thumbturn Cyli



Dummy Cylinder

Part	Description	Keyways	Keyed	Finishes	Packed
DL-CYLTA550	1" Solid Brass Mortise Cylinder	Schlage	KD, KA, KA2	US3 US26D	50/case
DL-CYLTA555	1" Solid Zinc Mortise Cylinder	Schlage	KD, KA, KA2	US3 US26D	50/case
DL-CYLTA560	1" Solid Brass Mortise Cylinder	Schlage	KD, KA, KA2	US3 US26D	50/case
DL-CYLTA580	1¼" Solid Brass Mortise Cylinder	Schlage	KD, KA, KA2	US3 US26D	50/case
DL-CYLT570	1" Solid Brass Mortise Thumbturn Cylinder			US3 US26D	50/case
DL-CYLTA577	1" Solid Zinc Mortise Thumbturn Cylinder			US3 US26D	50/case
DL-CYLTA595	1" Solid Brass Mortise Dummy Cylinder			US3 US26D	50/case

KEYING OPTIONS

- 2 keys per cylinder
- KD: Keyed Different
- KA: Keyed Alike
- KA2: Keyed Alike; groups of 2

UNIVERSAL CYLINDERS

FOR TRANS ATLANTIC LOCKSETS

- **DL-LC50** : Fits LHV, HVB, LSV, SVB locks
- **DL-LC53** : Fits ECB locks
- **DL-DC50** : Fits DB751, DB251



- 2 keys per cylinder 1 short, 1 long tailpiece

MORTISE CYLINDER GUARD RINGS

- For use with mortise cylinders
- Finishes: AL, DU, US3, US26D



DL-HSTMCR
Anti-wrench
Cylinder Guard



DL-NFSB
Cylinder Space
Ring 1⅝" x ¼"



DL-FSB
1¾" Standard
Cylinder Ring



DL-SBNRCR
Non-recessed
⅜" solid
extruded


LIGHT DUTY CYLINDRICAL KNOB

The ECB Series cylindrical knobsets are designed for use on light duty Grade 3 residential applications.



FEATURES

- Certification: ANSI A156.5
- Door Thickness: 1 3/4" - 1 7/8"
- Adjustable Backset : 2 3/4" - 2 3/8" face 1" x 2 1/4"
- Shim Filler for 1" latch to 1 1/8" prep
- Cylinder: Schlage "C" keyway
- Keying: Schlage 5 pin keyed
- Key: 2 five pin Nickel Plated
- Functions: See below
- Bore: 2 1/8" hole retrofits all cylindrical locksets
- Fits 161 Prep doors
- Comes with standard "T" Strike
- Non-handed / reversible
- Warranty: 1 year
- Finishes: US3, US32D

FUNCTION	
PASSAGE	DL-ECB10
PRIVACY	DL-ECB40
ENTRANCE	DL-ECB53
CLASSROOM	DL-ECB70
STOREROOM	DL-ECB80
DUMMY	DL-ECBDT

OPTIONS

- DL-TA001 - 1 1/4" x 4 7/8" ANSI Strike
- DL-EXBS5: Extension for 5" backset

KEYING OPTIONS

(additional charges may apply)

- 2 keys per cylinder
- KD: Keyed Different
- KA: Keyed Alike
- KA2: Keyed Alike; groups of 2
- KEYWAYS: SC5, SC6, AR5, KW1

ACCESSORIES



DL-TA001
1 1/4" x 4 7/8"
ASA Strike



DL-TA013
1 1/4" x 2 3/4"
"T" Strike



DL-TA020
1 1/4" x 2 1/4" Full
Lip Strike

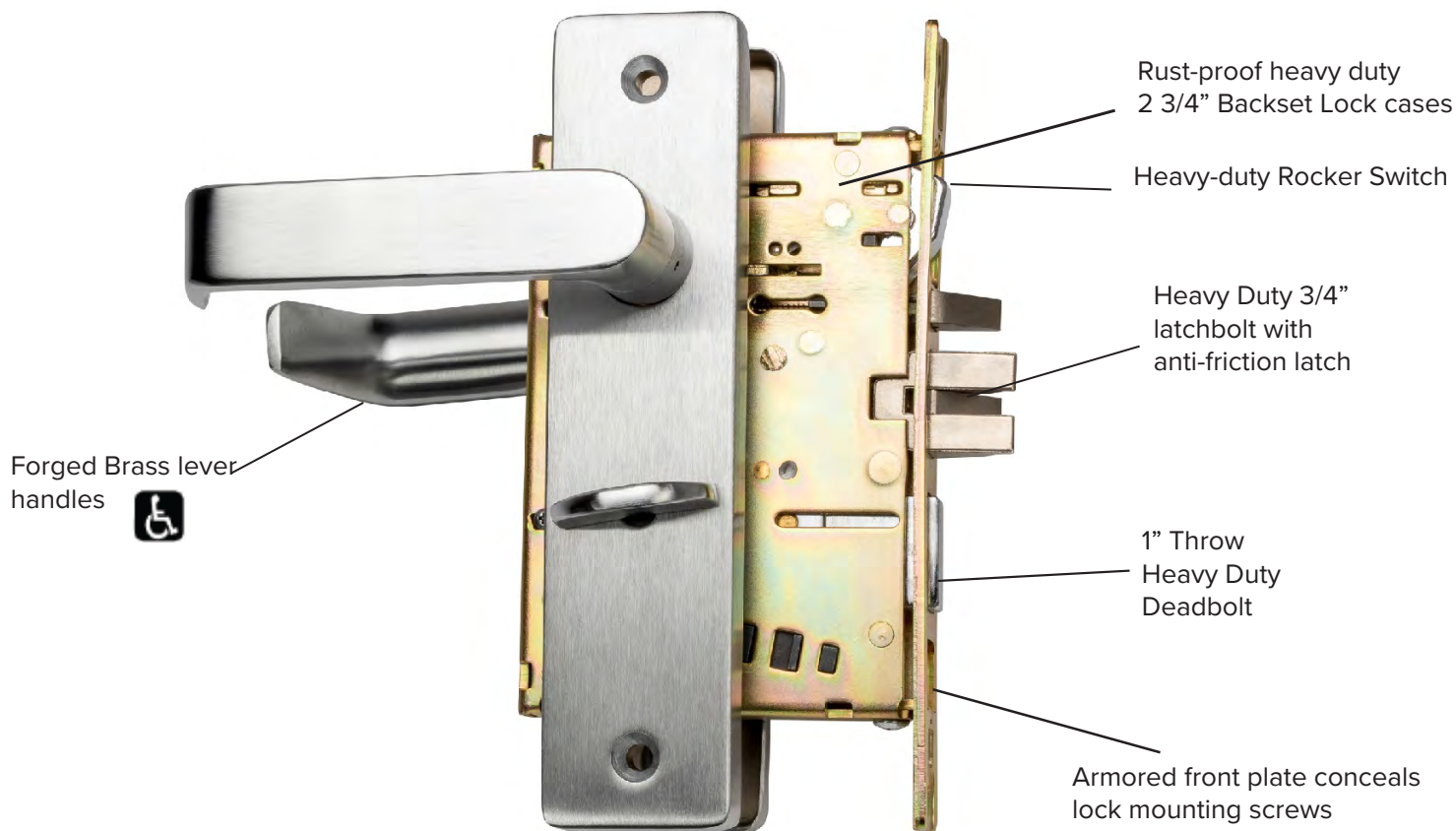


DL-DX161 FILLER COVER

- 2 3/8" filler plate
- Finishes: US26D

HEAVY DUTY COMMERCIAL MORTISE LOCK

The DXML mortise lockset is designed for heavy duty commercial and industrial applications. This series meets ADA handicap compliance and meets a 3 hour UL R15846 fire rating.



DL-SS
Sectional

CODE COMPLIANCE



- ANSI A156.2 Grade1, UL10C and UBC 7.2 for positive pressure
- ANSI A117.1ADA Barrier-free Accessibility
- C-UBC California Uniform Builders Code -2001
- NFPA-80 National Fire Protection -1999
- NFPA-101 National Fire Protection - Life Safety-2000



DL-SE
Escutcheon

FEATURES

- Door Thickness: 1 ¾"
- Backset: 2 ¾"
- Faceplate: 1 ¼" x 8" - Rosette: 2 ½"
- UL R15846 3 hour fire rated latch
- 1" throw bolt
- 1 " Mortise Cylinder
- SC6 Schlage "C" 6 pin keyway
- Sectional (SS) and Escutcheon (SE) trim available
- Levers are ADA compliant
- Handed (must specify LH or RH). Field reversible
- Functions: See below
- Warranty: 3 years
- Finish: US26D

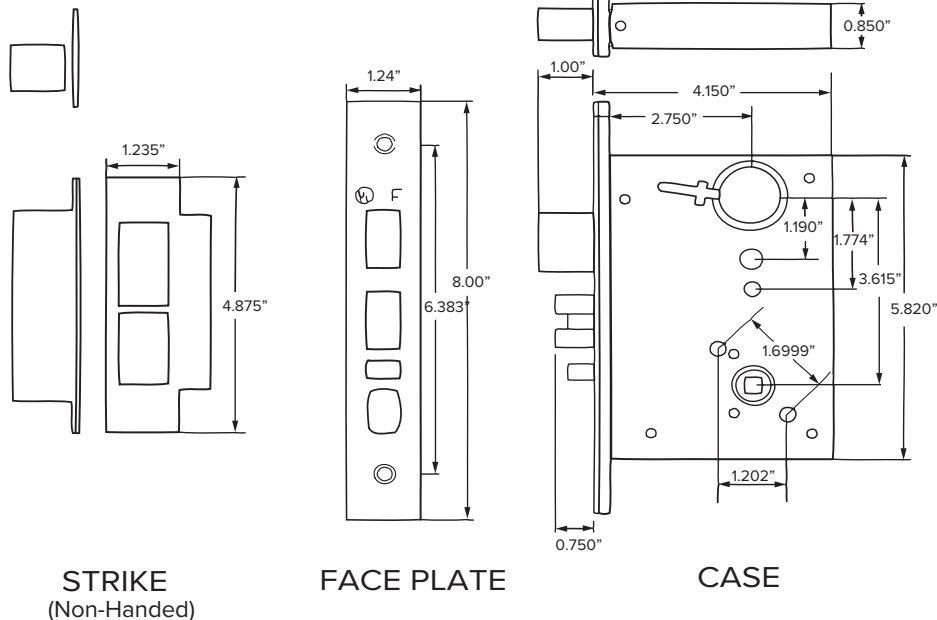
TRIM SPECIFICATIONS

- Heavy duty commercial; Grade 1
- DL-SS: Sectional leverset with rosette, Solid Brass
- DL-SE: Escutcheon handleset, rectangular plate, Solid Brass




MEETS ADA REQUIREMENTS

DIMENSIONS



CROSS REFERENCE

FUNCTION	ANSI NO		ARROW B Series	CORBIN/ RUSSWIN ML2200	SARGENT 7700/8100	SCHLAGE L Series	PDQ Series 1000	YALE
Passage	F01	DXML10	B01	ML2210	13	L9010	126	8701
Privacy	F22	DXML40	B02	ML2220	65	L9040	176	8702
Entrance	F12	DXML53	B11	ML2267	45	L9453	156	8747
Classroom	F05	DXML70	B17	ML2255	37	L9070	148	8708
Storeroom	F07	DXML80	B12	ML2257	4	L9080	115	8705

ML800 SERIES



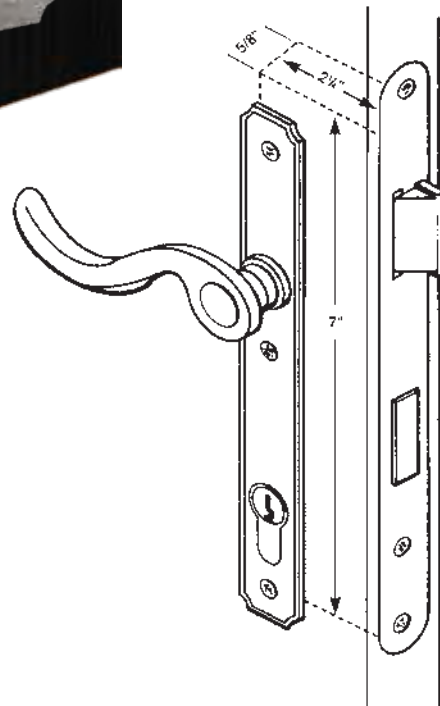
HEAVY DUTY SOLID BRASS MORTISE LOCK

The ML800 Mortise lock adds style and security for mortise applications and “Atrium” style doors.



FEATURES

- Solid Brass Mortise lockset
- Field reversible latchbolt and levers
- Solid Brass escutcheons
- Door Thickness: $1\frac{3}{8}$ " - $1\frac{7}{8}$ "
- Backset: $1\frac{3}{4}$ " narrow stile
- Faceplate: $1\frac{3}{16}$ " x $1\frac{7}{8}$ " Solid Brass
- Cylinder: Schlage “C” keyway
- Function: Entry with thumbturn for unlocking and locking.
- Strike: Standard ASA strike
- Finishes: US3, US15, US26, US10B



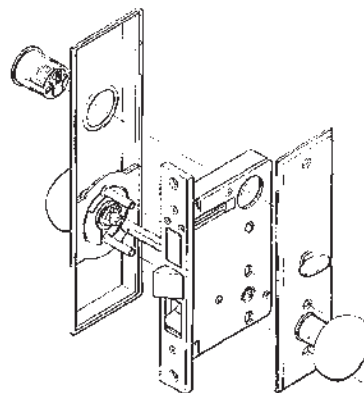
ML900 SERIES

MORTISE LOCK WITH KNOB ESCUTCHEON

The ML914 and ML920 Mortise locks add security and style to any mortise prepped door. The ML914 features a floating spindle and the ML920 features a threaded spindle.

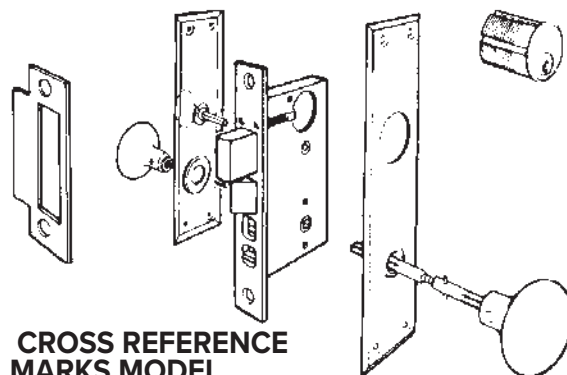


Model ML914



**CROSS
REFERENCE
MARKS MODEL
#9140**

Solid Brass regular knobs - 2 1/4" diameter with floating spindle and thru-bolted escutcheons **Model ML920**



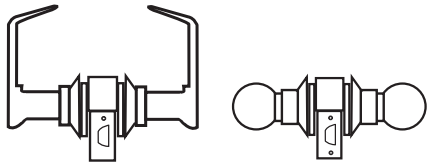
**CROSS REFERENCE
MARKS MODEL
#9200**

Solid Brass regular knobs - 2 1/4" diameter with threaded spindle

FEATURES

- Solid Brass Mortise lockset with reversible latchbolt
- DL-ML914: Spindle fixed to escutcheons
- DL-ML920: Loose threaded spindle
- Full 1" throw Chrome Plated heavy duty deadbolt
- Solid Brass knobs and escutcheon plates
- Door Thickness: 1 3/4" standard
- Backset: 2 1/2"
- Exterior plate: 2 3/4" x 10" Solid Brass
- Face Plate: 1 1/16" x 7 5/8"
- Cylinder: Schlage "C" keyway
- Keying: 5 Pin tumbler
- Strike: Standard ASA strike
- Finish: US3

FUNCTIONS

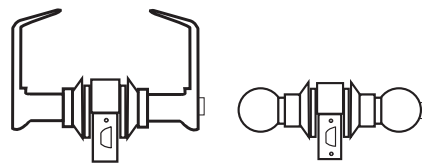


10 PASSAGE F75

Lockset for interior door applications. Both levers / knobs are free.

LHV, LSV, HVB, SVB, ECB

GAL, GLC

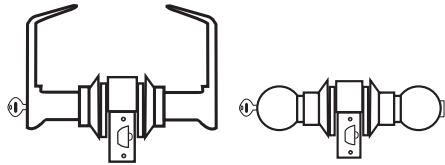


40 PRIVACY F76

Lockset for interior applications. Push button locking from interior. Lock can be opened by rotating interior lever or knob. Safety unlocks for emergencies.

LHV, LSV, HVB, SVB, ECB

GAL, GLC

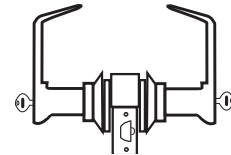


53 ENTRY F109

Lockset for interior / exterior applications. Pushing button creates privacy function, turning thumbpiece creates storeroom function. Opens with key.

LHV, LSV, HVB, SVB, ECB

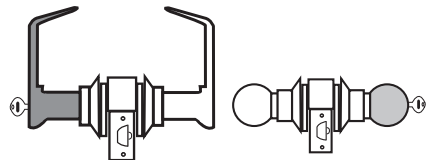
GAL, GLC



60 DOUBLE CYLINDER

Key in lever locks or unlocks from both sides. Sides are independent of each other.

LSV

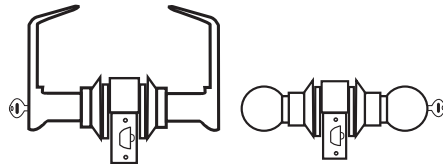


80 STOREROOM F86

Outside lever is always locked. Key must be used to open. Used for secured areas.

LHV, LSV, HVB, SVB, ECB

GAL, GLC

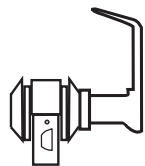


70 CLASSROOM F84

Exterior lever locked or unlocked by key. Interior lever always allows egress.

LHV, LSV, HVB, SVB, ECB

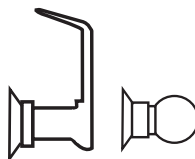
GAL



20 EXIT

Blank plate on outside. Interior lever always free.

LSV



DT DUMMY

Dummy trim for one side of door, no latch.

LSV, SVB, ECB

GAL

SPECIFICATIONS

GLOBAL DOOR LOCK SPECIFICATIONS

SERIES	FUNCTION	TRIM	FEATURE	FINISH
GAL	1151	L	R	-
<ul style="list-style-type: none"> GAL GLC GLS 	<ul style="list-style-type: none"> Passage 1110 Privacy 1140 Entrance 1151 Classroom 1170 Storeroom 1180 Dummy 170 	<ul style="list-style-type: none"> L - Lever B - Ball Knob 	<ul style="list-style-type: none"> Removable Thru-Bolt IC Core 	<ul style="list-style-type: none"> 626: Brushed Chrome 630: Brushed Stainless Steel 605: Polished Brass

- Must specify if $\frac{2\frac{3}{8}}$ " backset desired.

TRANS-ATLANTIC LOCK SPECIFICATIONS

SERIES	FUNCTION	FEATURE	FINISH
DL-LHV	53	CL	US26D
<ul style="list-style-type: none"> DL-LHV DL-HVB DL-LSV DL-SVB DL-ECB 	<ul style="list-style-type: none"> Passage 10 Privacy 40 Entrance 53 Classroom 70 Storeroom 80 Dummy DT 	<ul style="list-style-type: none"> Clutch IC Core 	<ul style="list-style-type: none"> US3: Polished Brass US10B: Oil Rubbed Bronze US26D: Brushed Chrome US32D: Brushed Stainless Steel

- Must specify keying preferences and keyway.
- Must specify if $\frac{2\frac{3}{8}}$ " backset desired (except for ECB Series)

Certification Reference

FEDERAL- Meets FF-H-106C

POSITIVE PRESSURE- Meets UL 10C and UBC 7-2 (1997)

ADA- All levers conform to A117.1 Barrier Free Accessibility Code

ANSI/BHMA- Meets ANSI A156.4 Series 4000 -Grade 2 - Strength and Operational

UL-ULC- All locks listed for A Label single doors 4' x 8', the letter F and UL symbol on latch front indicate listing

CALIFORNIA CODE- Levers with returns conform to administrative code title 19, levers return to within $\frac{1}{2}$ " of door face

EXIT DEVICES

Rim Surface

Grade 1 ED500 Series.....28

Grade 2 EDTBAR Series.....30

Crash Bar

Grade 2 ED300 Series.....32

Narrow Stile

Grade 2 STED Series.....34

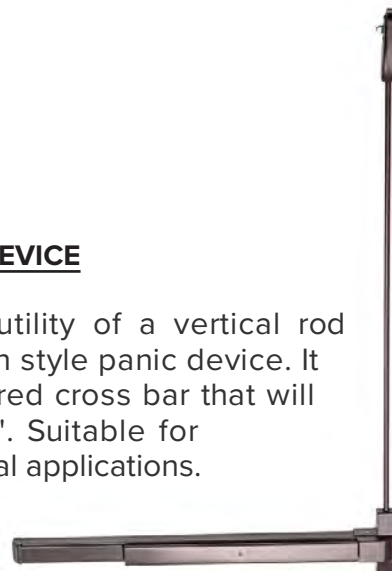
ED-501 **RIM SURFACE EXIT DEVICE**

The 501 Series "rim type" exit device is suitable for doors (hollow metal, or wood) where there is no projection on the surface. It is appropriate for heavy duty commercial and industrial applications. Fits doors 26" to 36" and XL for 48" and is non-handed and reversible



ED-VR531 **SURFACE VERTICAL ROD EXIT DEVICE**

The VR531 Series panic device blends the utility of a vertical rod application with the appearance of a modern style panic device. It is non-handed and reversible with a contoured cross bar that will fit doors 26" to 36" and XL for 48". Suitable for heavy duty commercial and industrial applications.



CODE COMPLIANCE



- UL Listed SA32524 ANSI A156.2 Grade1, UL10C and UBC 7.2 for positive pressure
- ANSI A117.1ADA Barrier-free Accessibility
- C-UBC California Uniform Builders Code-2001
- NFPA-80 National Fire Protection -1999
- NFPA-101 National Fire Protection - Life Safety-2000

ED-501

RIM SURFACE EXIT DEVICE

FEATURES

- UL Listed SA32524 ANSI A156.3 Grade 1
- **ED-F501:** UL10C fire rated; barrier free 🔥
- Non-handed / reversible
- EAK500: Alarm kit
- Door width: 26" to 36"
- Available in XL: up to 48"
- Projection: 2 1/4"
- Door thickness: 1 3/4" up to 2"
- Stile: 3" minimum
- Comes with standard strike and shim
- Dogging standard on non-fire rated
- Warranty: 1 year
- Plastic end cap
- Can be cut down to 26" in length
- Finishes: AL, DU, US32D, US3

ED-VR531

VERTICAL ROD EXIT DEVICE

FEATURES

- UL Listed SA32524 ANSI A156.3 Grade 1
- **EDFVR531:** UL10C fire rated; barrier free 🔥
- Door width: 26" to 36"
- Available in XL: up to 48"
- EAK500: Alarm kit
- Projection: 2 1/4"
- Door thickness: 1 3/4" up to 2"
- Comes with standard strike and shim
- Door height: 7'
- 12" extension rod available - **ED-ROD12**
- Dogging standard on non-fire rated
- Warranty: 1 year
- Plastic end cap
- Can be cut down to 26" in length
- Spring loaded latches
- Finishes: AL, DU, US32D, US3

CROSS REFERENCE

ANSI GRADE	MATERIAL	TACO	INTERN	TELL	S.PARKER	CRL
A156.3- Grade 1	Steel	ED-501	55105	8300	VL520	NA
A156.3- Grade 1	Steel	ED-F501 🔥	5510F	F8300	52024	NA
A156.3- Grade 1	Steel	ED-VR531	55305	8400	520V	NA
A156.3- Grade 1	Steel	ED-FVR531 🔥	5530F	F8400	5203V	NA

EXIT DEVICE ACCESSORIES



ED-BKL500 - Ball Knob
ED-LHL500 - Lever
Entry (Lever available in IC)

ED-BKL580 - Ball Knob
ED-LHL580 - Lever Storeroom
(Lever available in IC)

ED-BKL510 - Ball Knob
ED-LHL510 - Lever
Passage

ED-MP803 - Trim Mounting Plate
(included with trim)

ED-KITR - Roller Strike and Shim



ED-RC051
Rim
Cylinder



ED-PP05501
Pull Plate w/
hole



ED-PP06501
Pull Plate



ED-P08
Pull Handle



ED-EAK500
Alarm Kit



ED-SB1024
1 3/4" Thru Bolts
(sold as each)



ED-SF1
Strike Filler



ED-LF1
Latch Filler



ED-PS09
Overlapping
Strike

TH1100EDTBAR **RIM SURFACE EXIT DEVICE**

The TH1100EDTBAR Series “touch bar” style exit devices are suitable for doors (hollow metal or wood) where there is no projection on the surface. Manufactured of extruded Anodized Aluminum, the TH1100EDTBAR is durable enough for demanding applications and is non-handed and reversible.



TH1100EDSV **SURFACE VERTICAL ROD EXIT DEVICE**

The TH1100EDSV Surface Vertical Rod device is the perfect choice for double doors without mullions. They are ideal for new construction or renovations and are non-handed and reversible.

CODE COMPLIANCE



- UL Listed SA32524 ANSI A156.2 Grade2, UL10C and UBC 7.2 for positive pressure
- ANSI A117.1ADA Barrier-free Accessibility
- C-UBC California Uniform Builders Code -2001
- NFPA-80 National Fire Protection -1999
- NFPA-101 National Fire Protection - Life Safety-2000

TH1100EDT BAR RIM SURFACE EXIT DEVICE

FEATURES

- UL Listed SA32524 ANSI A156.3 Grade 2
- Material: Extruded Anodized Aluminum push bar
- Stainless Steel springs
- Latch: Stainless Steel, $\frac{3}{4}$ " throw - $\frac{5}{8}$ " deadlatch
- Backset: $2\frac{3}{4}$ " Covers 161 prep
- Strike: Surface mounted for $\frac{5}{8}$ " stop with shim
- Projection: $2\frac{1}{2}$ " - $1\frac{7}{8}$ " dogged
- Stile: $4\frac{1}{4}$ " minimum
- Non-handed / reversible
- Door Thickness: $1\frac{3}{4}$ " up to 2"
- Door Width: 36", can be field sized to 30" (48" available)
- Mounting Height: Recommended installation at 41" from finished floor to center line of push rail
- Fasteners: Furnished with sheet metal and machine screws
- Cylinder: Accepts key trim cylinders with flat tail piece
- Dogging: $\frac{1}{2}$ turn $\frac{5}{32}$ " hex key
- UL Listed R25621 Fire Rated: Available - please specify 🔥
- Finishes: AL, DU, US32D

TH1100EDSV SURFACE VERTICAL ROD EXIT DEVICE

FEATURES

- Material: Extruded Anodized Aluminum push bar
- Stainless Steel springs
- Latch: Top pullman type, bottom bolt assembly
- Backset: $2\frac{3}{4}$ " on $4\frac{1}{2}$ " minimum stile width - if less than $4\frac{1}{2}$ " backset becomes half of the exposed stile width
- Strike: Top - surface mounted, Bottom - flat mortise or into threshold, vertical/rim application use DBLST double door strike
- Projection: $2\frac{1}{2}$ " - $1\frac{7}{8}$ " dogged
- Stile: $4\frac{1}{2}$ " minimum
- Non-handed / reversible
- Door Thickness: $1\frac{3}{4}$ " standard
- Door Width: 36", can be field sized to 30"
- Mounting Height: Recommended installation at 41" from finished floor to center line of push rail
- Fasteners: Furnished with sheet metal and machine screws
- Cylinder: Accepts key trim with flat tail piece
- Dogging: $\frac{1}{2}$ turn $\frac{5}{32}$ " hex key
- UL Listed R25621 Fire Rated: Available - please specify 🔥
- Finishes: AL, DU, US32D

EXIT DEVICE ACCESSORIES



ED-BKL500 - Ball Knob
ED-LHL500 - Lever
Entry

ED-BKL580 - Ball Knob
ED-LHL580 - Lever
Storeroom

ED-BKL510 - Ball Knob
ED-LHL510 - Lever
Passage



TH1100-RC
Rim
Cylinder



TH1100-DUMED
Dummy Handleset



ED-PP05-AL
Pull Plate w/ hole



TH1100-NLED Night
Latch Handleset



ED-PP06-AL
Dummy Pull
Plate



TH1100-TPED
Thumbpiece Entry
Handleset

TH1100-EXTROD - 12" Extension Rod for TH1100EDSV

ED-301

CRASH BAR EXIT DEVICE

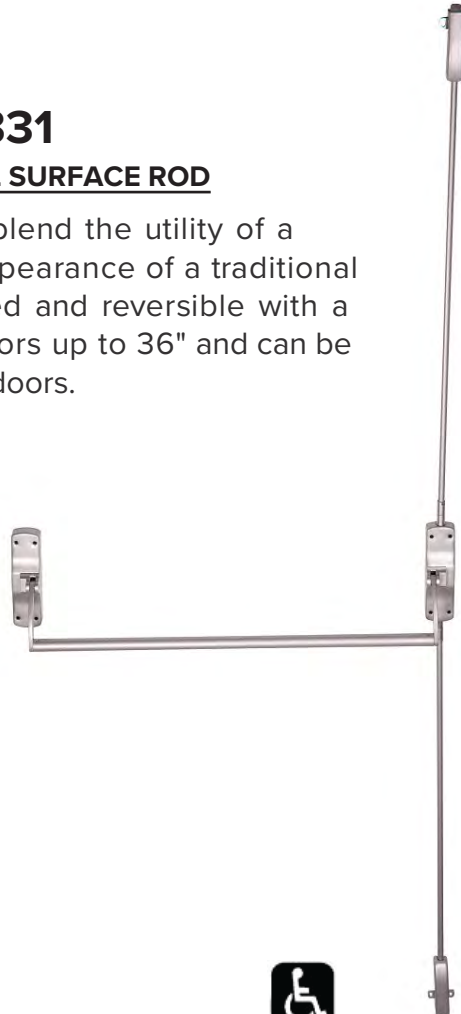
The 301 Series "crash bar" exit devices are suitable for wide stile aluminum, wood and hollow metal doors. It is designed for heavy duty commercial and industrial applications. It is non-handed and reversible with a contoured cross bar that will fit doors up to 36" and can be field sized to accommodate smaller doors.



ED-VR331

CRASH BAR VERTICAL SURFACE ROD

The VR331 Series panic devices blend the utility of a vertical rod application with the appearance of a traditional "crash bar" device. It is non-handed and reversible with a contoured cross bar that will fit doors up to 36" and can be field sized to accommodate smaller doors.



CODE COMPLIANCE



- ANSI A156.2 Grade 2
- ANSI A117.1ADA Barrier-free Accessibility
- C-UBC California Uniform Builders Code -2001



ED-301

CRASH BAR EXIT DEVICE

FEATURES

- ANSI A156.3 Grade 2
- Contoured Aluminum
- Stainless Steel springs
- Latch Case: 1¼" x 7¼" with ½" throw
- Backset: 1 5/32"
- Strike: Rim mounted roller strike with shim
- Projection: 4½"
- Stile: 2" minimum
- Non-handed / reversible
- Door thickness: 1¾" standard
- Door width: Up to 36"
- Optional replacement bar for doors 48"
- Fasteners: Furnished with sheet metal, machine screws and shoulder mounting studs with set screws.
- Thumbturn dogging
- Warranty: 1 year
- Finishes: AL, DU

ED-VR331

CRASH BAR VERTICAL SURFACE ROD

FEATURES

- ANSI A156.3 Grade 2
- Contoured Aluminum
- Interlocking top and pullman bottom latch
- Non-handed / reversible
- Door thickness: 1¾" standard
- Door width: Up to 36"
- Optional replacement bar for doors 48"
- Door height: Up to 7'
- Fasteners: Furnished with sheet metal, machine screws and shoulder mounting studs with set screws.
- 12" extension rod available - ED-ROD331
- Warranty: 1 year
- Finishes: AL, DU

EXIT DEVICE ACCESSORIES



ED-BKL500 - Ball Knob
ED-LHL500 - Lever
Entry (Lever available in IC)

ED-BKL580 - Ball Knob
ED-LHL580 - Lever Storeroom
(Lever available in IC)

ED-BKL510 - Ball Knob
ED-LHL510 - Lever
Passage

ED-MP803 - Trim Mounting Plate
(included with trim)

ED-KITR - Roller Strike and Shim
(included with device)



ED-RC051
Rim
Cylinder



ED-PP05
Pull Plate w/
hole



ED-PP06
Pull Plate



ED-P08
Pull Handle



ED-EAK500
Alarm Kit



ED-SB1024
1¾" Thru Bolts
(sold as each)



ED-SF1
Strike Filler



ED-LF1
Latch Filler



ED-PS08
Overlapping
Strike

TH1100-STED

RIM SURFACE NARROW STILE EXIT DEVICE

The TH1100-STED Series narrow stile “rim type” exit devices are suitable for all doors (aluminum, hollow metal or wood) where there is no projection on the surface. Manufactured of extruded Anodized Aluminum, and is durable enough for most demanding applications. **A rim cylinder is included.**



TH1100-STEDCVR

CONCEALED VERTICAL ROD NARROW STILE EXIT DEVICE

The TH1100-STEDCVR narrow stile “Concealed Vertical Rod” exit devices are suitable for aluminum doors where there is no projection on the surface. Manufactured of extruded Anodized Aluminum and is durable enough for most demanding applications. **Mortise cylinder and a cylinder mounting pad with locking ring are included.**



CODE COMPLIANCE



- UL Listed SA10672
- ANSI A156.2 Grade2, UL10C and UBC 7.2 for positive pressure
- ANSI A117.1ADA Barrier-free Accessibility
- C-UBC California Uniform Builders Code -2001



TH1100-STED RIM SURFACE NARROW STILE EXIT DEVICE

FEATURES

- ANSI A156.3 Grade 2
- Narrow stile
- Includes rim cylinder
- UL Listed SA10672 - Panic hardware
- Requires a 2" mounting surface for typical use with narrow, medium and wide stile Aluminum, hollow metal or wood doors.
- Non-handed / reversible
- Latch bolt throw 5/8"
- Dogging: Dogging by Hex key in touch bar
- Outside unlatching with standard rim cylinder
- Door Width: Standard units for 36" and 48" door widths (can be field sized)
- Can be used on 30" wide doors
- Finishes: AL, DU

TH1100-STEDCVR CONCEALED VERTICAL ROD NARROW STILE EXIT DEVICE

FEATURES

- ANSI A156.3 Grade 2
- Narrow stile
- Includes mortise cylinder and cylinder mounting pad with locking ring
- UL Listed SA10672 - Panic hardware
- For use with narrow, medium and wide stile Aluminum doors.
- Non-handed / reversible
- Dogging: Outside unlatching and dogging by cylinder key or dogging by Hex key in touch bar.
- Top Steel toggle latch and bottom Steel rod latch bolt
- Unit uses standard TH1100-BC mortise cylinder
- Mounting pad and locking ring
- Door Width: Standard units for 36" and 48" door widths (can be field sized)
- Door Height: up to 7'
- Can be used on 30" wide doors.
- Finishes: AL, DU

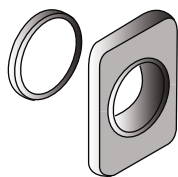
CROSS REFERENCE

ANSI GRADE	MATERIAL	GLOBAL	INTERN	TELL	S.PARKER	CRL
A156.3- Grade 2	Steel	TH1100-STED	56105	NA	NA	35A
A156.3- Grade 2	Steel	TH1100-STEDCVR	NA	NA	NA	3347A

EXIT DEVICE ACCESSORIES



TH1100-BC
Cylinder



TH1100-CVRPAD Mortise
Cylinder Mounted Pad
w/ Locking Ring



TH1100-RC
Rim Cylinder



TH1100-STED-PULL
TH1100-STED-PULL-9
Pull Handle

CLOSERS

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Size Chart

Size Chart.....	55
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GRADE 3 FIXED SPRING ECONOMY STREAMLINE CLOSER

The TC2200 is our most economically priced streamline closer. It is recommended for use on aluminum store front, wooden or hollow metal doors. The TC2200 is a versatile utility closer that provides narrow styling and has a full selection of accessories to accommodate the requirements of any application.

Available in spring sizes 2 - 5.



FEATURES

- **TC2200** Grade 3 certified, ANSI/BHMA A156.4
- UL Listed R7483
- Aluminum Alloy body
- Non-handed / reversible
- Spring size closers # 2, 3, 4, 5 (backcheck optional 3-5)
- Sized closers 2-5
- Three independent valves control sweep, latch closing speeds and backcheck
- Packed for standard and top jamb mounting
- Supplied with both wood and machine screws
- 10 year warranty
- Finish: AL, DU

OPTIONS

- Backcheck - BC
- Parallel Arm Mount - PA
- Hold Open Arm - HOA
- Hold Open Parallel Arm Mount - HOPAB-1245 (order separately)

ACCESSORIES - See Page 45

Model #	Body Length	CTC Hole Pattern
TC 2202	8 $\frac{1}{8}$ "	7 $\frac{3}{8}$ " x $\frac{3}{4}$ "
TC 2203	8 $\frac{7}{8}$ "	8 $\frac{3}{16}$ " x $\frac{3}{4}$ "
All others	9 $\frac{7}{8}$ "	9 $\frac{1}{16}$ " x $\frac{3}{4}$ "

CROSS REFERENCE

TC2200	LCN	NORTON	DORMA	DOR-O-MATIC FALCON	RIXSON	SARGENT	YALE	CORBIN- RUSSWIN	ARROW
	NA	9300	644	SC90	NA	NA	2300BC	NA	NA
	CAL-ROYAL	INTERNATIONAL	JACKSON	RYOBI	SENTINEL	S. PARKER	TACO	TAYMOR	CRL
	700	90/680/780 850/880/980 750/8050	S225-255	D-1550	S52/S55/S70	NA	DX50/DX90	600	DC52-5

GRADE 1

TC2201ADA SERIES

GRADE 1 STREAMLINE CLOSER

The TC2201ADA looks the same as the TC2200 and is ADA compliant. Meets ANSI/BHMA A156.4 Grade 1 requirements. It offers adjustable spring power sizes 1- 4 for use on interior doors requiring less than 5lbs. of opening force and exterior doors requiring less than 8.5 lbs.



FEATURES

- **TC2201 ADA** Meets ADA, ANSI/BHMA A156.4 Grade 1 requirements
- UL Listed R7483
- Aluminum Alloy body
- Non-handed / reversible
- Three independent valves control sweep, latch closing speeds and backcheck
- Packed for standard and top jamb mounting
- Supplied with both wood and machine screws
- 10 year warranty
- Finish: AL, DU, US3

OPTIONS

- Backcheck - BC
- Parallel Arm Mount - PA
- Hold Open Arm - HOA
- Hold Open Parallel Arm Bracket - HOPAB-1245 (order separately)

ACCESSORIES - See Page 43

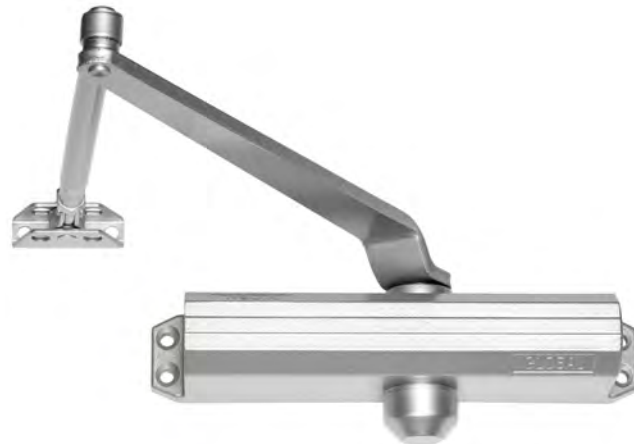
Model #	Body Length	CTC Hole Pattern
TC 2202	8 1/8"	7 3/8" x 3/4"
TC 2203	8 7/8"	8 3/16" x 3/4"
All others	9 7/8"	9 1/16" x 3/4"

CROSS REFERENCE

TC2200	LCN	NORTON	DORMA	DOR-O-MATIC FALCON	RIXSON	SARGENT	YALE	CORBIN- RUSSWIN	ARROW
	NA	9300	644	SC90	NA	NA	2300BC	NA	NA
	CAL-ROYAL	INTERNATIONAL	JACKSON	RYOBI	SENTINEL	S. PARKER	TACO	TAYMOR	CRL
	700	90/680/780 850/880/980 750/8050	S225-255	D-1550	S52/S55/S70	NA	DX50/DX90	600	DC52-5

STANDARD STREAMLINE CLOSER

The TC200 Series is our most versatile closer that provides narrow styling and has a full selection of accessories to accommodate the requirements of any field application. It is recommended for use on aluminum storefront, wooden or hollow metal commercial doors. In this series, we offer fixed spring sizes 2-5. Our TC201ADA model offers adjustable spring power sizes 1-4 for use on interior doors requiring less than 5 lbs. of opening force and exterior doors requiring less than 8.5 lbs. and is ADA compliant. All models will retrofit most full size closers with a 9 1/16" industry standard hole pattern.



FEATURES

- Grade 1 certified, ANSI/BHMA A156.4
- UL Listed R7483
- Aluminum Alloy body
- Non-handed / reversible
- Spring size closers # 2, 3, 4
- Three independent valves control sweep, latch and backcheck closing speeds
- Packed for standard and top jamb mounting
- Supplied with both wood and machine screws
- 25 year warranty
- Finish: AL, DU
- **TC201ADA- conforms** to handicap code requirements
- Multi-size closers 1-4 (TC201ADA) 2-4 (TC201)

OPTIONS

- Parallel Mount - PA
- Hold Open Arm- HOA
- Hold Open Parallel Arm Bracket - HOPAB-1245 (order separately)

ACCESSORIES - See Page 45

Model #	Body Length	CTC Hole Pattern
TC201	9 7/8"	9 1/16" x 3/4"

CROSS REFERENCE

TC200	LCN	NORTON	DORMA	DOR-O-MATIC FALCON	RIXSON	SARGENT	YALE	CORBIN- RUSSWIN	ARROW
	1070	1600*	600	SC60/61	NA	1130	51*	DC4600	1000
	CAL-ROYAL	INTERNATIONAL	JACKSON	RYOBI	SENTINEL	S. PARKER	TACO	TAYMOR	CRL
	NA	NA	NA	NA	S50/S51	NA	NA	NA	NA

GRADE 1 HEAVY DUTY CLOSER

The TC400 and TC500 Series are recommended for use on commercial, architectural and institutional applications. These models are ideal for commercial, new construction and renovations. Both models have a full selection of accessories to accommodate the requirements of any door application. Fully compliant with opening force requirements for ADA and ANSI/BHMA standards.



FEATURES

- Grade 1 certified, ANSI/BHMA A156.4
- UL Listed R7483
- Aluminum Alloy body
- Non-handed / reversible
- Narrow cover - 400 slimline series
- Full cover - 500 standard series
- Multi-size spring models- 411/511 adjustable power 1-4 ADA barrier free, 412/512 adjustable power 2-6
- Three independent regulating valves - control sweep, latch closing speeds and backcheck
- Tri packed- regular, top jamb, parallel arm mount
- Supplied with both wood and machine screws
- 25 year warranty
- Finish: AL, DU

OPTIONS

- Delayed Action - TC411DA in lieu of backcheck
- Hold Open Parallel Arm Bracket - HOPAB-1245 (order separately)

ACCESSORIES - See Page 45

Model #	CTC Hole Pattern
TC400/500	12 " x $\frac{3}{4}$ "

CROSS REFERENCE

	LCN	NORTON	DORMA	DOR-O-MATIC FALCON	RIXSON	SARGENT	YALE	CORBIN- RUSSWIN	ARROW
TC400	NA	8301	8600	SC80	M2220PH	1330	3301	NA	5000
TC500	NA	8501	NA	SC81	M2220	M30	3501	DC3200	5000

	CAL-ROYAL	INTERNATIONAL	JACKSON	RYOBI	SENTINEL	S. PARKER	TACO	TAYMOR	CRL
TC400	801	5050	NA	D-3551	NA	BF900	831	NA	PR50
TC500	8015	5000	NA	D-3550	NA	900BC	851	NA	PR52

GRADE 1 FULL COVER CLOSER

The TC600 Series is our most economically priced full cover closer. It is recommended for use on commercial, architectural and institutional applications. It is ideal for new construction and renovations. This model has a full selection of accessories to accommodate the requirements of any field application. Fully compliant with opening force requirements for ADA and ANSI/BHMA standards. This closer is also available in Bright Brass to meet architectural applications.



FEATURES

- Grade 1 certified, ANSI/BHMA A156.4
- UL Listed R7483
- Aluminum Alloy body
- Non-handed / reversible
- Full cover included
- Multi-size spring models - 611 adjustable power 1-4 ADA barrier free, 612 adjustable power 2-6
- Three independent regulating valves - control sweep, latch closing speeds and backcheck
- Tri packed - regular, top jamb, parallel arm mount
- 15 year warranty
- Finish: AL, DU, US3

OPTIONS

- Hold Open - HOA
- Hold Open Parallel Arm Bracket - HOPAB-1245 (order separately)

ACCESSORIES - See Page 45

<u>Model #</u>	<u>CTC Hole Pattern</u>
TC611/612	11 $\frac{3}{32}$ " x $\frac{3}{4}$ "

CROSS REFERENCE

TC600	LCN	NORTON	DORMA	DOR-O-MATIC FALCON	RIXSON	SARGENT	YALE	CORBIN- RUSSWIN	ARROW
	NA	NA	NA	NA	NA	NA	NA	NA	NA
	CAL-ROYAL	INTERNATIONAL	JACKSON	RYOBI	SENTINEL	S. PARKER	TACO	TAYMOR	CRL
	900	9000	NA	NA	S2500	NA	70	1900	NA

DOOR CLOSER ACCESSORIES

For the TC2200, TC2201ADA, TC200,
TC201ADA, TC400, TC500, TC600, DC90 Series



RA-1240
REGULAR ARM
UL Listed R7483



HOA-1245
HOLD OPEN ARM
UL Listed R7483



TJ-1240
TOP JAMB EXTENDER



PAB-2200
PARALLEL ARM BRACKET
(MUST REMOVE SHOE)



PAB-1245
L SHAPED PARALLEL
ARM BRACKET



HOPAB-1245
HOLD OPEN PARALLEL
ARM BRACKET



SXN-134
1 3/4" THRU-BOLTS

TC2200 / TC2201ADA / TC200 ACCESSORIES



DP-1214
3 1/4" DROP PLATE



DP-1204
2 1/4" NARROW DROP PLATE
(PA INSTALLATION)



COV-2200
COVER



COV-200
COVER

TC400 / TC500 ACCESSORIES



DP-1045
DROP PLATE



COV-411
SLIMLINE COVER



COV-511
FULL COVER

T600 ACCESSORIES



DP-1006
DROP PLATE

HEAVY DUTY GRADE 1 CLOSER

The TC4361 Series is recommended for use on heavy duty commercial, architectural and institutional applications. It is ideal for new construction and renovations. It has a full selection of accessories to accommodate the requirements of any application. The series is tri-packed standard. Closers with non-hold open arms are UL listed for "A" label fire doors. Fully compliant with opening force requirements for ADA and ANSI/BHMA standards.



CODE COMPLIANCE



UL-Listed R7483

- ANSI A156.2 Grade 1, UL10C and UBC 7.2 for positive pressure
- ANSI A117.1 ADA Barrier-free Accessibility
- C-UBC California Uniform Builders Code-2001

FEATURES

- Grade 1 certified, ANSI/BHMA A156.4
- UL Listed R7483
- Aluminum Alloy body
- Non-handed / reversible
- Slimline cover
- Multi-size springs - 1-6 adjustable power ADA compliant
- Three independent regulating valves that control sweep, latch closing speeds and backcheck
- Tri packed- regular, top jamb, parallel arm mount
- Supplied with both wood and machine screws
- 25 year warranty
- Finish: AL, DU

OPTIONS

- Heavy Duty - HD
- Cush-N-Stop Arm - CNS
- Hold Open Cush-N-Stop Arm - HOACNS

Model #	CTC Hole Pattern
TC4361	7 1/2" x 1"

CROSS REFERENCE

TC4361	LCN	NORTON	DORMA	DOR-O-MATIC FALCON	RIXSON	SARGENT	YALE	CORBIN- RUSSWIN	ARROW
	1460*	NA	NA	NA	NA	NA	NA	NA	NA
	CAL-ROYAL	INTERNATIONAL	JACKSON	RYOBI	SENTINEL	S. PARKER	TACO	TAYMOR	CRL
	NA	NA	NA	NA	NA	NA	NA	NA	NA

DOOR CLOSER ACCESSORIES



DP-4361-18
DROP PLATE - PULL SIDE
DOOR MOUNT AND TOP JAMB



RA-4361
REGULAR ARM



RA4361-3077CNS
CUSH-N-STOP ARM



PAB-4361
PARALLEL ARM
BRACKET



DP-4361-18PA
DROP PLATE
PARALLEL ARM



HOA-4361-CNS
HOLD OPEN CUSH-
N-STOP ARM



SXN-134
1 3/4" THRU-BOLTS

GRADE 1 HEAVY DUTY CLOSER

The TC4300 Series is our heaviest duty closer for institutional and other high traffic demanding applications. It has a wide choice of options and installation accessories to accommodate the requirements specified in any industrial or institutional application. This model comes tri-packed standard and can be ordered with different arm styles for maximum versatility. Fully compliant with opening force requirements for ADA and ANSI/BHMA standards.



CODE COMPLIANCE



UL-Listed R7483

- ANSI A156.2 Grade1, UL10C and UBC 7.2 for positive pressure
- ANSI A117.1ADA Barrier-free Accessibility
- C-UBC California Uniform Builders Code -2001

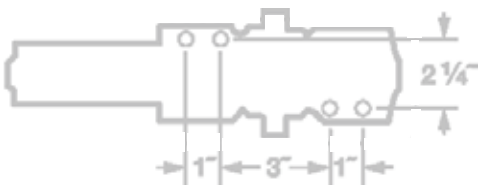
FEATURES

- Grade 1 certified, ANSI/BHMA A156.4
- UL Listed R7483
- Cast Iron Body with Hardened Steel rack & pinion
- Non-handed / reversible
- Multi-size springs: 1-6 adjustable power ADA compliant
- Three independent regulating valves - control sweep, latch closing speeds, and backcheck
- Tri packed- regular pull side, top jamb, parallel arm
- Supplied with both wood and machine screws
- 25 year warranty
- Finish: AL, DU, US3

OPTIONS

- Heavy Duty - HD
- Cush-N-Stop Arm - CNS
- Hold Open Cush-N-Stop Arm - HOACNS

Hole Pattern



CROSS REFERENCE

TC4300

LCN	NORTON	DORMA	DOR-O-MATIC FALCON	RIXSON	SARGENT	YALE	CORBIN- RUSSWIN	ARROW
4040	7500/7700	8916	SC71	NA	351	P400	DC6000	NA
CAL-ROYAL	INTERNATIONAL	JACKSON	RYOBI	SENTINEL	S. PARKER	TACO	TAYMOR	CRL
CR441	4400	NA	NA	NA	NA	CTP40	NA	PR90

DOOR CLOSER ACCESSORIES



DP-4300-18TJ
DROP PLATE - NARROW
TRANSOM BARS



DP-4300-18
DROP PLATE - PULL SIDE
MOUNT ON DOOR



RA4300
REGULAR ARM
UL Listed R7483



RA4300-3077CNS
CUSH-N-STOP ARM
UL Listed R7483



PAB-4300
PARALLEL ARM
BRACKET



DP-4300-18G
DROP PLATE - TOP
JAMB MOUNTING



DP-4300-18PA
DROP PLATE
PARALLEL ARM



RA-4300-HD
HEAVY DUTY ARM
UL Listed R7483



HOA-4300-CNS
CUSH-N-STOP HOLD
OPEN ARM UL LISTED
R7483



SXN-134
1 3/4" THRU-BOLTS



TC4340-30
CUSH SHOE
SUPPORT BRACKET



TC4340-61
BLADE STOP SPACER

GRADE 3 LIGHT DUTY CLOSER

The TC300 Series is a great alternative for use on interior and light weight exterior door applications. Its compact design has the features and appearance of a full size closer but requires less space on a door for installation. The TC300 is commonly used on projects that specify multiple interior closers to address budget concerns. They are an excellent choice for hotels, condominiums, apartment complexes and single-family residences.

FEATURES

- Grade 3 certified, ANSI/BHMA A156.4
- UL Listed R7483
- Aluminum Alloy body
- Non-handed / reversible
- One compact body for all power sizes 2, 3, 4
- Two independent regulating valves control sweep and latch speeds
- 10 year warranty
- Finish: AL, DU



OPTIONS

- Parallel Arm - PA
- Drop Plate - DP

Model #	Body Length	CTC Hole Pattern
TC300	7 7/8"	6 3/8" x 3 1/4"

CROSS REFERENCE

TC300	LCN	NORTON	DORMA	DOR-O-MATIC FALCON	RIXSON	SARGENT	YALE	CORBIN- RUSSWIN	ARROW
	NA	1700	TS77	SC91	NA	NA	2201	NA	NA
	CAL-ROYAL	INTERNATIONAL	JACKSON	RYOBI	SENTINEL	S. PARKER	TACO	TAYMOR	CRL
	400	61/951	NA	NA	S40	NA	EV66	500	DC51

DOOR CLOSER ACCESSORIES



DP-1003
DROP PLATE



PAB-1003
PARALLEL ARM
BRACKET



SXN-134
1 3/4" THRU-BOLTS

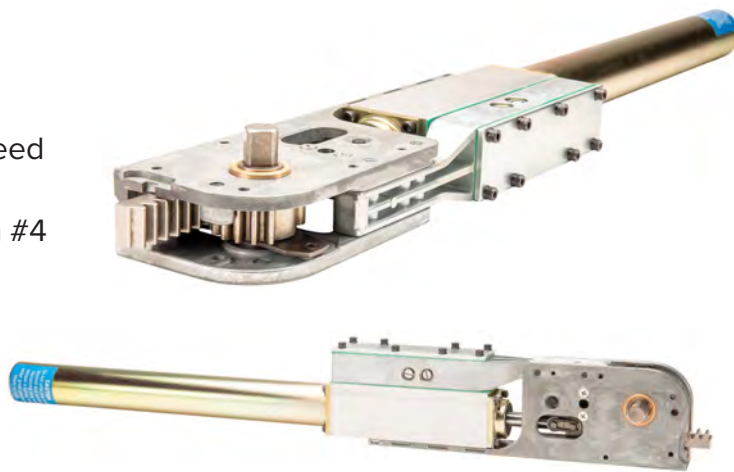
TC7700 SERIES

OVERHEAD CONCEALED CLOSER

The TC7700 Series or “Stout” replaces the original “Kawneer Husky” concealed overhead closer. This new version features a two-speed closing control to prevent the door from slamming against the stop on single-acting applications. It also prevents over-swing on double-acting applications. The TC7700 is an ideal choice for schools, office buildings, hospitals, department stores and any other commercial facilities.

FEATURES

- Control: Two valves for latch and closing speed adjustment
- Closer body spring tension: light #3, medium #4
- Swing: 90 or 105 degree - non-handed
- Feature: Hold open or non-hold open
- Replacement for Kawneer Husky
- Order arms, track, and pivot separately
- 2 year warranty



OPTIONS

- Spring Tension: LT, MED, HD
- Swing: 90 degree or 105 degree
- Hold open or non-hold open - HO/NHD

Closing Speed Adjustment Tip: Through the first 80 degrees of the closing cycle, the door should be kept at a moderate speed to prevent “heel bumping” as someone enters through an out-swing door.

CROSS REFERENCE

GLOBAL #	KAWNEER #
TC7720	37-626
TC7721	37-624
TC7722	37-625
TC7730	37-629
TC7731	37-627
TC7732	37-628
TC7740	37-632
TC7741	37-630
TC7742	37-631

DOOR CLOSER ACCESSORIES



KTA
TOP ARM



S2 - TRACK / ARM
OFFSET ARM / ARM TRACK



TH1119-BCP
BOTTOM CENTER PIVOT

OVERHEAD CONCEALED CLOSER

For those who prefer the visual advantages of a concealed door closer, the TC7000 Series compact design offers an excellent “hidden” solution. Center-pivoted for single and double acting doors. This model is recommended for installation in aluminum door frame applications. It features multiple spring tensions available to match any door size and weight. Consistent closure speed is assured with its temperature-sensitive hydraulic fluid.



APPLICATIONS

Center Hung Doors - Double or Single Acting

- SLA Type adjustable side loading top arm assembly: 1/2" depth top rail
- ELA Type end loading top arm assembly: 1" depth top rail
- KRM Type end loading top arm assembly: 5/8" depth top rail
(For center pivoted applications - order bottom pivot set)

Offset Hung Doors - Single Acting

- Offset/JO Mortised Type offset top arm assembly: 9/16" depth top rail - Aluminum OFFSET-ARM-2: for 7/8" deep rails
- For offset pivoted or butt hinged applications - no bottom pivot set required, offset pivots or butt hinges order separately. For doors 175 - 225 lbs. offset application

Pivot Sets

- OHC-PIVOT - Adjustable dual purpose bottom pivot set - Standard application
- AE-PIVOT - Adjustable threshold mount bottom pivot set - 1" deep bottom rail
- GE-PIVOT - Adjustable threshold mount bottom pivot set - 1 1/2" deep bottom rail

TC7000 SERIES

FEATURES

- UL Listed R7483
- Material: Cast Iron housing, high tensile Steel camshaft and pistons
- Two independent regulated valves for latch and closing speed adjustment
- Replaces: Jackson 20-330 series closer or #21-101 packages and International 200 series
- Mounting: fits in an aluminum header or transom bar as small as 1 3/4" x 4"
- Stocked LP less parts
- Non-hold open closers are UL Listed
- Closer body spring tension: adjustable 2-5, light #2, medium #3, heavy #5
- Center Pivoted only are ADA compliant: barrier free adjustable models TC7010, TC7011
- 90 or 105 degree swing - non-handed
- Feature: Hold open or non-hold open
- 5 year warranty

OPTIONS

- Spring Tension: ADJ LT, MED, HD
- Swing: 90 degree or 105 degree
- Hold open or non-hold open
- Arm Type: SLA, ELA, KRM, OFFSET-ARM
OFFSET-ARM-2
- Pivot Set: OHC, AE, GE
- Extended Spindle - TC7031LP-EXT

Model Size Selection

DOOR SIZE	MAXIMUM DOOR WEIGHT	SPRING TENSION	TYPE	MODEL NUMBER
36" to 48"	225 lbs.	Adjustable	105° back stop with hold open at 105° 105° back stop - non-hold open	TC7010LP TC7011LP
30" & under	125 lbs.	Light Duty	105° back stop with hold open at 105° 105° back stop - non-hold open 90° back stop with hold open at 90° 90° back stop - non-hold open	TC7020LP TC7021LP TC7022LP TC7023LP
Up to 41"	175 lbs.	Medium Duty	105° back stop with hold open at 105° 105° back stop - non-hold open 105° back stop - non-hold open	TC7030LP TC7031LP TC7031LP-EXT TC7032LP TC7033LP
Up to 48" reinforcement required	225 lbs. & up	Heavy Duty	90° back stop with hold open at 90° 105° back stop with hold open at 105° 105° back stop - non-hold open 90° back stop with hold open at 90° 90° back stop - non-hold open	TC7040LP TC7041LP TC7042LP TC7043LP

Duty or spring tension of a closer refers to the opening force; lbs. of pressure required to open a door.

CROSS REFERENCE

TC7000	LCN	NORTON	DORMA	DOR-O-MATIC FALCON	RIXSON	SARGENT	YALE	CORBIN- RUSSWIN	ARROW
	NA	NA	NA	OHC100	608	NA	NA	NA	NA
	CAL-ROYAL	INTERNATIONAL	JACKSON	RYOBI	SENTINEL	S. PARKER	TACO	TAYMOR	CRL
	NA	100/200	20-330	30	S30	400	32	NA	300/7000/8000



SLA
SIDE LOAD ARM



OHC-PIVOT
DUAL PURPOSE
BOTTOM PIVOT SET



ELA
END LOAD ARM



AE-PIVOT
AE PIVOT SET



KRM
"K" TYPE ARM



GE-PIVOT
GE PIVOT SET



OFFSET-ARM
OFFSET ARM W/TRACK
FOR 7/8" DEEP RAILS



OFFSET-ARM-2
OFFSET ARM W/TRACK
FOR 5/8" DEEP RAILS

GRADE 1 TRI-PACKED ADJUSTABLE STREAMLINE CLOSER

Closer -Closers shall be TA model number DC90 and DC90BF, full rack and pinion type with cast aluminum alloy body. All closers shall be provided with non-critical valves adjustment to independently regulate the sweep, latch and back check. Closers shall be non-handed with projection from the face of the door of 2-1/16" without cover and 3" with cover. Closer shall have full spring adjustment from size 1 to size 4 for barrier free (BF). The closer shall be pre-adjusted at the factory to size 2 for the DC90BF. The closer shall be adjusted for each door condition and mounted to allow the maximum degree of swing.



FEATURES

- ANSI A 156.4 Grade 1 UL 1 QC and UBC 7.2 for positive pressure ANSI A 117.1 and ADA for barrier-free accessibility
- Standard spring adjustment from size 1 to 4
- Non handed
- Standard with adjustable sweep, latch and back check Slimline Plastic Cover
- SNB -Sex Nuts and Bolts
- Standard hole pattern and mounting location 10 year warranty
- Finishes - AL, DU

OPTIONS

- BF -Barrier free spring adjustment from size 1 to 4
- SPC -Tri-Pack with regular, parallel and top-jamb mounting, instructions and full size template



Model #	Body Length	CTC Hole Pattern
DC90	9 7/8"	9 1/16" x 3/4"

GRADE 1 TRI-PACKED ADJUSTABLE STREAMLINE CLOSER

Closer - Closers shall be TA model number DC70, full rack and pinion type with cast aluminum body. All closers shall be provided with non-critical hex-key adjustment to independently regulate the sweep, latch and back check. Closers shall be non-handed with full cover and projection of 2-1/2" from the surface of the door. Closer shall have full spring adjustment from size 2 to size 6. The closer shall be pre-adjusted at the factory to size 3 for DC70. Each closer shall be adjusted for each door condition and mounted to allow the maximum degree of swing.



FEATURES

- ANSI A156.4 Grade 1 UL10C and UBC 7.2 for positive pressure
- ANSI A117.1 and ADA for barrier-free accessibility
- Tri-Pack with regular, parallel and top-jamb mounting, instructions and full size template
- Standard spring adjustment from size 2 to 6
- Non handed
- Standard with adjustable sweep, latch and back
- check Full plastic cover
- SRT - Self Reaming and Tapping Screws
- Standard hole pattern and mounting location
- 25 year warranty
- Finishes - AL, DU

OPTIONS

- DA - Delay Closing Action
- HO - Friction Hold-Open Non-Handed Arm CUSH
- - Heavy Duty Parallel Mount Cush Arm HO-CUSH
- - Heavy Duty Parallel, Hold-Open Cush Arm
- 70-09 - Drop Plate, Pull-side Mount
- 70-11 - Back Plate - Top Jamb Mount Plate.



Model #	Body Length	CTC Hole Pattern
DC70	9 7/8"	9 1/16" x 3/4"

TC901

LOW PROFILE, MINI DOOR CLOSER



- Low profile, residential mini door closer
- For wood or metal doors
- For any door up to 150 lbs. / 36" wide
- Easy to install, no special tools required
- Reversible for left or right hand doors
- Applicable for out swinging / in swinging doors
- Available with hold open
- Finish: WH-White, BR-Brown



MODEL #	MAXIMUM DOOR SIZE	MAXIMUM DOOR WEIGHT	SPRING TENSION
TC901	36" Interior	150 lbs.	3

SIZE CHART

MODEL SIZE SELECTION

TC4361 SERIES			
TC 4361	60" Interior/48" Exterior	258 lbs.	Adjustable 1-6
TC200 SERIES			
TC 201ADA	44" Interior/36" Exterior	243 lbs.	Adjustable 1-4
TC 201	48" Interior/42" Exterior	258 lbs.	Adjustable 2-5
TC 203	36" Interior/30" Exterior	155 lbs.	3
TC 204	44" Interior/36" Exterior	243 lbs.	4
TC2200 SERIES			
TC 2201ADA	44" Interior/36" Exterior	243 lbs.	Adjustable 1-4
TC 2202	32" Interior	137 lbs.	2
TC 2203	36" Interior/30" Exterior	155 lbs.	3
TC 2204	44" Interior/36" Exterior	243 lbs.	4
TC 2205	48" Interior/42" Exterior	250 lbs.	5
TC300 SERIES			
TC 302	32" Interior	137 lbs.	2
TC 303	36" Interior/30" Exterior	155 lbs.	3
TC 304	44" Interior/36" Exterior	243 lbs.	4
TC400 SERIES			
TC 411	44" Interior/36" Exterior	243 lbs.	Adjustable 1-4
TC 412	60" Interior/48" Exterior	258 lbs.	Adjustable 2-6
TC4300 SERIES			
TC 4300	60" Interior/48" Exterior	300 lbs.	Adjustable 1-6
TC500 SERIES			
TC 511	44" Interior/36" Exterior	243 lbs.	Adjustable 1-4
TC 512	60" Interior/48" Exterior	258 lbs.	Adjustable 2-6
TC600 SERIES			
TC 611	44" Interior/36" Exterior	243 lbs.	Adjustable 1-4
TC 612	60" Interior/48" Exterior	258 lbs.	Adjustable 2-6
TC7000 SERIES			
TC 7010 LP	60" Interior/48" Exterior	225 lbs.	Adjustable 2-4
TC 7011 LP	60" Interior/48" Exterior	225 lbs.	Adjustable 2-4
TC 7020 LP	36" Interior/30" Exterior	125 lbs.	3
TC 7021 LP	36" Interior/30" Exterior	125 lbs.	3
TC 7022 LP	36" Interior/30" Exterior	125 lbs.	3
TC 7023 LP	36" Interior/30" Exterior	125 lbs.	3
TC 7030 LP	44" Interior/36" Exterior	175 lbs.	4
TC 7031 LP	44" Interior/36" Exterior	175 lbs.	4
TC 7032 LP	44" Interior/36" Exterior	175 lbs.	4
TC 7033 LP	44" Interior/36" Exterior	175 lbs.	4
TC 7040 LP	48" Interior/42" Exterior	225 lbs.	5
TC 7041 LP	48" Interior/42" Exterior	225 lbs.	5
TC 7042 LP	48" Interior/42" Exterior	225 lbs.	5
TC 7043 LP	48" Interior/42" Exterior	225 lbs.	5
TC7700 SERIES			
TC 7720	36" Interior/30" Exterior	155 lbs.	3
TC 7721	36" Interior/30" Exterior	155 lbs.	3
TC 7722	36" Interior/30" Exterior	155 lbs.	3
TC 7730	44" Interior/36" Exterior	243 lbs.	4
TC 7731	44" Interior/36" Exterior	243 lbs.	4
TC 7732	44" Interior/36" Exterior	243 lbs.	4
TC 7740	48" Interior/42" Exterior	375 lbs.	5
TC 7741	48" Interior/42" Exterior	375 lbs.	5
TC 7742	48" Interior/42" Exterior	375 lbs.	5

HINGES

Residential Hinges

Residential Full Mortise Hinges..... 58

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Reinforcing Hinge

Hinge Pin Door

Closer Door Silencers

RESIDENTIAL HINGES

RESIDENTIAL FULL MORTISE HINGE

The residential full mortise hinge is recommended for use on non-commercial interior and exterior door applications. For use on light to medium weight doors.



FEATURES

- Product testing conforms to ANSI - A156.1 and A156.17
- Full mortise residential
- Square $\frac{1}{4}$ " and $\frac{5}{8}$ " radius corners
- Steel base material with steel pin
- Plain bearing removable pin, reversible
- For light to medium weight residential door applications
- Use 3.5" x 3.5" on $\frac{3}{8}$ " hollow or solid core interior doors
- Use 4.0" hinges on heavy residential $1\frac{3}{4}$ " doors.
- Packed with $\frac{3}{4}$ " x #9 Phillips head screws
 - 3.5" x 3.5" - wood screws only
 - 4.0" x 4.0" - wood and machine screws

Model Number	Finishes	Size	Bearing	Type	Thickness
CP3535*	USP, US3, US4, US10B, US15, US26, US26D	3.5" x 3.5"	Plain	Full Mortise	.085" (2.2mm)
CP4040	USP US3, US4, US10B, US15, US26, US26D	4.0" x 4.0"	Plain	Full Mortise	.129" (3.3mm)

*NOTE - Residential hinges are not available in non - ferrous base material.

COMMERCIAL TEMPLATE HINGES



BALL BEARING



**HEAVY WEIGHT
BALL BEARING**

FEATURES

- Commercial: Standard and heavy weight
- Sizes: 3.5" x 3.5", 4.5" x 4", 4.5" x 4.5", 4.5" x 5", 5" x 4.5"
- Plain and ball bearing
- Pin: Steel non-rising removable with button tip
- Type: Full mortise
- Corner: Square corner standard, 5/32" radius available for store front application
- Base material: Steel and Stainless Steel
- Door: For medium to heavy weight
- Fasteners: Packed with wood and machine screws (self-tapping)
- Installation: Template screw hole locations
- Pack: 3 per box sold as each

* Storefront application hinge

ANSI / BHMA STANDARDS

- Conforms to ANSI A8133 for Plain Bearing
- Conforms to ANSI A8112 for Ball Bearing
- Conforms to ANSI A8111 for Heavy Duty Ball Bearing
- Conforms to ANSI A5133 for Stainless Steel Plain
- Conforms to ANSI A5112 for Stainless Steel Bearing
- Conforms to ANSI A5111 for Stainless Steel HD BB


Model Number	Finish	Base Material	Size	Bearing	Type	Thickness
CP3535BB	US26D	Steel	3.5" x 3.5"	Ball Bearing	Full Mortise	.119" (3.0mm)
* CP4540BBNRP	US10B, US26D	Steel	4.5" x 4.0"	Ball Bearing NRP	Full Mortise	.134" (3.4mm)
CP4545	USP, US3, US4, US10B, US26, US26D	Steel	4.5" x 4.5"	Plain	Full Mortise	.134" (3.4mm)
CP4545BB	USP US3, US4, US10B, US26, US26D	Steel	4.5" x 4.5"	Ball Bearing	Full Mortise	.134" (3.4mm)
CP4545BBNRP	USP US3, US4, US10B, US26, US26D	Steel	4.5" x 4.5"	Ball Bearing NRP	Full Mortise	.134" (3.4mm)
CS4540	US32D	Stainless Steel	4.5" x 4.0"	Plain	Full Mortise	.134" (3.4mm)
* CS4540BBNRP	US10B, US32D	Stainless Steel	4.5" x 4.0"	Ball Bearing NRP	Full Mortise	.134" (3.4mm)
CS4545	US32D	Stainless Steel	4.5" x 4.5"	Plain	Full Mortise	.134" (3.4mm)
CS4545BB	US32D	Stainless Steel	4.5" x 4.5"	Ball Bearing	Full Mortise	.134" (3.4mm)
CS4545BBNRP	US32D	Stainless Steel	4.5" x 4.5"	Ball Bearing NRP	Full Mortise	.134" (3.4mm)
CPH4545BB	US26D	Steel	4.5" x 4.5"	Ball Bearing	Full Mortise Heavy Weight	.180" (4.6mm)
CPH4545BBNRP	US26D	Steel	4.5" x 4.5"	Ball Bearing NRP	Full Mortise Heavy Weight	.180" (4.6mm)
CSH4545BB	US32D	Stainless Steel	4.5" x 4.5"	Ball Bearing	Full Mortise Heavy Weight	.180" (4.6mm)
CSH4545BBNRP	US32D	Stainless Steel	4.5" x 4.5"	Ball Bearing NRP	Full Mortise Heavy Weight	.180" (4.6mm)
CSH5045BB	US26D	Steel	5" x 4.5"	Ball Bearing	Full Mortise Heavy Weight	.190" (4.8mm)
BB168SQNRP545	US26D	Steel	5" x 4.5"	Ball Bearing, NRP	Full Mortise Heavy Weight	.190" (4.8mm)
SSBB168SQNRP545	US32D	Stainless Steel	5" x 4.5"	Ball Bearing, NRP	Full Mortise Heavy Weight	.190" (4.8mm)

FULL MORTISE SPRING HINGES

Our full mortise single acting spring hinge is recommended for use where automatic self closing of a door is required. This three knuckle hinge is adjustable and the spring tension can be increased or decreased by using adjusting tool included. For maximum versatility use three spring hinges on required opening. Full spring tension may not be required on all hinges but allows for greater adjustment.



FEATURES

- **UL Listed R19063 for “A” label fire doors** 
- Conforms to ANSI / BHMA - K81071F for self closing hinges
- Meets NFPA 80 for 3 hour fire rating
- Steel base material
- Square and $\frac{5}{8}$ " radius corner available on 3.5" x 3.5" and 4.0" x 4.0"
- Template screw hole locations
- 3.5" packed with wood screws, 4.0, and 4.5 packed with both wood and machine screws

Model Number	Finish	Base Material	Size	Bearing	Type	Thickness
CPS3535	USP, US3, US4, US10B, US15, US26, US26D	Steel	3.5"x 3.5"	Plain	Full Mortise Spring	.097" (2.5mm)
CPS4040	USP, US3, US4, US10B, US15, US26, US26D	Steel	4.0"x 4.0"	Plain	Full Mortise Spring	.129" (3.3mm)
CPS4545	USP, US3, US4, US10B, US15, US26, US26D	Steel	4.5"x 4.5"	Plain	Full Mortise Spring	.134" (3.4mm)

*NOTE - Spring hinges are not available in non - ferrous base material.

BARREL SPRING HINGES

SINGLE AND DOUBLE ACTING SPRING HINGES

Our single acting and double acting spring hinges are both made to strict specifications for exceptional quality. They are recommended for use when automatic self closing of a door is required.

Double acting spring hinges are recommended for doors that need to open in both directions and return automatically to center such as cafe doors.



DH-5500SA66



DH-TAN5004

FEATURES

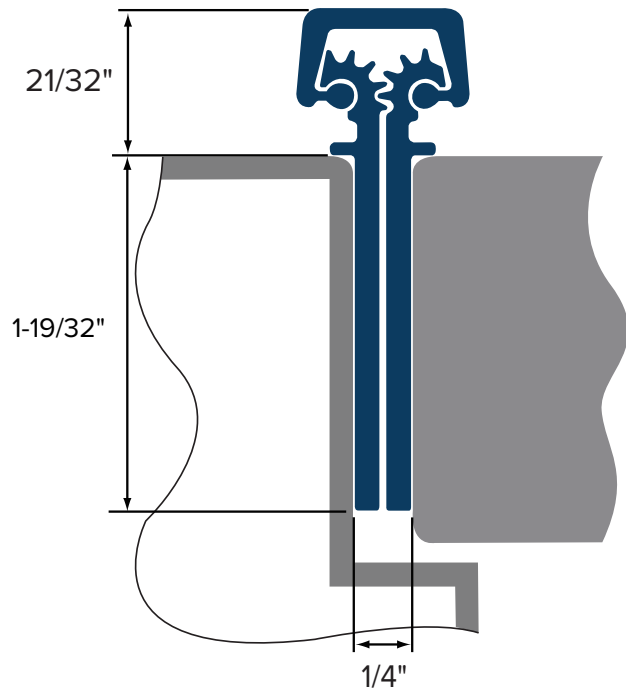
- ANSI A81071F for self closing hinges
- Commercial: Standard weight
- Single and double acting
- Corner: square standard
- For medium to heavy weight door
- Packed with wood and machine screws
- Similar to Bommer type “big barrel” hinges
- Sold in pairs

Model Number	Finish	Base Material	Size	Bearing	Type
CPS4550ADJ-USPM	USP	Steel	4.5" x 5"	Plain bearing	Full mortise
DH-5500SA66	USP	Steel	6" x 6"	Plain bearing	Full mortise
DH-5579645	USP	Steel	6" x 4.5"	Plain bearing	Full mortise
DH-TAN5004	BK, GV, USP, US3	Steel	4"	Plain bearing	Full mortise, double action
DH-TAN5005	BK, GV, USP, US3	Steel	5"	Plain bearing	Full mortise, double action
DH-TAN5006	BK, GV, USP, US3	Steel	6"	Plain bearing	Full mortise, double action

FULL MORTISE HEAVY DUTY CONTINUOUS HINGES

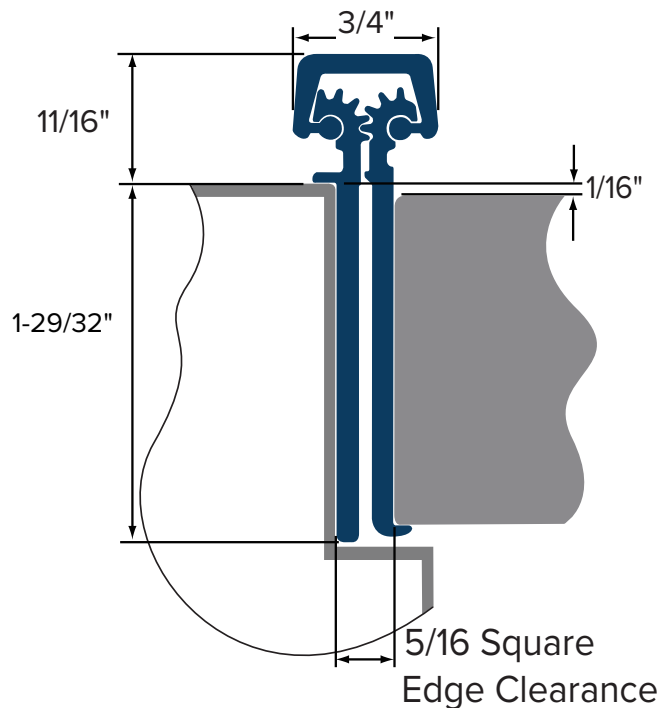
CFM

- Flush mount
- Each hinge leaf has an alignment stop
- 1/4" clearance between door and frame
- Available length: 83"



FM2

- 1/16" recessed door offset
- Door edge guard
- 5/16" clearance between door and frame
- Available lengths: 83" and 95" HD

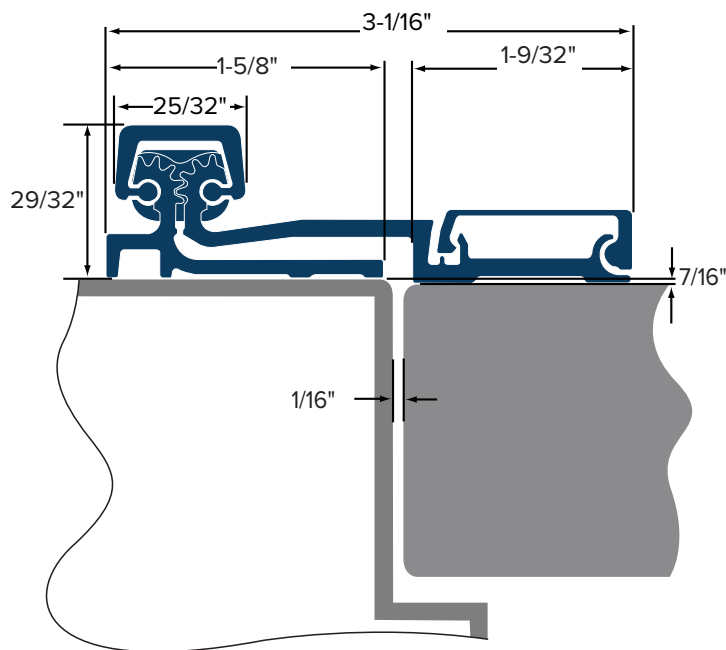


CONTINUOUS HINGES

FULL SURFACE HEAVY DUTY CONTINUOUS HINGES

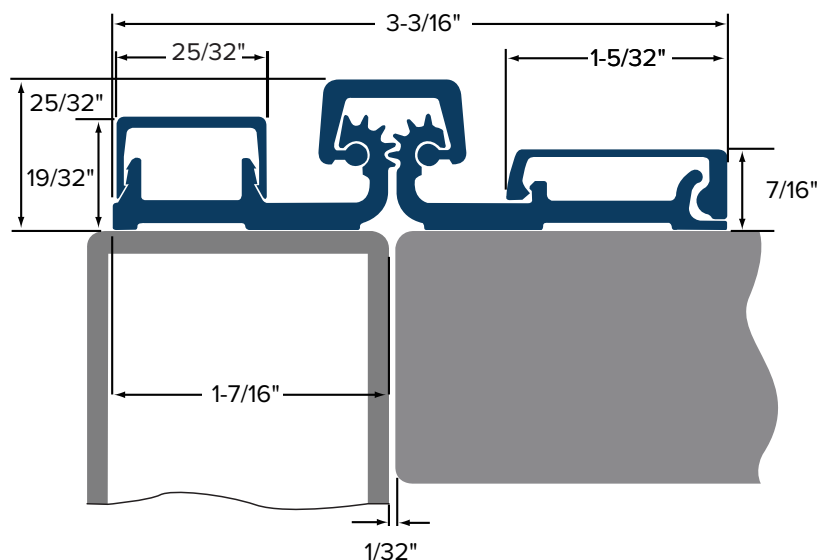
FULL SURFACE

- Full surface continuous hinge
- $\frac{1}{32}$ " recessed door offset
- Tamper resistant removable cover
- $\frac{1}{16}$ " clearance between door and frame
- Available length: 83"



LIMITED FRAME

- Full surface continuous hinge
- For narrow limited frame applications
- Tamper resistant removable cover
- $\frac{1}{32}$ " clearance between door and frame
- Available lengths: 83" and 95" HD



FEATURES

- Available in full mortise and surface mount
- 6063 T6 Aluminum alloy, with interlocking extrusions
- Non-handed design
- 83" or 95" length
- Standard duty with 16 thrust type self-lubricating concealed bearings per hinge
- Heavy duty with 32 thrust type self-lubricating concealed bearings per hinge
- High degree of security
- Anodized Aluminum finish
- Through bolt and machine screws
- Templated hole patterns
- 10 year warranty
- Finishes: AL, DU

REFERENCE CHART

Sizes	Global Door	Roton	Select	Pemko
Standard Duty 83"	Controls THI-1183CFM THI-1183 THI-1183FM2 THI-1183LF	780-112 780-210 780-224 780-157	SL11 SL21 SL24 SL57	FMSLF FS FM FSCP
Heavy Duty 83"	THI-1183CFMHD THI-1183HD THI-1183FM2HD THI-1183LFHD	780-112HD 780-210HD 780-224HD 780-157HD	SL11HD SL21HD SL24HD SL57HD	FMSLFHD FSHD FMHD FSCPHD
Standard Duty 95"	THI-1195 THI-1195FM2 THI-1195LF	780-210 780-224 780-157	SL21 SL24 SL57	FS FM FSCP
Heavy Duty 95"	THI-1195CFMHD THI-1195FM2HD THI-1195LFHD	780-112HD 780-224HD 780-157HD	SL11HD SL24HD SL57HD	FMSLFHD FMHD FSCPHD

CP-RP
REINFORCING HINGE



- Handed: LH, RH
- Sold as each
- Finish: US26D

CP4040-PIN
HINGE PIN DOOR CLOSER



- Sold as each
- Finish: US4

DH-DS11-GY
RUBBER DOOR SILENCER



STOREFRONT

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OFFSET PIVOTS

Offset pivots are used for 1/8" recessed door applications. We stock replacement pivots for most major door manufacturers. Suitable for 83" aluminum doors weighing up to 125 pounds. Pivots are engineered and designed for durability, style, and are easy to install.



Non-Handed

TH1109
ARCH/VISTAWALL STYLE



Handed

TH1110OC
OLD CASTLE STYLE



Handed

TH1110
ARCH/VISTAWALL STYLE



Handed

TH1112
ARMALITE STYLE

FEATURES

- 3/4" offset pivots for aluminum door and frames
- For 1/8" recessed door applications
- Weather resistant
- Aluminum case construction
- 1/8" vertical adjustment
- Full race ball bearing design provides smooth operation on pivot door portion
- No sag , door rests on floor mounted pivot portion
- Completely tamper proof, yet easily removable, replaceable in unlocked position
- Finishes: AL, DU, WH (only TH1109, TH1110OC)
- TH1110OC: Door height is adjustable by bottom door portion
- Please refer to intermediate pivots for doors over 83" in height

OFFSET PIVOTS

Offset pivots are used for 1/8" recessed door applications. We stock replacement pivots for most major door manufacturers. Suitable for 83" aluminum doors weighing up to 125 pounds. Pivots are engineered and designed for durability, style, and are easy to install.



TH1114KM
PITCO, PPG, EFCO, TUBELITE STYLES



TH1114U
US ALUMINUM STYLE



TH1116
ALDORA STYLE

FEATURES

- 3/4" offset pivots for aluminum door and frames
- For 1/8" recessed door applications
- Weather resistant
- Aluminum case construction
- 1/8" vertical adjustment
- Full race ball bearing design provides smooth operation on pivot door portion
- No sag , door rests on floor mounted pivot portion
- Completely tamper proof, yet easily removable, replaceable in unlocked position
- Finishes: AL, DU
- Please refer to intermediate pivots for doors over 83" in height

TH1118 KAWNEER STYLE PIVOT



FEATURES

- For 1/8" recessed door
- A380 precision Diecast Aluminum
- Oilite Bronze bushing in top frame portion
- Full race ball bearing bottom door portions
- Door height adjustable by bottom door portion
- Door weight: up to 125 pounds
- 1/8" Vertical adjustment
- Case hardened stud in floor/jamb portion
- Includes steel reinforcement plates for the door portions
- Sold as a complete set
- Must specify LH or RH
- Finishes: AL, DU

TH1300 YKK STYLE PIVOT



FEATURES

- 1/8" recessed store front
- Diecast Aluminum
- Full race ball bearing and Oilite Bronze bushing
- Weather resistant
- Door weight: up to 125 pounds
- 1/8" Vertical adjustment
- No sag, door rests on floor mounted pivot
- Completely tamper proof
- Specify handing
- Finish: AL, DU

INTERMEDIATE PIVOTS

Intermediate pivots are intended for doors taller than 83" that require additional support to keep the middle of the door in line with the pivots at the top and bottom. For use on both flush face frame installations and 1/8" recessed door applications. The pivots cannot be used on center hung doors. Suitable for aluminum doors weighing up to 125 pounds.



TH1110-INT
INTERMEDIATE PIVOT



TH1120
ARCH/ALMARLITE STYLE



Handed

TH1190
INTERMEDIATE PIVOT



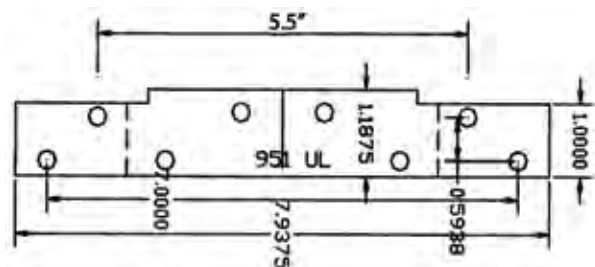
TH1121
KAWNEER STYLE

FEATURES

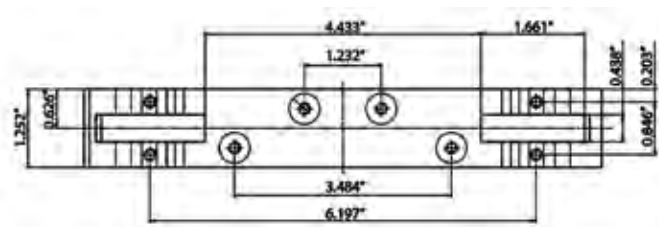
- 3/4" offset application
- Precision Aluminum Diecast
- Doors up to 90" in height should use one intermediate pivot. We recommend another intermediate pivot for each additional 30"
- Full race ball bearing and Oilite Bronze bushing
- Case hardened pin to jamb portion fully retractable for ease of installation on the TH1120 / TH1121 only
- Door thickness: 1 3/4"
- Easy vertical adjustment
- Finishes: AL, DU

REINFORCEMENT PLATES

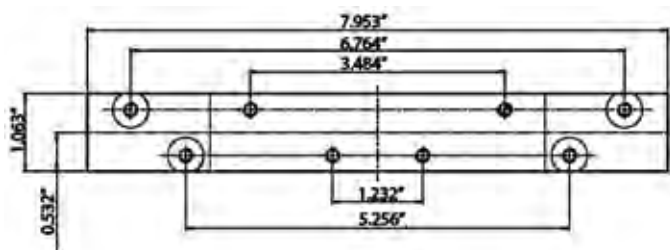
Reinforcement plates are designed to bring extra security and stability to the hinges on hollow metal and aluminum frames. Plates are intended to be used as a backing plate for 4½" standard butt hinges on most doors.



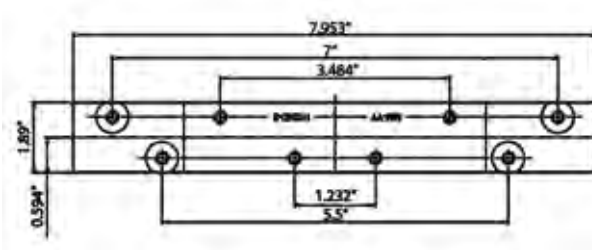
TH1100-RP951-TUL
951 TUL MODEL



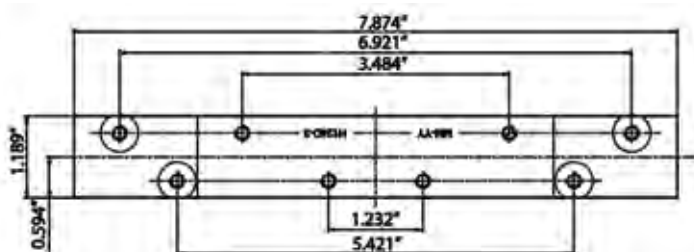
TH1100-RP124-FZCP
951 A MODEL



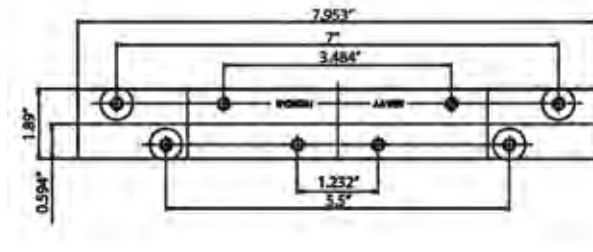
TH1100-RP124D-DZCP
951 P MODEL



TH1100-RP124D-2ZCP
951 U MODEL



TH1100-RP124D-3ZCP
951 UJ MODEL



TH1100-RP124D-4ZCP
951 TU MODEL

*For aluminum doors only

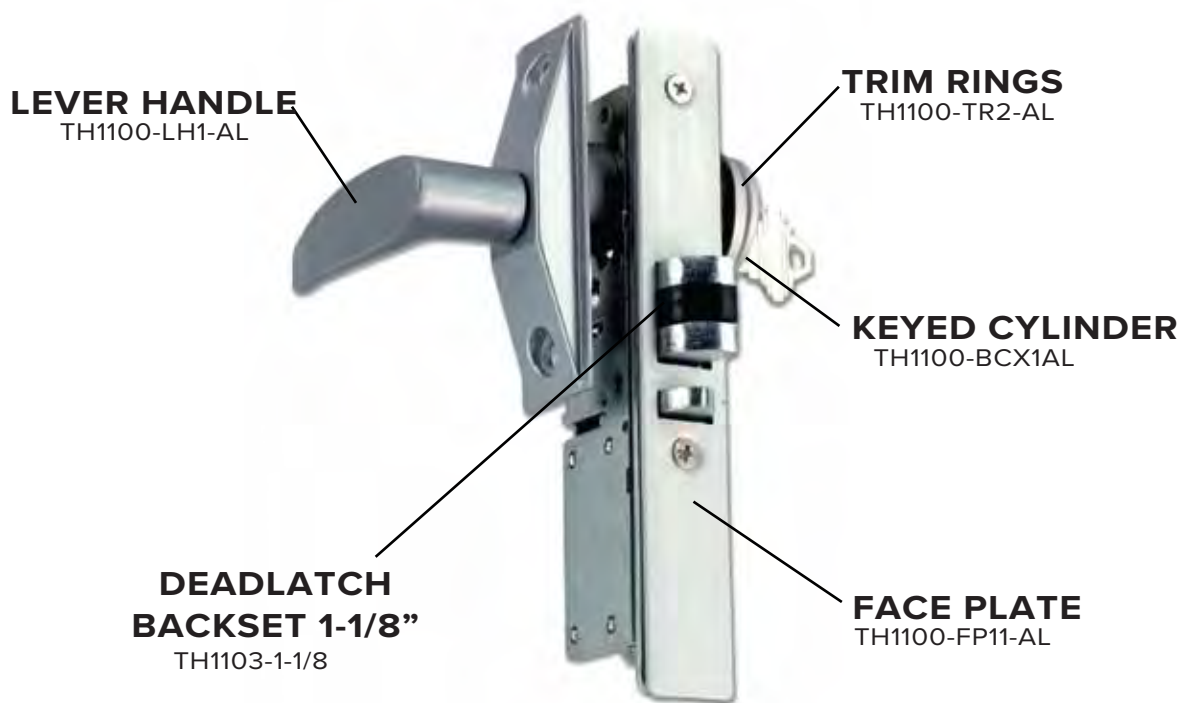
FEATURES

- Made from highest quality materials
- Functions as backing plate for butt hinge
- Decreases sag, increased rigidity
- Installation for hollow metal or aluminum commercial door applications.
- Plates 3/16" thick
- Sold individually
- Silver metallic finish

MORTISE LOCKS

**ALL STOREFRONT HARDWARE STOCKED
AND SOLD AS COMPONENTS.**

PLEASE SPECIFY WHEN ORDERING



FINISH: ALUMINUM

Lock Body:

Deadbolt - TH1101
Hookbolt - TH1102
Deadlatch - TH1103
Backsets - $\frac{31}{32}$ ", $1\frac{1}{8}$ " or $1\frac{1}{2}$ "

Lock Accessories:

Face plate - TH1100-FP
Trim Rings - TH1100-TR Dummy
cylinder - TH1100-DUM Strike -
TH1100-ST1, ST2

Activating Mechanism:

Cylinder - TH1100-BC, ZC
Thumbturn - TH1100-BT, ZT
Push/Pull paddle - TH1100 - PUSH
Lever handle - TH1100-LH1

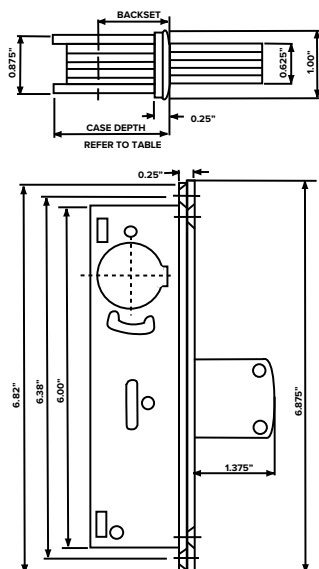
Finish:

Aluminum - AL
Duronotic - DU



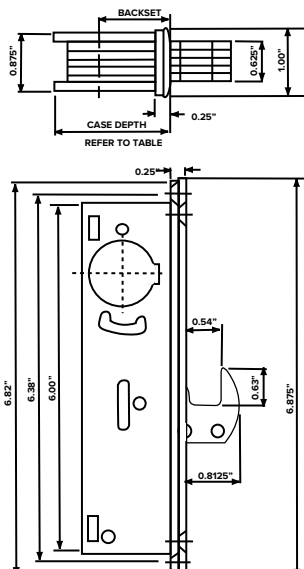
TH1101
Deadbolt

Deadbolt



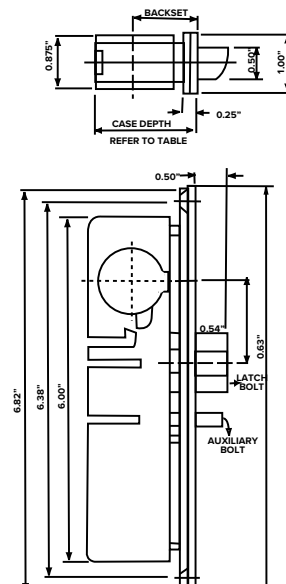
TH1102
Hookbolt

Hookbolt



TH1103 / TH1104
(Heavy Duty)
Deadlatch

Deadlatch







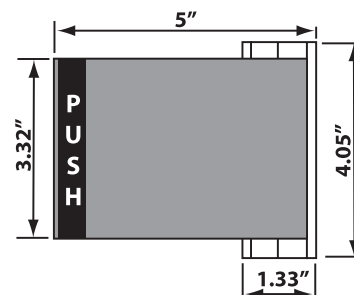
FEATURES

- Three functions: Deadbolt, Hookbolt, Deadlatch
- Available backsets: $\frac{3}{32}$ ", $\frac{1}{8}$ " or $\frac{1}{2}$ "
- Face plate: 1" w x $6\frac{7}{8}$ " L; Aluminum construction
- Case dimensions: $\frac{7}{8}$ " w x 6" l x depth (see chart)
- Non-handed / reversible
- Deadlatches: Zinc Alloy latchbolt with Delrin plastic insert, auxiliary bolt Zinc Diecast, deadlocks latchbolt and prevents manipulation.
- Finishes: AL, DU

TH1100-PUSH PUSH / PULL PADDLE

For use with the TH1103/TH1104 deadlatch mortise lock. Paddle is four way reversible. Handing can be reversed on cam plug by removing the C-clip, flipping the cam and reinstalling the C-clip.

Type	Operation	Use
PULL- left hand		Outside of left hand reverse door or inside of right hand
PUSH- left hand		Outside of left hand door or inside of right hand reverse.
PULL- right hand		Outside of right hand reverse door or inside of left hand.
PUSH- right hand		Outside of right hand door or inside of left hand reverse

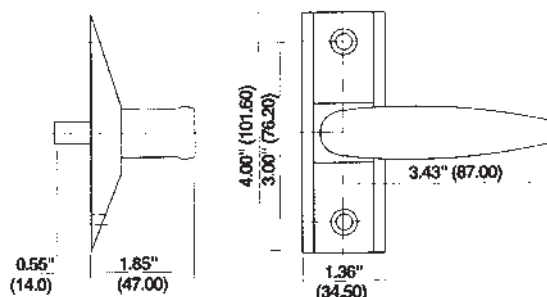


FEATURES

- Extruded Aluminum Paddle
- Housing: Zinc Alloy, black powder coat finish
- Operating assembly: Steel mechanism
- Paddle reversible
- Standard packing: cam plug, paddle arm, operating housing, binder post, self adhesive decal, and mounting hardware
- Finishes: AL, DU

TH1100-LH1 LEVER HANDLE

For use with the TH1103/TH1104 deadlatch mortise lock or any other brand of narrow stile mortise deadlatch. The lever handle is four way reversible. Handing can be reversed on cam plug by removing the C-clip and flipping the cam and reinstalling the C-clip.



FEATURES

- Diecast Aluminum Lever
- Escutcheon: Aluminum 1 $\frac{3}{8}$ " x 4", heavy duty spring mechanism prevents sagging of lever handle
- Spindle: Wrought Steel, $\frac{1}{4}$ " square hardened heat treated
- Non-handed / reversible
- Standard packing includes: Cam plug included, all mounting screws, templates, and installation instructions.
- Finishes: AL, DU

ACCESSORIES



TH1100-BC
TH1100-ZC
Keyed Mortise Cylinder
Brass or Zinc



TH1100-BT
TH1100-ZT
Thumbturn Mortise Cylinder
Brass or Zinc



TH1100-ZTO-AL
TH1100-ZTO-DU
Oversized Mortise Thumbturn
Zinc



TH1100-DUM
Dummy Mortise Cylinder
Zinc

FEATURES

- Type: Mortise or Rim
- Key cylinders - 5 pin Schlage "C"
- keyway 1" length
- Comes with Adams Rite style cam
- TH1100-RC; Rim cylinder, flat cut to size tail piece - KD Packed with collar ring, mounting plate, 2 screws
- Key options specify when ordering:
For TH1100 - BC, ZC
X1 - Keyed different
X1KA - Single cylinder keyed alike
X2 - Keyed alike in pairs
- Finishes: AL, DU

Mortise Cylinders

Brass	BC
Zinc	ZC
Brass Thumbturn	BT
Zinc Thumbturn	ZT
Zinc Dummy	DUM
Zinc Thumbturn Oversized	ZTO

TH1100-RC
Keyed Rim Cylinder
Brass



CYLINDER RINGS

TH1100-CG1
Cyl. Guard Anti-Wrench Collar
AL or DU



TH1100-TR1
Extruded Trim Ring 5/16"
AL or DU



TH1100-TR2
Stamped Trim Ring 5/16"
AL or DU



TH1100-ST
STRIKES

- Both strikes are for use with the TH1103 / TH1104 deadlatches
- Order double strike when converting a narrow stile lock to a deadlatch, to cover elongated slot in aluminum frame.

TH1100-ST2 **TH1100-ST1**
SINGLE STRIKE DOUBLE STRIKE



THRESHOLD BOLT KIT

Provides 2 point security



OPTIONS

- Height: 34", 43 3/8", 53 1/2"

HEADER SHOOT BOLT



- Height: 84"

LOCK INDICATOR



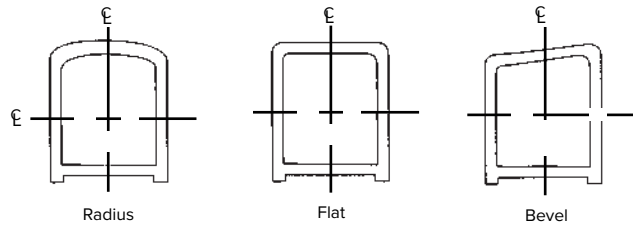
DL-LI4089

AL or DU

TH1100-FP FACE PLATES



Applicable Door Stiles



Specify face plate profile based on applicable door stile configuration

TH1100 - FP1 (TH1101 Deadbolt)	TH1100 - FP2 (TH1101 Deadbolt)	TH1100 - FP3 (TH1101 Deadbolt)	TH1100 - FP4 (TH1101 Deadbolt)	TH1100 - FP5 (TH1101 Deadbolt)
TH1100 - FP6 (TH1102 Hookbolt)	TH1100 - FP7 (TH1102 Hookbolt)	TH1100 - FP8 (TH1102 Hookbolt)	TH1100 - FP9 (TH1102 Hookbolt)	TH1100 - FP10 (TH1102 Hookbolt)
TH1100 - FP11 (TH1103 Deadlatch)	TH1100 - FP12 (TH1103 Deadlatch)	TH1100 - FP13 (TH1103 Deadlatch)	TH1100 - FP14 (TH1103 Deadlatch)	TH1100 - FP15 (TH1103 Deadlatch)
FLAT	L.H. BEVEL	R.H. BEVEL	RADIUS	RADIUS WITH WEATHERSTRIP
				 LEFT HAND ONLY

Finishes: AL, DU

TH1100-HK1 DELUXE HINGE KIT

Deluxe Hinge Kits are the ideal choice for when existing hardware fails. A quick and easy fix for any compromised door opening.

FEATURES

- For commercial doors up to 500 lbs
- Non-handed / reversible
- Flush or 1/8" offset door applications
- Extruded Aluminum Alloy
- Self-lubricating pin rotates on anti-friction bearings
- Securely fastened with tamper proof screws
- Vertical adjustment screw
- Packed and sold in pairs
- 1 year warranty
- Finishes: AL, DU



Deluxe Hinge Kit comes with:

- (2) roto pin hinges
- (12) one-way screws
- (4) cover strips
- (1) Allen wrench
- (2) 1/8" shims
- (1) instruction sheet



TH1100-FB **FLUSH BOLTS**

Mortise flush bolts are for use on commercial storefront, architectural aluminum and glass narrow stile doors. Made for easy installation, replaces most brands of storefront flush bolts.

FEATURES

- Spring loaded lever action
- Rod extension: 7/8" throw
- Face dimensions: 1 5/16" x 4 1/4" with 5/32" radius corner
- 1/2" nylon tip with beveled corners to prevent binding
- Supplied with nylon keeper and fasteners
- Finishes: AL, DU

Rod length and backset:

- TH1100-FB1: 10" long with 1/8" backset (standard model)
- TH1100-FB2: 15" long with 1/8" backset
- TH1100-FB3: 12" long with 1/4" backset



TH1100-OPB **Offset Pull Bar**



FEATURES

- Push bar length: 33" CTC
- Pull bar height: 10" CTC
- Offset width: 3 1/4"
- Diameter: 1"
- Projection: 2 1/2"
- For Aluminum Storefront Doors
- Finishes: AL, DU



TH1100-DPB **Dual Pull Bar** **Back to Back**

**available in 12"*

TH1100-SPB **Single Pull Bar**

INSIDE



OUTSIDE

INSIDE



OUTSIDE

INSIDE



OUTSIDE

INSIDE



OUTSIDE

GENERAL

HARDWARE

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SECURITY SURFACE BOLTS



GH-UL831

- Concealed mounting
- Tamper proof
- 8" Long
- 1" throw, 1 $\frac{5}{8}$ " projection
- Finishes: US26D



GH-UL453

- Surface mounting
- Tamper proof
- 8" Long
- 1 $\frac{1}{6}$ " throw, 1 $\frac{5}{8}$ " projection
- Finishes: US26D



GH-ULSB197 FLUSH BOLTS

- **GH-ULSB197:** Heavy Duty
- **GH-197:** Extruded Aluminum
- Non-handed
- $\frac{5}{8}$ " throw with $\frac{7}{8}$ " vertical adjustment
- 12" rod to fit ANSI prep.
- Spring loaded lever
- $\frac{1}{2}$ " dia. Brass bolts
- Finishes: US3, US26, US26D



GH-1057 FOOT BOLTS

- Foot bolt 6"
- Operated by pressure of foot on cap
- Released by pressure on tip
- Packaged with screws and strike
- Finishes: ZP

GH-832BB BARREL BOLTS

- 5" and 8" available
- Locking and padlockable bolt
- Extra heavy duty
- Rust Resistant
- Heavy Zinc Plated bolt, 9/16" dia.
- Polybagged with fasteners
- Finishes: GV



CHAIN GUARDS

GH-1631

- Adjustable 20" - 30½"
- Adjusting link included
- Heavy duty commercial
- Cast Brass mounting plates
- 2 compression springs
- Vinyl cover
- Finishes: DU, US26D



GH-1631

GH-DX3700

- Single spring
- Residential
- Packed with fasteners
- Finishes: ZP



GH-DX3700

SAFETY HASPS



GH-CD575

- Single flexible
- Safety hasp
- 6¼"
- ZP



GH-CD577

- Double flexible
- Safety hasp
- 7¾"
- ZP

DOOR REINFORCERS



MODEL NUMBER	SIZE	BACKSET	DOOR THICKNESS	FINISHES
4" Door Reinforcer				
GH-DRDB101	4½"	2 ¾"	1 ¾"	US3, US32D
GH-DRDB102	4½"	2 ¾"	1 ¾"	US3, US32D
GH-DRDB103	4½"	2 ¾"	1 ¾"	US3, US32D
9" Door Reinforcer				
GH-DRLK104	9"	2 ¾"	1 ¾"	US3, US32D
GH-DRLK105	9"	2 ¾"	1 ¾"	US3, US32D
GH-DRLK106	9"	2 ¾"	1 ¾"	US3, US32D

LATCH/CYLINDER GUARDS



GH-LG109

- Fits hollow metal or wood doors
- Non-handed / reversible
- Protects cylindrical, mortise locks and guards latch bolt
- Mounts to door with heavy duty sex bolts
- Finishes: US26D



GH-LG111

- Fits narrow stile aluminum doors
- Non-handed / reversible
- Tamper proof
- Mounts to door with heavy duty sex bolts
- Finishes: AL, DU



GH-CG109

- Fits hollow metal or wood doors
- Non-handed / reversible
- Protects cylindrical, mortise locks and guards latch bolt
- Mounts to door with heavy duty sex bolts
- Finishes: US26D, US3

DOOR VIEWERS

Door viewers are made with safety and durability in mind. Solid Brass with highly polished optic lenses for extra wide viewing angles.

Specifications

- For 1¾" thick wood or metal doors
- Solid Brass
- UL Listed R13709 Fire rated (glass lenses)
- Finishes: see below



GH-DCV01 / GH-DXDCV01 DOOR CHIME VIEWERS

Specifications

- For doors 1⅛" - 2" thick
- Available in deluxe: **GH-DXDCV01**
- Two-tone chime
- 180° viewing angle
- Finishes: US3, US26D



DOOR STOPS CAST BRASS AND SOLID BRASS

FLOOR MOUNTED DOOR STOPS

- Wrought Steel and Cast Brass
- Bumpers constructed from Durable Rubber
- Ideal for commercial applications
- Screw packs included
- Finishes: US3, US26D



TH1100-UDS
Universal
Door Stop



GH-DS436
Low Dome
Door Stop



GH-DS438
High Dome
Door Stop



GH-DS401
Concave
Wall Stop



GH-DS406
Convex
Wall Stop

WALL MOUNTED DOOR STOPS

- Wrought Steel and Cast Brass
- Bumpers constructed from Durable Rubber
- Screw packs included
- GH-DS406, TH1100-UDS, DS3918: Available in US26D only
- Finishes: US3, US26D

GH-DS3918
Rigid Door Stop



DOOR HOLDERS DROP DOWN & STEP ON

- **GH-135:** 4" Zinc Alloy door holder
- **GH-1135:** 5" Zinc Alloy door holder
- **GH-235:** 4" Solid Brass door holder
- **GH-1235:** 5" Solid Brass door holder
- **GH-380:** 5" Zinc Alloy door holder
- **GH-5015:** 8" Step on door holder
- Durable rubber tips
- Polybagged with sheet metal screws
- Finishes: US3, US4, US26D, DU
- Replacement tips available:
GH-TIP235-BK: tip for 234/1235
GH-TIP6015-BK: tip for 6015



GH-235 / 1235
GH-380



GH-135 / 1135



GH-6015

PULL PLATES



Meets ADA requirements

- Conforms to ANSI J405 and A117.1
- Aluminum, Solid Brass or Stainless Steel
- Classic and round pulls
- 16 gauge (.050") thick
- Mounting screws for 1¾" thick door
- Packed with sheet metal screws
- Finishes: AL, US3, US32D



GH-PP5310 3½" X 15" with classic pull

GH-PP5425 4" X 16" with round pull

GH-PP5325 3½" X 15" with round pull

PUSH PLATES



Meets ADA requirements

- Conforms to ANSI J301 and A117.1
- Aluminum, Solid Brass or Stainless Steel
- Mounting screws for 1¾" thick door
- Packed with sheet metal screws
- Finishes: AL, US3, US32D

GH-PP53 3½" X 15"

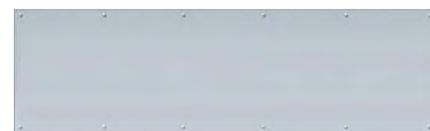
GH-PP54 4" X 16"



KICK PLATES COMMERCIAL

- Conforms to ANSI J102 and ANSI A117.1 for ADA barrier-free accessibility
- Aluminum, Solid Brass or Stainless Steel
- 16 gauge (.050") thick
- Kick plates not bevelled
- Other sizes, finishes, and beveling special order only
- Packed with sheet metal screws
- US3 on aluminum available (BT-AL)
- Finishes: AL - Aluminum

BT-AL - US3 Brass Plated
Aluminum US3 - Solid Brass
US32D - Stainless Steel



GH-KP834 8" x 34"

GH-KP1034 10" x 34"



Meets ADA requirements

CABINET

HARDWARE

Cabinet Hardware

Cabinet Knobs & Pulls.....88

Basic Series

Bolt Series

Hexa Series

Lunar Series

Accent Series

Helix Series

Slim Series

Hexa Series

Hollow SS

Series

Cabinet Pulls.....89

Octa Series

Gamma Series

Cubic Series

Elektra Series

Elite Series

Solar Series

CABINET KNOBS



BASIC SERIES 1" MODERN KNOB

- Available Length - 1"
- Available Finishes - SN



BOLT SERIES 1" MODERN KNOB

- Available Length - 1"
- Available Finishes - HG, MAB, ORB, SN



HELIX 1" SERIES KNOB

- Available Length - 1"
- Available Finishes - CP, SN, HG, MAB



LUNAR SERIES 1" MODERN KNOB

- Available Length - 1"
- Available Finishes - SN



HEXA SERIES 1" MODERN KNOB

- Available Length - 1"
- Available Finishes - CP, BSN

ACCENT SERIES 1" MODERN KNOB

- Available Length - 1"
- Available Finishes - MAB, ORB, SN

CABINET PULLS



SLIM SERIES PULL

- Available Length - 6 1/4"
- Available Finishes - SN, CP



HEXA SERIES PULL

- Available Length - 5"
- Available Finishes - CP, BSN



HOLLOW SS PULL

- Available Length - 3 3/4"
- Available Finishes - SS

CABINET PULLS



CUBIC SERIES PULL

- Available Length - 6 1/4", 5", 3
- 1/2" Available Finishes - BC



GAMMA SERIES PULL

- Available Length - 7 1/2", 6 1/4"
- Available Finishes - CP, SN, HG, MAB, ORB, US3, US4



ELITE SERIES PULL

- Available Length - 6
- 1/4" Available Finishes - CP, SN



ELEKTRA SERIES PULL

- Available Length - 6 1/4", 5", 3
- 1/2" Available Finishes - BC



SOLAR SERIES PULL

- Available Length - 6 1/4", 5", 3
- 1/2" Available Finishes - SN, CP



WIRE PULLS

- 4" wire pulls
- 5/16" diameter
- For cabinet doors 3/4" - 1 1/8"
- thick Finishes: US26D



WAREHOUSE LOCATIONS

2201-C Interstate North Dr Charlotte, NC 28206

Phone # 1-800-256-7377

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www.impusa.com