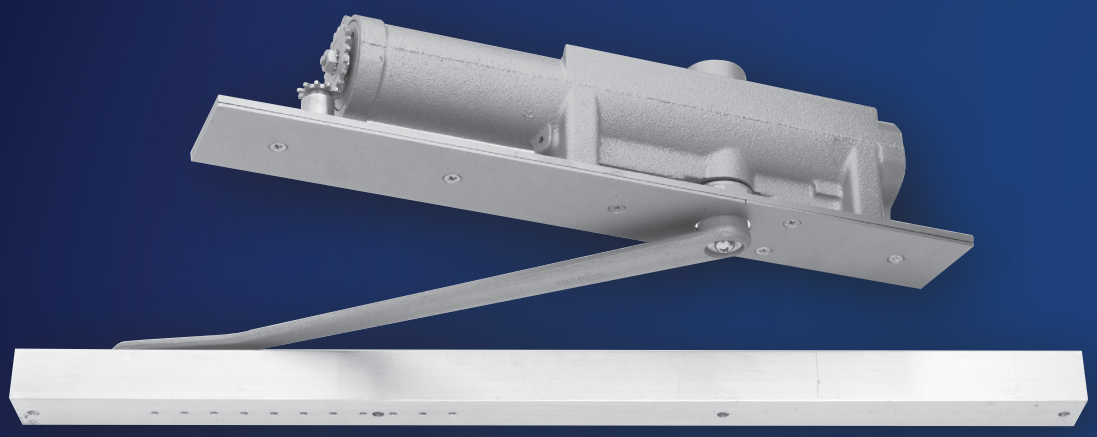
SARGENT®

ASSA ABLOY

PRODUCT CATALOG

268, 269 & 278 Concealed Door Closers



Experience a safer
and more open world

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The SARGENT line of concealed in frame door closers provide the ultimate in aesthetics and security for door closer installations. Closers are available for interior and exterior applications, overweight doors and for doors that must meet ADA requirements. When security is desired the concealed nature of the 268/269 closer provides a high degree of resistance to abuse since the arm, track and closer is completely concealed when the door is closed. This characteristic also lends itself well to high end architectural openings.

Model	Adjustable Closing Power (BHMA Sizes)	Handed	Arm Type	Delayed Action	Hold open Feature	Application
268	1 2 3 4 5 6	Yes	Concealed Track	Option	Optional	Interior Doors
269	1 2 3 4 5 6	Yes	Concealed Track	Option	Optional	Exterior or Heavy Interior Doors
278	1 2 3 4 5 6	No	Exposed Double Lever	N/A	Option	Exterior or Interior Doors

ANSI APPLICATIONS

SARGENT	ANSI
268-O, 269-O	CO5031 & CO5041
268-H	CO5111
268-OB, 269-OB	CO5031 & CO5041
278-H	CO5091
278-O	CO5011

UNDERWRITERS' LABORATORIES LISTING

All SARGENT 268, 269 & 278 Door Closers have been listed by the Underwriters Laboratories, Inc. as follows:

"The SARGENT 268 and 278 door closers can be used on NON-FIRE RATED wood doors."

"For Self-Closing Doors Without Hold-Open Feature"

Complies with UL 10C Positive Pressure Fire Test.

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

WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

On The Cover

SARGENT 268-O Concealed Door Closer with Standard Arm

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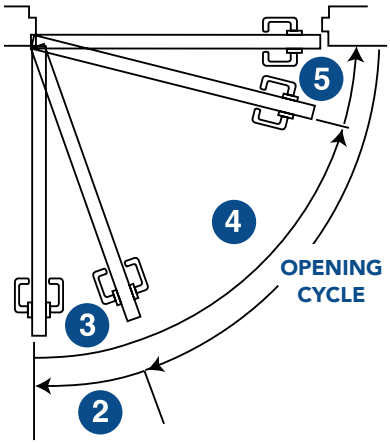
General Information

1 Closer Spring Adjustment (not shown)
- Not shown in door closer cycle diagram
- Affects the entire cycle of the door closer movement
- Used to size closer for application requirements (1 through 6)
- Determines the amount of force with which the door closes and the amount of force required to open the door
- Adjustable to compensate for door size and draft conditions

2 Backcheck valve
- At approximately 70° of the open cycle, the Backcheck Valve begins to slow the door's motion
- Prevents the door from slamming into the door's stop
- Valve is used to control the intensity of the Backcheck
- **Note:** A Positive stop is required, Backcheck cannot be used as a stop

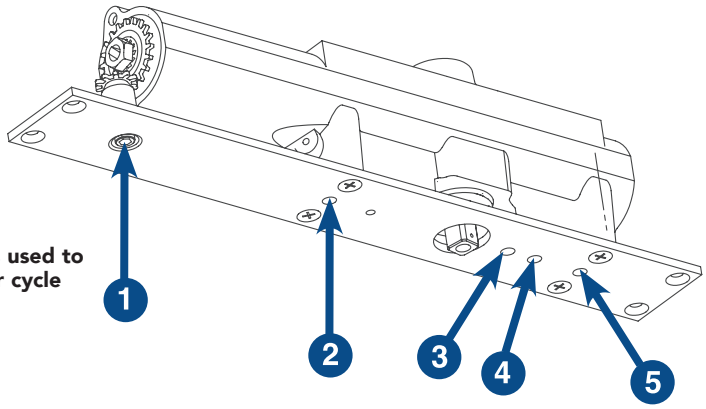
DOOR CLOSER CYCLE



3 Delayed action valve (optional)
- Holds the door in the open position momentarily
- 20 second minimum hold open delay
- Beneficial when moving carts or objects thru door opening

4 Closing speed valve
- Controls how fast the door closes to approximately 8" from the closed position, along with the closer spring

5 Latching speed valve
- Controls the speed of the door during the final 8" of door swing
- The force, the door closes with is controlled by Closer spring
- **Note:** This adjustment is critical for door latching



SUGGESTED ARCHITECT'S SPECIFICATION FOR THE 268, 269 & 278 POWERGLIDE® DOOR CLOSER

1. All closers for both interior and exterior doors shall be the product of one manufacturer and be matched in style.
2. Full rack and pinion construction.
3. Closing speed, latching speed and backcheck shall be controlled by key operated valves.
4. Delayed action feature shall be available and controlled by a separate valve. Delayed action shall be available in addition to, not in lieu of, backcheck. (Not available with 278 Closers).
5. The one piece closer body shall be of close grained porous free cast iron.
6. An increase of 15% in closing power shall be provided by means of adjustment of the arm leverage at the foot connection. (278 Only).
7. All arms shall be finely finished with heavy duty forged steel main arm.
8. The spindle shaft shall be sealed hydraulically with an "O" ring.
9. The 268, 269 door closer shall be mounted overhead and concealed with no exposed surfaces when door is in closed position.
10. The 278 closer shall have a fully overhead concealed body with exposed forged steel arm.
11. Closers should have two pressure relief valves standard (opening and closing cycles).
12. All closers to have a 10 year limited warranty.
13. Closers comply with UL 10C Positive Pressure Fire Test (for hollow metal door and frames only).

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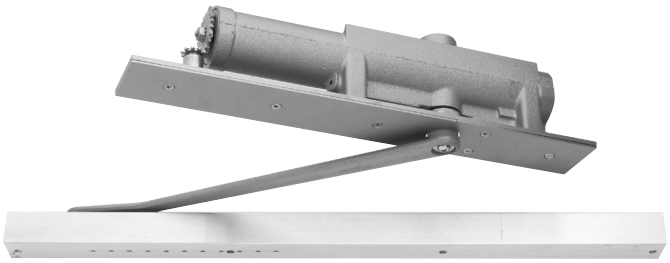
268 Features and Benefits

The SARGENT 268 Door Closer provides security and aesthetics by completely hiding the door closer, track and arm in the door and frame.



268 FEATURES AND BENEFITS

Strength & Durability
- Conforms with Standard UL 10C for positive pressure fire test
- UL and cUL Listed for use on fire doors having a rating up to and including 3 hours (hollow metal frames and doors only - no wood doors)
- 10 Year warranty
- One piece cast iron body
- 1-1/2" dia. piston for superior door control
- Heat treated spindle and piston for years of reliable service
- Captivated brass valves provide easy door control while preventing accidental valve removal

Aesthetics & Flexibility
- Powder coated and plated finishes available to match SARGENT door trim
- Concealed track, arm and closer
- Closing force adjustable through a range of BHMA sizes
- Optional hold open and bumper features available
- All-weather fluid allows closer to operate properly in extreme cold and hot environments without readjustment

Security
- Heavy duty forged steel arm
- Concealed in-frame design inhibits possible tampering
- Security screws available
- Concealed door position switch available
- Pressure relief valves allow closer to absorb abusive forces, preventing damage to doors and frames

PRODUCT DETAILS FOR 268

- Fully concealed closer body concealed in the frame head
- Track fully concealed in door. Arm is only visible when door is open
- 1-3/4" (44mm) min. door thickness
- Arms are forged steel with bearing roller
- Aluminum track
- Metal closer faceplate furnished standard
- Handed - Order the same hand as the door
- Closing force adjustable 2 through 4
- Closers are factory preset for 3' door width
- Delayed action option available
- Auxiliary door stop required
- Door weights - up to 250 lbs.

FINISHES

Finishes	ANSI/ BHMA	Description
4	606	Satin brass, clear coated
10B	613	Dark oxidized satin bronze, oil rubbed
10BE	613E	Dark oxidized satin bronze - equivalent
14	618	Bright nickel plated, clear coated
15	619	Satin nickel plated, clear coated
26D	626	Satin chromium plated
BSP	—	Black Suede Powder Coat
WSP	—	White Suede Powder Coat
EN	689	Aluminum sprayed or powder coated
EP	691	Bronze sprayed or powder coated to match 10
EB	695	Bronze sprayed or powder coated to match 10B
EAB	696	Brass sprayed or powder coated

AVAILABLE ARMS

Arm Type	Max Door Opening	Degree of Hold Open or Stop
O - Standard Arm	180°	N/A
OB - Standard Arm with Bumper to assist backcheck	140°	140°
H - Hold Open Arm	110°	85°-110°
HB - Hold Open Arm with Bumper to assist backcheck	110°	110°

Note: Rubber bumper in the track is to assist backcheck in light-duty interior applications only

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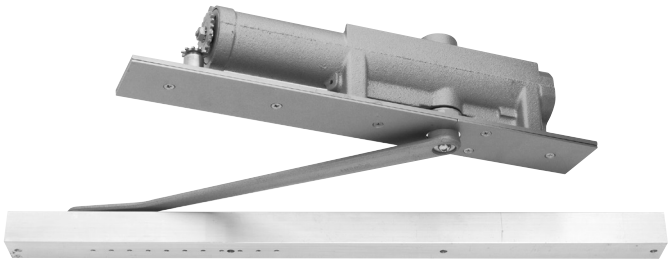
269 Features and Benefits

The SARGENT 269 Door Closer provides an ideal solution when a concealed door closer is required on heavy large doors opening to 180°. The closer is specially designed to provide strong closing power at opening angles beyond 100° when many concealed closers lose power.



269 FEATURES AND BENEFITS

Strength & Durability
- Conforms with Standard UL 10C for positive pressure fire test
- UL and cUL Listed for use on fire doors having a rating up to and including 3 hours (hollow metal frames and doors only - no wood doors)
- 10 Year warranty
- One piece cast iron body
- 1-1/2" dia. piston for superior door control
- Double heat treated spindle and piston for years of reliable service
- Captivated brass valves provide easy door control while preventing accidental valve removal

Aesthetics & Flexibility
- Powder coated and plated finishes available to match SARGENT door trim
- Concealed track, arm and closer
- Closing force adjustable through a range of BHMA sizes
- Optional bumper features available
- All-weather fluid allows closer to operate properly in extreme cold and hot environments without readjustment

Security
- Heavy duty forged steel arm
- Concealed in-frame design inhibits possible tampering
- Security screws available
- Concealed door position switch available
- Pressure relief valves allow closer to absorb abusive forces, preventing damage to doors and frames

PRODUCT DETAILS FOR 269

- Specially designed spring to close heavy doors
- Fully concealed closer body concealed in the frame head
- Track fully concealed in door. Arm is only visible when door is open
- 1-3/4" (44mm) min. door thickness
- Arms are forged steel with bearing roller
- Aluminum track
- Metal closer faceplate furnished standard
- Handed - Order the same hand as the door
- Closing force adjustable from size 4 to 5
- Delayed action option available
- Auxiliary door stop required
- Removable stop required for door widths under 2"
- Door weights - up to 250 lbs.

FINISHES

Finishes	ANSI/ BHMA	Description
4	606	Satin brass, clear coated
10B	613	Dark oxidized satin bronze, oil rubbed
10BE	613E	Dark oxidized satin bronze - equivalent
14	618	Bright nickel plated, clear coated
15	619	Satin nickel plated, clear coated
26D	626	Satin chromium plated
BSP	—	Black Suede Powder Coat
WSP	—	White Suede Powder Coat
EN	689	Aluminum sprayed or powder coated
EP	691	Bronze sprayed or powder coated to match 10
ED	693	Black sprayed or powder coated to match 10B
EB	695	Bronze sprayed or powder coated to match 10B
EAB	696	Brass sprayed or powder coated

AVAILABLE ARMS

Arm Type	Max Door Opening	Degree of Hold Open or Stop
O - Standard Arm	180°	N/A
OB - Standard Arm with Bumper to assist backcheck	140°	140°

Note: Rubber bumper in the track is to assist backcheck in light-duty interior applications only

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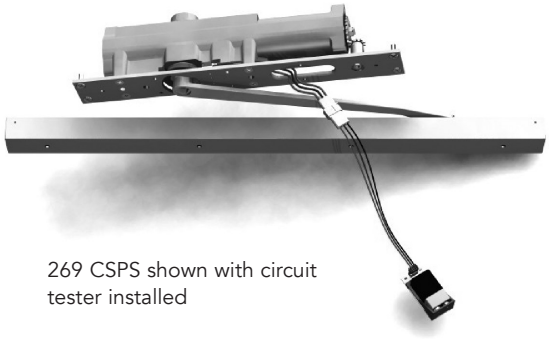
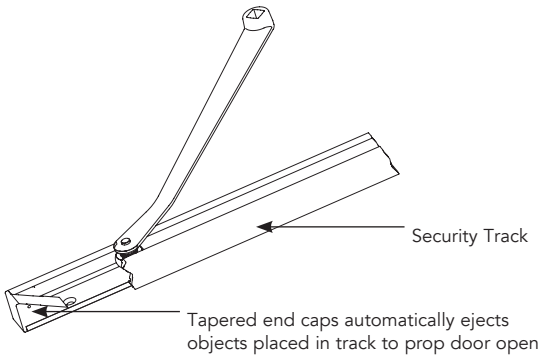
268 & 269 Security Packages

The SARGENT concealed closer security packages provide a vandal-resistance design ideal for correctional institutions and other abusive environments. Both the 268 and 269 closer bodies are available with security packages.



269 CSPS shown with circuit tester installed



SECURITY PACKAGES***

CSP - Closer Security Pack
- Includes security track that automatically ejects foreign material
- Heavy duty steel cover plate protects adjusting valves from possible tampering
- Tamper resistant security screws provided for track and closer cover plate
- Requires different templating from standard 268 or 269

CSPS - Closer Security Pack with Switch
- Same as CSP with a field adjustable single pole double throw Door Position Switch to interface with security and alarm systems
- Contacts are rated at 120/250VAC, 10.1 amp resistive load
- Switch equipped with a 3 wire color coded 12" 18 gauge wire harness
- Switch contact point can be adjusted without removing closer from frame

CSPD - Closer Security Pack with Double Switch
- Same as CSPS except a double pole, double throw switch is included with two 3 wire color coded 12" 18 gauge Wire Harness
- Contacts are rated at 120/250VAC, 10.1 amp resistive load
- Switch contact point can be adjusted without removing closer from frame

CIRCUIT TESTER

A battery powered Circuit Tester is available to verify the switch contact point at the door location without removing the closer from the frame. The switch is connected to the closer through a slot provided on all SARGENT CSPS and CSPD closers.

The Circuit Tester is ordered as part # 63-4335.

EXTENDED WIRING HARNESS

An 84" Extended Wiring Harness is available to incorporate the closer's security pack into the buildings security.

The Extended Wiring Harness is ordered as part # 63-4332

Note: CSPD requires two harnesses (63-4332), one for each switch

*** Delayed Action option is not available with 268, 269 & 278 Closers with the Security Packages (CSP, CSPS & CSPD)

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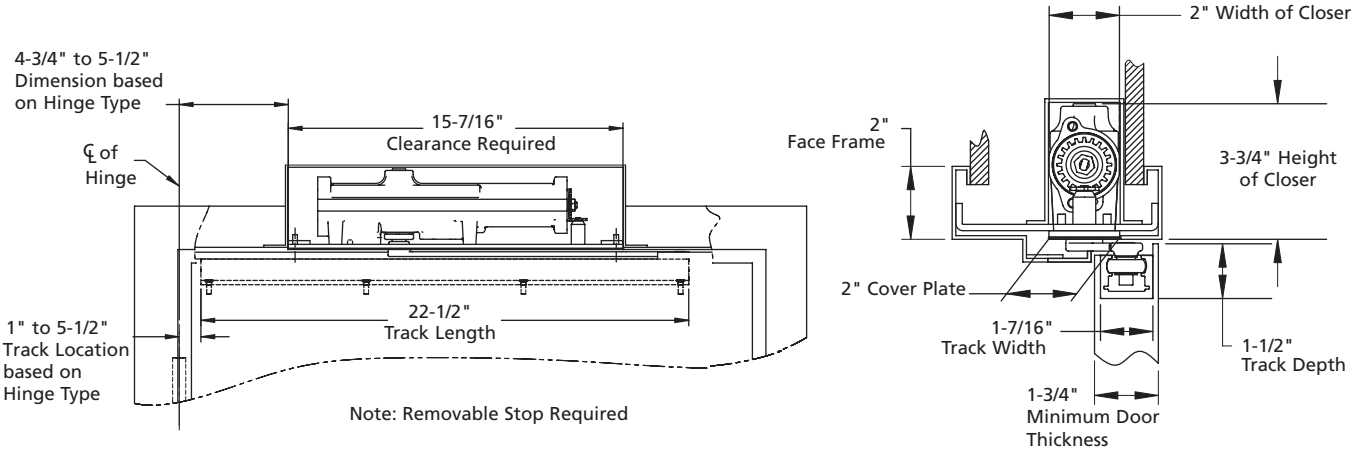
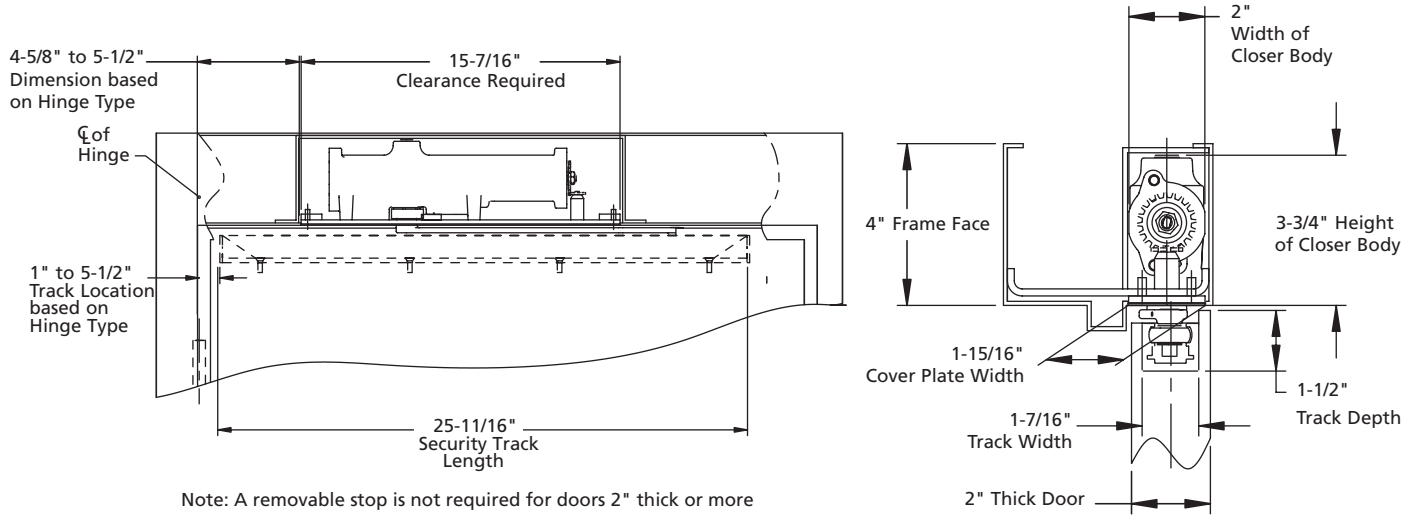
268 & 269
Installation Details

268 2" FACE FRAME INSTALLATION



268/269 CSP/CSPS/CSPD 4" FACE FRAME & 2" DOOR INSTALLATION DETAILS (SECURITY TRACK SHOWN)



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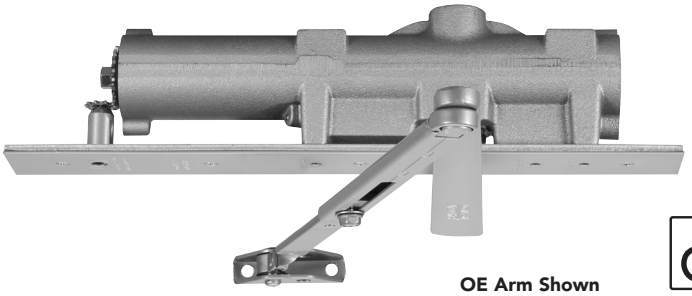
278 Exposed Arm Features and Benefits



OE Arm Shown

278 FEATURES AND BENEFITS

Strength & Durability
- Conforms with Standards UL 10C "Positive Pressure Fire Tests of Door Assemblies"
- One piece cast iron body
- 1-1/2" dia. piston for superior door control
- Heat treated spindle and piston for years of reliable service
- Captivated brass valves provide easy door control while preventing accidental valve removal

Aesthetics & Flexibility
- Powder coated and plated finishes available to match SARGENT door trim
- Closing force adjustable through a range of BHMA sizes
- Optional hold open feature available
- Adjustable to meet ADA requirements
- All weather fluid allows closer to operate properly in extreme cold and hot environments without readjustment

Security
- Forged steel main arm
- Concealed in-frame design inhibits possible tampering
- Security screws available
- Pressure relief valves allow closer to absorb abusive forces, preventing damage to doors and frames

ADA Compliance: Door closers, adjusted to meet ADA conditions or other reduced opening force requirements, may lack adequate closing power to properly latch a door when draft or other conditions exist.

PRODUCT DETAILS FOR 278

- ADA compliant
- Semi Concealed: Closer body concealed in frame head and closer arm attaches to the surface of the door face
- Removable stop required (supplied)
- Closer faceplate furnished
- Arm assembly are forged and wrought steel
- Handed - Order the same hand as the door
- Closing force adjustable 1 thru 6
- Suitable for interior doors up to 5' wide
- Suitable for exterior doors up to 4' wide
- Closers are factory preset for 3' door width
- Closers can be factory preset upon request
- Auxiliary door stop required
- Door weights - up to 250 lbs.

FINISHES

Finishes	ANSI/ BHMA	Description
EN	689	Aluminum sprayed or powder coated
EP	691	Bronze sprayed or powder coated to match 10
EB	695	Bronze sprayed or powder coated to match 10B
EAB	696	Brass sprayed or powder coated
BSP	—	Black Suede Powder Coat
WSP	—	White Suede Powder Coat

AVAILABLE ARMS

Arm Type	Max Door Opening	Degree of Hold Open or Stop
O - Standard Arm	180°	N/A
H - Hold Open Arm	110°	85° – 110°

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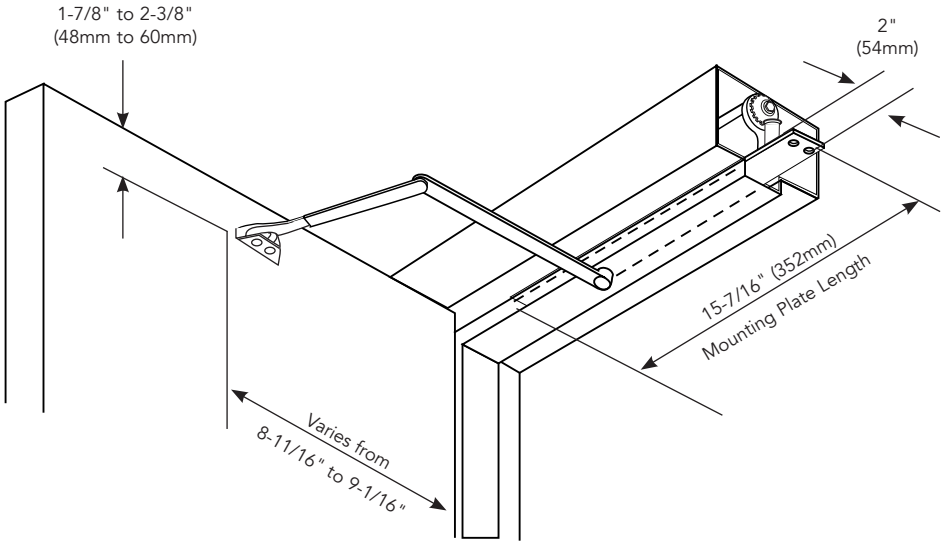
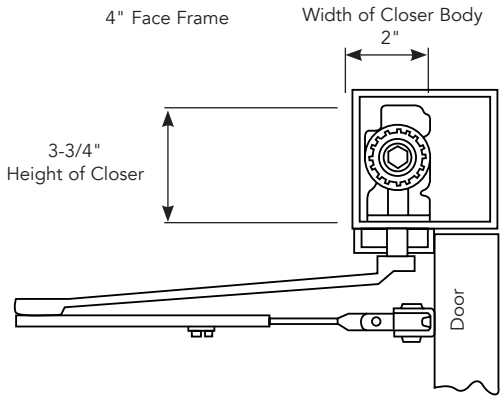
278 Exposed Arm Installation Details

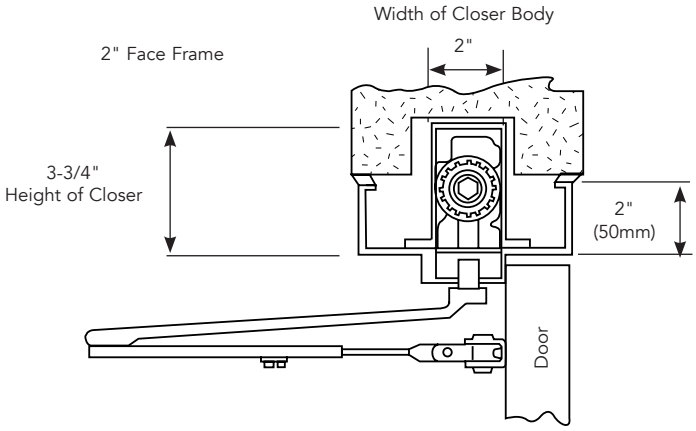
278 DOOR CLOSER



SINGLE RABBETED FRAME SHOWN



DOUBLE RABBETED FRAME SHOWN



AVAILABLE ARMS

OE - Standard Arm
- Regular 278 arm
- Non-handed

Includes:
63-4430 - Main arm
63-2216 - Foot assembly
63-3640 - Screw pack

278-H HOLDER ARM
- Adjustable friction holder
- Non-handed
- Permits 180° door opening

For arm only, order 25-H

Includes:
63-2229 - Main arm
61-2303 - Foot assembly
63-3642 - Screw pack

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268, 269 & 278
Special Conditions and How To Order

SPECIAL CONDITIONS

Standard templates are available on the SARGENT website. For special applications, consult SARGENT technical services.

Series	Number per Carton	Approx. wt per Carton
268, 269 & 278	1-Standard	10 lbs.

Fastener Options: Optional 6 lobe screws. Specify 36- Option.

SPRAY PAINT

Touch up spray paint available in the following colors: EB, ED, EN, EP, EAB

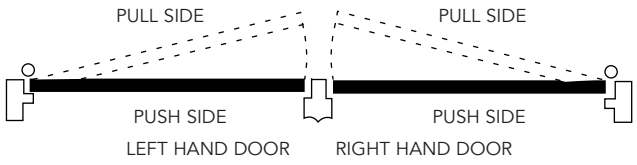
SPECIAL RUST INHIBITOR PROCESS (SRI-)

Additional process for closer body provides extra layer of protection for extreme corrosive environments.

Not available with plated finishes.

278 SERIES, THROUGH BOLTS AND MORTISE NUTS

- Through-bolts are available. Specify TB- option for 1-3/4" (44mm) thick doors; for thicker doors, specify 31-TB- include door thickness
- Through-bolting for 2-1/4" (57mm) thick hollow metal doors require bridge type reinforcement to prevent collapse of top rail when through-bolts are tightened



HOW TO ORDER CLOSER BODY ONLY

For 268 Closer Body only	Specify: CB-268 x hand
For 269 Closer Body only	Specify: CB-269 x hand
For 278 Closer Body only	Specify: CB-278 x hand

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How To Order a Complete Door Closer

HOW TO ORDER A COMPLETE DOOR CLOSER

36-	268	H	26D	RH
Options	Closer	Arm	Finish	Hand

Options	
36-	6-Lobe Screws (Security Torx - Machine Screws Only)
DA-	Delayed Action***
SRI-	Corrosion Protection - Closer Body Only
TB-	Through Bolts - (278 Only)
Door Closer Series	
268	Concealed Closer 2-4
269	Concealed Closer 4 & 5
278	Concealed Closer 1-6
Arms/Tracks	
O	Standard Arm (268 & 269)
OE	Standard Arm (278)
H	Hold Open Arm (268 & 278)
OB	Std Arm & Bumper (268 & 269)
HB	Hold Open Arm With Bumper (268)
CSP	Security Track (268 & 269)
CSPS	Security Track w/ Switch (268 & 269)
CSPD	Security Track w/ 2 Switches (268 & 269)
Finish	
EB	Bronze Enamel To Match 10B
ED	Black Enamel To Match 20D
EN	Aluminum Enamel
EP	Bronze Enamel To Match US10
EAB	Brass Enamel To Be Used With Brass Finishes
04	Satin Brass with Clear Powder Coat
10B	Oxidized Satin Bronze, Oil Rubbed
26D	Satin Chrome
BSP	Black Suede Powder Coat
WSP	White Suede Powder Coat
Hand	
RH	Right Hand
LH	Left Hand

*** Delayed Action not available with 278 closers
*** Delayed Action not available with 268 & 269 with security packages (CSP, CSPS & CSPD)

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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SARGENT®

ASSA ABLOY

PRODUCT CATALOG

281 Series Powerglide® Cast Iron Door Closer

Experience a safer
and more open world

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The 281 Powerglide® line of surface door closers has been engineered to meet the demands of architects and building owners. The 281 Series is a complete line of closers for interior and exterior doors with quality and flexibility to meet virtually every application.

Primary Closer Arm Identification Letters	
O	Standard Arm
H	Hold Open Arm
Z	Deep Reveal Arm 2-1/8" – 5"
ZA	Extra Deep Reveal Arm 5-1/8" – 8"
P	Parallel Arm or Push Side
S	Arm with Positive Stop
C	Arm with Positive Cushioned Stop "C" is always accompanied by an "S" (Stop)

Note: Often more than one letter is used to describe one type of arm

UNDERWRITERS' LABORATORIES LISTING

c UL us LISTED

All SARGENT Powerglide® Door Closers are listed by the Underwriters' Laboratories, Inc. as follows:

"For Self-Closing Doors Without Hold-Open Feature"
Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

CAUTION: Door Closers for Low Opening Force Applications:
Door closers installed in openings required to meet the requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door based on opening or site conditions.

WINDSTORM

281 door closers are UL certified for inswing and outswing single and pair (up to 8'0" x 8'0") door assemblies to ICC 500 for Storm Shelters. Closer bodies are thru-bolt mounted to the doors. Additionally, the 281 meets FEMA 361 guidelines. The 281 closer is part of a complete ASSA ABLOY tornado and hurricane shelter solutions utilizing Ceco StormPro 361, Curries StormPro 361, Fleming F5 doors and frames and McKinney SP hinges

On The Cover

SARGENT 281 Door Closer with US26 plated O arm and metal cover

⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

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General Information

All Weather Fluid
All 281 Series closers are equipped with fluid that allows the units to operate effectively in extreme temperatures without readjustment.

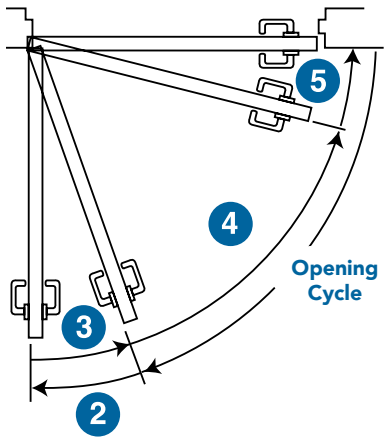
FINISHES

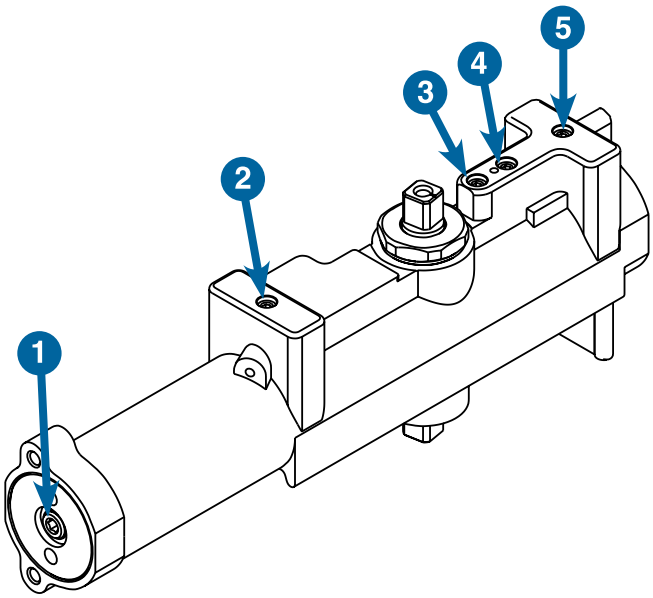
Powder coated and plated finishes are available. See How to Order page 19.

ANSI/BHMA SPECIFICATIONS

- The 281 Series door closers are certified to the ANSI/ BHMA A156.4 Grade 1 requirements
- UL 10C listed for positive pressure fire test

Door Closer Cycle





HOW TO SELECT THE PROPER CLOSER

Things to Consider

1. Size and Weight of Door
The 281 Door Closer is non-sized so that closing force can be adjusted in the field to accommodate various door sizes and weights.

2. Interior Application
The standard application is the most efficient in terms of power and control.

3. Exterior Application
The top jamb, corner bracket or parallel arm application should be used. Exterior doors require greater closing forces because of draft conditions. Always place the closers out of the weather.

4. Degree of Opening
Proper arm and position on the door is most important to permit the door to open far enough to allow adequate traffic flow.

5. Function
Closers are available with hold-open or positive stop arms.

6. Special Condition
Consult factory when special hinges, overhead holders or other specialized hardware is used.

1 Closer Spring Adjustment (not shown)
- Effects the entire cycle of the door closer movement
- Used to size closer for application requirements
- Determines the amount of force with which the door closes and the amount of force required to open the door
- Adjustable to compensate for door size and draft conditions

2 Backcheck Valve
- At approximately 70° of the open cycle, the backcheck valve begins to slow the door's motion
- Prevents the door from slamming into the door's stop
- Valve is used to control the intensity of the backcheck
- **Note**: A Positive stop is required, Backcheck cannot be used as a stop

3 Delayed Action Valve (Optional)
- Holds the door in the open position momentarily
- 20 second minimum hold open delay
- The feature is available for all applications and arms
- Beneficial for ADA applications and when moving carts or objects through door opening

4 Closing Speed Valve
- Controls how fast the door closes to approximately 8" from the closed position

5 Latching Speed Valve
- Controls the speed of the door during the final 8" of door swing
- The force the door closes with is controlled by the closer spring
- **Note:** This adjustment is critical for door latching

ANSI Standards

Arm	Type	Arm	Type
O	CO2011	PF9	CO2101
P9	CO2021	P10	CO2021
H	CO2051	PS/CPS	CO2021
PH9	CO2061	CPSH/PSH	CO2061

All are certified ANSI types including options PT4 A, B, D, E, F, G, H

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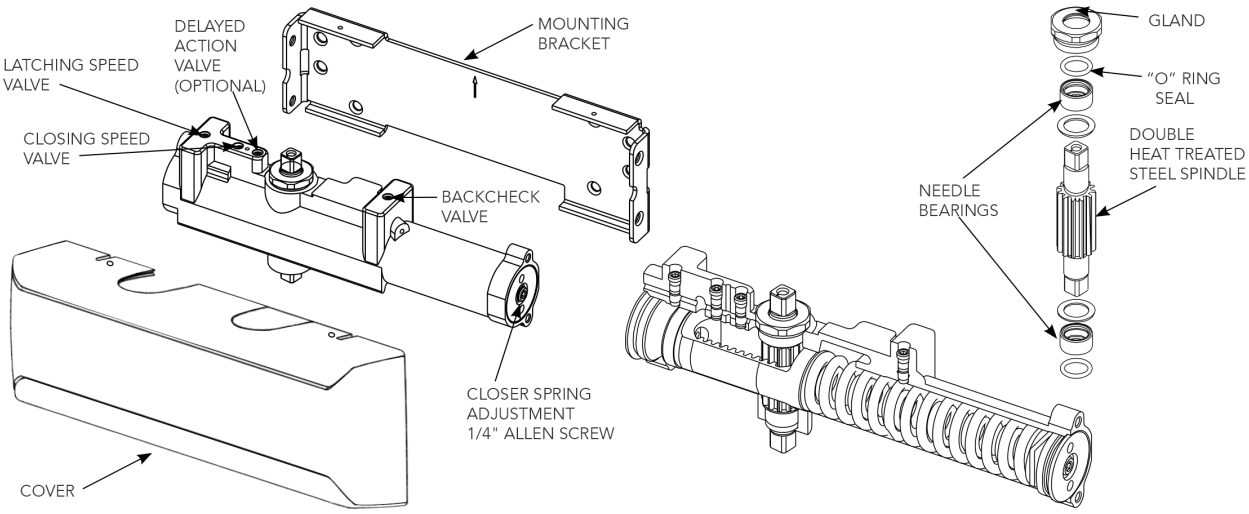
Features and Benefits



The 281 Series complies with ADA for reduced open forces of 5 lbs. for interior and 8 lbs. for exterior doors.

Features
- Certified ANSI/BHMA A156.4 Grade 1
- UL 10C listed for positive pressure fire test
- UL / cUL Listed for use on fire rated doors
- 30-year limited warranty
- User friendly versatile mounting applications permit standard, top jamb, parallel and track installations
- Self sticking templates supplied for most applications
- Adjustable spring power allows 281 closers a size range of 1 through 6. They are adjusted to size 3 before leaving the factory
- One door closer body for all applications
- 281 are non-handed
- Meets ADA requirements in all applications, except Push Side Track application (except track)
- High impact non-corrosive plastic covers with two machine screws standard, ABS covers, metal covers and lead lined are optional
- All weather fluid allows closer to operate effectively in extreme temperatures without readjustment
- 1-1/2" diameter piston for superior door control
- Standard pressure relief valves for both opening and closing cycles protect the door & frame from damage caused by abuse
- Heavy duty mounting bracket for easy installation of full size iron closer
- Retrofits existing SARGENT 250 and 1250 Series Closer installations
- The Advanced Backcheck (ABC) option begins to slow the door down at approximately 15° sooner than standard backcheck in the open cycle. The (ABC) option is used when the door needs to slow down earlier than the standard back check of 70°
- Door weight: 250 lbs.

Heavy Duty Construction
- Heat treated full rack and pinion for high strength & wear resistance
- Heavy duty one piece cast iron body provides superior strength and wear resistance
- 1/2" arm engagement over a 7/16" square spindle ensures a wear-resistant tight joint

Fasteners
- Machine Screws and self tapping screws provided for closer and arm
- In addition, wood screws supplied when installed on wood doors without through bolts

Full Complement of Arm Types
- Standard and parallel arms
- Push and pull track arms
- Security track
- Security parallel arm
- Heavy duty forged steel arms are finely finished and interchangeable between SARGENT 281 and 1431, 250, 1250 and 351 Series

Valves
- Separate brass low sensitivity control valves offer ability to separately regulate door speed, latching, backcheck and optional delayed action
- All valves are captured to prevent accidental removal, adjustable with an 1/8" allen wrench
- Adjustable backcheck protects the door and hardware from damage during the opening cycle. Not to be used in lieu of a door stop
- Adjustable delayed action (optional) permits easy access for physically impaired individuals

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Suggested Architect's Specifications

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ARCHITECTURAL SPECIFICATIONS

1. All closers for both interior and exterior doors shall be the product of one manufacturer and be matched in style.
2. Surface closers shall be adjustable to provide sizes 1 through 6 and comply with ADA.
3. Full rack and pinion construction.
4. Closing speed, latching speed and backcheck shall be controlled by key operated valves.
5. Delayed action feature shall be available and controlled by a separate valve. Delayed action shall be available in addition to, not in lieu of, backcheck.
6. The one piece closer body shall be of close grained porous free cast iron with a minimum wall thickness of 5/32" (4mm).
7. An increase of 15% in closing power shall be provided by means of adjustment of the arm leverage at the foot connection. (Standard Arm)
8. All arms shall be finely finished with heavy duty forged steel main arm.
9. Two mounting positions of the closer shall meet all requirements. Standard mountings shall provide 120° door opening and alternate mounting 180° door opening.
10. All closers shall be suitable for standard, corner bracket, top jamb, parallel arm and track type applications when provided with proper brackets and arms.
11. Closer covers shall be of high impact plastic material of flame retardant grade, secured by machine screws.
12. Projection of closer body from door shall not exceed 2-3/16" (56mm).
13. Closers shall be non-handed to meet a variety of door conditions and design requirements.
14. The spindle shaft shall be sealed hydraulically with an "O" ring.
15. Specify desired options such as: Metal Cover, Security Package, (SRI) Special Rust Inhibitor Process (ABC) Advanced Back Check, (TB) Through-bolting, (DA) Delayed Action and Architectural Plated Finishes.
16. Closers should have two pressure relief valves (opening and closing cycles).
17. All closers to have a 30-year limited warranty.
18. Closers should comply with UL 10C Positive Pressure Fire Test.

The 281 door closer is designed to meet the opening force requirements established by the Americans with Disabilities Act defining 5 lbs. of opening force for interior and 8 lbs. for exterior doors. A special spring design affording easier access and allowing exterior door control is used. Where excessive draft and pressure conditions exist or when extra heavy doors are used, the spring should be adjusted for a stronger setting. Meeting ADA requirements can be achieved at all applications shown above with simple spring adjustment. Various field conditions (drafts) exist that make the use of ADA adjustments ineffective.

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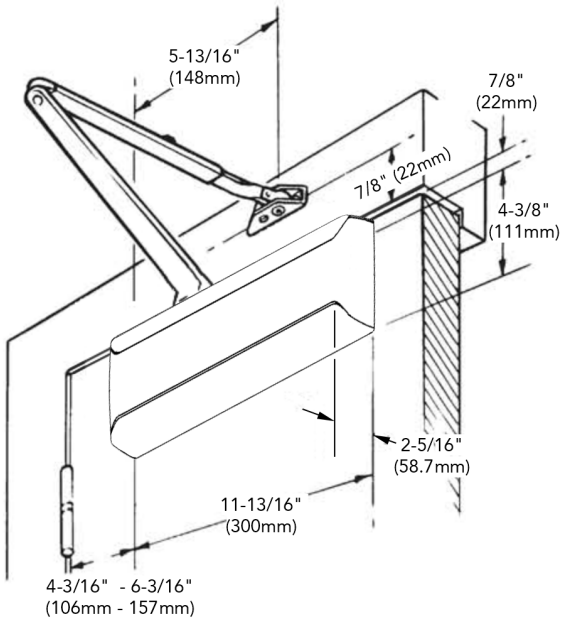
Standard Applications

The standard application of the 281 door closer is the most common providing high degree of door control and range of power adjustment. The closer is mounted on the pull side of the door with the arm mounted on the face of the frame. When the door opens, the arm passes over the top of the door.

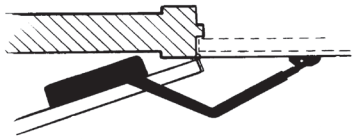
281-O STANDARD APPLICATION



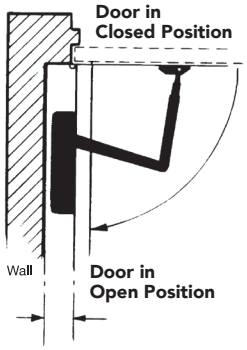
281 STANDARD APPLICATION FOR:

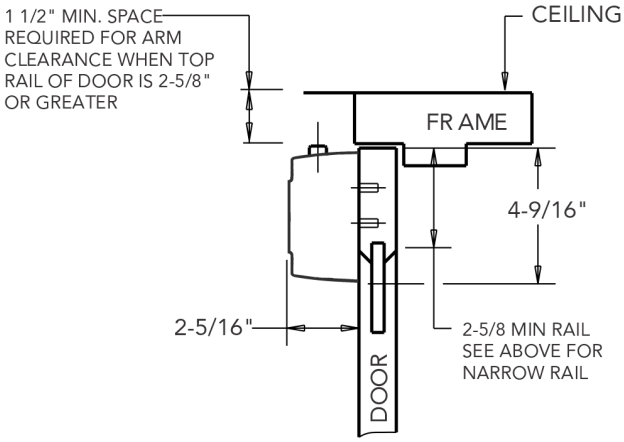
- Interior Doors Opening In or Out
- Exterior Doors Opening In
- 1-1/2" minimum frame face with a 2-5/8" door top rail or greater

Note: Base on the application & arm; verify door & frame requirements using the appropriate template



Cover Projection normally limits door opening to 160°





Regular Duty Standard Arms

For use in moderate duty institutional applications

- Two piece sliding arm provides flexibility and ease of installation
- Double jointed arms allow flexibility in vertical mounting position
- Friction hold open arm available
- Mortised feet available for special frame applications

Heavy Duty Standard Arms

For use in abusive or high use installations

- Solid forged steel arms provide strength
- Friction hold open arm available
- Oil bronze bearings provide a high degree of wear resistance
- 2 piece rigid arms for ease of installation

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Arms for Standard Applications

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REGULAR DUTY STANDARD ARMS

O - Standard Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Permits 120° door opening with standard mounting
- Permits 180° door opening with alternate mounting or corner bracket
- Order as 25-O x finish for arm only

Includes:
- 63-2607 - Main arm and link assembly
- 63-2216 - Foot assembly
- 63-3481 - Screw pack

H - Hold Open Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Hand is changed by inverting the foot assembly
- Friction type holder easily adjustable
- Permits 180° door opening
- Holds open from 80° – 180°
- Order as 25-H x finish for arm only

Includes:
- 63-3070 - Main arm and swivel assembly
- 61-2303 - Foot assembly
- 63-3481 - Screw pack

O8 - Mortise Foot Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Permits 120° door opening
- Commonly used with bull nose frames
- Order as 25-O8 x finish for arm only

Includes:
- 63-2607 - Main arm and link assembly
- 63-2273 - Foot assembly
- 63-3481 & 63-2391 - Screw packs

H8 - Mortise Foot Hold Open Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Handed same as door
- Friction type holder easily adjusted by a wrench
- Holds open from 80° – 180°
- Order 25 R-H8 for right hand and 25 L-H8 for left hand x finish for arm only

Includes:
- 63-3070 - Main arm & link assembly
- 63-2289 - Left hand foot assembly
- 63-2290 - Right hand foot assembly
- 63-2290RH - Foot assembly
- 63-3481 & 63-2391- Screw packs

OLC - Standard Arm for Low Ceiling

- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Must be used when the distance between the top of door to ceiling is between 1 -1/4" – 1 -1/2"
- Permits 120° door opening with standard mounting
- Order as 25-OLC x finish for arm only

Includes:
- 63-2549 - Main arm and link assembly
- 63-2216 - Foot assembly
- 63-3481 - Screw pack

UH Package

- Universal hold open arm package provides brackets and arms to install closer in top jamb, standard or parallel applications

Screw packs
63-3481 & 63-2391

125-PH9

UO Package

- Universal arm package provides brackets and arms to install closer in standard top jamb or parallel applications

Screw packs
63-3481 & 63-2391

125-P9

HEAVY DUTY STANDARD ARMS

O10 Heavy Duty Standard Arm

- Forged Steel Arm
- Non-handed
- Permits 110° door opening with standard mounting
- Permits 180° door opening with alternate mounting
- Order as 25-O10 x finish for arm only

Includes:
- 63-0792 - Main arm
- 63-4309 - Foot assembly
- 63-3481 - Screw pack

H10 - Hold Open Heavy Duty Standard Arm

- Forged Steel Arm
- Non-handed
- Hand is changed by inverting the foot assembly
- Friction type holder easily adjusted by a wrench
- Permits 180° door opening
- Holds open from 80° – 180°
- Order as 25-H10 x finish for arm only

Includes:
63-0792 - Main arm
63-4308 - Foot assembly
63-3481 - Screw pack

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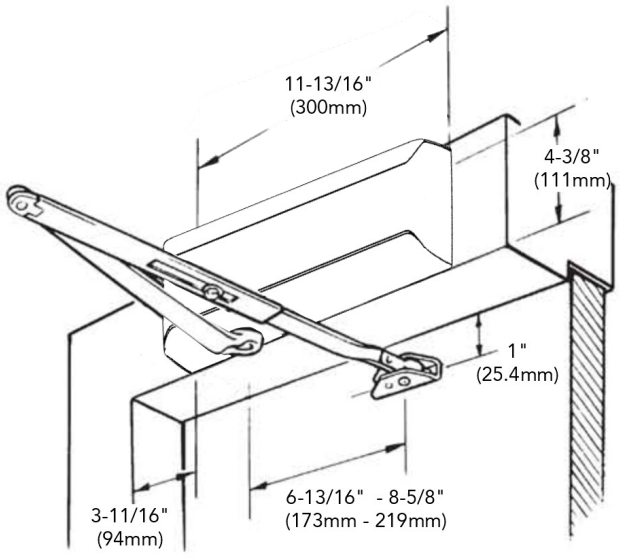
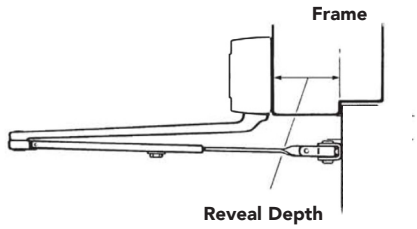
Top Jamb Applications

Top Jamb Application – The 281 closer is mounted on the frame face above the door. The foot is mounted on the push side of door. This application is for use on exterior doors opening out to protect the closer from the weather. The Frame Face must be at least 4-3/8". With the 281-B mounting plate, the rail must be at least 1-7/16" min.

281-O TOP JAMB MOUNTING POSITION



TOP JAMB



281 TYPICAL REVEAL TOP JAMB APPLICATIONS

For reveals up to 2" (51mm) maximum
- O Arm - Max. Door Opening: 180°
- H Arm - Hold Open Range: 80°–180°

281 Deep Reveal Top Jamb Applications
For reveals from 2-1/8" (54mm) to 5" (127mm)
- OZ Arm - Max. Door Opening: 140°
- HZ Arm - Hold Open Range: 80°–140°

281 Extra Deep Reveal Top Jamb Applications
For reveals from 5-1/8" (130mm) to 8" (230mm)
- OZA Arm - Max. Door Opening: 140°
- HZA Arm - Hold Open Range: 80°–130°

MINIMUM FRAME FACE REQUIRED

- 4-3/8" minimum frame face for both single and double rabbeted frames
- 1-7/16" minimum frame face with 281-B Mounting Plate

Note: Base on the application & arm; verify door & frame requirements using the appropriate template

MINIMUM DOOR TOP RAIL REQUIRED TO MOUNT CLOSER FOOT

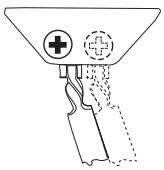
- 1-7/8" (48mm) minimum
- Rail height used will vary depending on type and make of auxiliary holder

Note: Base on the application & arm; verify door & frame requirements using the appropriate template

ADJUSTABLE CLOSING FORCE

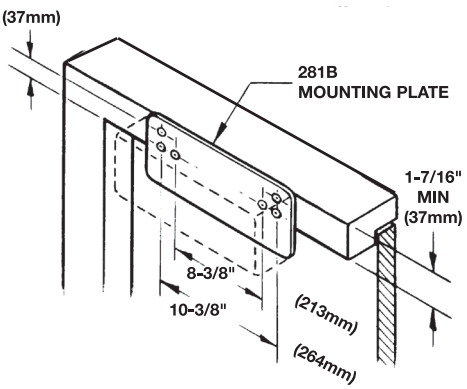
- Interior doors to 5'0" wide
- Exterior doors to 4'0" wide
- Shipped factory preset for 3'0" door
- Factory pre-sized upon request

Arm Leverage Adjustment
Closers using "O" arms have the provision to increase closing power by 15% by adjusting foot pivot



TOP JAMB APPLICATION FOR LOW CEILINGS USING 281-B MOUNTING PLATE

- Required for low ceiling condition and narrow face frames
- 1-7/16" minimum frame face for 281-B Mounting Plate
- Available w/powder coat or plated finish to match cover
- Non-handed
- Plate mounting screws included
- Order as 281-B x finish



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Arms for Top Jamb Applications

NARROW REVEAL ARMS

O - Standard Arm

- Forged Steel Arm 11-1/4" (286mm) long
- For reveals up to 2" (51mm)
- Non-handed
- Permits 180° door opening
- Order as 25-O x finish for arm only

Includes:

- 63-2607 - Main arm and link assembly
- 63-2216 - Foot assembly
- 63-3481 - Screw pack

H - Hold Open Arm

- Forged Steel Arm 11-1/4" (286mm) long
- For reveals up to 2" (51mm)
- Adjustable friction holder
- Non-handed
- Permits 180° door opening
- Order as 25-H x finish for arm only

Includes:

- 63-3070 - Main arm and link assembly
- 61-2303 - Foot assembly
- 63-3481 - Screw pack

DEEP REVEAL ARMS

OZ - Standard Arm for Deep Reveals

- Forged Steel Arm 11-1/4" (286mm) long
- For reveals from 2-1/8" (54mm) – 5" (127mm)
- Non-handed
- Permits 140° door opening
- Order as 25-OZ x finish for arm only

Includes:

- 63-2607 - Main arm and link assembly
  63-2217 - Foot assembly
  63-3481 - Screw pack

HZ - Hold Open Arm for Deep Reveals

- Forged Steel Arm 11-1/4" (286mm) long
- For reveals from 2-1/8" (54mm) – 5" (127mm)
- Adjustable friction holder
- Non-handed
- Permits 140° door opening
- Order as 25-HZ x finish for arm only

Includes:

- 63-2230 - Main arm and link assembly
- 61-2303 - Foot assembly
- 63-3481 - Screw pack

EXTRA DEEP REVEAL ARMS

OZA - Standard Arm for Extra Deep Reveal

- Forged Steel Arm 11-1/4" (286mm) long
- For reveals 5-1/8" (130mm) – 8" (203mm)
- Non-handed
- Permits 140° door opening
- Order as 25-OZA x finish for arm only

Includes:

- 63-2607 - Main arm and link assembly
- 63-2218 - Foot assembly
- 63-3481 - Screw pack

HZA - Hold Open Arm for Extra Deep Reveal

- Forged Steel Arm 11-1/4" (286mm) long
- For reveals 5-1/8" (130mm) – 8" (203mm)
- Adjustable friction holder
- Non-handed
- Permits 140° door opening
- Order as 25-HZA x finish for arm only

Includes:

- 63-2231 - Main arm and link assembly
- 61-2303 - Foot assembly
- 63-3481 - Screw pack

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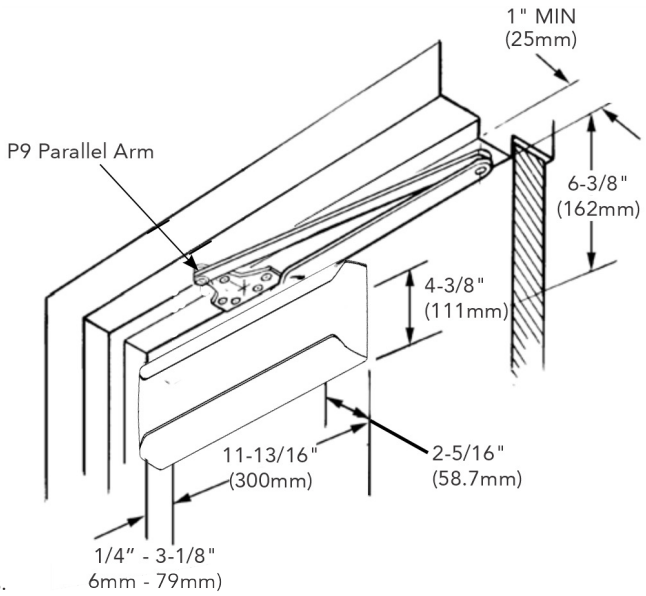
Parallel Arm Applications

Parallel Arm Application – The 281 closer is mounted on the push side of the door. As the door opens, the closer swings with the door and gives full headroom in the door opening. Other advantages are that the closer arm does not project into the room, the frame can be quite narrow and the door can be swung open much further than in Top Jamb Applications. However, the closing force is not as great.

281-P9 REGULAR PARALLEL ARM APPLICATION



281-P9 PARALLEL APPLICATION

- 4-3/8" minimum door top rail with a minimum of 6-7/8" unobstructed door top rail

281-P10 PARALLEL APPLICATION

- 5" minimum door top rail with a minimum of 6-3/4" unobstructed door top rail
- 3" minimum soffit, when less than 3" use a 125V bracket

Note: Base on the application & arm; verify door & frame requirements using the appropriate template

Heavy Duty Parallel Arms For use in high traffic and abusive environments
- Forged steel arm and cast iron foot bracket for strength and durability
- Oiled bronze bearings for superior wear resistance
- 2 piece rigid arms for ease of installation
- Friction and positive hold open arms available
- Use friction hold open arms for doors subject to moderate hold open use
- Dead stop and compression stop arms available
- Security non-hold open arms available

Regular Duty Parallel Arms
- For use in moderate duty institutional applications
- Double jointed arm provides flexibility in the vertical mounting position of closer
- Flush frame arms available for use with Auxiliary Holders & Stops
- Flush frame, friction hold open arms available
- Friction hold open arms available
- Use friction hold open arms for doors subject to moderate hold open use
- Use offset bracket arms with auxiliary holders and stops

Non Hold Open Arms
- Two mounting positions for 120° and 180° maximum door openings

Stop & Stop/Hold Open Arms
- 6 mounting positions allow stop from 85°–110° with PS, PSH, CPS & CPSK arms

Standard Mounting Position
- 120° Maximum door opening
- Holding range of friction hold open arms: 75° – 110°

Alternate Mounting Position
- Maximum door opening: 180°
- Holding range of friction hold open arms: 85° – 170°

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Heavy Duty Parallel Arms

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P10 - Heavy Duty Parallel Arm

- Forged Steel Arm, 11-1/4" (286mm) long
- Non-handed
- Easily installed
- Permits 120° opening at standard mounting
- Permits 180° opening at alternate mounting
- Order as 25-P10 x finish for arm only

Includes:
- 63-0641 - Main arm
- 63-3727 - Arm and bracket assembly
- 63-3481 & 63-2392 - Screw packs

PH10 - Heavy Duty Friction Hold Open Parallel Arm

- Equipped with adjustable friction holder
- Adjustable hold open from 75° – 180°
- Forged steel arm, 11-1/4" (286mm) long
- Handed same as door
- Use friction hold open arms for doors subject to moderate hold open use
- Order as 25-PH10 x finish for arm only

Includes:
- 63-0641 - Main arm
- 63-3839 - Left hand arm and bracket assembly
- 63-3840 - Right hand arm and bracket assembly
- 63-3481 & 63-2392 - Screw packs

PD10 - Heavy Duty Parallel Drop Arm

- Arm to be used with surface overhead applied stops
- Forged Steel Arm, 11-1/4" (286mm) long
- Lowers closer 1-1/4" on door
- Non-handed
- Easily installed
- Permits 120° opening at standard mounting
- Permits 180° opening at alternate mounting
- Order as 25-PD10 x finish for arm only

Includes:
- 63-0641 - Main arm
- 63-4317 - Arm and bracket assembly
- 63-3481 & 63-2392 - Screw packs

HEAVY DUTY HOLD OPEN AND STOP ARMS

Common features:
- Forged steel arms
- Non-handed
- Easy installed and adjusted
- Use positive stop hold open arms for doors subjected to repetitive hold open

PS - Heavy Duty Parallel Arm with Positive Stop

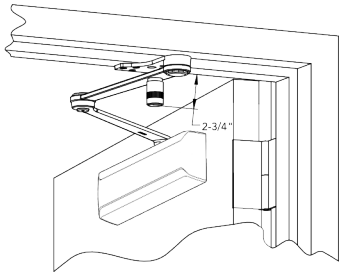
- Provides built in stop from 85° – 110°
- Order as 25-PS x finish for arm only

Includes:
- 63-0641 - Main arm
- 63-3837 - Arm and bracket assembly
- 63-3481 & 63-2392, 63-2396 - Screw packs

CPS - Heavy Duty Parallel Arm with Compression Stop

- Provides built in compression stop from 85° – 105°
- Dead stop within 3°
- Order as 25-CPS x finish for arm only

Includes:
- 63-0641 - Main arm
- 63-3830 - Arm and bracket assembly
- 63-0516 - Bumper holder
- 63-3493 - Bumper
- 63-3481 & 63-2398 - Screw packs



The PSH and CPSH arms project 2-3/4" below the head stop

PSH - Heavy Duty Parallel Hold Open Arm with Positive Stop

- Adjustable hold open tension
- Hold open function may be disengaged
- Permits 85° – 110° door opening
- Order as 25-PSH x finish for arm only

Includes:
- 63-0641 - Main arm
- 63-3833 - Arm and bracket assembly
- 63-3481 & 63-2392, 63-2396 - Screw packs

CPSH - Heavy Duty Hold Open Parallel Arm with Compression Stop

- Adjustable hold open tension
- Hold open function may be disengaged
- Provides built in compression stop and holder mechanism from 85° – 105°
- Dead stop within 3°
- Order as 25-CPSH x finish for arm only

Includes:
- 63-0641 - Main arm
- 63-3836 - Arm and bracket assembly
- 63-0516 - Bumper holder
- 63-3493 - Bumper
- 63-3481 & 63-3487 - Screw packs

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Regular Duty Parallel Arms

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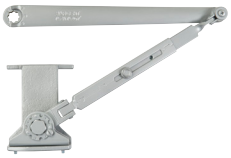
ASSA ABLOY

HOLD OPEN ARMS

PH4 - Flush Frame, Friction Hold Open Arm



- Forged Steel Arm 11-1/4" (286mm) long
- Holds open from 75° – 180°
- Easily adjusted by wrench
- Non-handed
- Use on frames where stop or soffit is too narrow to mount the standard hold open foot bracket

Order as 25-PH4 x finish for arm only

Includes:
- 63-3070 - Main arm and link assembly
- 61-2303 - Foot assembly
- 64-0050 - Foot bracket
- 63-3481 & 63-2391 - Screw packs

PH9 - Friction Hold Open Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Holds open from 75° – 180°
- Easily adjusted by wrench
- Non-handed

Order as 25-PH9 x finish for arm only

Includes:
- 63-3070 - Main arm and link assembly
- 61-2303 - Foot assembly
- 64-0039 - Foot bracket (125 PH9)
- 63-3481 & 63-2391 - Screw packs

OFFSET BRACKET ARMS

P3 - 1" Offset Bracket for use with Auxiliary Holder/Stop

- Forged Steel Arm 11-1/4" (286mm) long
- For use with auxiliary surface overhead stops and holders
- Foot bracket is offset 1" more than P-9, allowing door closer to be lowered on door face
- Non-handed
- Order as 25-P3 x finish for arm only

Includes:
- 63-2607 - Main arm and link assembly
- 63-2270 - Foot assembly
- 63-3481 & 63-2391 - Screw packs

P3A - 1-3/4" Offset Bracket for use with Auxiliary Holder/Stop

- Forged Steel Arm 11-1/4" (286mm) long
- For use with auxiliary surface overhead stops and holders and door coordinators
- Foot bracket lowers door closer an additional 3/4" below P3 bracket
- Non-handed
- Order as 25-P3A x finish for arm only

Includes:
- 63-2607 - Main arm and link assembly
- 63-2274 - Foot assembly
- 63-3481 & 63-2391- Screw packs

P4 - 1" Offset Flush Frame Arm for use with Auxiliary Holder/Stop

- Forged Steel Arm 11-1/4" (286mm) long
- Foot bracket is attached to frame or transom face
- Foot bracket is offset 1" more than P9, allowing door closer to be lowered on door face
- For use where stop or soffit is too narrow for the standard P9
- Permits 120° opening with standard mounting
- Permits 180° opening with alternate mounting
- Non-handed
- Order as 25-P4 x finish for arm only

Includes:
- 63-2607 - Main arm and link assembly
- 63-2295 - Foot assembly
- 63-3481 & 63-2391 - Screw pack

P4A - 1-3/4" Offset Flush Frame Arm for use with Auxiliary Holder/Stop

- Forged Steel Arm 11-1/4" (286mm) long
- For use with auxiliary surface overhea stops and holders
- Foot bracket is attached to frame or transom face
- Foot bracket lowers door closer an additional 3/4" below P4 bracket
- Non-handed
- Order as 25-P4A x finish for arm only

Includes:
- 63-2607 - Main arm and link assembly
- 63-2272 - Foot assembly
- 63-3481 & 63-2391 - Screw packs

P9 - Standard Parallel Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Order as 25-P9 x finish for arm only

Includes:
- 63-2607 - Main arm and link assembly
- 63-3405 - Foot assembly
- 63-3481 & 63-2391 - Screw packs

UO Package

- Universal arm package provides arms and brackets to install closer in standard top jamb or parallel application

Screw packs 63-3481 & 63-2391

125-P9

UH Package

- Universal hold open arm package provides brackets and arms to install closer in top jamb standard or parallel applications

Screw packs 63-3481 & 63-2391

125-PH9

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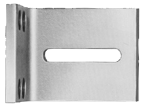
Accessories For Parallel Applications

HEAVY DUTY PARALLEL ARM ACCESSORIES

581-2 Blade Stop Spacer Kit

- For frames with 1/2" blade stops
- For use with P10, PH10, PS, PSH, CPS and CPSH arms
- 125-V bracket included
- Packed with 1-1/4" long screws
- Use P/N 64-0157 to order blade stop only

125-V/125-VF Brackets



125-V

125-VF

- For use with all heavy duty parallel arms
- Use 125-V for narrow stop and frame conditions
- Use 125-VF for flush door and frame conditions

Spacer 63-0191

- 1/2" x 5/8"
- Included standard with PS, PSH, PH10, P-10 CPS and CPSH arm for use with rabbited frames

REGULAR DUTY PARALLEL ACCESSORIES

125-P3 Arm Conversion Unit

- Converts O or P9 arm to P3 Parallel arm

125-P3 Arm Conversion Unit

- Converts O or P9 arm to P3 Parallel arm

125-P3A Arm Conversion Unit

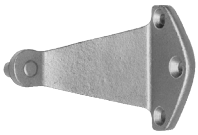
- Converts O or P9 arm to P3A Parallel arm

125-PH9 Parallel Arm Foot

- Converts standard hold open (H) arm to PH9 Parallel Hold Open Arm

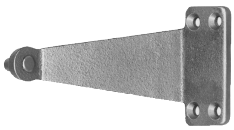
125-P4 Conversion Unit

- Converts O or P9 arm to P4 arm



125-P4A Arm Conversion Unit

- Converts O or P9 arm to P4A arm



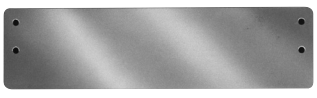
581-1 Blade Stop Spacer Kit

- For frames with 1/2" blade stops
- For use with P9, PH9 and PF9 arms only
- Packed with 1-1/4" long screws

MISCELLANEOUS ACCESSORIES

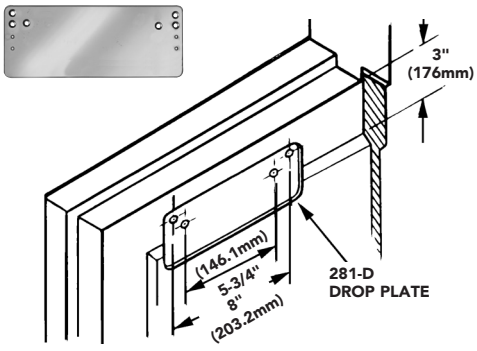
281-J Cover Plate

- Can be used to improve appearance when narrow door rail permits closer to be viewed through glass panel
- Use 281-J-2 plate when retrofitting 250/251 Series door closer



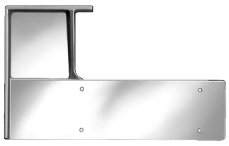
281-D Drop Plate

- Required for parallel arm applications when top rails are less then 5 3/4"
- Requires 3" (76mm) minimum top rail
- Available with powder coat or plated finish to match closer
- Non-handed – Plate mounting screws included
- Order as 281-D x finish



281-W Corner Bracket

- Fastens securely to both the head and jamb
- Malleable iron, painted to match closer finish
- Non-handed
- Requires 1-1/4" (32mm) minimum wide stop
- Order as 281-W x finish



Covers

- Available in plastic (standard), ABS, Metal, or Lead Lined
- Lead Lined covers are available as a special. Consult factory for pricing

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Track Type Applications

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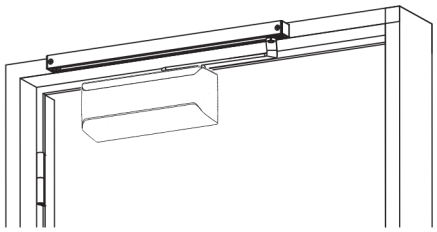
Pull Side Mounting (Hinge Side)

Push Side Mounting (Stop Side)

Double Egress Frame Mounting (Stop Side Deep Reveal) OD Shown



281 Track Type Application offers a number of options such as built in bumpers and holders. Along with its clean appearance, it is a favorite for many interior designers. It has the versatility of being mounted on either side of a door for the clean unobstructed appearance without the cost of concealed closers and tracks.

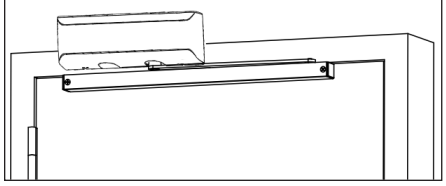
OT Track Arm
- Track mounts on frame face "OT"
- Minimum top rail required without mounting plate: 2-3/8"

Note: Based on the application; verify door & frame requirements using the appropriate template

Maximum Door Opening
- 160° with standard track
- 120° with optional bumper track
- 180° with ideal conditions for standard track

Hold Open Range
- 85° – 120°

281 OT - Installed in Top Jamb Application. Use template A7975A



POT Track Arm
- Track mounts on frame stop "POT"
- Minimum top rail required without drop plate: 4-3/4" (121mm)
- With 281D Drop Plate 3" (76mm)

Maximum Door Opening
- 100° with standard track
- 95° with optional bumper track

Hold Open Range
- 85° – 95°

Minimum Soffit Required
- 1-9/16" (40mm) wide

OD Double Egress Track Arm
- Forged steel arm
- Handed
- Special frame profile required
- For use with 3" – 4" reveals
- Non standard frame required

Maximum Door Opening
- 160° with standard track
- 120° with optional bumper track

Hold Open Range
- 85° – 120°

Track
- Extruded aluminum track
- End caps finished to match track

Arm
- Forged steel
- Bearing roller

Bumper (Optional)
- Mounts in track to assist backcheck
- Not designed to be used as a stop
- Auxiliary stop is required
- Available for both regular or hold open tracks

Holder (Optional)
- Mounts within the track
- Adjustable latch tension and position

Finishes
- EAB, EB, ED, EN, EP powder coat on all exposed surfaces

Arm & Track	Description/Options
281—OT	Pull
281—OTB	Pull with Bumper
281—HT	Pull with Holder
281—HTB	Pull with Holder and Bumper
281—OD	Pull Double Egress (Handed) (Non-standard frame required)
281—ODB	Pull Double Egress with Bumper (Handed) (Non-standard frame required)
281—HD	Pull Double Egress with Holder (Handed) (Non-standard frame required)
281—HDB	Pull Double Egress with Holder and Bumper (Handed) (Non-standard frame required)
281—POT	Push
281—POTB	Push with Bumper
281—PHT	Push with Holder
281—PHTB	Push with Holder and Bumper

Note: Two mounting applications are available

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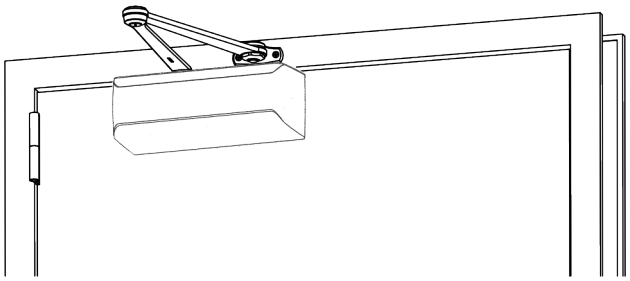
Standard and Parallel Arm Security Solutions

With its heavy duty cast iron construction, the 281 door closer is an ideal choice when selecting a closer for detention or security applications. While no surface mount door closer is impervious to all situations, the forged steel arms, metal cover and security screws give the 281 line of security closers a high tolerance for extreme abuse.

STANDARD HEAVY DUTY SECURITY APPLICATIONS

When the strongest closing forces are required in rough environments, the SARGENT SSO arm is the best choice.

SSO - Standard Heavy Duty (Pull Side)



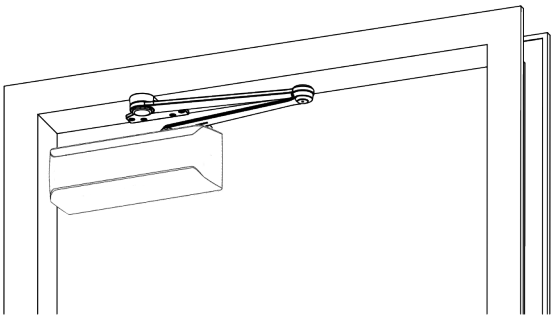
Order as 25-SSO x finish for arm only
Includes:
- *Security arm and screw pack*

SSO Features:
- Metal cover (handed) with tamper proof security screws
- Factory assembled arm to prevent tampering
- Heavy duty forged steel arms that will endure abuse
- Oil bronze bearings in arms for superior wear resistance
- Non-handed arms and closer – only the cover is handed
- Permits 180° opening with alternate mounting if adjacent frame does not interfere with cover
- All exposed fasteners are Security Torx machine screws

PARALLEL ARM SECURITY APPLICATION

The SARGENT parallel application security arm provides increased resistance to abuse with a similar range of closing forces as the SSO.

SSP - Heavy Duty (Push Side)



Order as 25-SSP x finish for arm only
Includes:
- *Security arm and screw pack*

SSP Features:
- Metal cover (handed) with tamper resistant security screws
- Factory assembled arm to prevent tampering
- Heavy duty forged arms that will endure abuse
- Non-handed arm and closer – only the cover is handed
- Oil bronze bearings in arms for superior wear resistance
- Permits 180° opening with alternate mounting if adjacent wall and frame do not interfere with cover
- All exposed fasteners are Security Torx machine screws

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Track Type Security Solutions

SECURITY TRACK ARM APPLICATIONS

With the arm tucked tightly between the top of the closer and the bottom of the track, SARGENT track type security closers provide the greatest resistance to abuse of any surface mount closer. Push and pull side applications are available.

General Features
- Forged steel arm with integrated roller
- Tamper proof security torx machine screws are provided for all exposed fasteners
- Metal cover (handed)
- Track is mounted to frame with four screws
- Track design ejects foreign objects from within track

SSPT - Pull Side Mounting (Hinge Side)

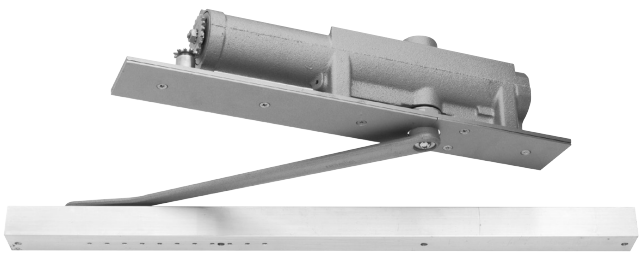
SSPT Features
- Security track with adapter bar mounted on pull side
- Track mounts to the frame face; minimum width 2-3/8"
- Maximum door opening 160°

Note: Based on the application; verify door & frame requirements using the appropriate template

PSSPT - Push Side Mounting (Stop Side)

PSSPT Features
- Security track mounts on stop for push side
- Track mounts on frame stop; Minimum stop required 1-11/16"
- Maximum door opening 100°

Note: Based on the application; verify door & frame requirements using the appropriate template



268 Concealed Security Closers
For the highest degree of security and resistance to abuse, select a SARGENT 268/269 concealed door closer. See our Concealed Door Closer Catalog

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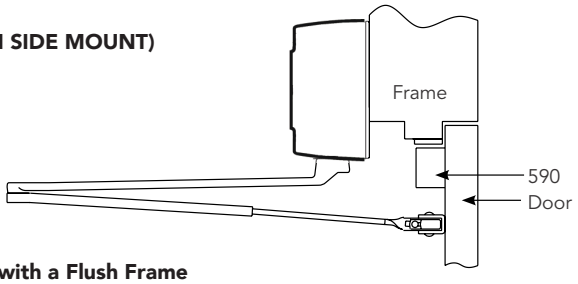
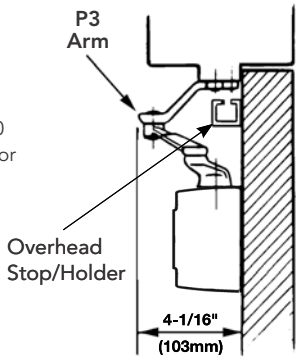
Overhead Stop/Holder Compatibility

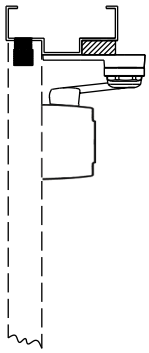
When a floor or wall stop cannot be used, the highest level of door control is provided through the use of a SARGENT door closer and a SARGENT overhead stop or holder. While door closer arms are available with stop and holder options, they are limited in their ability to withstand extreme abuse. Overhead stops absorb abusive loads using a heavy compression spring that distributes the load to the frame. SARGENT overhead stops and holders are designed for years of abuse and come with a 5 year warranty.

FREQUENTLY USED OVERHEAD STOPS USED WITH THE 281 SERIES

- **Standard Door Closer Applications (PULL SIDE MOUNT) Not Shown**
  590 Series Holder/Stop with 281-O
  690 Series Holder/Stop with 281-O
  1530 Series Holder/Stop with 281-O
  1540 Series Holder/Stop with 281-O
- **Parallel Arm Door Closer Applications (PUSH SIDE MOUNT)**
  590 Series Holder/Stop with 281-P3
  590 Series Holder/Stop with 281-PD10
  690 Series Holder/Stop with 281-P9
  690 Series Holder/Stop with 281-P10
  1530 Series Holder/Stop with 281-P9
  1530 Series Holder/Stop with 281-P10
  1540 Series Holder/Stop with 281-P3
  1540 Series Holder/Stop with 281-PD10
- **Parallel Arm Door Closer Applications Used with a Flush Frame**
  590 Series Holder/Stop with 281-P4
  690 Series Holder/Stop with 281-P4
  1530 Series Holder/Stop with 281-P4
  1540 Series Holder/Stop with 281-P4
- **Inverted Top Jamb Applications**
  590, 690, 1530, 1540 Series with either 281, 351, 1430 Series and "O" 0Z, 0ZA Arm







Note: This chart is only a quick reference. Some applications may require the use of a 145 or 195 angle bracket

For applications not shown, refer to the SARGENT Overhead Holders & Stop catalog

SPECIAL CONDITIONS

The SARGENT Website (www.sargentlock.com) contains templates for all common applications of SARGENT Door Closers with SARGENT overhead door holders. To insure a satisfactory installation for other holders, it is recommended that complete details be submitted as follows:

- Type, size and make of holder
- Holding position (maximum door opening)
- Submit holder template being used
- Closer application being used
- Size and type of hinge

In the case of unusual door, frame and hinge conditions where regular products do not meet requirements, submit drawings and complete details specifying the degree of door openings required, the type and size of hinge and the maximum door opening angle.

Through Bolts and Mortise Nuts

- When through-bolting is ordered, factory will furnish mortise nuts for use with the machine screws furnished with the closer
- Nuts are sized to accommodate 1-3/4" (44mm) standard or 1-3/8" (35mm) thick doors when specified on order
- For 2-1/4" (57mm) thick doors, through-bolts will be furnished with mortise nuts
- A bridge type reinforcement is required to prevent collapse of top rails when through-bolts are tightened (required on hollow metal doors)

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How to Order and Options

PACKING

- Closer assemblies are packaged 2 per carton - total weight 20lbs

HOW TO ORDER

CPC-DA	281-	P4H	26	LH
Options	**Series**	**Closer Arm**	**Finish**	**Hand**
31- 36- 74- ABC- CPC- DA- MC- SRI- TB- EC-	281	Standard Page 7 Top Jamb Page 9 Parallel Pages 11 & 12 Track Type Page 14	EB ED EN EP EAB 03* 04* 09* 10* 10B* 10BE 10BL* 14* 15* 20D* 26* 26D* BSP WSP	LH RH

* These finishes are automatically provided with a metal cover

OPTIONS AVAILABLE

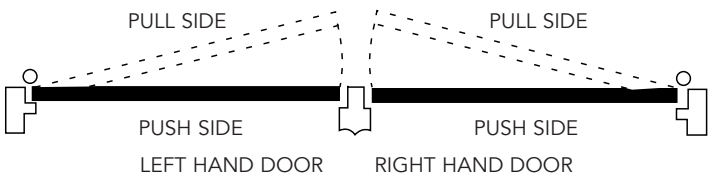
Specify	Detailed Description
31-	For doors 1-7/8" – 2-1/4" thick, specify door thickness, doors over 2-1/4" thick contact factory
36-	Security Torx Screws
74-	Lead lined cover
ABC-	Advanced Back Check
CPC-	Clear Powder Coat (available on 26 & 26D)
DA-	Delayed Action
MC	Handed Metal Cover
SRI-	Special Rust Inhibitor finish for powder coated finishes (closer body only)
TB-	Through Bolt (1-3/4" Std) For others, specify TB- & door thickness

Note:
- The MC- option is used when a metal cover is desired on a powder coated finish
- When MC- is added to a plated finish, the MC- option indicates that only the cover is to be plated, the arms will be powder coated to match
- Do not specify the MC- option if both the cover and arms are to be plated

NOTE:
- Before installing a door closer, verify the accessibility, fire, and life-safety requirements that are in effect. This includes the mounting height and projection into the clear opening. Check the adopted state and local building codes and consult the Authority Having Jurisdiction (AHJ).
- To maintain the warranty and ensure proper operation of the product, follow the installation instructions & templates and install on the inside of the building.
- Consult NFPA 80 for the hinge requirements on a fire door.
- Failure to use fasteners supplied with closer may void factory warranty.
- Optional fasteners are available for a variety of applications. Consult the door and frame manufacturer to ensure the proper fasteners are used to maintain certifications.
- Sizing charts are based on 1-3/4" x 7' standard weight doors swinging to 110°. Other application conditions (e.g. larger door heights or weight) may require larger size closer. Adjusting the spring power to meet the low opening force requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, may not provide adequate closing power to dependably close and latch the door in some conditions (i.e. air movement from wind gusts or building stack pressure).

How To Order Accessories		Example
Arm only	Specify: 25- arm required x finish	25-PSH EN x hand
Closer Body only	Specify: CB-281 (Options DA & ABC available)	CB-281
Arm Conversion Units	Specify: Unit x finish	125-P4 x EB
Cover (Standard ABS Plastic)	Specify: 281-C x finish	281-C x EB
Old Cover (ABS Plastic)	Specify: 281-CEC x finish	281-CEC x EP
Accessories	Specify: accessory x finish See applicable catalog section	281-D EB

Note: When complete closer assembly is ordered with an accessory, order accessory as a separate item



Special Rust Inhibitor Process (SRI)

Additional process provides an extra layer of protection for extreme corrosive environments. Available with powder coated finishes only, specify SRI- as an option when ordering.

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Finishes

FINISHES

Finishes	ANSI/BHMA	Description
EB	695	Bronze powder coated to match finish 10B
EN	689	Aluminum powder coated
ED	693	Black powder coated to match finish 20D
EAB	696	Brass powder coated
EP	691	Bronze powder coated to match finish 10
03	605	Bright brass, clear coated
04	606	Satin brass, clear coated
09	611	Bright bronze, clear coated
10	612	Satin bronze, clear coated
10B	613	Dark oxidized satin bronze, oil rubbed
10BE	613E	Dark oxidized satin bronze – equivalent
10BL	614	Oxidized satin, bronze, clear coated
14	618	Bright nickel plated, clear coated
15	619	Satin nickel, clear coated
20D	624	Statuary dark bronze, clear coated
26	625	Bright chromium plated
26D	626	Satin chromium plated
BSP	—	Black Suede Powder Coat
WSP	—	White Suede Powder Coat

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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SARGENT®
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PRODUCT CATALOG

351 Series Powerglide® Door Closer

Experience a safer
and more open world

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ASSA ABLOY

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The 351 Powerglide® line of surface door closers has been engineered to meet the demands of architects and building owners. The 351 Series is a complete line of closers for interior and exterior doors with quality and flexibility to meet virtually every application.

Primary Closer Arm Identification Letters

O	Standard Arm
H	Hold Open Arm
Z	Deep Reveal Arm 2-1/8" – 5"
ZA	Extra Deep Reveal Arm 5-1/8" – 8"
P	Parallel Arm or Push Side
S	Arm with Positive Stop
C	Arm with Positive Cushioned Stop "C" is always accompanied by an "S" (Stop)

Note: Often more than one letter is used to describe one type of arm

UNDERWRITERS' LABORATORIES LISTING

All SARGENT Powerglide® Door Closers are listed by the Underwriters' Laboratories, Inc. as follows:

c UL us LISTED

"For Self-Closing Doors Without Hold-Open Feature"
Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

On The Cover

SARGENT 351 Door Closer with an O arm

General Information

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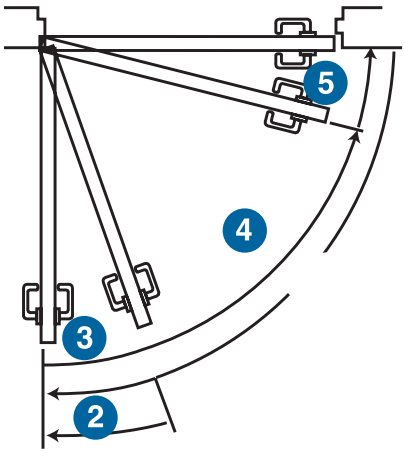
1 Closer Spring Adjustment (not shown)
- Effects the entire cycle of the door closer movement
- Used to size closer for application requirements
- Determines the amount of force with which the door closes and the amount of force required to open the door
- Adjustable to compensate for door size and draft conditions

2 Backcheck valve
- At approximately 70° of the open cycle, the Backcheck Valve begins to slow the door's motion
- Prevents the door from slamming into the door's stop
- Valve is used to control the intensity of the Backcheck
- **Note:** A Positive stop is required; Backcheck cannot be used as a stop

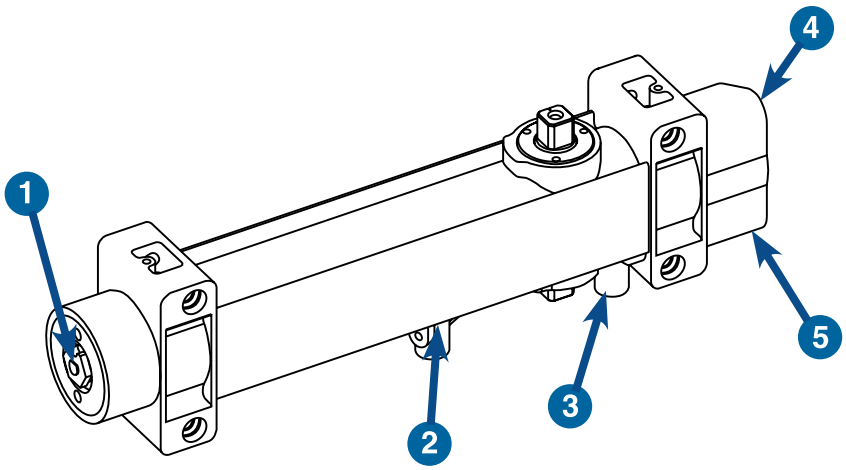
DOOR CLOSER CYCLE



3 Delayed action valve (Optional)
- Holds the door in the open position momentarily
- 20 second minimum hold open delay
- The feature is available for all applications and arms
- Beneficial when moving carts or objects through door opening or ADA applications

4 Latching speed valve
- Controls the speed of the door during the final 8" of door swing
- The force the door closes with is controlled by the closer spring
- **Note:** This adjustment is critical for door latching

5 Closing speed valve
- Controls how fast the door closes to approximately 8" from the closed position, along with the closer spring



ANSI STANDARDS

Arm	Type	Arm	Type
O	CO2011	PF9	CO2101
P9	CO2021	P10	CO2021
H	CO2051	PS/CPS	CO2021
PH9	CO2061	CPSH/PSH	CO2061

All are certified ANSI types including options PT4 A, B, D, E, F, G, H

HOW TO SELECT THE PROPER CLOSER

THINGS TO CONSIDER

1. Size and Weight of Door
The 351 Door Closers is non-sized so that closing force can be adjusted in the field to accommodate various door sizes and weights.

2. Interior Application
The standard application is the most efficient in terms of power and control.

3. Exterior Application
The top jamb, corner bracket or parallel arm application should be used. Exterior doors require greater closing forces because of draft conditions. Always place the closers out of the weather.

4. Degree of Opening
Proper arm and position on the door is most important to permit the door to open far enough to allow adequate traffic flow.

5. Function
Closers are available with hold-open or positive stop arms.

6. Special Condition
Consult factory when special hinges, overhead holders or other specialized hardware is used.

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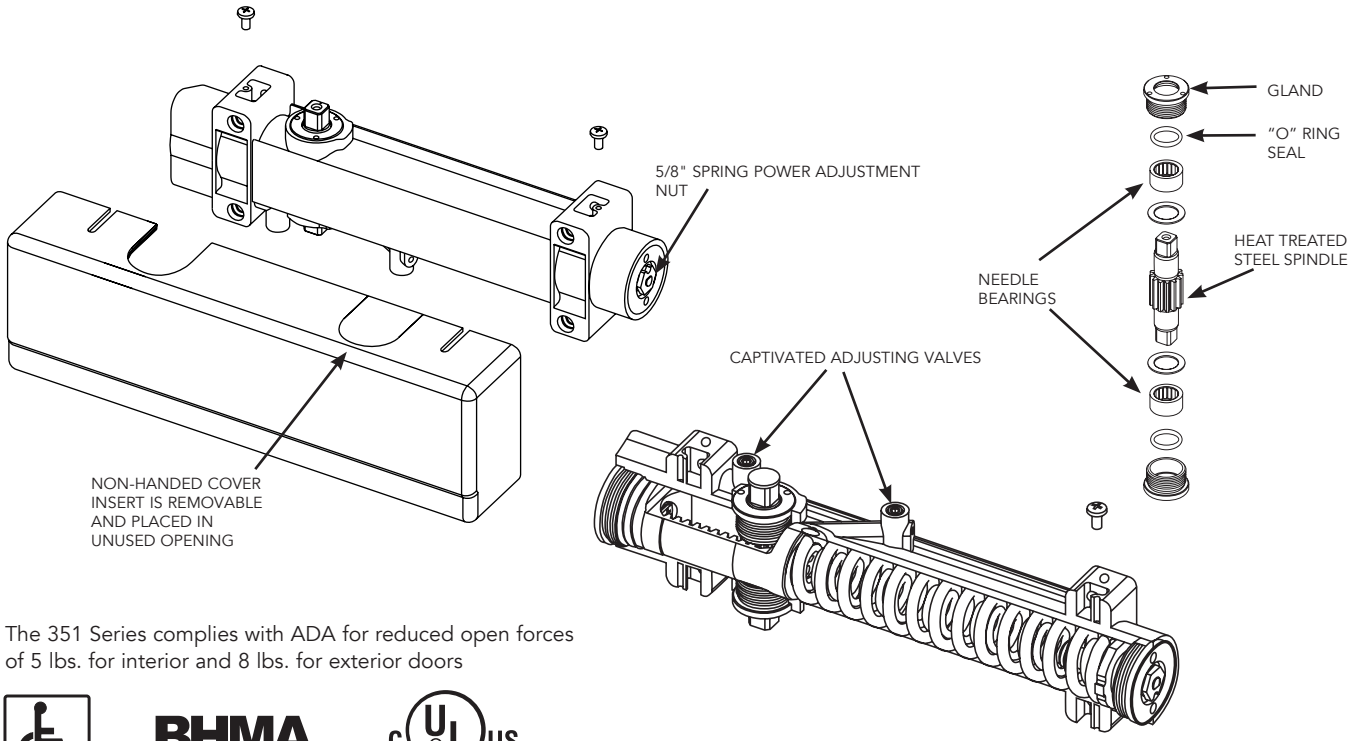
Features and Benefits



The 351 Series complies with ADA for reduced open forces of 5 lbs. for interior and 8 lbs. for exterior doors

Features
- Certified ANSI/BHMA A156.4 Grade 1
- UL 10C listed for positive pressure fire test
- UL /cUL listed
- 30-year limited warranty
- User friendly versatile mounting applications permit standard, top jamb, parallel and track installations
- Self sticking templates supplied for most applications
- Adjustable spring power allows 351 closers a size range of 1 through 6. They are adjusted to size 3 before leaving the factory
- One door closer body for all applications. All 351 are non-handed
- Meets ADA requirements in all applications, except Push Side Track application (except track)
- High impact non-corrosive plastic covers with two machine screws standard, metal covers and lead lined are optional
- All weather fluid allows closer to operate effectively in extreme temperatures without readjustment
- 1-1/2" diameter piston for superior door control
- Standard pressure relief valves for both opening and closing cycles protect the door & frame from damage caused by abuse
- Door weight: 250 lbs.

Heavy Duty Construction
- Heat treated full closed rack and pinion provide control from the full open position
- Heavy duty one piece die cast aluminum silicon alloy body with 14% silicon provides superior strength and wear resistance
- 1/2" arm engagement over a 7/16 square spindle ensures a wear-resistant tight joint

Fasteners
- Machine Screws and self tapping screws provided for closer and arm

Valves
- Brass body low sensitivity control valves offer separate regulating for door speed, latching, backcheck and optional delayed action
- All valves are controlled by an 1/8" allen wrench to discourage tampering and are captivated to prevent removing valves from the body and damaging door closer
- Adjustable backcheck (standard) protects the door and hardware from damage during the opening cycle
- Adjustable delayed action (optional) permits easy access for physically impaired individuals
- Valves are captivated to prevent accidental removal

Full Complement of Arm Types
- Interchangeable forged steel arms
- Standard and parallel arms
- Push and pull track arms (including double egress)
- Heavy duty forged steel arms are finely finished and interchangeable between SARGENT 351, 1431 and 281 Series

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Suggested Architect's Specifications

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351 SERIES POWERGLIDE®

1. All closers for both interior and exterior doors shall be the product of one manufacturer and be matched in style.
2. Surface closers shall be adjustable to provide sizes 1 through 6 and comply with ADA.
3. Full rack and pinion construction.
4. Closing speed, latching speed and backcheck shall be controlled by key operated valves.
5. Captivated valves.
6. Delayed action feature shall be available and controlled by a separate valve. Delayed action shall be available in addition to, not in lieu of, backcheck.
7. The one piece closer body shall be of die cast aluminum alloy with 14% silicon minimum content.
8. An increase of 15% in closing power shall be provided by means of adjustment of the arm leverage at the foot connection. (Standard Arm)
9. All arms shall be finely finished with heavy duty forged steel main arm.
10. Two mounting positions of the closer shall meet all requirements. Standard mountings shall provide 120° door opening and alternate mounting 180° door opening.
11. All closers shall be suitable for standard, top jamb, parallel arm and track type applications when provided with proper brackets and arms.
12. Closer covers shall be of high impact plastic material of flame retardant grade. Secured by machine screws.
13. Projection of closer body from door shall not exceed 2-3/16" (56mm).
14. Closers shall be non-handed to meet a variety of door conditions and design requirements.
15. The spindle shaft shall be sealed hydraulically with an "O" ring.
16. Specify desired options such as: Metal Cover, (TB) Through Bolting, (DA) Delayed Action and Architectural Plated Finishes.
17. All closer bodies have a 30-year limited warranty.
18. Closers should comply with UL10C Positive Pressure Fire Test.
19. Closers to be Grade 1 of ANSI/BHMA A156.4.

The 351 door closer is designed to meet the opening force requirements established by the Americans with Disabilities Act defining 5 lbs. of opening force for interior and 8 lbs. for exterior doors. A special spring design affording easier access and allowing exterior door control is used. Where excessive draft and pressure conditions exist or when extra heavy doors are used, the spring should be adjusted for a stronger setting. Meeting ADA requirements can be achieved at all applications shown above with simple spring adjustment.

CAUTION: Door Closers for Low Opening Force Applications:
Door closers installed in openings required to meet the requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door based on opening or site conditions.

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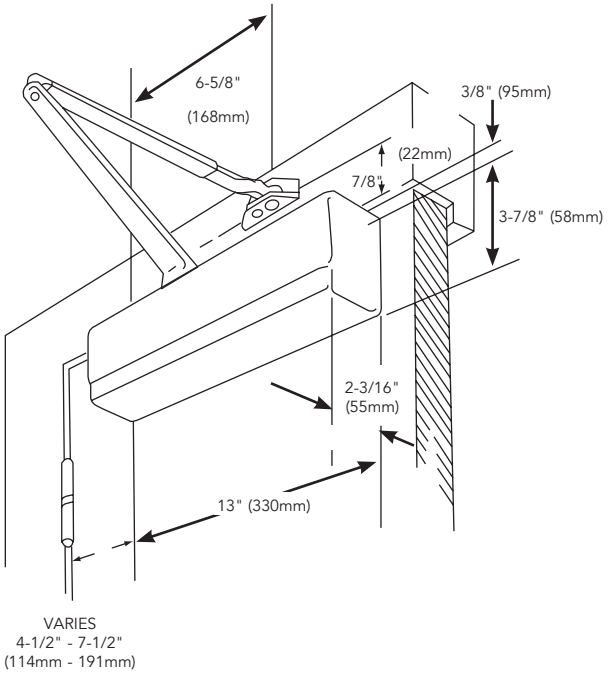
Standard Applications

351-0 STANDARD APPLICATION



The standard application of the 351 door closer is the most common and the most desirable. The closer mounts on the hinge (pull) side of door (except when the W Corner Bracket is used). **Note:** This application is not recommended on exterior doors (the closer is not protected from weather). The cover projection normally limits the door opening to a maximum of 160°.

351 Standard Application for:

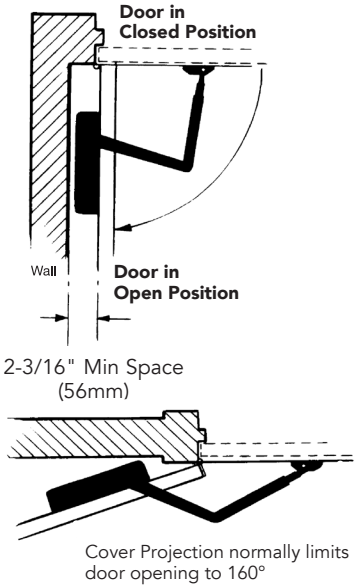
- Interior Doors Opening In or Out
- Exterior Doors Opening In
- Maximum Reveal 7/16"
- Non-hand universal body

351 Standard Application Door Opening Range

(Range based on Mounting Position)

- O- Standard Arm: 120° – 180°
- H- Hold Open Arm: 90° – 160°

Wall Clearance Requirement

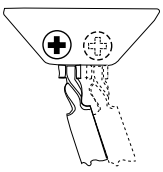


Adjustable Closing Force

- Interior doors to 5'0" wide
- Exterior doors to 4'0" wide
- Shipped factory preset for 3'0" door
- Factory pre-sized upon request

Arm Leverage Adjustment

Closers using "O" arms have the provision to increase closing power by 15% by adjusting foot pivot



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Arms and Accessories for Standard Applications

O - Standard Arm

- Forged Steel Main Arm
- Non-handed
- Permits 120° door opening with standard mounting
- Permits 180° door opening with alternate mounting or corner bracket
- Can be used with the 351L retrofit plate when replacing a LCN 4040 closer

Order as 25-O x finish for arm only

Includes: 63-2607 - Main arm
63-2216 - Foot assembly
63-3684 - Screw pack

H - Hold Open Arm

- Forged Steel Main Arm
- Non-handed
- Hand is changed by inverting the foot assembly
- Friction type holder easily adjusted by a wrench
- Permits 180° door opening
- Holds open from 80° – 180°

Order as 25-H x finish for arm only

Includes: 63-3070 - Main arm
61-2303 - Foot assembly
63-3684 - Screw pack

O8 - Mortise Foot Arm

- Forged Steel Main Arm
- Non-handed
- Permits 120° door opening
- Commonly used with bull nose frames

Order as 25-O8 x finish for arm only

Includes:
63-2607 - Main arm and link assembly
63-2273 - Foot assembly
63-2391 & 63-3684 - Screw packs

H8 - Mortise Foot Hold Open Arm

- Forged Steel Main Arm
- Handed same as door
- Friction type holder easily adjusted by a wrench
- Holds open from 80° – 180°

Order 25 R-H8 for right hand and 25 L-H8 for left hand x finish for arm only

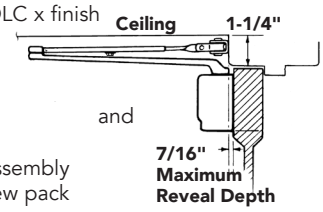
Includes:
63-2289 - Left hand foot assembly
63-2290 - Right hand foot assembly
63-3070 - Main Arm and Link Assembly
63-2391 & 63-3684 - Screw packs

OLC - Standard Arm for Low Ceiling

- Forged Steel Main Arm
- Non-handed
- 1-1/4" between the top of door to ceiling is required for OLC Arm
- Permits 120° door opening with standard mounting

Order as 25-OLC x finish for arm only

Includes:
63-2549 - Main arm and link assembly
2216 - Foot assembly
63-3684 - Screw pack



UH PACKAGE

- Universal hold open arm package provides brackets and arms to install closer in top jamb, standard or parallel applications
- Order closer as 351-UH x finish
- 351-UH not available with (MC) metal cover or plated finishes

Screw packs 63-3684

125-PH9

UO PACKAGE

- Universal arm package provides brackets and arms to install closer in standard top jamb or parallel applications
- Order closer as 351-UO x finish
- 351-UO not available with (MC) metal cover or plated finishes

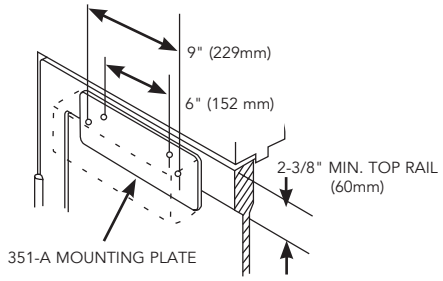
Screw packs 63-3684 & 63-2391

125-P9

351-A Mounting Plate

Allows the mounting of a 351 Closer onto a door with a minimum top rail of 2-3/8"

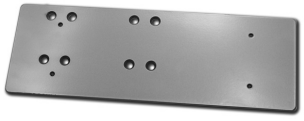
Order as: 351-A x finish



351- LCN Retrofit Plate

Allows an LCN 4040 closer body to be replaced with a SARGENT 351 with an O Arm without drilling new holes in door (NOTE: New holes required for arm bracket only)

Order as: 351L x finish



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Top Jamb Applications

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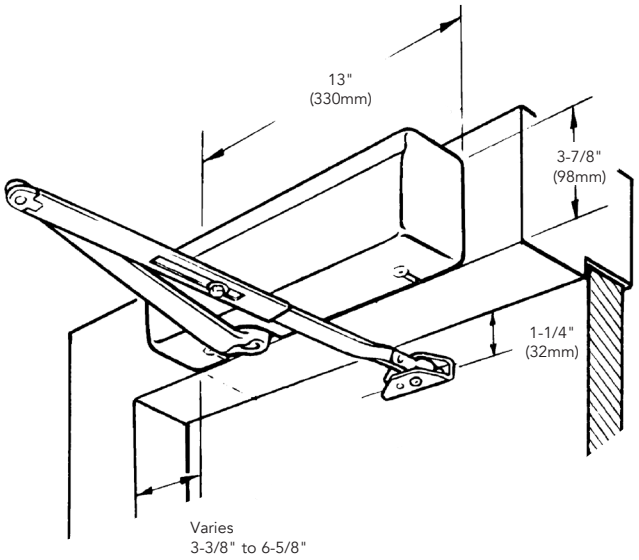
351-0 TOP JAMB MOUNTING POSITION



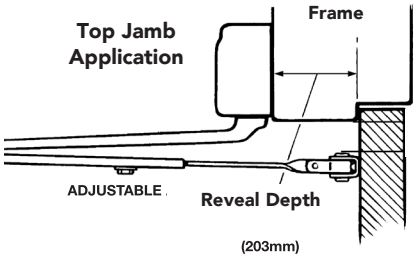
Top Jamb applications - The 351 closer is mounted on the frame face above the door. The foot is mounted on the push side of door. This application is for use on exterior doors opening out to protect the closer from the weather.

Minimum Frame Face Required
- 3-7/8" minimum required for 351 Top Jamb applications for both single and double rabbeted frames

Minimum Door Top Rail Required to Mount Closer Foot
- 2" (51mm) minimum
- Rail height used will vary depending on type and make of auxiliary holder

Adjustable Closing Force
- Interior doors to 5'0" wide
- Exterior doors to 4'0" wide
- Shipped factory preset for 3'0" door
- Factory pre-sized upon request

351 Typical Reveal Top Jamb Applications
For reveals up to 2" (51mm) maximum
- O Arm - Max. Door Opening: 180°
- H Arm - Hold Open Range: 80° – 180°



351 Extra Deep Reveal Top Jamb Applications
For reveals from 5-1/8" (130mm) to 8" (230mm)
- OZA Arm - Max. Door Opening: 140°
- HZA Arm - Hold Open Range: 80° – 130°

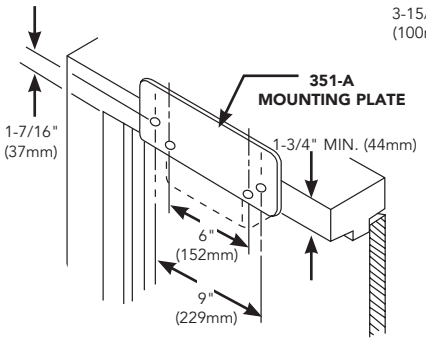
351 Deep Reveal Top Jamb Applications
For reveals from 2-1/8" (54mm) to 5" (127mm)
- OZ Arm - Max. Door Opening: 140°
- HZ Arm - Hold Open Range: 80° – 140°

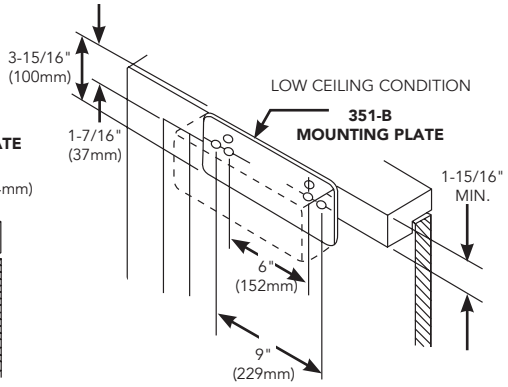
351-A & 351-B MOUNTING PLATES

These Mounting Plates permits closers to be mounted for special applications when overhead auxiliary door holders are used or in low ceiling applications for both single and double rabbeted frames.

351-A Mounting Plate
The 351-A allows top jamb mounting of a 351 with a 1-3/4" minimum frame clearance.

351-B Mounting Plate
The 351-B for low ceiling applications allows top jamb mounting of a 351 with a minimum 1-15/16" frame.
- Plates are painted or plated steel to match closer
- Plates are non-handed
- Order as 351-A x finish or 351-B x finish





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Arms for Top Jamb Applications

NARROW REVEAL

O - Standard Arm

- Forged Steel Main Arm
- For reveals up to 2" (51mm)
- Non-handed
- Permits 180° door opening

Order as 25-O x finish for arm only

Includes:
63-2607 - Main arm assembly
63-2216 - Foot assembly
63-3684 - Screw pack

H - Hold Open Arm

- Forged Steel Main Arm
- For reveals up to 2" (51mm)
- Adjustable friction holder
- Non-handed
- Permits 180° door opening

Order as 25-H x finish for arm only

Includes:
63-3070 - Main arm assembly
61-2303 - Foot assembly
63-3684 - Screw pack

DEEP REVEAL ARMS

OZ - Standard Arm for Deep Reveals

- Forged Steel Main Arm
- For reveals from 2-1/8" (54mm) to 5" (127mm)
- Non-handed
- Permits 140° door opening

Order as 25-OZ x finish for arm only

Includes:
63-2607 - Main arm assembly
63-2217 - Foot assembly
63-3684 - Screw pack

HZ - Hold Open Arm for Deep Reveals

- Forged Steel Main Arm
- For reveals from 2-1/8" (54mm) to 5" (127mm)
- Adjustable friction holder
- Non-handed
- Permits 140° door opening

Order as 25-HZ x finish for arm only

Includes:
63-2230 - Main arm assembly
61-2303 - Foot assembly
63-3684 - Screw pack

EXTRA DEEP REVEAL ARMS

OZA - Standard Arm for Extra Deep Reveal

- Forged Steel Main Arm
- For reveals 5-1/8" (130mm) to 8" (203mm)
- Non-handed
- Permits 140° door opening

Order as 25-OZA x finish for arm only

Includes:
63-2607 - Main arm assembly
63-2218 - Foot assembly
63-3684 - Screw pack

HZA - Hold Open Arm for Extra Deep Reveal

- Forged Steel Main Arm
- For reveals 5-1/8" (130mm) to 8" (203mm)
- Adjustable friction holder
- Non-handed
- Permits 140° door opening

Order as 25-HZA x finish for arm only

Includes:
63-2231 - Main arm assembly
61-2303 - Foot assembly
63-3684 - Screw pack

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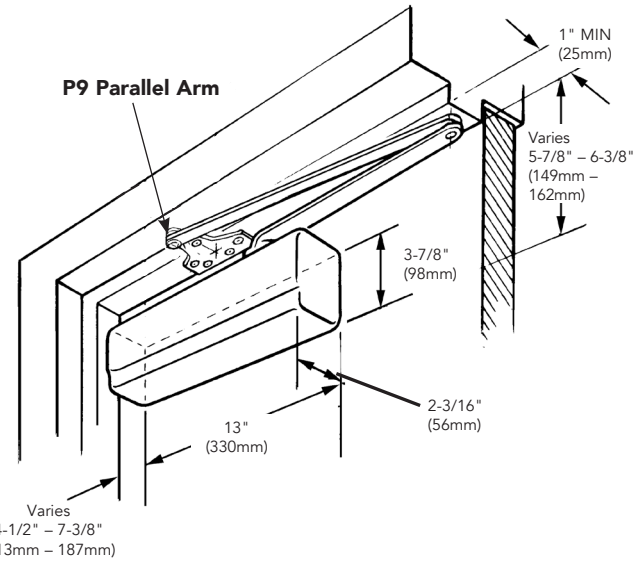
Parallel Arm Applications

351-P9 REGULAR DUTY PARALLEL ARM



Parallel Arm Applications - The 351 closer is mounted on the push side of the door. As the door opens, the closer swings with the door and gives full headroom in the door opening. Other advantages: the closer arm does not project into the room; the frame can be quite narrow and the door can be swung open much farther than in Top Jamb Applications.

HEAVY DUTY PARALLEL ARMS

For use in high traffic and abusive environments
- Forged steel arm and cast iron foot bracket for strength and durability
- Oiled bronze bearings for superior wear resistance
- 2 piece rigid arms for ease of installation
- Friction and positive hold open arms available
- Use friction hold open arms for doors subject to moderate hold open use
- Dead stop and compression stop arms available
- Security non-hold open arms available

Non hold-open arms
- Two mounting positions for 120° and 180° maximum door openings

Stop arms
- 6 mounting positions with PS or CPS arms to allow stop from 85°–110°

REGULAR DUTY PARALLEL ARMS

Available Arms for institutional installations:
- Regular duty parallel arms
- Offset bracket arms for use with Auxiliary Holders & Stops
- Parallel flush frame arms
- Flush frame arms for use with Auxiliary Holders & Stops
- Flush frame, friction Hold Open Arms

Non Hold Open Arms
- Two mounting positions for 120° and 180° maximum door opening

Hold Open Arms
- Friction hold open arms available for doors subject to moderate hold open use
- 6 mounting positions to hold open from 85° – 110° with PSH or CPSH arms

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Heavy Duty Parallel Arms

SARGENT
ASSA ABLOY

P10 - Heavy Duty Parallel Arm

- Forged Steel Constructions
- Non-Handed
- Easily installed
- Permits 120° opening at standard mounting
- Permits 180° opening at alternate mounting
- Can be used with the 351L retrofit plate when replacing a LCN 4040 closer

Order as 25-P10 x finish for arm only
25-P10 Includes:
63-0641 - Main arm
63-3727 - P10 foot assembly
63-3684 & 63-2392 - Screw packs

PS - Heavy Duty Parallel Arm with Positive Stop

- Forged Steel Constructions
- Handed arm is field-reversible
- Provides built in stop from 85° – 110°
- Permits 110° opening maximum
- Easily installed
- Permits 85° – 110° door opening

Order as 25-PS x finish for arm only
Includes:
63-0641 - Main arm
63-3837 - PS foot assembly
63-3684 & 63-2398 - Screw packs

CPS - Heavy Duty Parallel Arm with Compression Stop

- Forged Steel Constructions
- Provides built in compression stop from 85° – 105°
- Permits 105° opening maximum
- Easily installed
- Handed arm is field-reversible
- Dead stop within 3°

Order as 25-CPS x finish for arm only
Includes:
63-0641 - Main arm
63-3830 - CPS foot assembly
63-0516 - Bumper holder
63-3493 - Bumper
63-3684 & 63-2398 - Screw packs

SP10 Heavy Duty Security Arm

- Same as P10, except factory assembled at arm joint (elbow) to prevent disassembly in SSP package along with metal cover

PH10 - Heavy Duty Friction Hold Open Parallel Arm

- Forged Steel Constructions
- Adjustable hold open from 75° – 180°
- Forged steel arm 11-1/4" (286mm) long
- Handed same as door
- Use friction hold open arms for doors subject to moderate hold open use

Order as 25-PH10 x finish for arm only
25-PH10 Includes:
63-0641 - Main arm
63-3839 - Left hand PH10 foot assembly
63-3840 - Right hand PH10 foot assembly
63-3684 & 63-2392 - Screw packs

PSH - Heavy Duty Parallel Hold Open Arm with Positive Stop

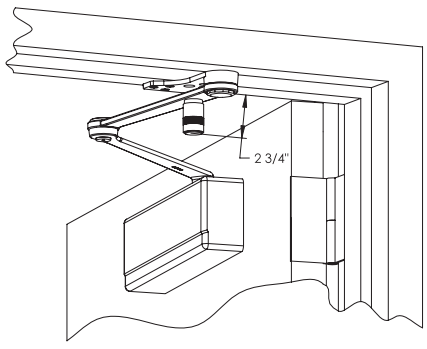
- Forged Steel Constructions
- Provides holder and stop features
- Handed arm is field-reversible
- Easily installed/adjusted
- Permits 85° – 110° door opening

Order as 25-PSH x finish for arm only
Includes:
63-0641 - Main arm
63-3833 - PSH foot assembly
63-3684, 63-2392 & 63-2398 - Screw packs

CPSH - Heavy Duty Hold Open Parallel Arm with Compression Stop

- Forged Steel Constructions
- Handed arm is field-reversible
- Provides built in compression stop and holder mechanism from 85° – 105°
- Easily installed/adjusted
- Permits 105° opening maximum
- Dead stop within 3°

Order as 25-CPSH x finish for arm only
Includes:
63-0641 - Main arm
63-3836 - CPSH foot assembly
63-0516 - Bumper holder
63-3493 - Bumper
63-3684, 63-2392 & 63-3487 - Screw packs



The PSH and CPSH arms project 2-3/4" below the head stop

Positive Stop Hold Open Arms (PSH & CPSH ARMS)

- Use on doors subject to repetitive hold open use
- 6 hold open positions from 85° – 110° determined by mounting position
- Hold open function may be disengaged
- Hold open tension is easily adjustable

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Regular Duty Parallel Arms

STANDARD ARMS

P9 - Standard Parallel Arm

- Forged Steel Main Arm
- Non-handed
- Can be used with the 351L retrofit plate when replacing a LCN 4040 closer

Order as 25-P9 x finish for arm only
Includes:
63-2607 - Main arm
63-3405 -Foot assembly
63-3684 & 63-2391 - Screw packs

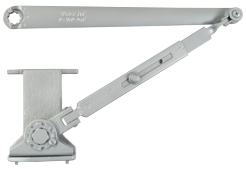
REGULAR DUTY HOLD OPEN ARMS

PH9 - Friction Hold Open Arm

- Forged Steel Main Arm
- Holds open from 75° – 180°
- Easily adjusted by wrench
- Non-handed

Order as 25-PH9 x finish for arm only
Includes:
63-3070 - Main arm
61-2303 - Foot assembly
64-0039 - Foot bracket (125 PH9)
63-3684 & 63-2391 - Screw packs

PH4 - Flush Frame, Friction Hold Open Arm



- Forged Steel Main Arm
- Holds open from 75° – 180°
- Easily adjusted by wrench
- Non-handed
- Use on frames where stop or soffit is too narrow to mount the standard hold open foot bracket

Order as 25-PH4 x finish for arm only
Includes:
63-3070 - Main arm
61-2303 - Foot assembly
64-0050 - Foot bracket
63-3684 & 63-2391 - Screw packs

OFFSET BRACKETS FOR USE WITH OVERHEAD STOPS, HOLDERS AND DOOR COORDINATORS

P3 - 1" Offset Bracket for use with Auxiliary Holder/Stop

- Forged Steel Main Arm
- For use with auxiliary surface overhead stops and holders
- Foot bracket is offset 1" more than P-9, allowing door closer to be lowered on door face
- Non-handed

Order as 25-P3 x finish for arm only
Includes:
63-2607 - Main arm
63-2270 - Foot assembly
63-3684 & 63-2391 - Screw packs

P3A - 1-3/4" Offset Bracket for use with Auxiliary Holder/Stop

- Forged Steel Main Arm
- For use with auxiliary surface overhead stops and holders and door coordinators
- Foot bracket lowers door closer an additional 3/4" below P3 bracket
- Non-handed

Order as 25-P3A x finish for arm only
Includes:
63-2607 -Main arm
63-2274 - Foot assembly
63-3684 & 63-2391 - Screw packs

P4 - Parallel Flush Frame Arm

- Forged Steel Main Arm
- Foot bracket is attached to frame or transom face
- For use where stop or soffit is too narrow for the standard P9
- Permits 120° opening with standard mounting
- Permits 180° opening with alternate mounting
- Non-handed

Order as 25-P4 x finish for arm only
Includes:
63-2607 - Main arm
63-2295 - Foot assembly
63-3684 & 63-2391 - Screw pack

P4A - Flush Frame Arm for use with Auxiliary Holder/Stop

- Forged Steel Main Arm
- For use with auxiliary surface overhead stops and holders
- Foot bracket is attached to frame or transom face
- Foot bracket lowers door closer an additional 3/4" below P4 bracket
- Non-handed

Order as 25-P4A x finish for arm only
Includes:
63-2607 - Main arm
63-2272 - Foot assembly
63-3684 & 63-2391 - Screw packs

TRI-PACKS

UO PACKAGE

- Universal arm package provides arms and brackets to install closer in standard top jamb or parallel application

351-UO not available with (MC) metal cover or plated finishes

Screw pack 63-3684

125-P9

UH PACKAGE

- Universal hold open arm package provides brackets and arms to install closer in top jamb, standard or parallel applications

351-UH not available with (MC) metal cover or plated finishes

Screw pack 63-3684

125-PH9

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Accessories for Parallel Applications

HEAVY DUTY PARALLEL ARM ACCESSORIES

581-2 Blade Stop Spacer Kit

- For frames with 1/2" blade stops
- For use with P10, PH10, PS, PSH, CPS and CPSH arms
- 125-V bracket included
- Packed with 1-1/4" long screws

Use P/N 63-0756 to order blade stop only

125-V/125-VF Brackets

125-V

125-VF

- For use with all heavy duty parallel arms
- Use 125-V for narrow stop and frame conditions
- Use 125-VF for flush door and frame conditions

Spacer 63-0191

- 1/2" x 5/8"
- Included standard with PS, PSH, PH10, P-10 CPS and CPSH arm for use with rabbited frames

REGULAR DUTY PARALLEL ARM ACCESSORIES

125-P3 Arm Conversion Unit

- Converts O or P9 arm to P3 Parallel Arm

125-P3A Arm Conversion Unit

- Converts O or P9 Arm to P3A Parallel Arm

125-PH9 Parallel Arm Foot

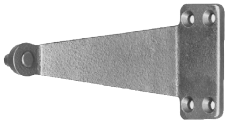
- Converts standard hold open (H) arm to PH9 Parallel Hold Open Arm

125-P4 Conversion Unit

- Converts O or P9 Arm to P4 Arm

125-P4A Arm Conversion Unit

- Converts O or P9 arm to P4A Arm



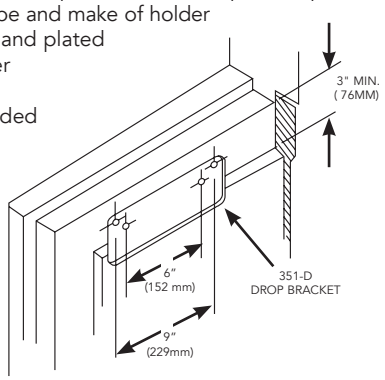
581-1 Blade Stop Spacer Kit

- For frames with 1/2" blade stops
- For use with P9, PH9 and PF9 arms only
- Packed with 1-1/4" long screws

REGULAR DUTY PARALLEL ARM ACCESSORIES

351-D Drop Plate

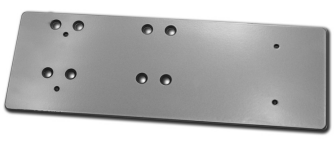
- Permits mounting parallel arm 351 Series Closer applications on doors with narrow top rails
- Requires 3" (76mm) minimum top rail
- For closers used with overhead stops and holders, top rail requirements will vary depending upon type and make of holder
- Available with powder coat and plated finishes to match door closer
- Plates are not handed
- Plate mounting screws included
- Order as 351-D x finish



351L - LCN RETROFIT Plate

The 351L allows replacement of LCN 4040 closer body with a SARGENT 351 without drilling new holes in door (**Note:** New mounting holes required for arm bracket only)

- 351L Retrofit Plate:
  Can be used with these parallel arms
  - P9 – Regular Duty Parallel Arm
  - P10 – Heavy Duty Parallel Arm
- Plates are non-handed
- Available in powder coat and plated finishes
- Order as: 351L x finish



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Track Type Applications

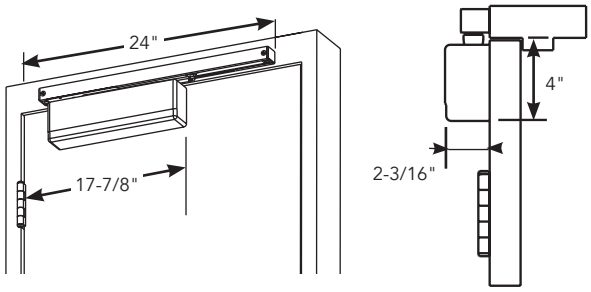
PULL SIDE MOUNTING (HINGE SIDE)

The closer is for use on interior doors opening in or out. As the door opens, the closer swings with the door. This affords a variable hold-open feature option.

PULL SIDE TRACK APPLICATION

Arm & Track	Description
OT	Pull Standard pull side
OTB	Pull Track with bumper
HT	Pull Holder
HTB	Pull Holder with bumper

TRACK ARM APPLICATIONS



Pull Hinge Side Mounting (Track mounts on frame face)
- Minimum top rail required with a 351-A plate = 2-1/4" (57mm)
- Minimum top rail required without mounting plate = 4" (102mm)

Maximum Door Opening
- 160° with standard track
- 120° with optional bumper track
- 180° with standard track if frame conditions permit

Hold Open Range
- 85° – 120°

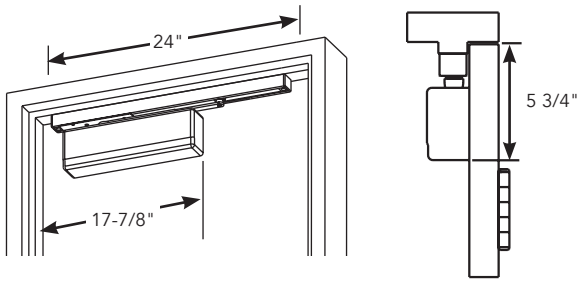
PUSH SIDE MOUNTING (STOP SIDE)

The closer is for use on interior doors opening in or out. As the door opens, the closer swings with the door. This affords a variable hold-open feature option.

PUSH SIDE TRACK APPLICATION

Arm & Track	Description
POT	Push Standard
POTB	Push Bumper
PHT	Push Holder
PHTB	Push Holder and bumper

TRACK ARM APPLICATIONS



Push Stop Side Mounting (Track mounts on frame stop)
- Minimum top rail required without drop plate = 5-3/4" (146mm)
- 3" (76mm) minimum top rail required with 351-D Drop Plate

Minimum Stop Required
- 1-9/16" (40mm) wide

Maximum Door Opening
- 100° with standard track
- 95° with optional bumper track

Hold Open Range
- 85° – 95°

COMMON FEATURES

Standard Finishes
- EAB, EB, ED, EN, EP, powder coated on all exposed surfaces
- Architectural plated arms and covers optional

Track
- Extruded aluminum track

Arm
- Forged steel

Bumper (optional)
- Mounts in track to assist backcheck
- Not designed to be used as a stop
- Auxiliary stop is required
- Available for both regular or hold open tracks

Holder (optional)
- Mounts within the track (adjustable)

Non Sized-Adjustable
- Interior doors to 5'0" wide
- Shipped factory preset for 3'0" door
- Factory pre-sized upon request

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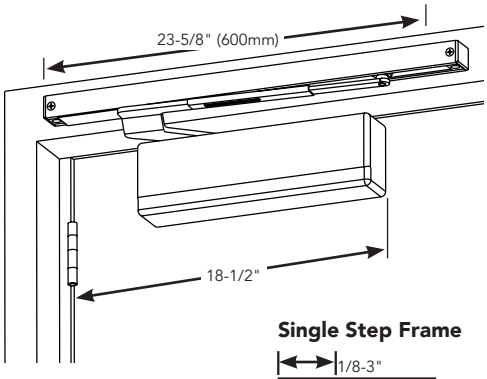
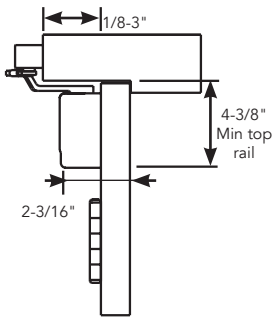
Double Egress Applications

ODS - SINGLE STEP DOUBLE EGRESS ARM



Single Step Frame



ODS Applications
- 100° maximum door opening
- Range of hold open 85°–100°
- Used with reveals 1/8" – 3" (3mm-76mm)

Track
- Extruded aluminum track
- End caps finished to match track

Arm
- Forged steel
- Bearing roller
- Arm handed same as door

Non Handed
- Universal body

Finishes (Powder Coat)
- EAB, EB, ED, EN, EP (standard for all exposed surfaces)

Bumper (optional)
- Mounts in track to assist backcheck
- Not designed to be used as a stop
- Auxiliary stop is required
- Available for both regular or hold open tracks

Holder (optional)
- Mounts within the track (adjustable)

Non Sized-Adjustable
- Interior doors to 5'0" wide
- Shipped factory preset for 3'0" door
- Factory pre-sized upon request

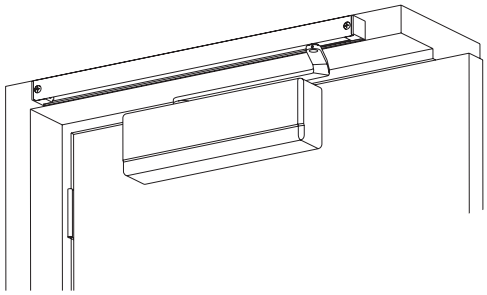
Double egress track arms are used when the aesthetics of a track application is required on the pull side of a deep reveal frame.

This application is commonly used on cross corridor openings.

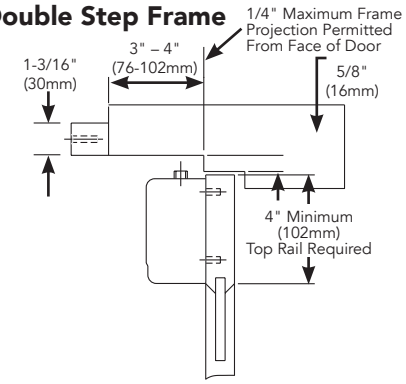
Double Egress Track Applications

OD	Double step double egress
ODB	Double step double egress with bumper
HD	Double step double egress with holder
HDB	Double step double egress with bumper and holder
ODS	Single step double egress
ODSB	Single step double egress with bumper
HDS	Single step double egress with holder
HDSB	Single step double egress with bumper and holder

OD - DOUBLE STEP DOUBLE EGRESS ARM



Double Step Frame



OD Applications
- 160° maximum door opening
- 120° opening with bumper option
- Range of hold open: 85° – 120°
- Used with reveals 3" – 4" (76mm-101mm)

Track
- Extruded aluminum track
- End caps finished to match track

Arm
- Forged steel
- Bearing roller
- Arm is handed same as door

Non Handed
- Universal Body

Finishes (Powder Coat)
- EAB, EB, ED, EN, EP (standard for all exposed surfaces)

Bumper (optional)
- Mounts in track to assist backcheck
- Not designed to be used as a stop
- Auxiliary stop is required
- Available for both regular or hold open tracks

Holder (optional)
- Mounts within the track (adjustable)

Non Sized-Adjustable
- Interior doors to 5'0" wide
- Shipped factory preset for 3'0" door
- Factory pre-sized upon request

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Pocket Door Applications

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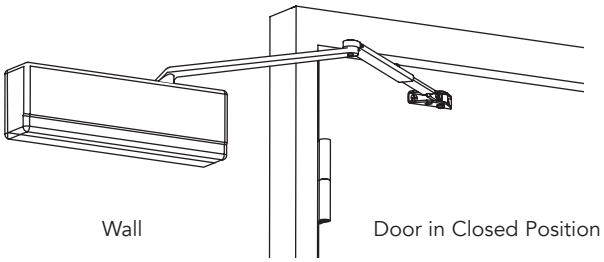
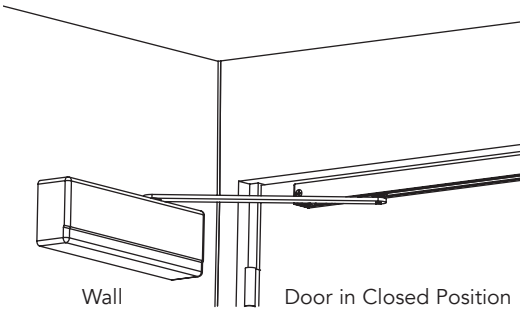
OP - Double Lever Arm Application



OTP - Track Type Application



Pocket Door Applications
The 351 Series Powerglide Door Closer body is mounted on the wall and installed so that it pushes the door closed. This application is typically used with fire doors that are held open. In this application when the door is open, the closer and arms are completely hidden from view.

OP - Pocket Arm Application
- 180° Maximum Opening
- Non handed

Note: 90° Maximum Opening, use OTP Track Type

Arm
- Forged steel

Non Handed
- Universal Body

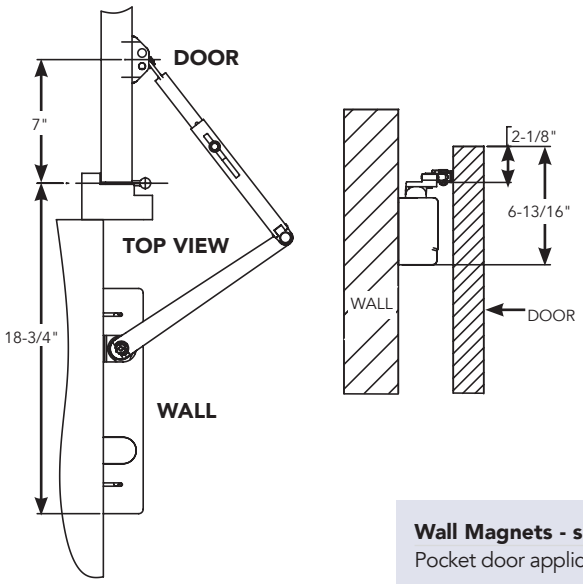
Finishes (Powder Coat)
- EAB, EB, ED, EN, EP (standard for all exposed surfaces)
- Plated Covers and arms available

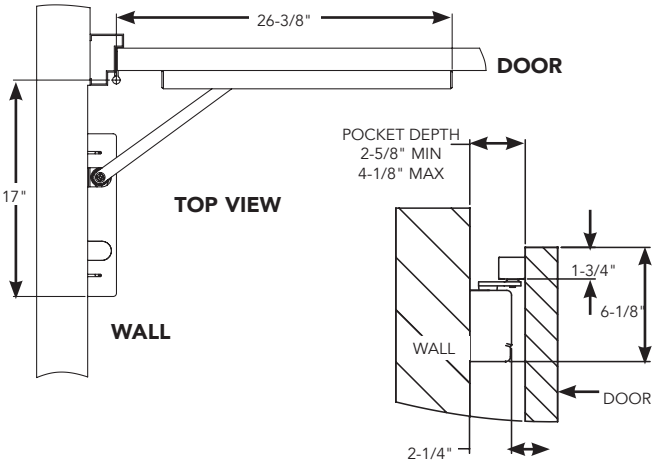
OTP - Track Type Application
- 90° Maximum Opening
- Extruded Aluminum Track
- Non handed

Arm
- Forged steel
- Bearing roller

Non Handed
- Universal Body

Finishes (Powder Coat)
- EAB, EB, ED, EN, EP (standard for all exposed surfaces)
- Plated Covers and arms available





Wall Magnets - see Sargent holders and stops catalog
Pocket door applications commonly use wall mounts (wall magnets).

1560 Surface Mount

1561 Flush Mount

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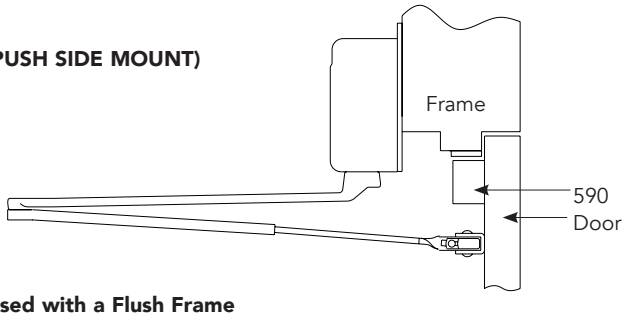
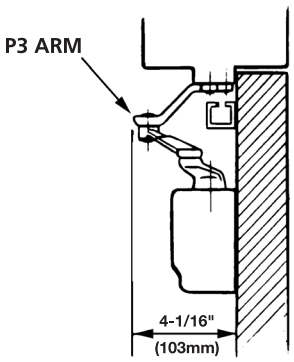
Overhead Stop/Holder Compatibility

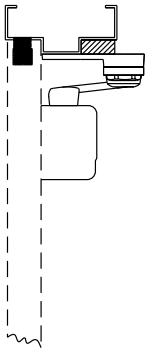
When a floor or wall stop cannot be used, the highest level of door control is provided with the use of a SARGENT door closer and a SARGENT overhead stop or holder. While door closer arms are available with stop and holder options, they are limited in their ability to withstand extreme abuse. Overhead stops absorb abusive loads using a heavy compression spring that distributes the load to the frame. SARGENT overhead stops and holders are designed for years of abuse and come with a 5 year warranty.

FREQUENTLY USED OVERHEAD STOPS USED WITH THE 351 SERIES

- **Standard Door Closer Applications (PULL SIDE MOUNT) Not Shown**
  590 Series Holder/Stop with 351-O
  690 Series Holder/Stop with 351-O
  1530 Series Holder/Stop with 351-O
  1540 Series Holder/Stop with 351-O
- **Parallel Arm Door Closer Applications (PUSH SIDE MOUNT)**
  590 Series Holder/Stop with 351-P3
  590 Series Holder/Stop with 351-PD10
  690 Series Holder/Stop with 351-P9
  690 Series Holder/Stop with 351-P10
  1530 Series Holder/Stop with 351-P9
  1530 Series Holder/Stop with 351-P10
  1540 Series Holder/Stop with 351-P3
  1540 Series Holder/Stop with 351-PD10
- **Parallel Arm Door Closer Applications Used with a Flush Frame**
  590 Series Holder/Stop with 351-P4
  690 Series Holder/Stop with 351-P4
  1530 Series Holder/Stop with 351-P4
  1540 Series Holder/Stop with 351-P4
- **Inverted Top Jamb Applications**
  590, 690, 1530, 1540 Series with either 281, 351, 1431 Series and "O" OZ, OZA Arm







SPECIAL CONDITIONS

The SARGENT Website (www.sargentlock.com) contains templates for all common applications of SARGENT Door Closers with SARGENT overhead door holders. To ensure a satisfactory installation for other holders, it is recommended that complete details be submitted as follows:

- Type, size and make of holder
- Holding position (maximum door opening)
- Submit holder template being used
- Closer application being used
- Size and type of hinge

In the case of unusual door, frame and hinge conditions where regular products do not meet requirements, submit drawings and complete details specifying the degree of door openings required, the type and size of hinge and the maximum door opening angle.

THROUGH-BOLTS AND MORTISE NUTS

- When through-bolting is ordered, factory will furnish mortise nuts for use with the machine screws furnished with the closer
- Nuts are sized to accommodate 1-3/4" (44mm) standard or 1-3/8" (35mm) thick doors when specified on order
- For 2-1/4" (57mm) thick doors, longer through-bolts will be furnished with mortise nuts
- A bridge type reinforcement is required to prevent collapse of top rails when through-bolts are tightened (required on hollow metal doors).

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How to Order and Options

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Packing
All closer assemblies are packaged 4 per carton. On request, door closers will be packed 2 per carton.

Series	Number per Carton	Approx. wt per Carton
351	4-Standard (2 upon request)	19 lbs. per 4

How To Order

CPC-DA	351	P4H	26	LH
Options	**Series**	**Closer Arm**	**Finish**	**Hand**
31- 36- 74- CPC- DA- MC- TB-	351	Standard Page 7 Top Jamb Page 9 Parallel Pages 11 & 12 Track Type Page 14 & 15	EB ED EN EP EAB 03* 04* 09* 10* 10B* 10BE 10BL* 14* 15* 20D* 26* 26D* BSP WSP	LH RH

* These finishes are automatically provided with a metal cover

Options Available

Specify	Detailed Description
31-	For doors 1-7/8" – 2-1/4" thick, specify door thickness, doors over 2-1/4" thick contact factory
36-	Security Torx Screws
74-	Lead lined cover
CPC-	Clear Powder Coat (available on 26 & 26D)
DA-	Delayed Action
MC-	Handed Metal Cover
TB-	Through Bolt (1-3/4" Std) For others, specify 31-TB- & door thickness

Note:

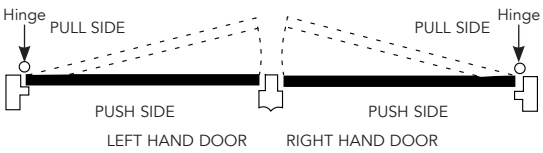
- The MC- option is used when a metal cover is desired on a powder coated finish
- When MC- is added to a plated finish, the MC- option indicates that only the cover is to be plated, the arms will be powder coated to match
- Do not specify the MC suffix if both the cover and arms are to be plated

How To Order

Accessories	Example	
Arm Only	Specify arm required and finish	25-PSH EN
Closer Body Only	Specify: CB-351*	CB-351
Arm conversion Units	Specify unit and finish	125-P4 EB
Cover Only (Standard)	351-C x finish	351-C EN
Cover Only (Metal)	351-CMC x finish and hand & arm type 351-CMC + 26D + LH + P10	

Note: When complete closer assembly is ordered with an accessory, order accessory as a separate item

*DA (Delay Action) option is available with closer body



NOTE:

- Before installing a door closer, verify the accessibility, fire, and life-safety requirements that are in effect. This includes the mounting height and projection into the clear opening. Check the adopted state and local building codes and consult the Authority Having Jurisdiction (AHJ).
- To maintain the warranty and ensure proper operation of the product, follow the installation instructions & templates and install on the inside of the building.
- Consult NFPA 80 for the hinge requirements on a fire door.
- Failure to use fasteners supplied with closer may void factory warranty.
- Optional fasteners are available for a variety of applications. Consult the door and frame manufacturer to ensure the proper fasteners are used to maintain certifications.
- Sizing charts are based on 1-3/4" x 7' standard weight doors swinging to 110°. Other application conditions (e.g. larger door heights or weight) may require larger size closer. Adjusting the spring power to meet the low opening force requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, may not provide adequate closing power to dependably close and latch the door in some conditions (i.e. air movement from wind gusts or building stack pressure).

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Finishes

Finishes	ANSI/ BHMA	Description
EB	695	Bronze powder coated to match finish 10B
EN	689	Aluminum powder coated
ED	693	Black powder coated to match finish 20D
EAB	696	Brass powder coated
EP	691	Bronze powder coated to match finish 10
03	605	Bright brass, clear coated
04	606	Satin brass, clear coated
09	611	Bright bronze, clear coated
10	612	Satin bronze, clear coated
10B	613	Dark oxidized satin bronze, oil rubbed
10BE	613E	Dark oxidized satin bronze - equivalent
10BL	614	Oxidized satin, bronze, clear coated
14	618	Bright nickel plated, clear coated
15	619	Satin nickel, clear coated
20D	624	Statuary dark bronze, clear coated
26	625	Bright chromium plated
26D	626	Satin chromium plated
BSP	—	Black Suede Powder Coat
WSP	—	White Suede Powder Coat

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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PRODUCT CATALOG

422 Cam Action Door Closer

Experience a safer
and more open world

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On The Cover

422 CTB2 Door Closer with EN finish

⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

General Information

SARGENT
ASSA ABLOY

INTRODUCTION

Easy Open - Secure Close

The 422 cam action door closer with Cam-Motion™ technology is designed to make doors easy to open while maintaining enough force to close doors securely. The 422 is one closer and track assembly that can support up to four installation positions and has a unique arm to simplify installation.

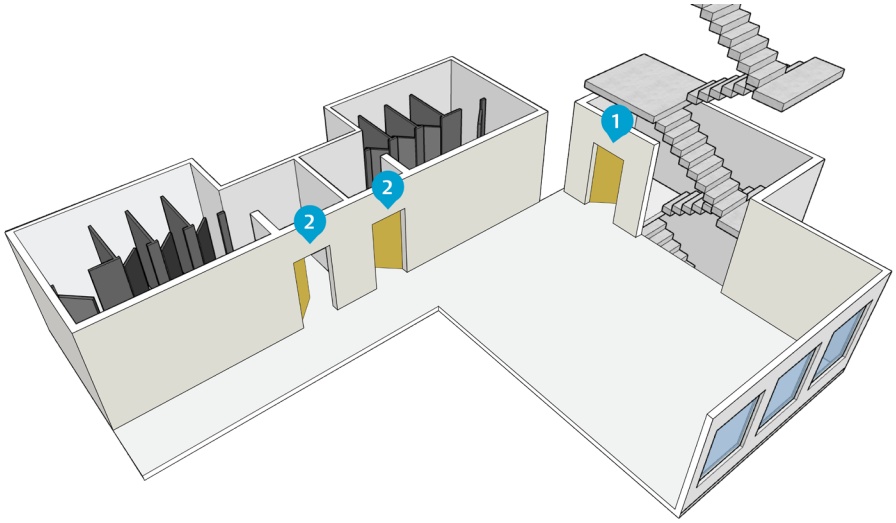
Ideal for applications where both security and accessibility are a priority.

FEATURES

- Cast aluminum body
- Adjustable spring size 1 through 6
- Door weight: 250 lbs.
- Non-handed
- Unique spline arm
- Push and pull side installation, door or frame mounted
- Hold open; specify 422 CTHB2
- Sex nuts (optional)
- Adjustable closing force
- Adjustable closing and latching speed
- Backcheck standard
- Door size:
  - Suitable for exterior and interior doors
  - Recommended maximum interior door width 54" (137)
  - Standard opening range: Pull Side = 140°, Push Side = 110°
- 30-year limited warranty

BENEFITS

- One model - four mounting options
- Easy to open
- Reliable closing
- Forward facing valves
- High efficiency
- Flexible:
  - Spline arm offers multiple indexing options to accommodate standard and special applications
  - 1/2" vertical adjustment



Security
The 422 provides reliable closing where safety is a priority, without sacrificing convenience.

Accessibility
Comfortable opening eases everyone's passage through frequently-used doors.

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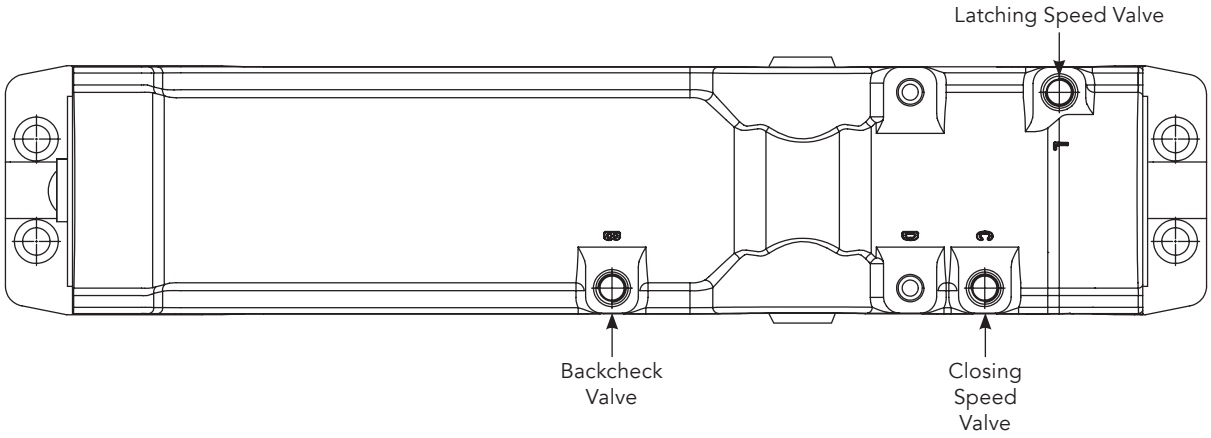
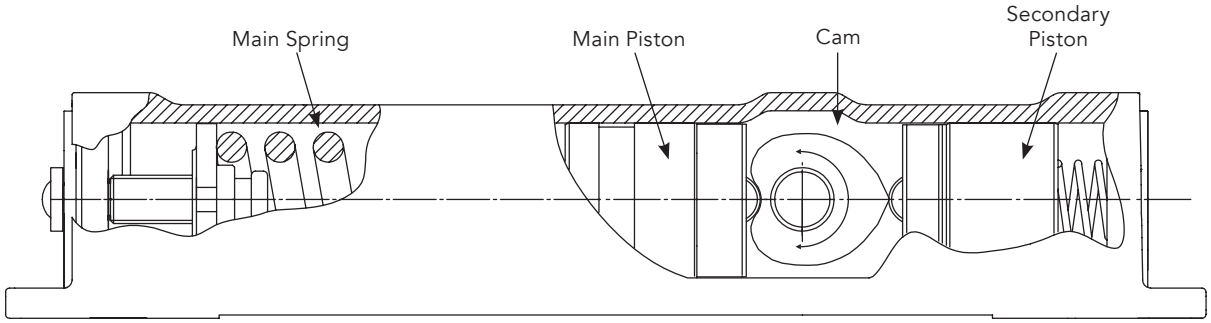
Overview, Certifications





CERTIFICATIONS

- ANSI/BHMA A156.4, Grade 1
- Americans with Disabilities Act (ADA) Compliant
- Trade Agreement Act (TAA)
- UL10C positive pressure up to 3 hours
- UL-cUL listed

CAUTION: Door Closers for Low Opening Force Applications:
Door closers installed in openings required to meet the requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door based on opening or site conditions.

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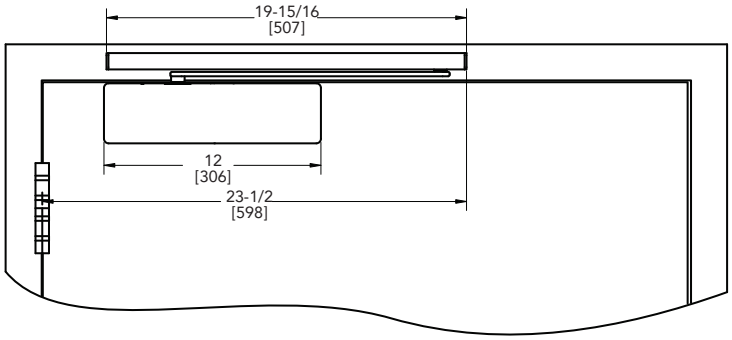
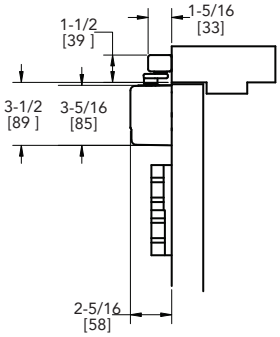
Standard Applications

Pull Side, Door Mounted

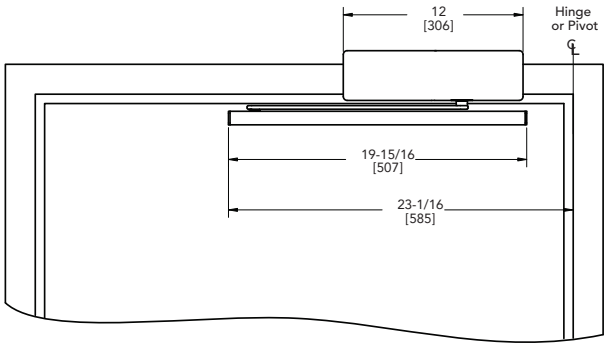
- 140° swing (trim permitting)
- Hold open model, specify 422 x CTHB2

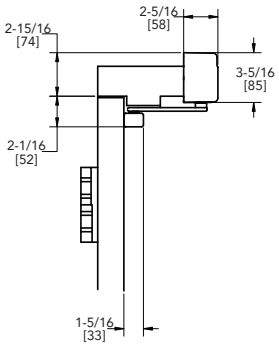




Push Side, Frame Mounted

- Maximum frame reveal is 4" (102mm)
- An auxiliary door stop is required
- 110° swing (trim permitting) without spring stop
- If hold open required, consult factory





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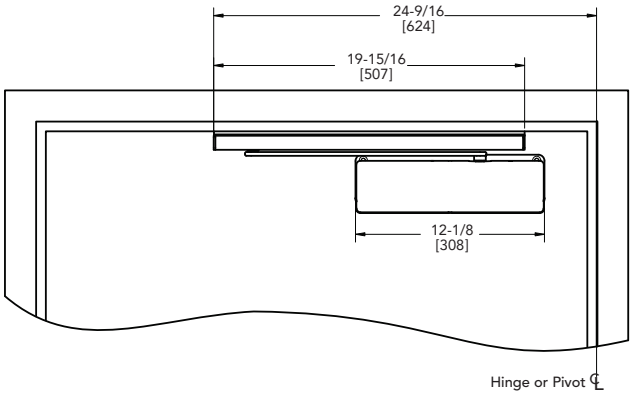
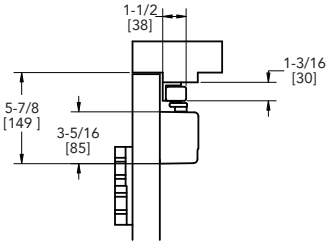
Optional Applications

Push Side, Door Mounted

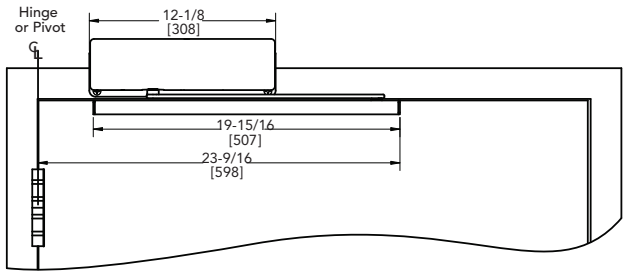
- Minimum frame reveal is 1-1/2" (13mm)
- 110° swing (trim permitting)
- 63-0853-EN slide track angle bracket required (sold separately)
- Hold open model, specify 422 CTHB2

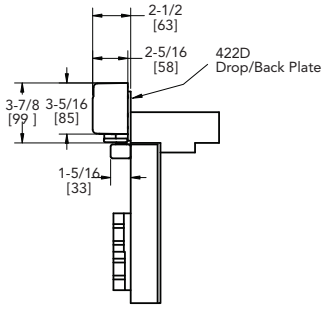




Pull Side, Frame Mounted

- 140° swing (trim permitting)
- 422D back plate required if frame face is less than 3" (sold separately)
- Hold open model, specify 422 CTHB2





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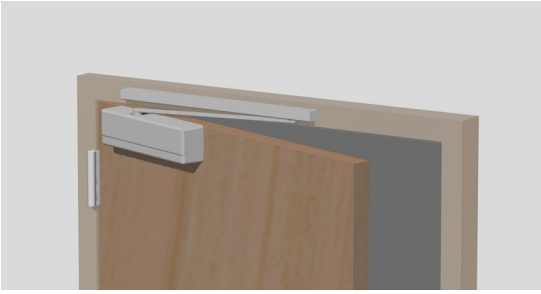
Function



Inclusive Restroom Function: A standard 422 closer can be configured for an inclusive restroom application, commonly known as the telephone booth, with a minor adjustment during the installation process. See the installation instructions for specific details. When configured, the closer functions as follows:

- Closer normally holds door open at approximately ten (10) degrees; standard spline arm allows degree of hold open to be adjusted up or down
- Upon entering room, a user can push or pull the door closed
- When a user exits the room, the closer allows the door to open normally and returns the door to the preset position
- The standard cushion stop block and optional hold open assembly can be installed in the track to provide additional door control

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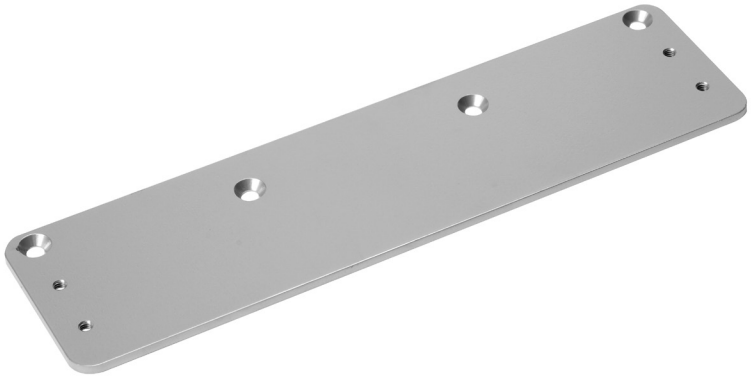
Accessories

422D Drop/Back Plate: For use where the narrow top rail of the door prevents the closer from being mounted directly to the door surface. This drop plate must be used for closer mounted on a top rail between 1-7/8" and 3-3/8" (48 and 86mm) in height.



63-0853-EN - Slide Track Angle Bracket

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Architectural Specifications

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ARCHITECTURAL SPECIFICATIONS

Door Closers, Surface Mounted (Cam Action):

- ANSI/ BHMA 156.4, Grade 1 Certified Products Directory (CPD) listed surface mounted, high efficiency door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force.
- Closers to be of the cam and roller design, one piece cast aluminum silicon alloy body with adjustable backcheck and independently controlled valves for closing sweep and latch speed.
- Door closer to have adjustable hold open position with an on/off selector.
- Non-hold open units to be U.L. Listed for self-closing door.
- Unit to be in compliance with the requirements of the Americans With Disabilities Act (ADA). ANSI standards A117.1.
- Units to meet C-UL US.
- Closers to carry a 30-year warranty

GENERAL INFORMATION

NOTE:

- Door closer warranty becomes void if the closer is installed on the exterior side of a door in the exterior wall of a building.
- It is strongly recommended, and may be required on fire door assemblies, that doors having a door closer be hung on ball-bearing or anti-friction hinges or pivots. Consult local authority having jurisdiction.
- Failure to use fasteners supplied with closer may void factory warranty.
- Fasteners for fire/smoke door assemblies must conform to NFPA 80. In some applications additional fasteners may be mandated by NFPA 80 that are not shipped with standard SARGENT product, such as sleeve-nuts/sex-nuts or thru bolts and grommet nuts.
- Information provided is based on 1-3/4" (44mm) x 7' (2.13m) standard weight doors swinging to 110°. Other conditions (such as door height or weight; or wind/draft conditions) may require adjustment of spring setting, selection of a larger size closer or different closer.

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How to Order

HOW TO ORDER

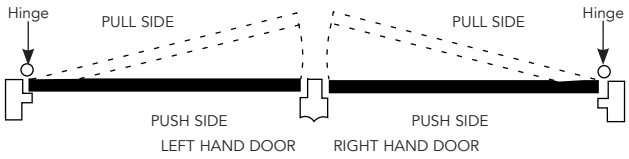
36-	422	CTHB	26	LH
Options	**Series**	**Closer Arm**	**Finish**	**Hand**
36- MC- TB-	422	CTB2 CTHB2	EB ED EN EP EAB 03* 04* 09* 10* 10B* 10BE* 10BL* 15* 20D* 26* 26D*	LH RH

OPTIONS AVAILABLE

Specify	Detailed Description
36-	Security Torx Screws
MC-	Metal Cover (Specify Handing)
TB-	Through Bolt (1-3/4" Std) For others, specify TB- & door thickness

Note:

- Metal covers available in plated finishes*.
- When MC- is added to a plated finish, the MC- option indicates that only the cover is to be plated, the arms and tracks will be powder coated to match.
- Lead Line Covers are available
  How to Order: 422 x CTHB x EN x RH x Lead Line Cover.
  Orders will be handled as “special”.
- Consult installation instructions, 63-8386-6000-999, for handing on metal covers.



422 CLOSER BODIES ARE NON HANDED

How To Order Accessories	Example
For individual parts and assemblies, please check the price book for availability and pricing.	
Cover	Specify: 422C x finish
Metal Cover	Specify: 422CMC x finish x hand
Closer Body only	Specify: CB-422

Note: When complete closer assembly is ordered with an accessory, order accessory as a separate item

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Finishes, Parts

FINISH OPTIONS

Finishes	ANSI/BHMA	Description
EB	695	Bronze powder coated to match finish 10B
EN	689	Aluminum powder coated
ED	693	Black powder coated to match finish 20D
EAB	696	Brass powder coated
EP	691	Bronze powder coated to match finish 10
03	605	Bright brass, clear coated
04	606	Satin brass, clear coated
09	611	Bright bronze, clear coated
10	612	Satin bronze, clear coated
10B	613	Dark oxidized satin bronze, oil rubbed
10BE	613E	Dark oxidized satin bronze - equivalent
10BL	614	Oxidized satin, bronze, clear coated
15	619	Satin nickel, clear coated
20D	624	Statuary dark bronze, clear coated
26	625	Bright chromium plated
26D	626	Satin chromium plated

PARTS

Part No.	Description
25 CTB2	Track and Arm Assembly, Non-Hold Open
25 CTHB2	Track and Arm Assembly, Hold Open
422D	Drop/Back Plate
63-0853-EN	Slide Track Angle Bracket
63-4471	Cushion block
63-4472	Hold open assembly
63-4466	Closer Screw Pack
63-4470	Spline Screw Pack
63-4467	Track Screw Pack
63-4473-EN	Sex Nut Package: 1-3/4" Door Thickness
63-4474-EN	Sex Nut Package: 2-1/4" Door Thickness
63-4436*	Torx® Security Screw Package

*Sex nuts included

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

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ASSA ABLOY

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100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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PRODUCT CATALOG

422EHT ELECTROMECHANICAL CLOSER/HOLDER

Experience a safer
and more open world

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⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

Introduction, Features, Benefits

INTRODUCTION

The SARGENT 422EHT Electromechanical Closer/ Holder is a versatile, high-performance solution that seamlessly combines the functions of a single-point electromechanical door holder with the precision of a cam-action door closer. This closer/holder delivers exceptional opening efficiency while maintaining reliable closing force — making it ideal for environments where ease of use and life safety are critical. Designed for flexibility, this closer/holder can be installed on single or double door applications and integrates easily with UL-listed detection equipment such as ceiling-mounted smoke detectors, pull stations, and remote alarm panels.

FEATURES

- Selective single-point hold open
- Cast aluminum body
- Adjustable door closer spring size 1 through 6
- Door weight up to 250 lbs.
- Push and pull side mounting (closer mounted on door)
- Standard separate and independent latch, sweep and backcheck intensity valves
- Additional floor or wall stop is recommended
- Voltage: 24VDC
- Concealed or surface wiring
- Non-handed
- Adjustable hold open range:
  – Pull side: 70° - 120°
  – Push side: 70° - 115°
- 2-year limited warranty

BENEFITS

- One model – two mounting options
- Easy open
- Reliable closing
- Forward facing valves
- High efficiency
- Ideal for low ceiling clearance applications
- Installation based on the door angle needed

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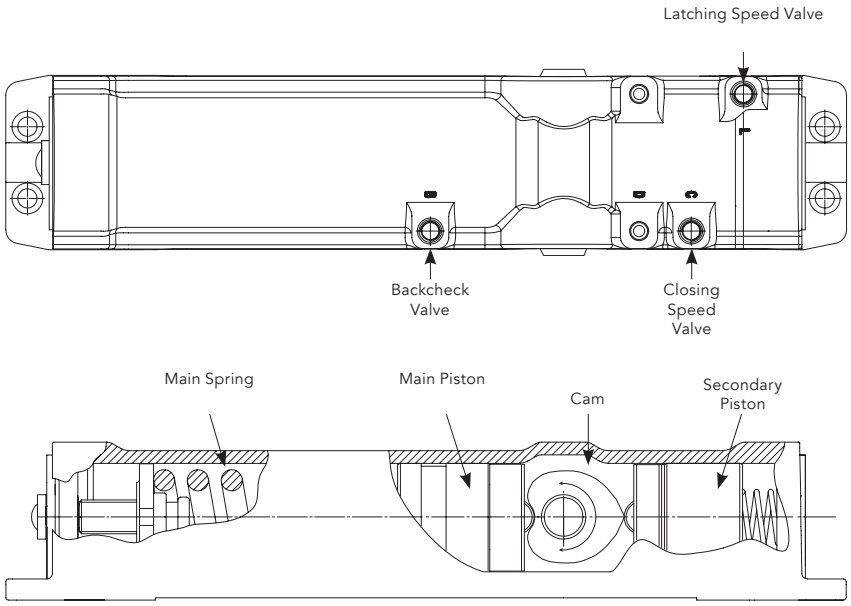
Certifications, Electrical, Explanation of Features



CERTIFICATIONS

- ANSI/BHMA A156.15
- Trade Agreement Act (TAA)
- UL10C positive pressure up to 3 hours
- cULus listed

ELECTRICAL INFORMATION

Operating Voltage – 24VDC
Amperage Draw – 60mA

EXPLANATION OF FEATURES

Selective Single-Point Hold Open
The 422EHT has one template position. The single-point hold open position is selected by moving the hold open solenoid assembly in the track. Hold open ranges from 70°-120° for pull side mounting and 70°-115° for push side mounting.

Non-Handed
Units can be mounted on left or right hand doors and on the push or pull side of the door. (Note: push side requires the use of a bracket for the track assembly - bracket included with all units.)

Voltage
Must be 24VDC

Fail Safe
In the even of a power outage, the solenoid will be de-energized and the closer/holder will then operate as a normal door closer.

Wiring Options
Both pull and push side applications will accommodate either concealed or surface wiring. The hook-up box will accommodate ½" (13mm) conduit. The hook-up box sides / base and hook-up box cover are prepared for surface and concealed wiring.

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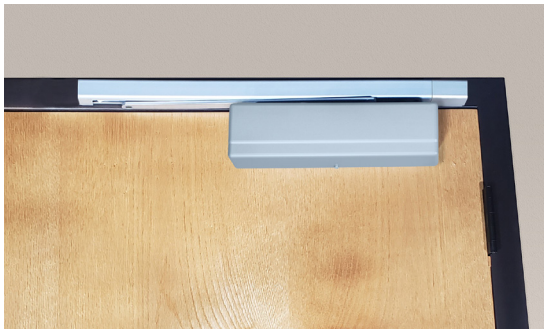
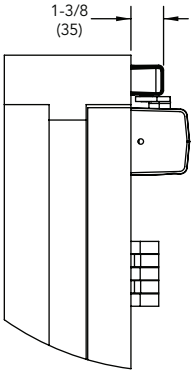
Applications

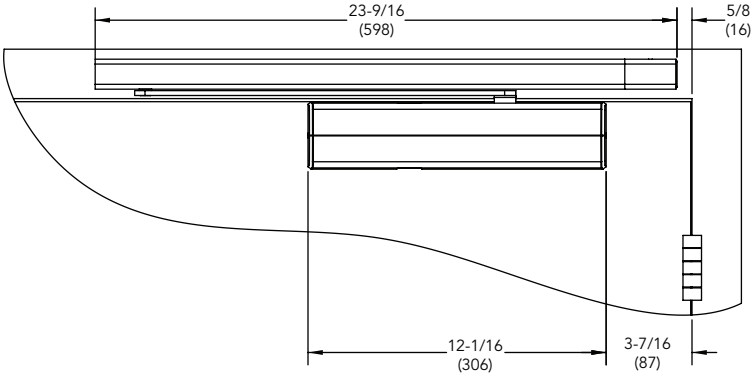
STANDARD APPLICATIONS



Pull Side

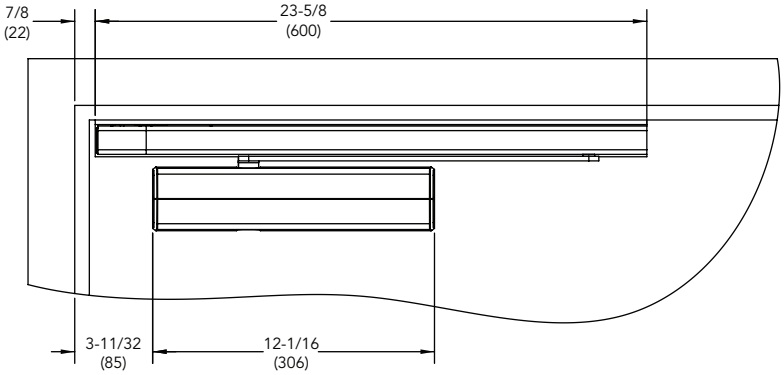
- 70° - 120° hold open range

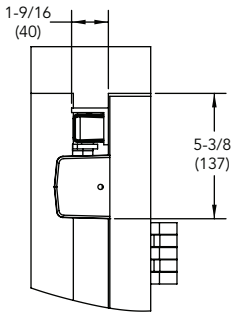




Push Side

- 70° - 115° hold open range
- 63-4433 track angle bracket required (included)
- Minimum frame reveal is 1-1/2 (13)
- 4-3/4 (121) minimum door top rail





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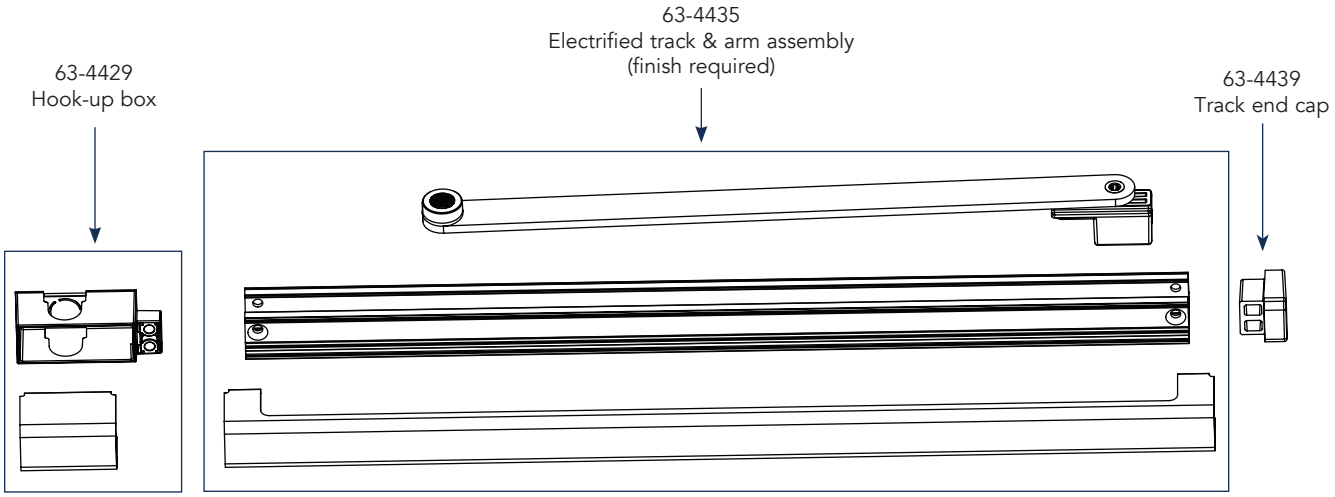
Parts List, Accessories

PARTS LIST

Part #	Description
63-4437	Closer body only
422C	Plastic cover
63-4466	Closer screw pack
63-4470	Spline screw pack
63-4467	Track screw pack
63-4473-EN	Sex nut package: 1-3/4" door thickness
63-4474-EN	Sex nut package: 2-1/4" door thickness
63-4433	Slide track angle bracket
63-4438	Screw pack for angle bracket



ACCESSORIES

422D Drop/Back Plate: For use where the narrow top rail of the door prevents the closer from being mounted directly to the door surface. This drop plate must be used for closer mounted on a top rail between 1-7/8" and 3-3/8" (48 and 86mm) in height.

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Specification

SPECIFICATION

Shall be electromechanical closer/holder. Hold open to be achieved by electric solenoid locking on closer arm slide in it track. Track, slide, and solenoid to be contained in a single aluminum extrusion 1-1/2" (38mm) high x 1-5/16" (33mm) deep.

Closer shall be door mounted. Track and hold open mechanism shall be surface mounted to the frame face for application on the pull side of the door and frame soffit mounted (with bracket) for application on the push side of the door. Single point hold open shall be selective through a range of 70° to 120° for pull side and 70° to 115° for push side. Hold open point to be achieved by adjusting location of hold-open mechanism in the track.

Door closer has be a surface mounted, cam action, high-efficiency door closer with complete spring power adjustment sized 1 through 6. Closer to be the cam and roller design, one piece cast aluminum silicon alloy body with adjustable back check and independently controlled valves for closing sweep and latch speed. Non-hold open door closer body to be UL Listed for self-closing doors. Unit meets cULus.

Units to be fail safe and close the door during an interruption to the electrical power. The hold open solenoid coil shall have a maximum amperage draw of .060 Amps at 24VDC.

All wiring connections shall be made without the need of wire nuts or soldering. Units shall require 24VDC power input. Input power to connect to header attached to the end of the solenoid leads and located inside the hook-up box. Wiring, conduit, and conduit connectors by others.

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How to Order, Finishes

HOW TO ORDER

422EHT	EN
Series	**Finish**
422EHT	EB EN BSP WSP

How To Order Accessories	Example
For individual parts and assemblies, please check the price book for availability and pricing.	
Cover	Specify: 422C x finish
Closer Body only	Specify: 63-4437

FINISH OPTIONS

Finishes	ANSI/BHMA	Description
EB	695	Bronze powder coated to match finish 10B
EN	689	Aluminum powder coated
BSP	BSP	Black suede powder
WSP	WSP	White suede powder

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

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

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ASSA ABLOY

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www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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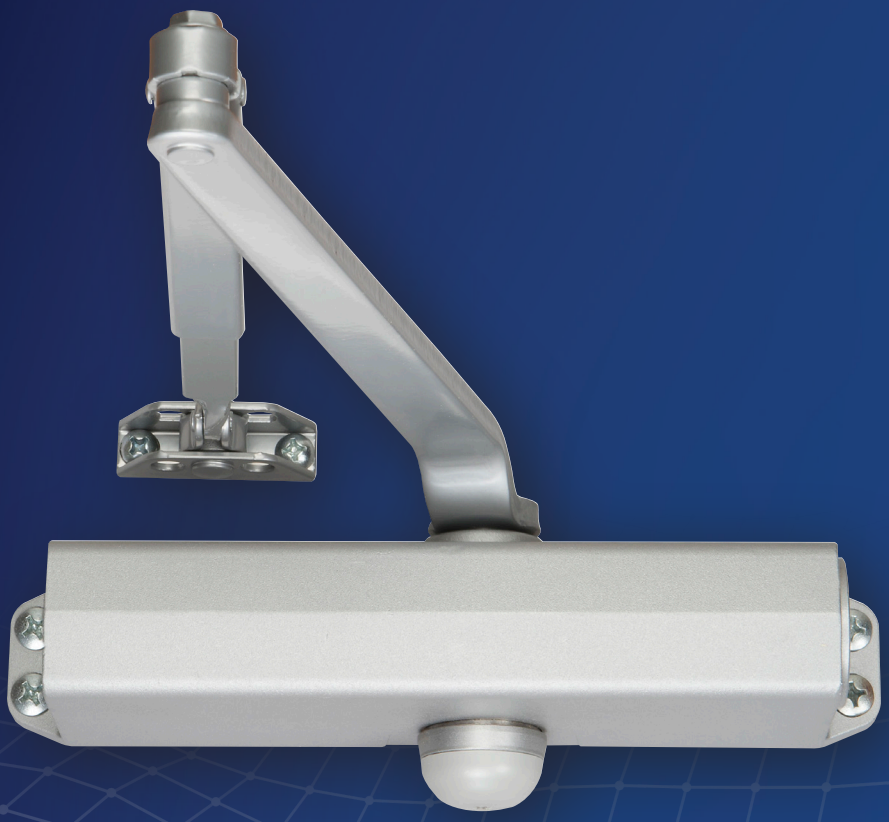
PRODUCT CATALOG

1131 Series Door Closers



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and more open world

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

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On The Cover

1131 RU installed "Standard application"

⚠ WARNING

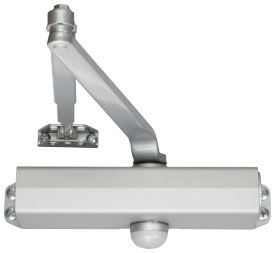
This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

General Information

FEATURES

- Reversible "non-handed"
- Full rack and pinion
- High strength cast aluminum case
- Tri-packed for versatile mounting, inverted or parallel
- Arm leverage adjustment
- Heat treated high tensile springs
- One piece spindle heat treated for high strength
- Model available with spring adjustment
- Separate key controlled regulating valves for door closing and latching speed
- Powder coated finishes
- Valves are captivated to prohibit vandalism
- Adjustable backcheck valve is standard
- UL and ULC listed
- Door weight 250 lbs.
- Typical uses hotel/motel guest rooms, assisted living centers, public housing, store fronts, office buildings
- Certified ANSI Grade 1 A156.4
- 30 year warranty
- Parallel arm conversion bracket included
- Mortise nuts and through bolts included
- Auxiliary door stop required
- Optional full cover available
- Wood and machine screws provided as standard

NON HOLD OPEN "RU" PACKAGE



The RU package is provided with non hold open arm which includes additional bracket that allows installer the choice of standard, parallel or top jamb application. Used on rated and non fire rated doors.

Standard application shown above.

HOLDER ARM "HU" PACKAGE

All applications for 1131 series closers shown in this catalog are also available with holder arms. Holding ranges are listed under the individual application. Specify "HU" arm when ordering.

The HU includes an extra bracket for field conversion from standard application to parallel arm application.

SERIES BY APPLICATION

Description	Models
Adjustable from sizes 1 through 6: door closers to meet ADA requirements or for light through heavy weight interior doors	1131

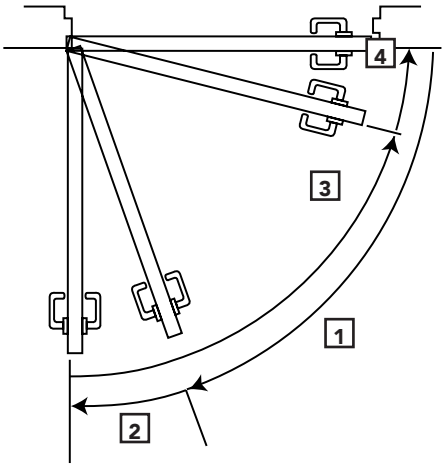
DOOR OPENING AND CLOSING CYCLE

The door opening cycle compresses the springs and positions the fluid to control the other cycles.

The backcheck cycle is controlled by the backcheck valve. This cycle slows the door before making contact with door stop. This can easily be turned off for doors that open more than 90°. (A door stop must be used to stop the door.)

Two separate valves control the door closing and latching speeds. The closing cycle controls the speed of door closing from the fully opened position to approximately five inches from the closed position. The latching cycle controls this last five inches.

1. Opening cycle
2. Backcheck
3. Closing speed
4. Latching speed



CAUTION: Door Closers for Low Opening Force Applications:
Door closers installed in openings required to meet the requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door based on opening or site conditions.

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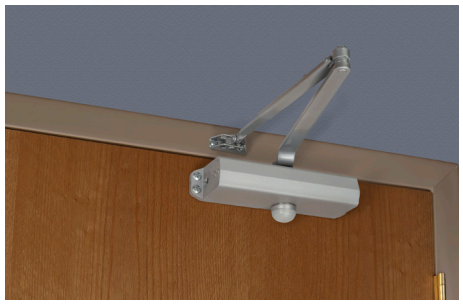
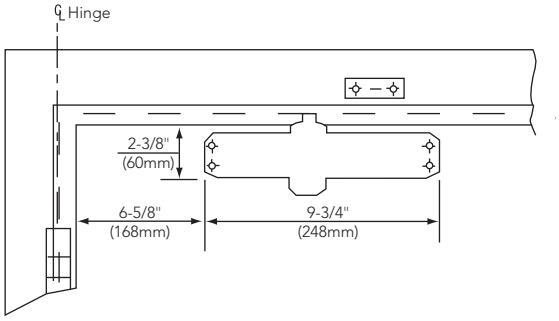
Applications

STANDARD APPLICATION

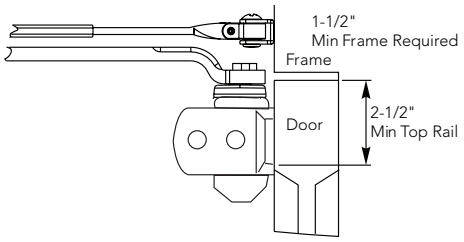
Closer mounts on pull side of door. Two mounting positions allowing opening up to 180° if wall and frame conditions allow.

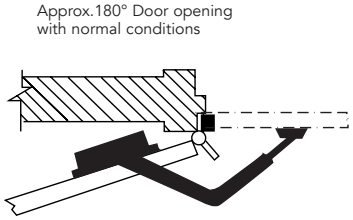


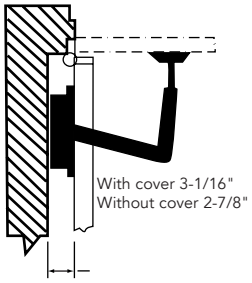


Standard Mounting: Standard mounting provides maximum power allowing door to open 100°. Holding range of holder arm (hold open arm): 85°-100°.

Alternate Mounting: Closer installed to allow for 180° opening. Range of hold open arm from 85-180° Maximum door opening: 180° if wall and trim conditions allow. Holding range of holder arm (hold open arm): 85°-180°. If butt, frame and wall conditions permit, closer will allow door to open 180°. Minimum top rail width required 2-1/2" for regular and hold open arm.

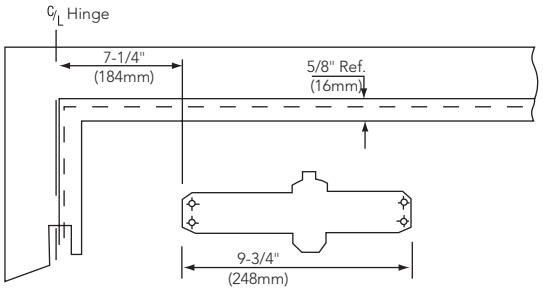






PARALLEL ARM APPLICATION

Closer mounts on top rail on stop side of door. Minimum top rail 5-1/4". As door opens, closer swings with door and gives full head room in door opening. For use on doors opening either in or out. Also used on two doors hung on the same frame with closer mounted between doors with a minimum of 5-1/4" in between doors. When two closers are used on different doors inside the same frame, the minimum door size is 46".



Standard Mounting: Standard mounting provides maximum power allowing door to open 100°. Holding range of holder arm (hold open arm): 85°-100°.

Alternate Mounting: Closer installed to allow for 180° opening. Range of hold open arm from 85-180°. Minimum width of stop required to mount foot bracket of arm is 1". Minimum mounting space required between two doors is 5-9/16" for regular arms and for holder arms.

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Applications & Accessories

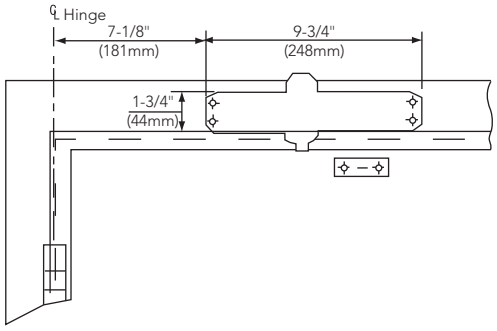
TOP JAMB APPLICATION

Closer mounts on top casing of push side of door.

As door opens, closer arm swings with door. Mounting for reveals up to 3".

Provides maximum power allowing door to open 100°. Holding range of holder arm (hold open arm): 85°-100°.

Alternate mounting: Closer installed to allow hinge to allow for 180° opening reveals less than 2". Range of hold open arm from 85-180°.



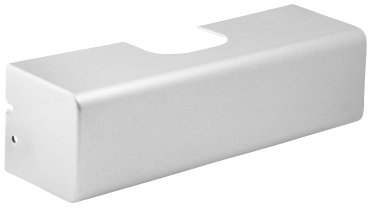
Minimum rail width on top casing required is 1-3/4". Minimum door rail width required to mount closer foot is 2-1/4", when frame without head stop is used (flush header).

OPTIONAL ACCESSORIES

Full size non-handed high impact cover secured by two machine screws

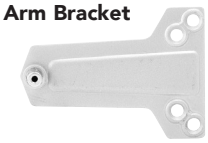
Specify suffix "C" when ordering.

To order cover separately, use P/N 60-0535 x finish

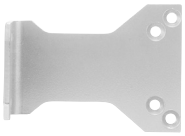


BRACKETS (INCLUDED)

Regular Parallel "RU" Arm Bracket
Converts regular standard arm to parallel arm



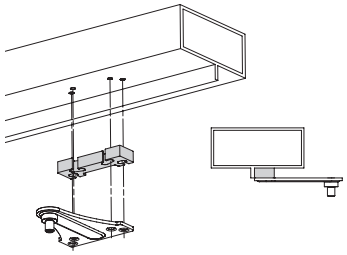
Hold-Open "HU" Arm Bracket
Converts the hold-open standard arm to hold-open parallel arm



581-1 BLADE STOP KIT

Kit includes longer fasteners and 1/2" thick metal spacer for use with 1/2" blade stops commonly found on store front aluminum frames

Used with JP9 and JHP9 arms



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Architectural Specifications

SARGENT
ASSA ABLOY

Architectural Specifications

2.0 DOOR CLOSERS

A. Door closers shall be 1131 Series as manufactured by SARGENT Manufacturing Company.

B. Door closers shall meet ANSI/BHMA A156.4, Grade 1 requirements.

C. Door closers shall be UL listed (US and Canada) for use on fire doors.

D. Door closer shall meet the requirements of UL 10C positive pressure fire tests.

E. Provide closers adjustable from sizes 1-6.

F. Closers shall be non-handed to meet a variety of door conditions and design requirements.

G. Closing speed, latching speed and backcheck shall be controlled by separate key operated, captivated valves.

H. Closers shall have heat treated rack and pinion construction.

I. An increase of 15 percent in closing power shall be provided by means of adjustment of the arm leverage at the foot connection. (Standard Arm mount)

J. Closer main arms shall be heavy duty steel.

K. Door closer bodies:

1. One piece door closer body shall be of high strength cast aluminum alloy.
2. Adjustment valves shall be captivated and non-critical.
3. Closer spindle shaft shall be sealed hydraulically with an “O” ring.

L. Specify desired option: (SRI) Special Rust Inhibitor Process.

M. Projection of closer body from door shall not exceed 2-3/16" (56mm).

N. Closer covers shall be constructed of high impact plastic material of flame retardant grade, secured by machine screws.

O. Closers shall be suitable for standard, top jamb, and parallel arm type applications when provided with proper brackets and arms.

P. Door closers shall have a 30 year limited warranty.

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How To Order & Packing

How to order complete door closer		Example
Model #	**1131**	**1131**
Arm Type	RU or HU (hold open)	1131**RU**
Finish	EB – Bronze to match 10B	1131 RU **EB**

FINISHES

Finishes	ANSI/BHMA	Description
EB	695	Bronze powder coated to match finish 10B
EN	689	Aluminum powder coated
ED	693	Black powder coated to match finish 20D
EAB	696	Brass powder coated
EP	691	Bronze powder coated to match finish 10
10BE	613E	Dark oxidized satin bronze - equivalent
BSP	—	Black Suede powder coated
WSP	—	White Suede powder coated

NOTE:

- Before installing a door closer, verify the accessibility, fire, and life-safety requirements that are in effect. This includes the mounting height and projection into the clear opening. Check the adopted state and local building codes and consult the Authority Having Jurisdiction (AHJ).
- To maintain the warranty and ensure proper operation of the product, follow the installation instructions & templates and install on the inside of the building.
- Consult NFPA 80 for the hinge requirements on a fire door.
- Failure to use fasteners supplied with closer may void factory warranty.
- Optional fasteners are available for a variety of applications. Consult the door and frame manufacturer to ensure the proper fasteners are used to maintain certifications.
- Sizing charts are based on 1-3/4" x 7' standard weight doors swinging to 110°. Other application conditions (e.g. larger door heights or weight) may require larger size closer. Adjusting the spring power to meet the low opening force requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, may not provide adequate closing power to dependably close and latch the door in some conditions (i.e. air movement from wind gusts or building stack pressure).

SPECIAL RUST INHIBITOR PROCESS (SRI)

Additional process provides an extra layer of protection for extreme corrosive environments. Available with powder coated finishes only (closer body),specify SRI- when ordering.

PACKING

Approximate shipping weights and piece count per case		
1131 Series	6 per carton	39 lbs case

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1331 Series Door Closers

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How to Order & Packing 13

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

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On The Cover

1331 JO X EN

⚠ WARNING

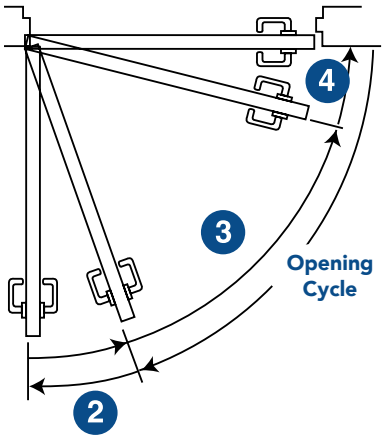
This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

General Information

1 Closer Spring Adjustment (not shown)
- Effects the entire cycle of the door closer movement
- Used to size closer for application requirements
- Determines the amount of force with which the door closes and the amount of force required to open the door
- Adjustable to compensate for door size and draft conditions

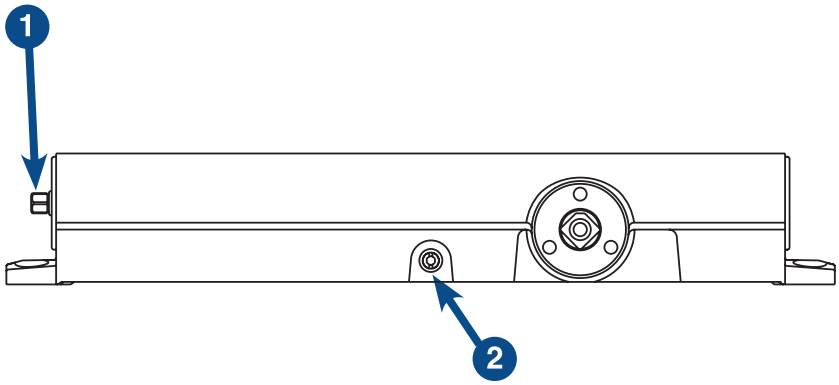
2 Backcheck valve
- At approximately 70° of the open cycle, the backcheck valve begins to slow the door's motion
- Prevents the door from slamming into the door's stop
- Valve is used to control the intensity of the backcheck
- **Note:** A positive stop is required, backcheck cannot be used as a stop

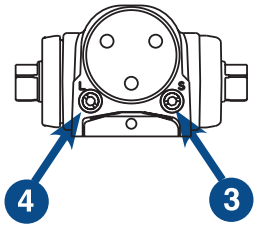
Door Closer Cycle



3 Closing speed valve
- Controls how fast the door closes to approximately 8" from the closed position

4 Latching speed valve
- Controls the speed of the door during the final 8" of door swing
- The force the door closes with is controlled by the closer spring
- **Note:** This adjustment is critical for door latching





HOW TO SELECT THE PROPER CLOSER

Things to Consider

1. Size and Weight of Door
The 1331 Door Closer is non-sized so that closing force can be adjusted in the field to accommodate various door sizes and weights.

2. Interior Application
The standard application is the most efficient in terms of power and control.

3. Exterior Application
The top jamb, parallel arm application should be used. Exterior doors require greater closing forces because of draft conditions. Always place the closers out of the weather.

4. Degree of Opening
Proper arm and position on the door is most important to permit the door to open far enough to allow adequate traffic flow.

5. Function
Closers are available with hold-open or positive stop arms.

6. Special Condition
Consult factory when special hinges, overhead holders or other specialized hardware is used.

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Features, Benefits & Applications

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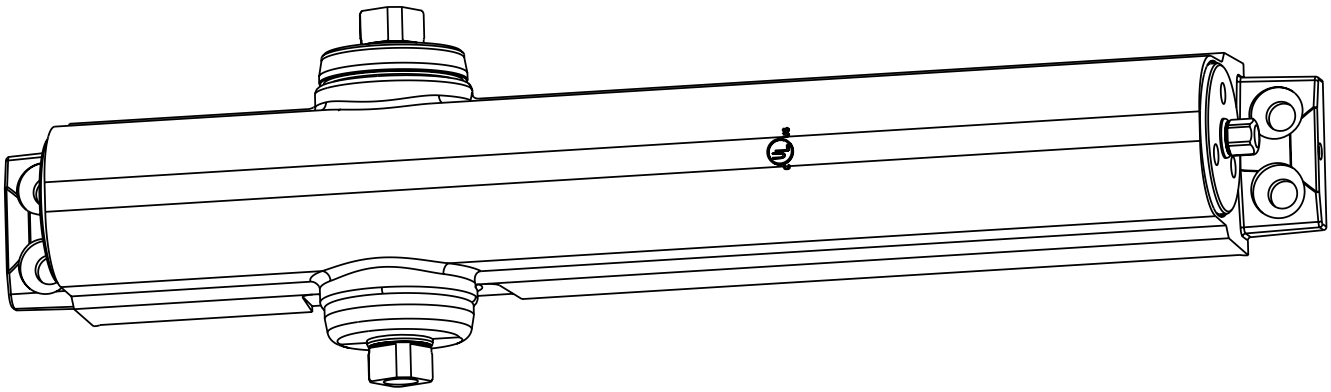
The SARGENT 1331 Series door closer is a Grade 1 fully adjustable closer suitable for new construction and also ideal for renovations. Available with a full range of arms and accessories, the 1331 Series door closer can be used for most common applications and is ideal for standard duty installations. Common applications include offices, assisted living facilities, hotel guest rooms, public housing and retail establishments.



1331 shown without the standard cover

Strength, Durability and Security

- Meets and exceeds ANSI/BHMA A156.4 Grade 1 requirements
- UL and UL 10C listed
- Complies with ADA requirements and ANSI/BHMA A117.1 and exterior doors
- Adjustable closing force range from size 1 - 6
- High impact full plastic cover secured by machine screws
  - Optional ABS Cover available (consult factory for details)
- One-piece high strength aluminum alloy body
- 1-1/4" diameter piston for enhanced control
- 7/16" square arm engagement for enhanced torque transmission
- Heat treated rack & pinion provides longevity
- Speed Control Valves
  - Separate latching, closing/sweep and back check intensity valves
  - Captured valves are easily adjusted using a standard 1/8" Allen wrench
- Arms and accessories are powder-coated
- 30-year limited warranty, body is date coded
- Door weight: 250 lbs.

Convenience

- Non-handed closer
- All weather hydraulic fluid
- Easily installed in minutes!
- Easy-to-use instructions
- Mortise nuts available when door condition requires through bolting, specify TB- option
- Tri Pack or "Universal Packed" - JUO or JUH (Hold Open). Packages include one extra bracket that gives the installer a choice for installation from Standard, Parallel or Top Jamb applications.

Flexibility

- Retrofits a Falcon/Dor-O-Matic SC 80 and Dorma 8600
- Both machine and self-tapping screws provided
- Universal body is interchangeable for all applications (standard, top jamb & parallel)
- Similar design style to complement the Heavy Duty Powerglide® Series
- Allows door to open a full 180° (trim permitting) with standard arms. Maximum opening angle differs with optional arms and frame conditions.

Applications

- Office Buildings
- Assisted Living Facilities
- Hotel Guest Rooms
- Public Housing
- Retail Establishments

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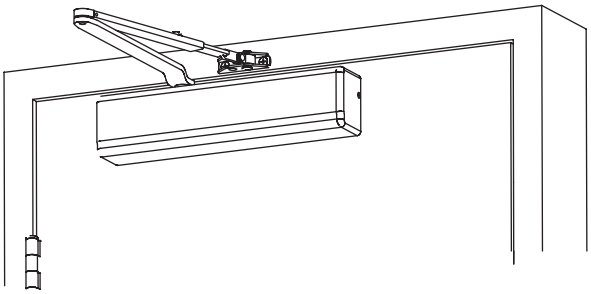
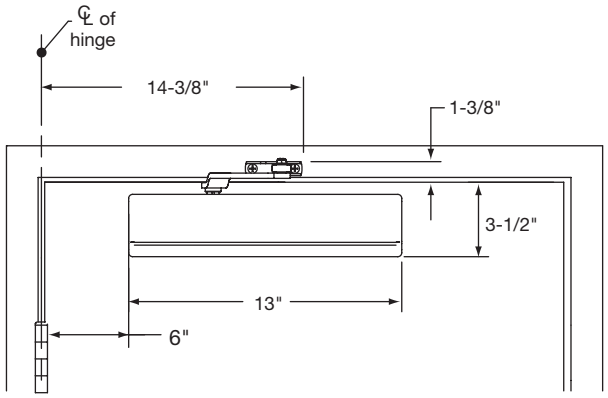
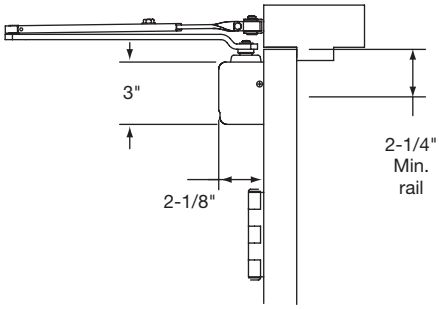
Standard Applications



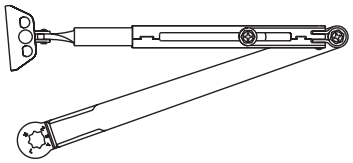


JO Standard Application Illustrated

The JO arm can be used on doors up to 48" wide and 250 lbs. An auxiliary door stop is required. The JH hold open arm is similar and allows for adjustable hold open from 75° to full opening.



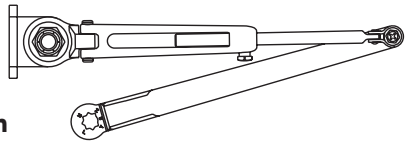
Closer shown templated for 120° max. opening



JO Arm

- Non-hold open

For arm only, order as 25-JO x finish



JH Arm

- Hold open
- Hand is changed by inverting the foot assembly
- Holds open from 75° to 180°

For arm only, order as 25-JH x finish

JO and JH arms are non-handed and will allow the door to open 180° (frame and trim permitting)

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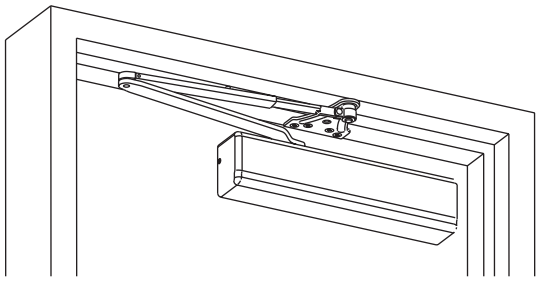
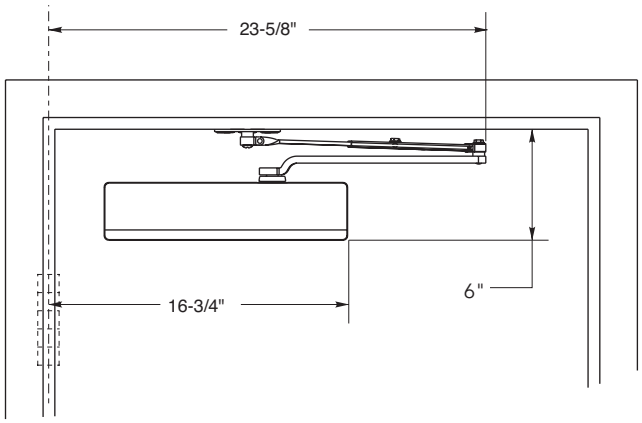
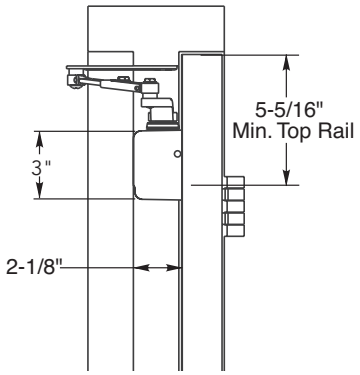
Parallel Application



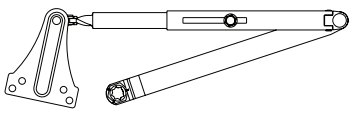
JP9 PARALLEL ARM APPLICATION ILLUSTRATED

The JP9 arm can be used on doors up to 48" wide and 250 lbs. An auxiliary door stop is required. The JPH9 hold open arm is similar and allows for adjustable hold open from 75° to full opening.





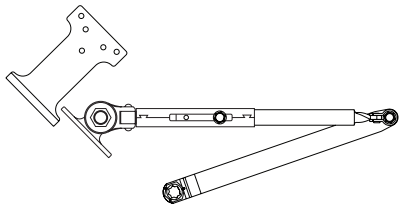
JP9 Arm



- Non-hold open

For arm only, order as 25-JP9 x finish

JPH9 Arm



- Hold open
- Hand is changed by inverting the foot assembly
- Holds open from 75° to 180°

For arm only, order as 25-JPH9 x finish

JP9 and JPH9 arms are non-handed and will allow the door to open 180° (frame and trim permitting)

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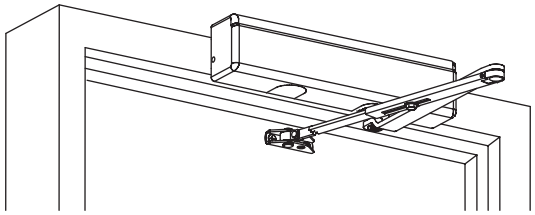
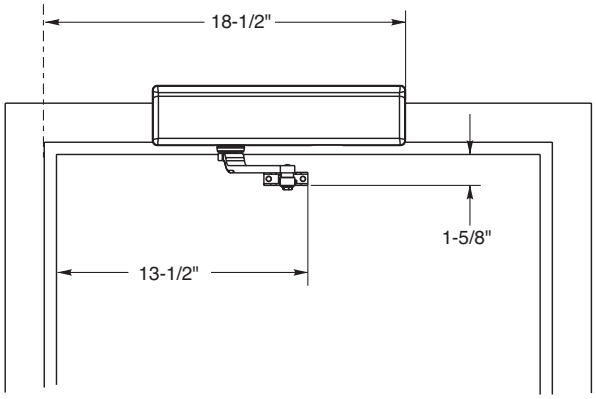
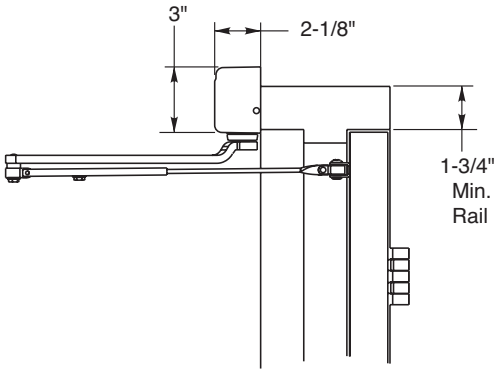
Top Jamb Applications



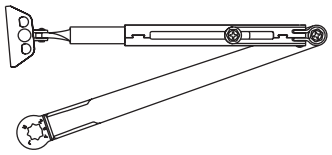
JO TOP JAMB APPLICATION ILLUSTRATED

The JO arm can be used on doors up to 48" wide and 250 lbs with reveals less than 3". An auxiliary door stop is required. The JH hold open arm is similar and allows for adjustable hold open from 75° to full opening.





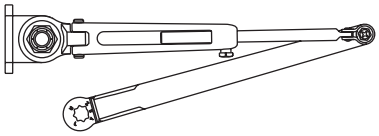
Closer shown templated for 120° max. opening



JO Arm

- Non-hold open

For arm only, order as 25-JO x finish

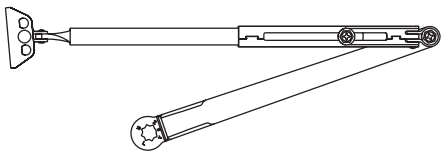


JH Arm

- Hold open
- Hand is changed by inverting the foot assembly
- Holds open from 75° to 180°

For arm only, order as 25-JH x finish

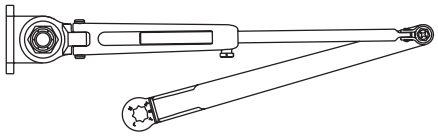
JO and JH arms are non-handed, can be used on applications with less than 2" reveals and will allow the door to open 180°
(frame and trim permitting)



JOZ Arm

- Non-hold open

For arm only, order as 25-JOZ x finish



JHZ Arm

- Hold open
- Hand is changed by inverting the foot assembly

For arm only, order as 25-JHZ finish

JOZ and JHZ arms are non-handed, can be used on applications with reveals 2-3/4" – 6-3/4" and will allow the door to open 180° (frame and trim permitting)

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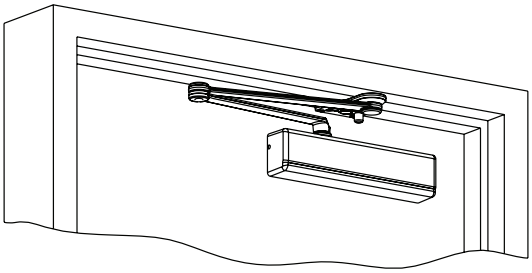
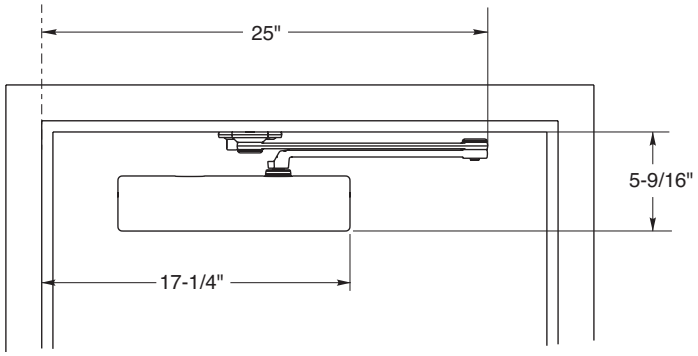
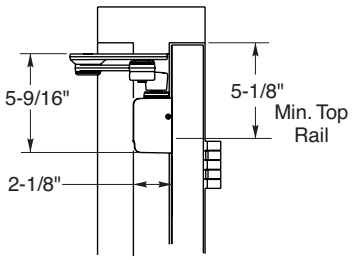
Heavy Duty Parallel Applications



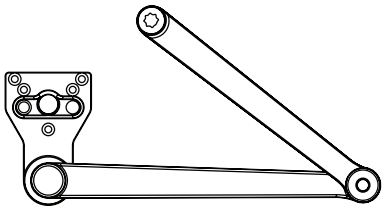
JPS HEAVY DUTY PARALLEL APPLICATION ILLUSTRATED

Heavy Duty arms can be used on doors up to 48" wide and 250 lbs. An auxiliary door stop is required for the JP10 and JPH10 arms. Heavy duty hold open arms are available.





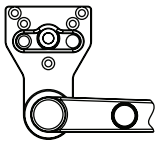
JPS Arm



- Arm includes stop
- Non-hold open
- Maximum door opening 110°

For arm only, order as 25-JPS x finish

JPSH Arm



- Arm includes stop
- Hold open
- Maximum door opening 110°

For arm only, order as 25-JPSH x finish

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Heavy Duty Parallel Applications

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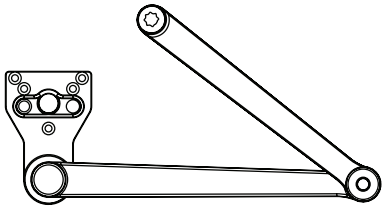
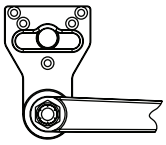
JP10 Arm



- Arm does not include stop
- Non-hold open
- Maximum door opening 180°

For arm only, order as 25-JP10 x finish

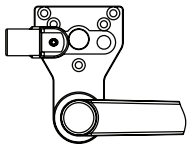
JPH10 Arm



- Arm is handed; specify LH or RH when ordering
- Arm does not include stop
- Hold open
- Maximum door opening 180°

For arm only, order as 25-JPH10 x hand x finish

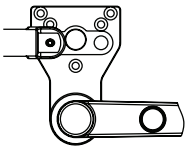
JCPS Arm



- Arm includes spring
- Non-hold open
- Maximum door opening 110°

For arm only, order as 25-JCPS x finish

JCPSH Arm



- Arm includes spring
- Hold open
- Maximum door opening 110°

For arm only, order as 25-JCPSH x finish

All heavy duty arms are non-handed and will allow the door to open 180° (frame and trim permitting)

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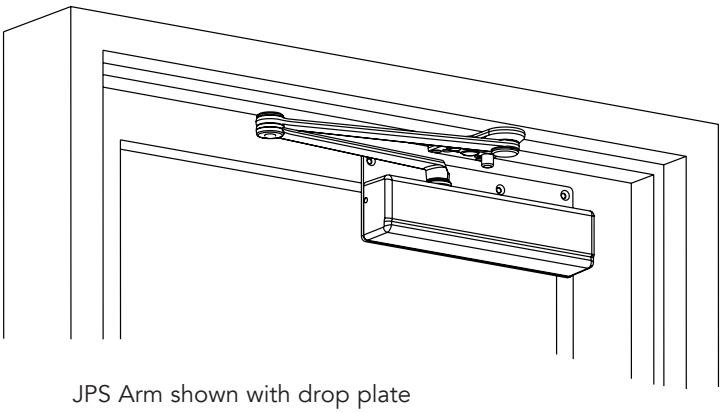
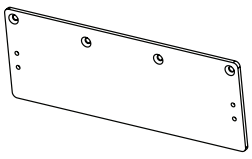
Accessories

1331D Drop Plate — parallel arm application for narrow top rails

The 1331D is required when top rails are less than 5-1/8". A minimum 3" top rail is required.



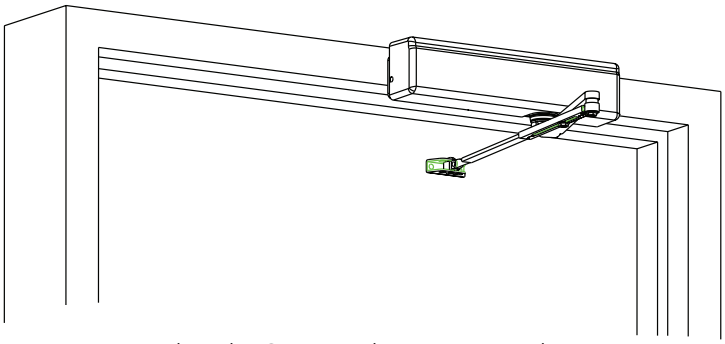
JPS Arm shown with drop plate



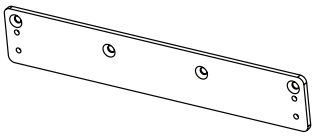
1331B Mounting Plate — used on narrow face frames or on applications that have a low ceiling clearance

Use the 1331B mounting plate if:

- Ceiling clearance is 2" or less or
- Narrow frame face is less than 1-1/2"



Top jamb with JO Arm with B mounting plate



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Accessories

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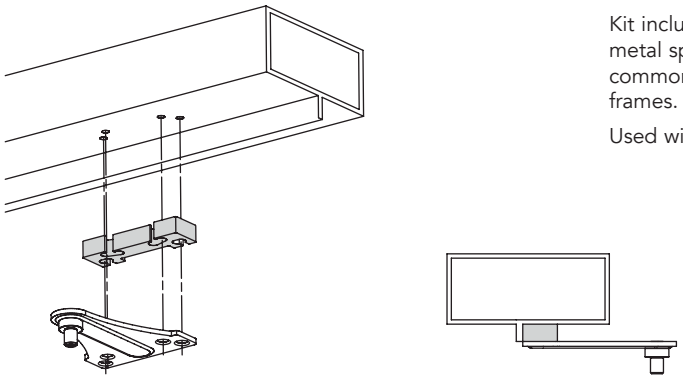
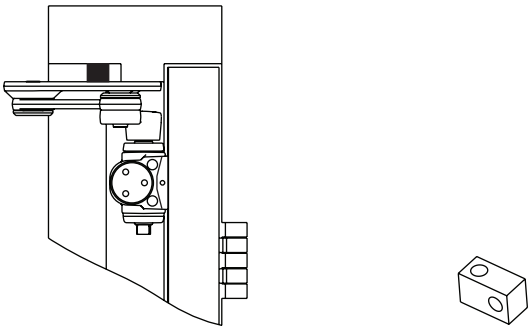
581-1 Blade Stop Kit



Kit includes longer fasteners and 1/2" thick metal spacer for use with 1/2" blade stops commonly found on store front aluminum frames.

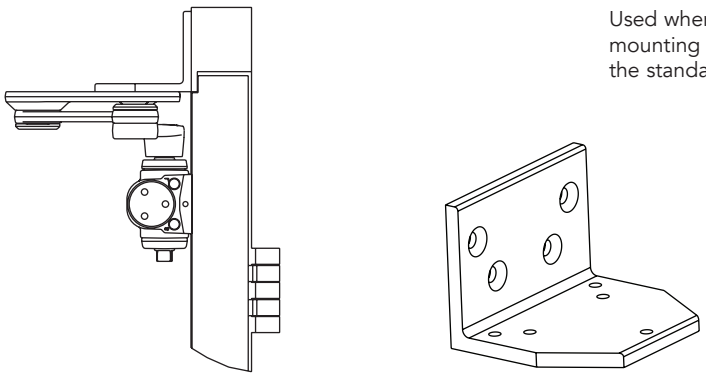
Used with JP9 and JPH9 Arms.

582-1 Spacer Block



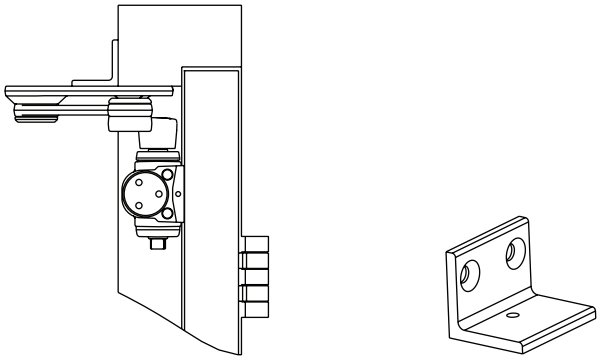
Use where a narrow frame soffit does not provide adequate support for the soffit plate.

125JVF Angle Bracket



Used where flush transom conditions prevent mounting of standard soffit plate. Used with the standard soffit plate.

125JV Support Bracket



Used where the frame is narrow and the soffit plate cannot be mounted directly to the frame soffit or rabbet. Used on frames where the frame stop does not exceed 5/8" in height.

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Architectural Specifications & ADA Compliance

SPECIFICATIONS

2.0 DOOR CLOSERS

A. Door closers shall be 1331 Series as manufactured by Sargent Manufacturing Company.

B. Door closers shall meet ANSI/BHMA A156.4, Grade 1 requirements.

C. Door closers shall be UL listed (US and Canada) for use on fire doors.

D. Door closer shall meet the requirements of UL 10C positive pressure fire tests.

E. Provide closers adjustable from sizes 1 through 6.

F. Closers shall be non-handed to meet a variety of door conditions and design requirements.

G. Closing speed, latching speed and backcheck shall be controlled by separate key operated, captivated valves.

H. Closers shall have heat treated rack and pinion construction.

I. An increase of 15 percent in closing power shall be provided by means of adjustment of the arm leverage at the foot connection. (Standard Arm mount)

J. Closer main arms shall be heavy duty steel with powder coated finish.

K. Door closer bodies:

   1. One piece door closer body shall be of high strength aluminum alloy.
   2. Adjustment valves shall be captivated and non-critical.
   3. Closer spindle shaft shall be sealed hydraulically with an “O” ring.

L. Specify desired options such as: Metal Cover, Security Package, (SRI) Special Rust Inhibitor Process (ABC) Advanced Back Check, (TB) Through-bolting, (DA) Delayed Action and Architectural Plated Finishes.

M. Projection of closer body from door shall not exceed 2-3/16" (56mm).

N. Closer covers shall be constructed of high impact plastic material of flame retardant grade, secured by machine screws. Optional ABS covers available.

O. Closer covers shall be of the same style/design of other closers specified for this project.

P. Closers shall be suitable for standard, top jamb, and parallel arm type applications when provided with proper brackets and arms.

Q. Door closers shall have a 30-year limited warranty.

ADA COMPLIANCE

The 1331 Series is designed to meet the opening force requirements established by the Americans with Disabilities Act for 5 lbs. of opening force for interior doors. The spring power is fully adjustable.

CAUTION: Door Closers for Low Opening Force Applications:
Door closers installed in openings required to meet the requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door based on opening or site conditions.

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How To Order & Packing

PACKING

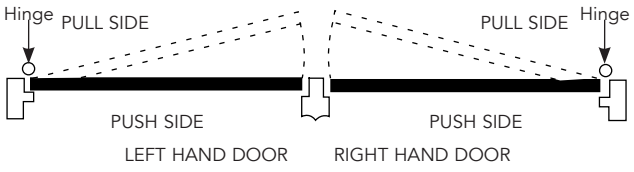
All closer assemblies are packaged 4 per carton.

Series	Number per Carton	Approx. wt per Carton
1331	4-Standard	28 lbs. per 4

HOW TO ORDER COMPLETE DOOR CLOSER

	1331	JO	EB
Options	**Series**	**Closer Arm**	**Finish**
TB	1331	Standard	EB
SRI Special Rust Inhibitor finish for powder coated finishes (closer body only)		Top Jamb	ED
		Parallel	EN
		Heavy Duty Parallel	EP
			EAB
			BSP
			WSP

Note: All arms are unique to the 1331 and are not interchangeable with other series



Special Rust Inhibitor Process (SRI-)
Additional process provides an extra layer of protection for extreme corrosive environments. Available with powder coated finishes only, specify SRI- as an option when ordering.

Notes:

- Before installing a door closer, verify the accessibility, fire, and life-safety requirements that are in effect. This includes the mounting height and projection into the clear opening. Check the adopted state and local building codes and consult the Authority Having Jurisdiction (AHJ).
- To maintain the warranty and ensure proper operation of the product, follow the installation instructions & templates and install on the inside of the building.
- Consult NFPA 80 for the hinge requirements on a fire door.
- Failure to use fasteners supplied with closer may void factory warranty.
- Optional fasteners are available for a variety of applications. Consult the door and frame manufacturer to ensure the proper fasteners are used to maintain certifications.
- Sizing charts are based on 1-3/4" x 7' standard weight doors swinging to 110°. Other application conditions (e.g. larger door heights or weight) may require larger size closer. Adjusting the spring power to meet the low opening force requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, may not provide adequate closing power to dependably close and latch the door in some conditions (i.e. air movement from wind gusts or building stack pressure).

How To Order Accessories		Example
Arm Only (specify 25-)	Specify: 25- arm (JO, JH, JP9, JPH9, JOZ, JHZ, JPS, JPSH, JP10, JP10H, JCPS, JCPSH) x finish	25-JO x EN
Cover (standard) only (specify -C)	Specify: 1331-C x finish	1331-C x EP
Body only (specify CB-)	Specify: CB-1331	CB-1331
ABS Cover (optional) only (specify -CEC)	Specify: 1331-CEC x finish	1331-CEC x EB
Drop Plate – For Parallel Arm	Specify: 1331D x finish	1331D x EP
Mounting Plate (Top Jamb)	Specify: 1331B x finish	1331B x ED
Parallel Arm Bracket	Specify: 125JP9 x finish	125JP9 x EAB (converts JO to JP9)
Parallel Arm Bracket	Specify: 125JPH9 x finish	125JPH9 x EN (converts JH to JPH9)
Mortise Nuts	Specify: 4TB x finish	4TB x EB

Note: When complete closer assembly is ordered with an accessory, order accessory as a separate item

FINISHES OPTIONS

Finishes	ANSI/BHMA	Description
EB	695	Powder coated to match finish 10B
EN	689	Aluminum powder coated
ED	693	Powder coated to match finish 20D
EAB	696	Brass powder coated
EP	691	Bronze powder coated to match finish 10
10BE	613E	Dark oxidized satin bronze - equivalent
BSP	—	Black Suede Powder Coat
WSP	—	White Suede Powder Coat

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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SARGENT®

ASSA ABLOY

PRODUCT CATALOG

1431 Series Powerglide® Door Closer

Experience a safer
and more open world

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SARGENT®
ASSA ABLOY

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The 1431 line of surface mounted door closers has been engineered to meet the demands of architects and building owners. The 1431 Series is a complete line of closers for interior and exterior doors with quality and flexibility to meet virtually every application.

O	Standard Arm
H	Hold Open Arm
Z	Deep Reveal Arm 2-1/8" to 5"
ZA	Extra Deep Reveal Arm 5-1/8" to 8"
P	Parallel Arm or Push Side
S	Arm with Positive Stop
C	Arm with Positive Cushioned Stop "C" is always accompanied by an "S" (Stop)

Note: Often more than one letter is used to describe one type of arm

c UL us LISTED

All SARGENT Powerglide® Door Closers are listed by the Underwriters' Laboratories, Inc. as follows:

"For Self-Closing Doors Without Hold-Open Feature"
Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

On The Cover

SARGENT 1431 Door Closer with US26 plated O arm and metal cover

General Information

SARGENT
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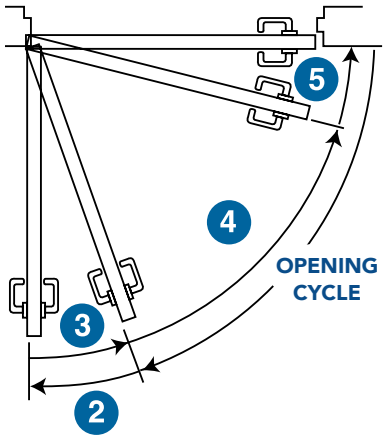
1 Closer Spring Adjustment (not shown)
- Effects the entire cycle of the door closer movement
- Used to size closer for application requirements
- Determines the amount of force with which the door closes and the amount of force required to open the door
- Adjustable to compensate for door size and draft conditions

2 Backcheck valve
- At approximately 70° of the open cycle, the Backcheck Valve begins to slow the door's motion
- Prevents the door from slamming into the door's stop
- Valve is used to control the intensity of the Backcheck
- **Note:** A Positive stop is required, Backcheck cannot be used as a stop

Door Closer Cycle

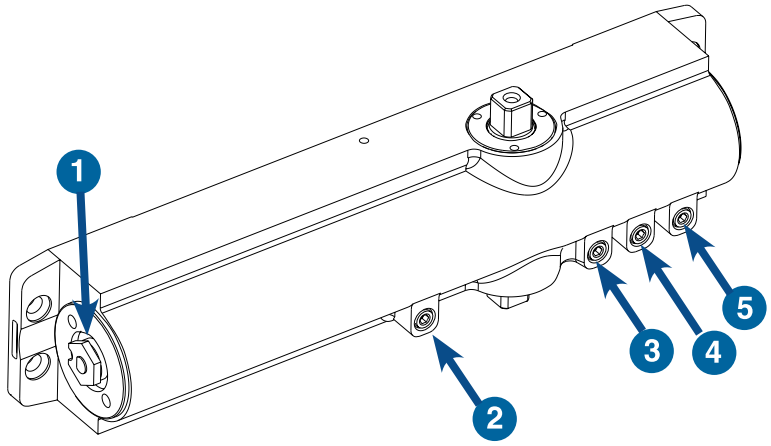


3 Delayed action valve (Optional)
- Holds the door in the open position momentarily
- 20 second minimum hold open delay
- The feature is available for all applications and arms
- Beneficial when moving carts or objects thru door opening and ADA applications

4 Closing speed valve
- Controls how fast the door closes to approximately 8" from the closed position

5 Latching speed valve
- Controls the speed of the door during the final 8" of door swing
- The force the door closes with is controlled by the Closer spring
- **Note:** This adjustment is critical for door latching

CAUTION: Door Closers for Low Opening Force Applications:
Door closers installed in openings required to meet the requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door based on opening or site conditions.

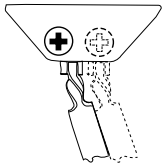


ANSI STANDARDS

Arm	Type	Arm	Type
O	CO2011	PF9	CO2101
P9	CO2021	P10	CO2021
H	CO2051	PS/CPS	CO2021
PH9	CO2061	CPSH/PSH	CO2061

All are certified ANSI types including options PT4 A, B, D, E, F, G, H

Arm Leverage Adjustment
Closers using "O" arms have the provision to increase closing power by 15% by adjusting foot pivot



HOW TO SELECT THE PROPER CLOSER

THINGS TO CONSIDER

1. Size and Weight of Door
The 1431 Door Closer is non-sized so that closing force can be adjusted in the field to accommodate various door sizes and weights.

2. Interior Application
The standard application is the most efficient in terms of power and control.

3. Exterior Application
The top jamb, parallel arm application should be used. Exterior doors require greater closing forces because of draft conditions. Always place the closers out of the weather.

4. Degree of Opening
Proper arm and position on the door is most important to permit the door to open far enough to allow adequate traffic flow.

5. Function
Closers are available with hold-open or positive stop arms.

6. Special Condition
Consult factory when special hinges, overhead holders or other specialized hardware is used.

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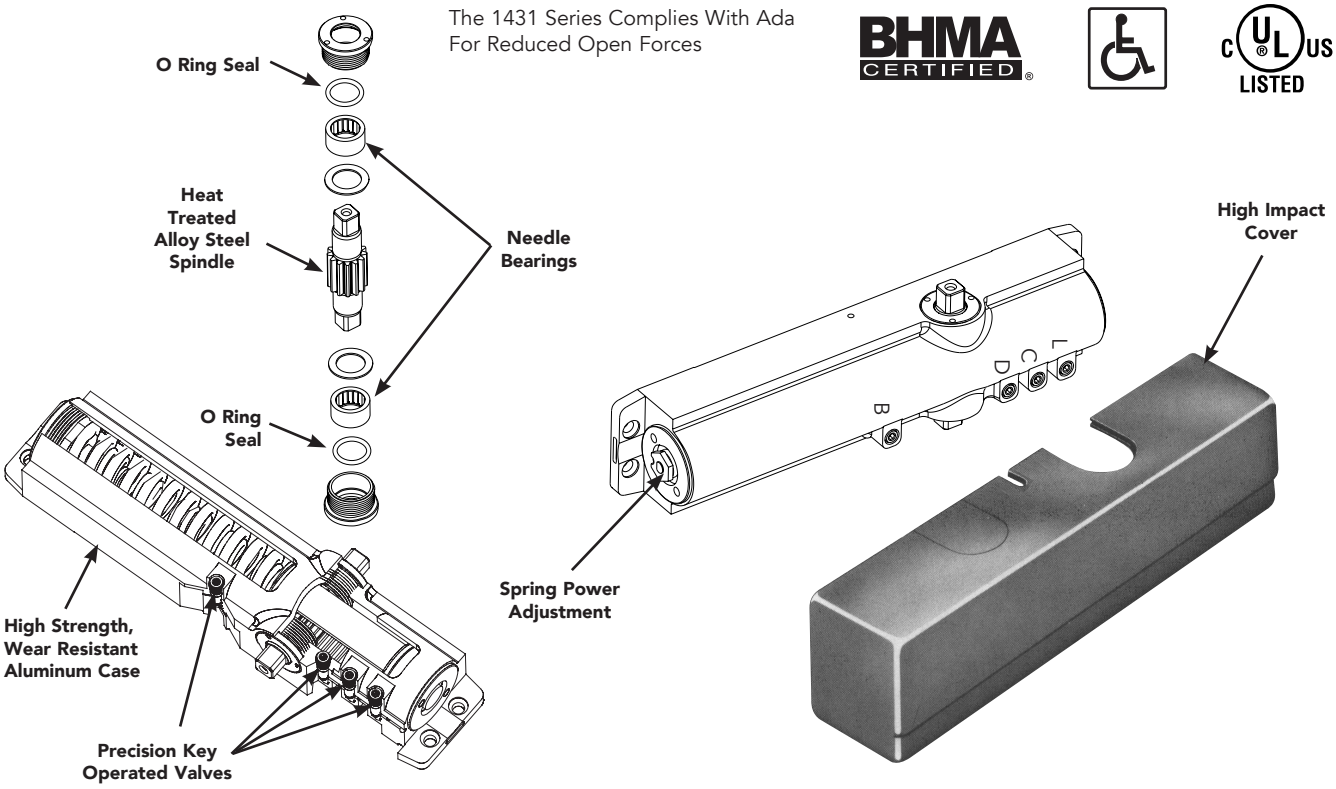
Features and Benefits

The 1431 Series Complies With Ada For Reduced Open Forces



Features
- Certified ANSI/BHMA A156.4 Grade 1
- UL10C positive pressure up to 3 hours
- UL-cUL listed
- 30-year limited warranty
- User friendly versatile mounting applications permit standard, top jamb, parallel and track installations
- Self sticking templates supplied for most applications
- Adjustable spring power allows 1431 closers a size range of 1 through 6. They are adjusted to size 3 before leaving the factory
- One door closer body for all applications. All 1431 are non-handed.
- Meets ADA requirements in all applications, except Push Side Track application (except track)
- High impact non-corrosive plastic covers with two machine screws standard, metal covers and lead lined are optional
- All weather fluid allows closer to operate effectively in extreme temperatures without readjustment
- 1-1/2" diameter piston for superior door control
- Standard pressure relief valves for both opening and closing cycles protect the door and frame from damage caused by abuse
- Retrofits existing SARGENT 1230/1231 Series Closer installations
- Door weight: 250 lbs.

Heavy Duty Construction
- Heat treated full rack and pinion for high strength and wear resistance
- Heavy duty one piece high silicon content aluminum alloy body provides corrosion resistance, superior strength and wear resistance
- 1/2" arm engagement over a 7/16 square spindle ensures a wear-resistant tight joint

Fasteners
- Machine Screws and self tapping screws provided for closer and arm
- In addition, wood screws supplied when installed on wood doors with through bolts

Valves
- Separate brass low sensitivity control valves offer ability to separately regulate door speed, latching, backcheck and optional delayed action
- All valves are captured to prevent accidental removal, adjustable with an 1/8" Allen wrench
- Adjustable backcheck protects the door and hardware from damage during the opening cycle
- Adjustable delayed action (optional) permits easy access for physically impaired individuals

Full Complement of Arm Types
- Standard and parallel arms
- Push and pull track arms
- Heavy duty forged steel arms are finely finished and interchangeable between SARGENT 281 and 1431, and 351 Series. The cold formed arms (RO/RP9) are unique to the 1431 series and not interchangeable with other SARGENT closers.

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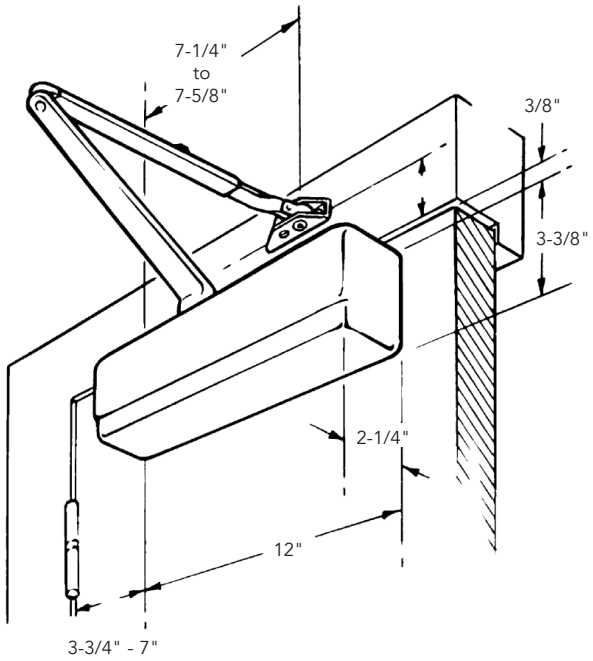
Standard Applications

1431-O STANDARD APPLICATION

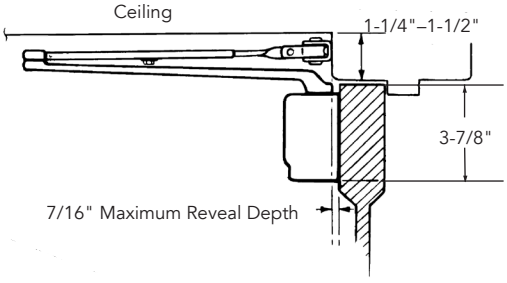


The standard application of the 1431 door closer is the most common and the most desirable. The closer mounts on the hinge (pull) side of door (except when the W Corner Bracket is used). **Note:** This application is not recommended on exterior doors swinging out, since the closer is not protected from weather. The cover projection normally limits the door opening to a maximum of 160°.

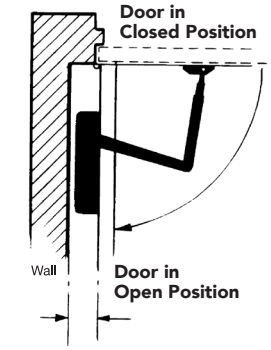
1431 Standard Application for:
- Interior Doors Opening In or Out
- Exterior Doors Opening In

1431 Standard Application Door Opening Range
(Range based on Mounting Position)
- O & RO Standard Arms: 120°–180°
- H- Hold Open Arm: 90°–180°

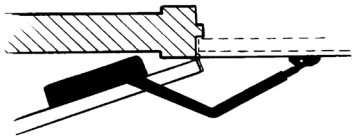
OLC - Low Ceiling Application Arm for Ceiling to Door Clearance of 1-1/4" – 1-1/2"
Door Top Rail Requirement
- 2-5/8" min. rail (116mm)
- For Top Rails less than 3-3/4" with window opening, the 1431-J Cover Plate is recommended



Wall Clearance Requirement



2-3/8" MIN SPACE
(60mm)



Cover Projection normally limits door opening to 160°

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Arms and Accessories for Standard Applications

O - Standard Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Permits 120° door opening with standard mounting
- Permits 180° door opening with alternate mounting or corner bracket

For arm only, order as 25-O x finish

Includes:
63-2607 - Main arm and link assembly
63-2216 - Foot assembly
64-2407 - Screw pack

RO Regular Arm

- Cold Formed Steel Arm 11-1/4 (286mm) long
- For reveal depths up to 2" (51mm)
- Arm is not handed
- Permits 180° door opening

For arm only, order as 25-RO x finish

Includes:
63-3396 -Main arm and link assembly
63-2216 -Foot assembly
64-2407 Screw pack

H - Hold Open Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Hand is changed by inverting the foot assembly
- Friction type holder easily adjusted by a wrench
- Permits 180° door opening
- Holds open from 80° – 180°

For arm only, order as 25-H x finish

Includes:
63-3070 - Main arm and swivel assembly
61-2303 - Foot assembly
64-2407 - Screw pack

O8 - Mortise Foot Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Permits 120° door opening
- Commonly used with bull nose frames

For arm only, order as 25-O8 x finish

Includes:
63-2607 - Main arm and link assembly
63-2273 - Foot assembly
64-2407 & 63-2391 - Screw packs

H8 - Mortise Foot Hold Open Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Handed same as door
- Friction type holder easily adjusted by a wrench
- Holds open from 80° – 180°

For arm only, order 25 R-H8 x finish for right hand or 25 L-H8 x finish for left hand

Includes:
63-3070 - Main arm & link assembly
63-2289 - Left hand foot assembly
63-2290 - Right hand foot assembly
63-2290RH - Foot assembly
64-2407 & 63-2391- Screw packs

OLC - Standard Arm for Low Ceiling

- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Must be used when the distance between the top of door to ceiling is less than 1-1/4" (32mm)
- Permits 120° door opening with standard mounting

For arm only, order as 25-OLC x finish

Includes:
63-2549 - Main arm and link assembly
63-2216 - Foot assembly
64-2407 - Screw pack

UH PACKAGE

- Universal hold open arm package provides brackets and arms to install closer in top jamb, standard or parallel applications

Screw packs 64-2407 & 63-2391

125-PH9

UO/RUO PACKAGES

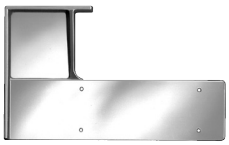
- Universal arm package provides brackets and arms to install closer in standard top jamb or parallel applications

Screw packs 64-2407 & 63-2391

125-P9

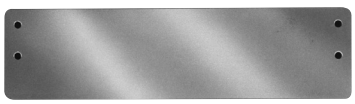
1431-W Corner Bracket

- Fastens securely to both the head and jamb
- Malleable iron, painted to match closer finish
- Non-handed
- Requires 1-1/4" (32mm) minimum wide stop
- Order as 1431-W x finish



1431-J Cover Plate

- Can be used to improve appearance when narrow door rail permits closer to be viewed through glass panel. Specify finish.



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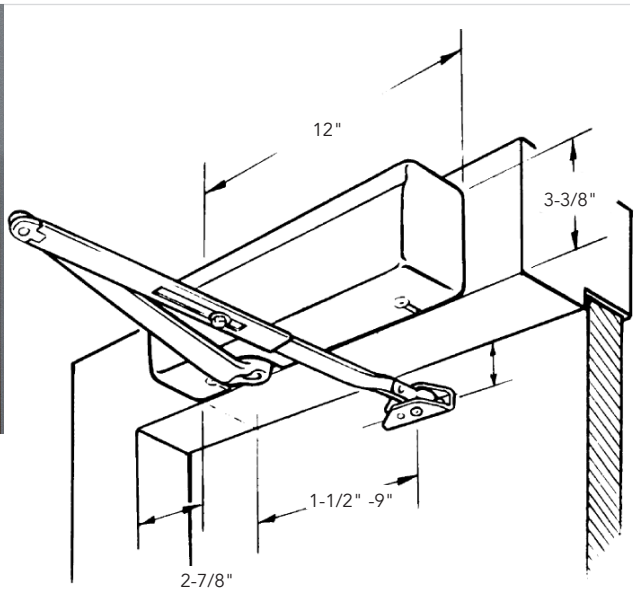
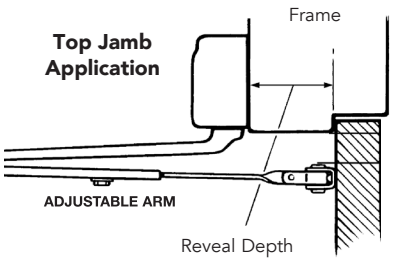
Top Jamb Applications

1431-O TOP JAMB MOUNTING POSITION

Top Jamb applications – The 1431 closer is mounted on the frame face above the door. The foot is mounted on the push side of door. This application is for use on exterior doors opening out to protect the closer from the weather.





Minimum Frame Face Required
- 1-3/4" (44mm) for both single and double rabbeted frames

Minimum Door Top Rail Required to Mount Closer Foot
- 1-7/8" (48mm) minimum
- Rail height required depends on type and make of auxiliary holder if used

Adjustable Closing Force
- Interior doors to 5'0" wide
- Exterior doors to 4'0" wide
- Shipped factory preset for 3'0" door
- Factory pre-sized upon request

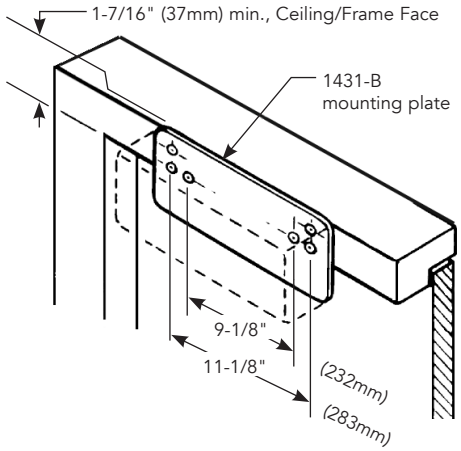
1431-O Typical Reveal Top Jamb Applications
For reveals up to 2" (51mm) maximum
- O or RO Arms - Max. Door Opening: 180°
- H Arm - Hold Open Range: 80° – 180°

1431-OZ Deep Reveal Top Jamb Applications
For reveals from 2-1/8" (54mm) to 5" (127mm)
- OZ Arm - Max. Door Opening: 140°
- HZ Arm - Hold Open Range: 80° – 140°

1431-OZA Extra Deep Reveal Top Jamb Applications
For reveals from 5-1/8" (130mm) to 8" (230mm)
- OZA Arm - Max. Door Opening: 140°
- HZA Arm - Hold Open Range: 80° – 130°

Top Jamb Application for Low Ceilings using 1431-B Mounting Plate

- Required for low ceiling condition and narrow face frames
- Available w/powder coat or plated finish to match cover
- Non-handed
- Plate mounting screws included
- Order as 1431-B x finish



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Arms for Top Jamb Applications

NARROW REVEAL ARMS

O - Standard Arm

- Forged Steel Arm 11-1/4" (286mm) long
- For reveals up to 2" (51mm)
- Non-handed
- Permits 180° door opening

For arm only, order as 25-O x finish
Includes:
63-2607 - Main arm and link assembly
63-2216 - Foot assembly
64-2407 - Screw pack

RO Regular Arm

- Cold Formed Steel Arm 11-1/4" (286mm) long
- Non-handed
- Permits 120° door opening with standard mounting
- Permits 180° door opening with alternate mounting or corner bracket

For arm only, order as 25-RO x finish
Includes:
63-3396 - Main arm and link assembly
63-2216 - Foot assembly
24-2407 - Screw pack

H - Hold Open Arm

- Forged Steel Arm 11-1/4" (286mm) long
- For reveals up to 2" (51mm)
- Adjustable friction holder
- Non-handed
- Permits 180° door opening

For arm only, order as 25-H x finish
Includes:
63-3070 - Main arm and link assembly
61-2303 - Foot assembly
64-2407 - Screw pack

DEEP REVEAL ARMS

OZ - Standard Arm for Deep Reveals

- Forged Steel Arm 11-1/4" (286mm) long
- For reveals from 2-1/8" (54mm) to 5" (127mm)
- Non-handed
- Permits 140° door opening

For arm only, order as 25-OZ x finish
Includes:
63-2607 - Main arm and link assembly
63-2217 - Foot assembly
64-2407 - Screw pack

HZ - Hold Open Arm for Deep Reveals

- Forged Steel Arm 11-1/4" (286mm) long
- For reveals from 2-1/8" (54mm) to 5" (127mm)
- Adjustable friction holder
- Non-handed
- Permits 140° door opening

For arm only, order as 25-HZ x finish
Includes:
63-2230 - Main arm and link assembly
61-2303 - Foot assembly
64-2407 - Screw pack

EXTRA DEEP REVEAL ARMS

OZA - Standard Arm for Extra Deep Reveal

- Forged Steel Arm 11-1/4" (286mm) long
- For reveals 5-1/8" (130mm) to 8" (203mm)
- Non-handed
- Permits 140° door opening

For arm only, order as 25-OZA x finish
Includes:
63-2607 - Main arm and link assembly
63-2218 - Foot assembly
64-2407 - Screw pack

HZA - Hold Open Arm for Extra Deep Reveal

- Forged Steel Arm 11-1/4" (286mm) long
- For reveals 5-1/8" (130mm) to 8" (203mm)
- Adjustable friction holder
- Non-handed
- Permits 140° door opening

For arm only, order as 25-HZA x finish
Includes:
63-2231 - Main arm and link assembly
61-2303 - Foot assembly
64-2407 - Screw pack

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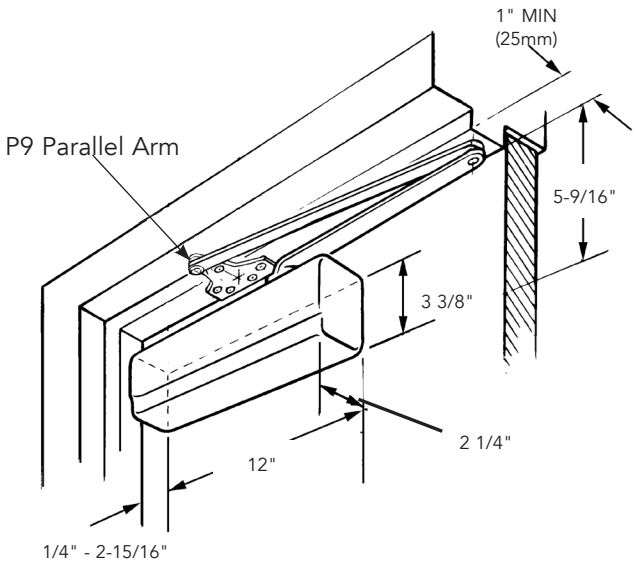
Parallel Arm Applications

1431-P9 REGULAR PARALLEL ARM APPLICATION

Parallel Arm Applications – The 1431 closer is mounted on the push side of the door with the arm under the frame parallel to the face of the door. This application is well suited for narrow face frames and deep reveal applications. The closer arm does not project into the room, and the doo can be swung open much farther than in Top Jamb Application.



HEAVY DUTY PARALLEL ARMS

For use in high traffic and abusive environments
- Friction and positive hold open arms available
- Use friction hold open arms for doors subject to moderate hold open use
- Use positive stop hold open arms for doors subject to frequent hold open use
- Dead stop and compression stop arms available

Non hold-open arms
- Two mounting positions for 120° and 180° maximum door openings

Stop arms
- 6 mounting positions allow stop from 85° – 110°

Positive stop hold open arms
- 6 mountings provide hold open positioning from 85° – 110°

Friction hold open arm
- Two mountings provide adjustable hold open positions from 75° – 180°

REGULAR DUTY PARALLEL ARMS

Available Arms for institutional installations:
- Regular Duty Parallel Arms
- Offset Bracket Arms for use with Auxiliary Holders & Stops
- Parallel flush frame arms
- Flush frame arms for use with Auxiliary Holders & Stops
- Flush frame, friction hold open arms
- Friction hold open arms
- Use friction hold open arms for doors subject to moderate hold open use

Standard Mounting Position
- 120° Maximum door opening
- Holding range of friction hold open arms: 75° – 110°

Alternate Mounting Position
- Maximum door opening: 180°
- Holding range of friction hold open arms: 85° – 170°

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Heavy Duty Parallel Arms

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P10 - Heavy Duty Parallel Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Easily installed
- Permits 120° opening at standard mounting
- Permits 180° opening at alternate mounting

For arm only, order as 25-P10 x finish

Includes:
63-0641 - Main arm
63-3727 - Arm and bracket assembly
64-2407 & 63-2392 - Screw packs

PS - Heavy Duty Parallel Arm with Positive Stop

- Forged Steel Arm 11-1/4" (286mm) long
- Handed arm is field-reversible
- Provides built in stop from 85° – 110°
- Permits 110° opening maximum
- Easily installed
- Permits 85° – 110° door opening

For arm only, order as 25-PS x finish

Includes:
63-0641 - Main arm
63-3837 - Arm and bracket assembly
64-2407 & 63-2392, 63-2396 - Screw packs

CPS - Heavy Duty Parallel Arm with Compression Stop

- Forged Steel Arm 11-1/4" (286mm) long
- Provides built in compression stop from 85° – 105°
- Permits 105° opening maximum
- Easily installed
- Handed arm is field-reversible
- Dead stop within 3°

For arm only, order as 25-CPS x finish

Includes:
63-0641 - Main arm
63-3830 - Arm and bracket assembly
63-0516 - Bumper holder
63-3493 - Bumper
64-2407 & 63-2398 - Screw packs

PH10 - Heavy Duty Friction Hold Open Parallel Arm

- Equipped with adjustable friction holder
- Adjustable hold open from 75° – 180°
- Forged steel arm 11-1/4" (286mm) long
- Handed same as door
- Use friction hold open arms for doors subject to moderate hold open use

For arm only, order as 25-PH10 x finish

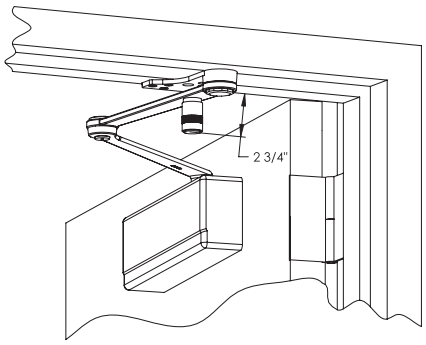
Includes:
63-0641 - Main arm
63-3839 - Left hand arm and bracket assembly
63-3840 - Right hand arm and bracket assembly
64-2407 & 63-2392 - Screw packs

PSH - Heavy Duty Parallel Hold Open Arm with positive Stop

- Provides holder and stop features
- Handed arm is field-reversible
- Easily installed/adjusted
- Permits 85° – 110° door opening

For arm only, order as 25-PSH x finish

Includes:
63-0641 - Main arm
63-3833 - Arm and bracket assembly
64-2407 & 63-2392, 63-2396 - Screw packs



The PSH and CPSH arms project 2 3/4" below the head stop

CPSH - Heavy Duty Hold Open Parallel Arm with Compression Stop

- Forged Steel Arm 11-1/4" (286mm) long
- Handed arm is field-reversible
- Provides built in compression stop and holder mechanism from 85° – 105°
- Easily installed/adjusted
- Permits 105° opening maximum
- Dead stop within 3°

For arm only, order as 25-CPSH x finish

Includes:
63-0641 - Main arm
63-3836 - Arm and bracket assembly
63-0516 - Bumper holder
63-3493 - Bumper
64-2407 & 63-3487 - Screw packs

Positive Stop Hold Open Arms (PSH & CPSH ARMS)

- Use on doors subject to repetitive hold open use
- 6 hold open angle installation
- Hold open function may be disengaged
- Hold open tension is easily adjustable

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Regular Duty Parallel Arms

HOLD OPEN ARMS

PH4 - Flush frame, Friction Hold Open Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Holds open from 75° – 180°
- Easily adjusted by wrench
- Non-handed
- Use on frames where stop or soffit is too narrow to mount the standard hold open foot bracket

For arm only, order as 25-PH4 x finish

Includes:
63-3070 - Main arm and link assembly
61-2303 - Foot assembly
64-0050 - Foot bracket
64-2407 & 63-2391 - Screw packs

PH9 - Friction Hold Open Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Holds open from 75° – 180°
- Easily adjusted bywrench
- Non-handed

For arm only, order as 25-PH9 x finish

Includes:
63-3070 - Main arm and link assembly
61-2303 - Foot assembly
64-0039 - Foot bracket (125 PH9)
64-2407 & 63-2391 - Screw packs

OFFSET BRACKET ARMS

P3 - 1" Offset Bracket for use with Auxiliary Holder/Stop

- Forged Steel Arm 11-1/4" (286mm) long
- For use with auxiliary surface overhead stops and holders
- Foot bracket is offset 1" more than P-9, allowing door closer to be lowered on door face
- Non-handed

For arm only, order as 25-P3 x finish

Includes:
63-2607 - Main arm and link assembly
63-2270 - Foot assembly
64-2407 & 63-2391 - Screw packs

P3A - 1-3/4" Offset Bracket for use with Auxiliary Holder/Stop

- Forged Steel Arm 11-1/4" (286mm) long
- For use with auxiliary surface overhead stops and holders and door coordinators
- Foot bracket lowers door closer an additional 3/4" below P3 bracket
- Non-handed

For arm only, order as 25-P3A x finish

Includes:
63-2607 - Main arm and link assembly
63-2274 - Foot assembly
64-2407 & 63-2391- Screw packs

P4 - Parallel Flush Frame Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Foot bracket is attached to frame or transom face
- For use where stop or soffit is too narrow for the standard P9
- Permits 120° opening with standard mounting
- Permits 180° opening with alternate mounting
- Non-handed

For arm only, order as 25-P4 x finish

Includes:
63-2607 - Main arm and link assembly
63-2295 - Foot assembly
64-2407 & 63-2391 - Screw pack

P4A - Flush Frame Arm for use with Auxiliary Holder/Stop

- Forged Steel Arm 11-1/4" (286mm) long
- For use with auxiliary surface overhead stops and holders
- Foot bracket is attached to frame or transom face
- Foot bracket lowers door closer an additional 3/4" below P4 bracket
- Non-handed

For arm only, order as 25-P4A x finish

Includes:
63-2607 - Main arm and link assembly
63-2272 - Foot assembly
64-2407 & 63-2391 - Screw packs

RP9 REGULAR ARM

- Cold Formed Steel Arm 11-1/4" (286mm) long
- Arm is not handed
- Permits 120° opening with standard mounting
- Permits 180° opening with alternate mounting

For arm only, order

Includes:
63-3396 - Main arm and link assembly
63-2271 - Foot assembly
64-2407 & 63-2391 Screw Packs

P9 - Standard Parallel Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed

For arm only, order as 25-P9 x finish

Includes:
63-2607 - Main arm and link assembly
63-3405 - Foot assembly
64-2407 & 63-2391 - Screw packs

UO/RUO PACKAGES

125-P9

- Universal arm package provides arms and brackets to install closer in standard top jamb or parallel application

Screw packs 64-2407 & 63-2391

UH PACKAGE

125-PH9

- Universal hold open arm package provides brackets and arms to install closer in top jamb, standard or parallel applications

Screw packs 64-2407 & 63-2391

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Accessories for Parallel Applications

HEAVY DUTY PARALLEL ACCESSORIES

581-2 Blade Stop Spacer Kit

- For frames with 1/2" blade stops
- For use with P10, PH10, PS, PSH, CPS and CPSH arms
- 125-V bracket included
- Packed with 1-1/4" long screws
- Use P/N 64-0157 to order blade stop only

125-V/125-VF Brackets

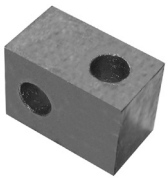
- For use with all heavy duty parallel arms
- Use 125-V for narrow stop and frame conditions
- Use 125-VF for flush door and frame conditions

125-V

125-VF

Spacer 63-0191

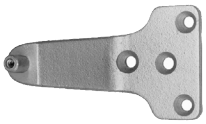
- 1/2" x 5/8"
- Included standard with PS, PSH, PH10, P-10 CPS and CPSH arm for use with rabbited frames



REGULAR DUTY PARALLEL ACCESSORIES

125-P3 Arm Conversion Unit

- Converts O or P9 arm to P3 Parallel Arm



125-P3A Arm Conversion Unit

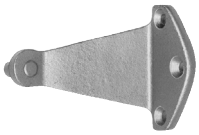
- Converts O or P9 Arm to P3A Parallel Arm

125-PH9 Parallel Arm Foot

- Converts standard hold open (H) arm to PH9 Parallel Hold Open Arm

125-P4 Conversion Unit

- Converts O or P9 Arm to P4 Arm



125-P4A Arm Conversion Unit

- Converts O or P9 arm to P4A Arm

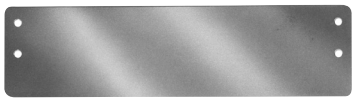
581-1 Blade Stop Spacer Kit

- For frames with 1/2" blade stops
- For use with P9, PH9 and PF9 arms only
- Packed with 1-1/4" long screws

MISCELLANEOUS ACCESSORIES

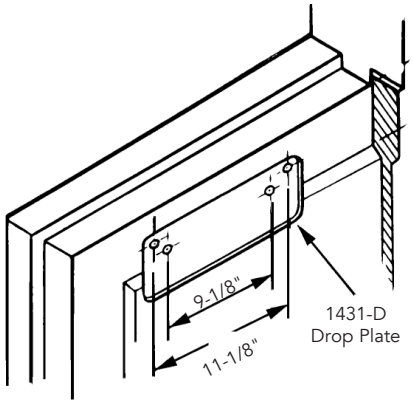
1431 J Cover Plate

- Can be used to improve appearance when narrow door rail permits closer to be viewed through glass panel



1431 Drop Plate

- Required for parallel arm applications with top rails less then 5-3/4"
- Requires 3" (76mm) minimum top rail
- Available with powder coat or plated finish to match closer
- Non-handed – Plate mounting screws included
- Order as 1431-D x finish



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Track Type Applications

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Pull Side Mounting (Hinge Side)

Push Side Mounting (Stop Side)

OD Double Egress Arm

1431 Track Type Closer – Offers the most decorative door closer providing a clean unobstructed appearance without the cost of concealed closers and tracks. With versatile mounting options on either side of the door, the 1431 track type closers are a favorite of interior designers.

OT Track Arm
- Track mounts on frame face "OT"
- Minimum top rail required – 2-3/8"
- Mounting plates cannot be used for this application

Maximum Door Opening
- 160° with standard track
- 120° with optional bumper track
- 180° with ideal conditions for standard track

Hold Open Range
- 85° – 120°

POT Track Arm
- Track mounts on frame stop "POT"
- Minimum top rail required without drop plate: 4-3/4" (121mm)
- With 1431D Drop Plate 3" (76mm)

Maximum Door Opening
- 100° with standard track
- 95° with optional bumper track

Hold Open Range
- 85° – 95°

Minimum Stop Required
- 1-9/16" (40mm) wide

Arm & Track	Description/Options
1431—OT	Pull
1431—OTB	Pull with Bumper
1431—HT	Pull with Holder
1431—HTB	Pull with Holder and Bumper
1431—OD	Pull Double egress (Handed) (Non-standard frame required)
1431—ODB	Pull Double egress with Bumper (Handed) (Non-standard frame required)
1431—HD	Pull Double egress with Holder (Handed) (Non-standard frame required)
1431—HDB	Pull Double egress with Holder and Bumper (Handed) (Non-standard frame required)
1431—POT	Push
1431—POTB	Push with Bumper
1431—PHT	Push with Holder
1431—PHTB	Push with Holder and Bumper

Note: Two mounting applications are available

- Forged steel arm
- Handed
- Special frame profile required
- Available with Holder Option (HD) and Bumper Option (B)
- 160° maximum door opening
- 120° opening with bumper option
- Range of hold open 85° – 120°
- Used with reveals 3" – 4" (76mm-102mm)

Order as 25-OD x finish for track and arm assembly

Includes:
63-2447 - Track assembly
63-3656 - Left hand arm
63-3657 - Right hand arm

Track
- Extruded aluminum track
- End caps finished to match track

Arm
- Forged steel
- Bearing roller

Bumper (Optional)
- Mounts in track to assist backcheck
- Not designed to be used as a stop
- Auxiliary stop is required
- Available for both regular or hold open tracks

Holder (Optional)
- Mounts within the track (adjustable)

Finishes
- EAB, EB, ED, EN, EP powder coat on all exposed surfaces

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Suggested Architect's Specifications, ADA Compliance and General Information

GENERAL INFORMATION

Special Conditions
The SARGENT Website (www.sargentlock.com) contains templates for all standard applications of SARGENT Door Closers with SARGENT overhead door holders. To insure a satisfactory installation for other holders, it is recommended that complete details be submitted as follows:

- Type, size and make of holder
- Holding position (maximum door opening)
- Submit holder template being used
- Closer application being used
- Size and type of hinge

In the case of an unusual door, frame and/or hinge conditions where regular products do not meet requirements, submit drawings and complete details specifying the degree of door openings required, the type and size of hinge and the max. door opening angle.

Through-bolting and Mortise Nuts

- When through-bolting is ordered, factory will furnish mortise nuts for use with the machine screws furnished with the closer
- Nuts are sized to accommodate 1-3/4" (44mm) standard or 1-3/8" (35mm) thick doors when specified on order
- For 2-1/4" (57mm) thick doors, longer through-bolts will be furnished with mortise nuts
- Through-bolting for 2-1/4" (57mm) thick hollow metal doors require bridge type reinforcement to prevent collapse of top rail when through-bolts are tightened

ARCHITECTURAL SPECIFICATIONS

1. All closers for both interior and exterior doors shall be the product of one manufacturer and be matched in style.
2. Surface closers shall be adjustable to provide sizes 1 through 6 and comply with ADA.
3. Full rack and pinion construction.
4. Closing speed, latching speed and backcheck shall be controlled by key operated valves.
5. Delayed action feature shall be available and controlled by a separate valve. Delayed action shall be available in addition to, not in lieu of, backcheck.
6. The one piece closer body shall be manufactured of high-performance cast aluminum silicon alloy.
7. An increase of 15% in closing power shall be provided by means of adjustment of the arm leverage at the foot connection. (Standard Arm)
8. All arms shall be finely finished with heavy duty forged steel main arm.
9. Two mounting positions of the closer shall meet all requirements. Standard mountings shall provide 120° door opening and alternate mounting 180° door opening.
10. All closers shall be suitable for standard, corner bracket, top jamb, parallel arm and track type applications when provided with proper brackets and arms.
11. Closer covers shall be of high impact plastic material of flame retardant grade, secured by machine screws.
12. Projection of closer body from door shall not exceed 2-1/4" (57mm) with standard cover.
13. Closers shall be non-handed to meet a variety of door conditions and design requirements.
14. The spindle shaft shall be sealed hydraulically with an "O" ring.
15. Specify desired options such as: Metal Cover, Security Package, (TB) Through-bolting, (DA) Delayed Action and Architectural Plated Finishes.
16. Closers should have two pressure relief valves (opening and closing cycles).
17. All closers to have a 30-year limited warranty.
18. Closers should comply with UL10C Positive Pressure Fire Test.

1431 DESIGNED TO AID THE PHYSICALLY CHALLENGED

The 1431 door closer is designed to meet the opening force requirements established by the American with Disabilities Act (ADA) limiting the opening force to 5 pounds for interior doors and 8 pounds for exterior doors. The closer should be installed using the alternate mounting given on the templates when used on interior doors.

CAUTION: Door Closers for Low Opening Force Applications:
Door closers installed in openings required to meet the requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door based on opening or site conditions.

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Door Closer and Overhead Stop/Holder Compatibility Chart

INTRODUCTION TO SARGENT OVERHEAD HOLDERS AND STOPS

SARGENT overhead holders/stops are designed to protect the door and hardware from the abuse commonly found in commercial and institutional applications. With **four different series** that include **surface** or **concealed**, **standard** or **heavy duty**, SARGENT has a holder/stop for your application.
Overhead holders/stops are the most practical method of stopping a door as well as eliminating unsightly wall stops and dangerous floor stops.

Using an overhead holder/stop distributes abusive forces rather than concentrating them toward the hinge. Some door closers are available with incorporated holders/stops. These work well in most cases, but when subjected to continuous abuse can lead to frame and hinge failure. SARGENT overhead holders/stops are designed and manufactured for years of service and come with a 5 year warranty.

FREQUENTLY USED OVERHEAD STOPS USED WITH THE 1431 SERIES

- **Standard Door Closer Applications (PULL SIDE MOUNT) Not Shown**
  590 Series with 1431 Series "O" Arm
  690 Series with 1431 Series with "O" Arm
  1530 Series with 1431 Series with "O" Arm
  1540 Series with 1431 Series with "O" Arm

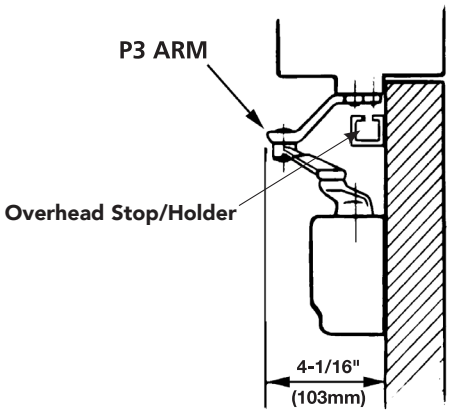
- **Parallel Arm Door Closer Applications (PUSH SIDE MOUNT)**
  590 Series with 1431 Series "P3" Arm
  690 Series with 1431 Series with "P9" Arm
  690 Series with 1431 Series with "P10" Arm
  1530 Series with 1431 Series with "P9" Arm
  1530 Series with 1431 Series with "P10" Arm
  1540 Series with 1431 Series with "P3" Arm

- **Parallel Arm Door Closer Applications Used with a Flush Frame**
  590 Series with 1431 Series "P4" Arm
  690 Series with 1431 Series with "P4" Arm
  1530 Series with 1431 Series with "P4" Arm
  1540 Series with 1431 Series with "P4" Arm

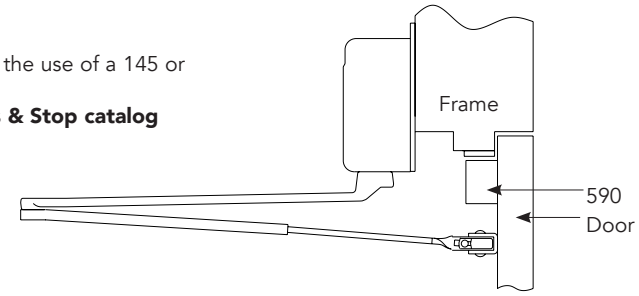
- **Top Jamb Applications**
  590, 690, 1530, 1540 Series with 1431 Series with "O" OZ or OZA Arm

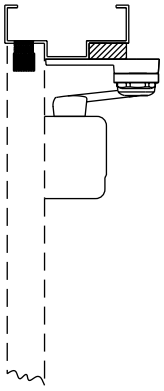
Note: This chart is only a quick reference. Some applications may require the use of a 145 or 195 angle bracket
For applications not shown, refer to the SARGENT Overhead Holders & Stop catalog

1431-P3 shown w/1548S



1431 0Z shown w/597S





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How to Order

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Packing
All closer assemblies are packaged 4 per carton. On request, door closers will be packed 2 per carton.

CPC-DA	1431	P4H	26	LH
Options	**Series**	**Closer Arm**	**Finish**	**Hand**
31- 36- 74- CPC DA- MC- TB-	1431	Standard Page 6 Top Jamb Page 8 Parallel Pages 10 & 11 Track Type Page 13	EB ED EN EP EAB 03* 04* 09* 10* 10B* 10BE 10BL* 14* 15* 20D* 26* 26D* BSP WSP	LH RH

* These finishes are automatically provided with a metal cover

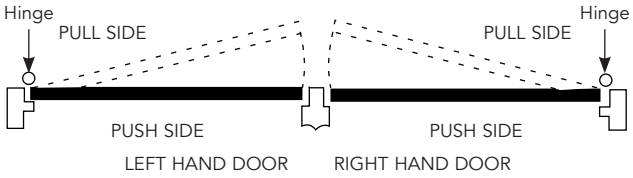
Note:
- Before installing a door closer, verify the accessibility, fire, and life-safety requirements that are in effect. This includes the mounting height and projection into the clear opening. Check the adopted state and local building codes and consult the Authority Having Jurisdiction (AHJ).
- To maintain the warranty and ensure proper operation of the product, follow the installation instructions & templates and install on the inside of the building.
- Consult NFPA 80 for the hinge requirements on a fire door.
- Failure to use fasteners supplied with closer may void factory warranty.
- Optional fasteners are available for a variety of applications. Consult the door and frame manufacturer to ensure the proper fasteners are used to maintain certifications.
- Sizing charts are based on 1-3/4" x 7' standard weight doors swinging to 110°. Other application conditions (e.g. larger door heights or weight) may require larger size closer. Adjusting the spring power to meet the low opening force requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, may not provide adequate closing power to dependably close and latch the door in some conditions (i.e. air movement from wind gusts or building stack pressure).

Series	Number per Carton	Approx. wt per Carton
1431	4-Standard (2 upon request)	19 lbs. per 4

Options Available

Specify	Detailed Description
31-	For doors 1-7/8" – 2-1/4" thick, specify door thickness, doors over 2-1/4" thick contact factory
36-	Security Torx Screws supplied for all exposed fasteners
74-	Lead lined cover
CPC-	Clear Powder Coat (available on 26 & 26D)
DA-	Delayed Action
MC-	Handed Metal Cover
TB-	Through Bolt (1-3/4" Std) For others, specify 31-TB- & door thickness

Note:
- The MC- option is used when a metal cover is desired on a powder coated finish
- When MC- is added to a plated finish, the MC- option indicates that only the cover is to be plated, the arms will be powder coated to match
- Do not specify the MC option if both the cover and arms are to be plated



How To Order

Accessories	Example	
Arm only	Specify 25-, arm required and finish	
Body only	Specify CB-1431 (Option DA- available)	CB-1431
Arm conversion Units	Specify unit and finish	125-P9 EB
Cover Only (Standard)	1431-C x finish	1431-C x EN
Cover Only (Metal)	1431-CMC x finish and hand & arm type	1431-CMC x 26D x LH X P-10
Accessories	Specify accessory and finish See applicable catalog section	1431-D EB

When complete closer assembly is ordered with an accessory, order accessory as a separate item

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Finishes

Finishes	ANSI/BHMA	Description
EB	695	Bronze powder coated to match finish 10B
EN	689	Aluminum powder coated
ED	693	Black powder coated to match finish 20D
EAB	696	Brass powder coated
EP	691	Bronze powder coated to match finish 10
03	605	Bright brass, clear coated
04	606	Satin brass, clear coated
09	611	Bright bronze, clear coated
10	612	Satin bronze, clear coated
10B	613	Dark oxidized satin bronze, oil rubbed
10BE	613E	Dark oxidized satin bronze - equivalent
10BL	614	Oxidized satin, bronze, clear coated
14	618	Bright nickel plated, clear coated
15	619	Satin nickel, clear coated
20D	624	Statuary dark bronze, clear coated
26	625	Bright chromium plated
26D	626	Satin chromium plated
BSP	—	Black Suede Powder Coat
WSP	—	White Suede Powder Coat

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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SARGENT®

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PRODUCT CATALOG

2300, 2409 Series Fire Guard®

Experience a safer
and more open world

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2300 Mounting Details . . . 5
2300 Hold Open Arms Assemblies and Components . . . 6
2409 Single-Point Hold Open Applications and Mounting Details . . . 7
2409 Track Assemblies, Arms and Components . . . 8
Electrical Accessories . . . 9
Suggested Architectural Specifications . . . 10

HOW TO ORDER

Specify	Note	Example
Quantity	Number Ordered	1 Qty.
Series/Function	See Applications	1 Qty. 2390, size 3
Voltage	120V or 24V	1 Qty. 2390, size 3, 24
Hand	Required	1 Qty. 2390, size 3, 24 RH
Finish	See Finishes	1 Qty. 2390, size 3, 24 RH EN
Additional Information	Item/Heading Number, Door Number	1 Qty. 2390, size 3, 24 RH EN x Door 205

Note: The 2300 Series is a replacement for the 2900 Series. See Comparison Chart below.

Description	Obsolete	New Series	Spring Size	Reveal
Pull Side	2960	2310	3	
			4	
			5	
Pull Side, Double Egress	2970	2330	3	
			4	
			5	
Pull Side, Free Swing	2980	2360	3	
			4	
			5	
Push Side	2990	2370	3	2-3/4"- 4" reveal; 180° swing 4" - 7" reveal; 165° swing
			4	
			5	
		2390	3	4" - 7"; 180° swing
			4	
			5	

APPLICATION DESCRIPTION

Multi-Point Hold Open
2310 - Pull side, handed
2330 - Pull side, Double Egress, handed
2360 - Pull side, Free Swing, handed
2370 - Push side, 2-3/4"-4" (180° swing); 4"-7" (165° swing)
2390 - Push side, 4"-7" (180° swing)

Single-Point Hold Open
2469 – Pull side, non-handed
2479 – Pull side Double Egress, handed
2499 – Push side, non-handed

FINISHES

US Finish	Descriptions	ANSI/BHMA
EB	Sprayed bronze enamel to match 10B	690
ED	Sprayed black enamel to match 20D	693
EN	Sprayed aluminum enamel	689
EP	Sprayed bronze enamel to match 10	691
EAB	Sprayed brass enamel	696
BSP	Black Suede Powder Coat	—
WSP	White Suede Powder Coat	—

On The Cover
2469 Pull Side

⚠ WARNING
This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

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Features

The SARGENT FIRE GUARD® (2300, 2409) Series of Electromechanical Closer-Holder Release Devices are designed to hold open fire and smoke rated doors until power is interrupted by a fire alarm condition or remote release switch. Designed for durability, ease of installation and aesthetics, each series provides the means to achieve fire and building code compliance without interfering with normal building operation.

Each series includes an ANSI/BHMA A156.4 Grade 1 hydraulic door closer, for proper operation during the opening and closing cycles. They are also applicable for use on non-rated doors such as offices and conference rooms where the convenience of an electrically controlled release device is desirable.

2300, 2409 COMMON FEATURES

- UL10C positive pressure up to 3 hours
- UL-cUL listed
- Available in 7 finishes
- **Holder**
  - Fail safe operation
  - Push or pull or double egress installations
  - Will accommodate concealed or surface wiring standard
  - 2 year limited warranty on electromechanical components
- **Closer**
  - ANSI/BHMA A156.4 Grade 1 Closer
  - Rack and pinion operation
  - Adjustable spring power
  - Adjustable closing and latching speeds
  - Adjustable backcheck (auxiliary door stop recommended)

ADDITIONAL FIRE OPENING RELEASE DEVICES

In addition to the 2300 and 2409 Fire Guard Series, SARGENT offers other alternatives for door holding/releasing devices that may be more appropriate to your application. All are UL Listed for fire door assemblies and readily interconnect with building fire protection systems.

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

ELECTROMAGNETIC DOOR HOLDERS

Electromagnetic Door Holders are Fail Safe devices designed to hold open self closing smoke and fire doors until released by a fire protection or other control system. Door holders are available in surface and flush mount designs and are well suited for applications where there is insufficient space for Fire Guards. See Holder and Stops Catalog for complete information.

1561 Flush Mount

1560 Surface Mount

OVERHEAD STOPS

A complete line of Overhead Stops is available to complement the Fire Guard and Electromagnetic Door Holders. They limit door opening and prevent damage to the closer-holder, trim or surrounding walls. Full information may be found in the Holder and Stops catalog.

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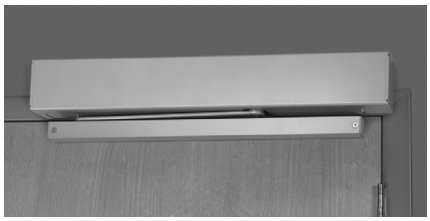
2300 Series Multi-Point Hold Open Applications

FEATURES OF 2300 SERIES

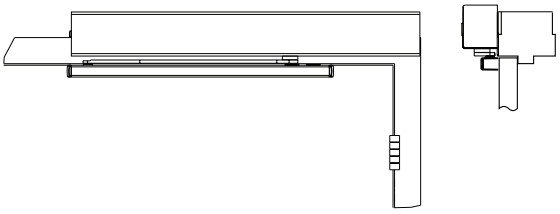
- Multi position hydraulic hold open
- Hold open positions from 10° to 170° (trim permitting)
- Reveals up to 7" (178mm) push side
- Free swing application available (pull side)
- Holder Operation
  - Selective Hold Open allows door to hold open at any degree of opening beyond a pre-set hold open point, up to 175°
  - Steel mounting plate accommodates surface or concealed wiring
- Handed
- Operating voltages: 24VDC, 120VAC
- Auxiliary stop required
- Projection 2-11/16" (68mm) from frame face
- Metal cover secured by machine screws
- Maintained on/off switch
- Maximum door opening 180°

Arms
- Regular type for push side
- Track type for pull side and free swing
- Double Egress, Track type for pull side

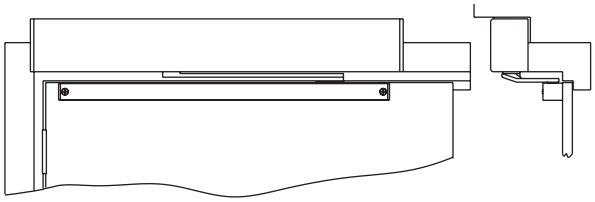
2310 PULL SIDE



- Closer/Holder is mounted to face of frame
- Track is mounted on surface of door, hinge side
- Use on corridor, stairwell doors and labeled doors which require over 110° opening

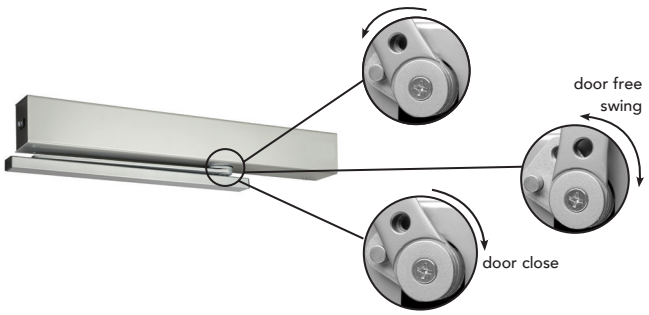


2330 PULL SIDE, DOUBLE EGRESS



- Closer/Holder is mounted to face of frame
- Track is mounted on hinge side of door
- Double egress arm for reveal of 1/8" (3mm) to 3" (76mm) maximum
- Use on corridor or stairwell doors when pull side, multi-point hold open is required

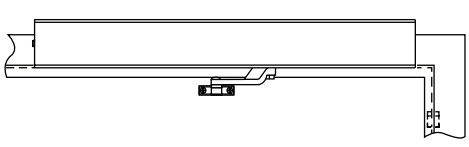
2360 PULL SIDE, FREE SWING

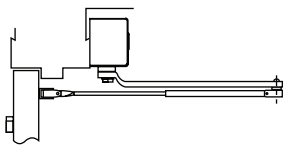


- Closer/Holder is mounted to face of frame
- Track is mounted on surface of door, hinge side
- Door acts as if no closer is installed or swings free until the alarm is activated
- Use on patient room doors in hospitals, nursing homes or anywhere a bedroom-like atmosphere is required
- Allows door to be opened, closed or partially open
- When released during an emergency, door closes from any position

2370, 2390 PUSH SIDE

- Closer/Holder is mounted to face of frame on push side
- Arm is secured to surface of door, stop side
- Use on corridor, stairwell doors and labeled doors which require over 110° opening
- Minimum 4" (102mm) ceiling clearance required





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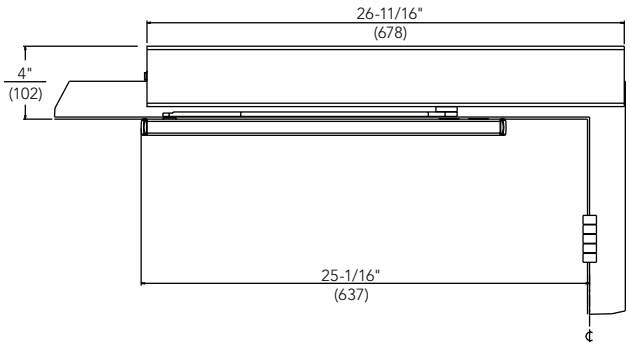
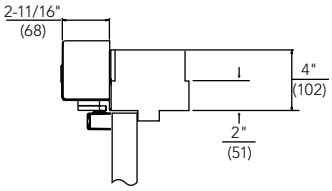
2300 Series Multi-Point Hold Open Mounting Details

2310, 2360 PULL SIDE

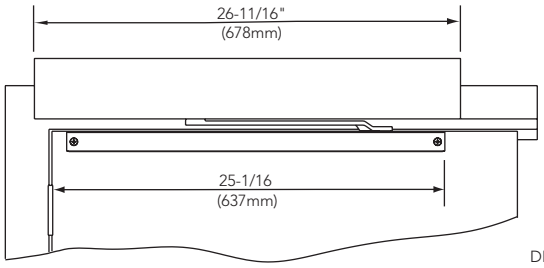


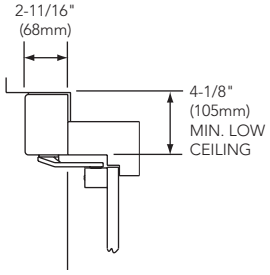


	Minimum Door Size
Single	26" (66cm)
Pair	52" (132cm)

Maximum Door Width	Series		Spring Size
	Pull Side	Pull Side, Free Swing	
40"	2310	2360	3
44"			4
48"			5

2330 PULL SIDE – DOUBLE EGRESS

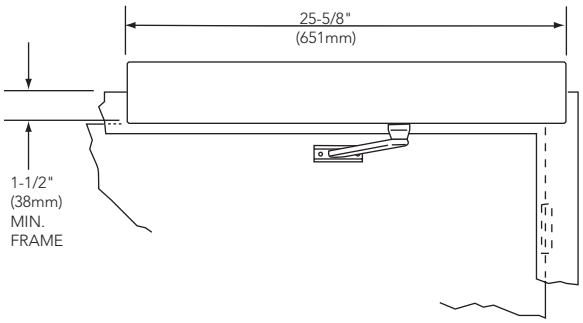


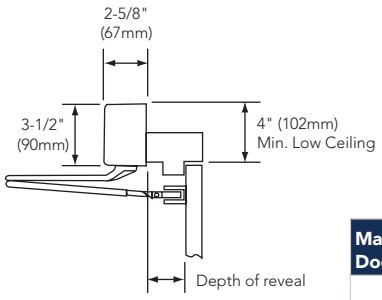


DEPTH OF REVEAL 1/8"–3" (3mm to 76mm)

Maximum Door Width	Series	Spring Size
	Pull Side, Double Egress	
40"	2330	3
44"		4
48"		5

2370, 2390 PUSH SIDE





	Minimum Door Size
Single	26" (66cm)
Pair	52" (132cm)

Maximum Door Size	Push Side	Spring Size	Reveal Range; Opening
40"	2370	3	2-3/4" - 4"; 180° 4"-7"; 165°
44"		4	
48"		5	
40"	2390	3	4" - 7"; 180°
44"		4	
48"		5	

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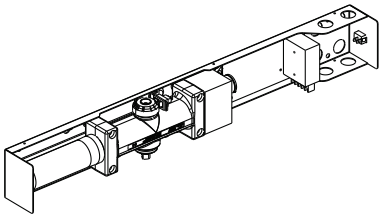
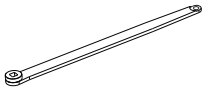
2300 Series Multi-Point Hold Open Adjustable Hold Open Arms & Components



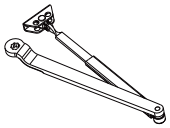
Part Number	Description
CB2303LH	Closer Body, size 3, LH
CB2303RH	Closer Body, size 3, RH
CB2304LH	Closer Body, size 4, LH
CB2304RH	Closer Body, size 4, RH
CB2305LH	Closer Body, size 5, LH
CB2305RH	Closer Body, size 5, RH

Part Number	Description
63-4421	Free Swing Arm Screw Pack
63-4424	Selective Hold Open Switch Assy
63-4425	Selective Hold Open Switch
63-4426*	Drop Angle Bracket Push
63-4427*	Drop Angle Bracket Push, 180°
63-4428*	Torx Screw Pack

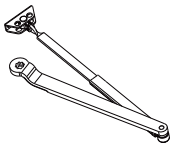
63-4414* Main Arm



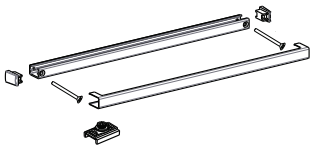
63-4418* Double Lever Arm (2370)



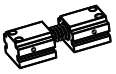
63-4419* Double Lever Arm (2390)



63-4413* Slider Track Asssembly

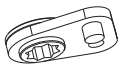


63-4420 Cushion Stop Assembly



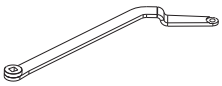
63-4422 Slide Assembly

63-4415* Free Swing Arm Assembly

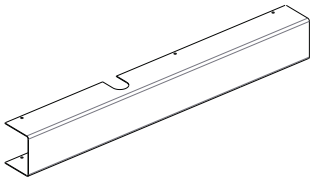


63-4416* Double Egress Arm RH

63-4417* Double Egress Arm LH



63-4423* Cover



*** Finish must be specified: EB, ED, EN, EP and EAB**

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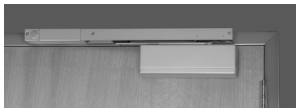
2409 Series Single Point Hold Open Applications and Mounting Details

FEATURES OF 2409 SERIES

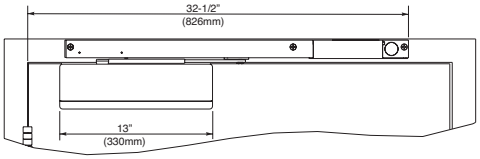
- Single point hold open
- Hold open position adjustable from 85° to 110°
- Easy adjustment
- Adjustable holding power
  - Acts like standard door closer until opened to the hold open point
  - Maintains open position until released
- Auxiliary stop required
- Operating voltages: 24VAC/24VDC, or 120VAC
- Meets requirements of ANSI/BHMA A156.15
- Long wearing adjusting rod assembly
- Cover projection only 2-3/16" (81mm)
- High impact, corrosion resistant cover secured by machine screws
- Remote release option
- Holder: Aluminum track will accommodate concealed or surface wiring
- Closer: Cover projection 2-3/16" (56mm) max.

Applications
- 351-A Mounting Plate may be used for door with narrow top rail (pull application)
- 351-D Drop Bracket may be used for door with narrow top rail (push application)
- Suitable reinforcements required for metal door and frames
- Minimum frame face required 2" (51mm)

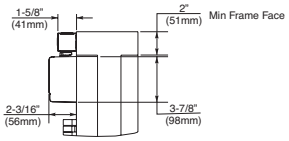
2469 PULL SIDE



- Track is mounted to face of frame
- The 351 closer is mounted to hinge side of door
- Use on corridor or stairwell doors when pull side, single-point hold open is required
- Non-handed

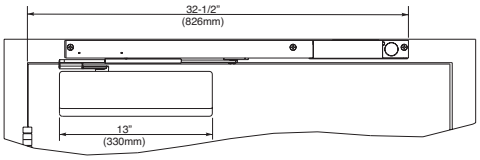


Minimum Door Size
28" (711mm)

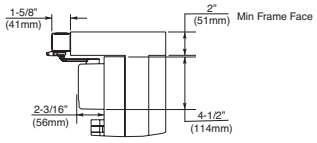


2479 PULL SIDE - DOUBLE EGRESS

- Track is mounted to face of frame
- The 351 closer is mounted to hinge side of door
- Use on double egress openings when pull side hold open is required
- Double egress arm for reveal of 1/8" (3mm) to 3" (76mm) maximum
- Handed

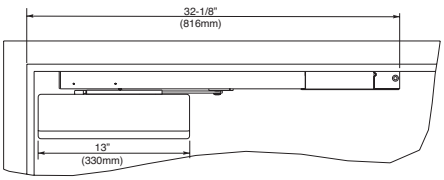


Minimum Door Size
28" (711mm)

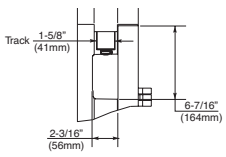


2499 PUSH SIDE

- Track is mounted to underside of the frame stop
- The 351 closer is mounted to stop side of door
- Use on corridor or stairwell doors where push side, single-point hold open is required
- Non-handed



Minimum Door Size
36" (914mm)



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2409 Series Single-Point Hold Open Assemblies, Arms & Components

ASSEMBLIES

2409 Series Stand Alone Unit

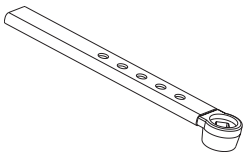
- Can be installed on a single door or a pair of doors when controlled by compatible UL Listed Fire Detection equipment or non-rated doors with remote release
- Includes electromagnetic hold open mechanism

ARMS & COMPONENTS

- Regular and double egress telescoping arms
- All applications use track principle
- Powder coated

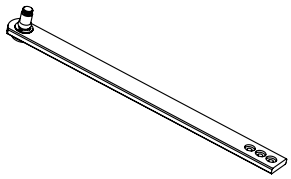
63-2874* Link Insert & Extension

- For push and pull applications



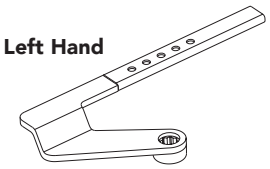
63-0840* Adjusting Rod Assembly

- For all applications



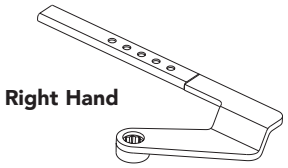
63-3057* Double Egress Arm and Extension Assembly

- For double egress doors with reveal greater than 1/8" (3mm) and less than 3" (76mm)



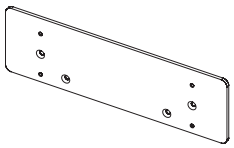
63-3056* Double Egress Arm and Extension Assembly

- For double egress doors with reveal greater than 1/8" (3mm) and less than 3" (76mm)



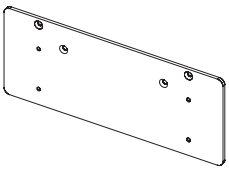
351-A* Mounting Plate

- For narrow top rail pull application



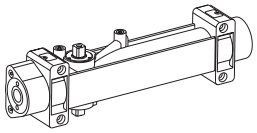
351-D* Drop Bracket

- For narrow top rail push application

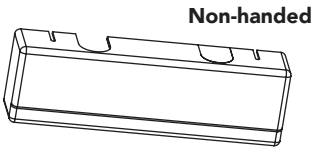


13-351 Closer Body

- Standard closer



351-C* Plastic Cover



Notes:
Screw Pack for all models, 63-3431
Specify finish when ordering arms or components.
* Finish must be specified: EB, ED, EN, EP and EAB

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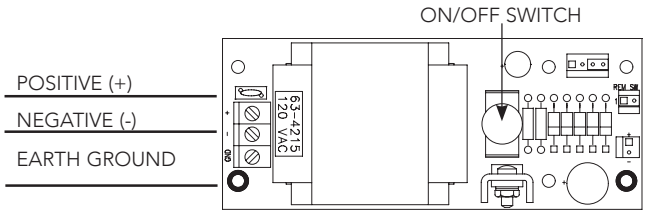
Electrical Accessories

POWER INPUT CONNECTIONS

63-2868 Remote Connector Harness (2409 Only)

- Harness for connection to circuit board of remote door release control
- **Required for remote release**



SWITCHES AND PRINTED CIRCUIT BOARDS

When remote release is required, SARGENT offers both key and push button switches to interrupt power allowing the door to close. Consult Product System Manual for other switch options.

4370 Key Switch

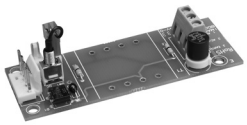
- Allows remote or local release
- Switch rating: SPDT maintained contact 4 Amp. @ 24VDC
- Size 41 mortise cylinder (1-1/8" [29mm] length of shell)
- Finish: 32D

63-0848 PC Board (2409 only)

- Replacement 120 Volts AC board assembly

63-0847 PC Board (2409 only)

- Replacement 24 Volt AC/DC board assembly



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Suggested Architectural Specifications

SARGENT® ASSA ABLOY

ARCHITECTURAL SPECIFICATIONS

Multi-Point Electromechanical Closer Holder Release Devices

A. Multi-point electromechanical closer holders shall be 2300 Series as manufactured by SARGENT Manufacturing Company.
B. Door closer holders to hold doors open under normal use conditions and to release and close door upon receiving a signal from fire alarm, remote release switch, or manually by pushing or pulling the door.
C. Door closer holders shall be UL listed (US and Canada) for use on fire doors.
D. Door closer bodies with integrated hydraulic hold open mechanism:
   1. Door closer body shall have a cast aluminum alloy shell.
   2. Door closer body shall meet the requirements of ANSI Grade 1 per ANSI/ BHMA A156.4.
   3. Door closer body shall be fully closed rack and pinion construction.
   4. Separate adjustable closing speed, latching speed, and backcheck shall be controlled by key operated valves.
   5. Cover shall be metal
   6. Door closer body shall meet the requirements of UL 10C positive pressure fire tests.
   7. Devices shall accommodate operating voltages of either 24VDC or 120VAC as an option.
   8. Selective Hold Open: Door will hold open at any degree of opening beyond a pre-set hold open point, up to 175°, with a maximum allowable door opening of 180° (except the 2330).
   9. Two-year limited warranty.
E. Door closer holders shall accommodate concealed or surface wiring standard.
F. Door closer holders shall be available in push or pull application for regular or double egress type doors.
G. Door closer holders are fail safe: solenoid will de-energize in the event of power failure.

Single-Point Closer Holder Release Devices

A. Single-point door closer holder release devices shall be 2409 Series as manufactured by SARGENT Manufacturing Company.
B. Door closer holders shall meet ANSI/BHMA A156.15 requirements.
C. Provide door closer holders to hold doors open under normal use conditions and to release and close door upon receiving a signal from fire alarm, or manually by pushing or pulling the door.
D. Door closer holders shall be UL listed (US and Canada) for use on fire doors.
E. Door closer bodies:
   1. One piece door closer body shall be die cast aluminum alloy with 14% silicon minimum content.
   2. Door closer body shall meet the requirements of ANSI Grade 1 per ANSI/BHMA A156.4.
   3. Door closer body shall be fully closed rack and pinion construction.
   4. Separate adjustable closing speed, latching speed, and backcheck shall be controlled by key operated valves with no less than one eighth inch hex.
   5. Valves shall be captivated and non-critical.
   6. Closer cover shall be constructed of high impact plastic material of flame retardant grade secured by machine screws.
   7. Door closer body shall meet the requirements of UL 10C positive pressure fire tests.
   8. Door closer body shall have a ten year limited warranty.
F. Electro-mechanical holder release track assembly:
   1. Devices shall include an integral, fully-adjustable hold-open mechanism.
   2. Track assembly will accommodate operating voltages of either 24VAC or 24VDC in the same unit or 120VAC as an option.
   3. Single-point hold open shall be adjustable from 85 to 110 degree of door opening.
   4. Track assembly shall include a terminal strip for ease of installation.
   5. Circuit board shall contain a self-resetting circuit breaker switch.
   6. Track assembly shall include an on/off switch to control hold-open.
   7 Two year limited warranty.
G. Door closer holders shall accommodate concealed or surface wiring standard.
H. Door closer holders shall have universal push or pull application.

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Notes

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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91069 09/25

SARGENT®

ASSA ABLOY

PRODUCT CATALOG

2409/2900 Series Fire Guard®

DISCONTINUED

Experience a safer
and more open world

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SARGENT
ASSA ABLOY

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2409 Track Assemblies, Arms and Components 5
2900 Multi-Point Hold Open Applications 6
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2900 Hydraulic Hold Open Assemblies, 2900 and 80- Option Adjustable
Hold Open Arms and Components 8
Electrical Accessories 9
Suggested Architectural Specifications 10

How to Order

Specify	Note	Example
Quantity	Number Ordered	**1 Qty.**
Series/Function	See Applications	1 Qty. 2991
Voltage	120V or 24V	1 Qty. 2991 **24**
Hand	Required	1 Qty. 2991 24 **RH**
Finish	See Finishes	1 Qty. 2991 24 RH **EN**
Additional Information	Item/Heading Number, Door Number	1 Qty. 2991-24 RH EN X **Door 205**

Finishes

US Finish	Descriptions	ANSI/BHMA
EB	Sprayed bronze enamel to match 10B	690
ED	Sprayed black enamel to match 20D	693
EN	Sprayed aluminum enamel	689
EP	Sprayed bronze enamel to match 10	691
EAB	Sprayed brass enamel	696
BSP	Black Suede Powder Coat	—
WSP	White Suede Powder Coat	—

APPLICATION DESCRIPTION & OPTION DESIGNATION

Applications:

Single Point Hold Open

2469 – Pull side, non-handed
2479 – Pull side Double Egress, handed
2499 – Push side, non-handed

Multi-Point Hold Open

2960 – Pull side, handed
2970 – Pull side Double Egress, handed
2980 – Pull side Swing Free, handed
2991 – Push side, O arm, handed
2992 – Push side, OZ arm, handed
2993 – Push side, OZA arm, handed
2994 – Push side, OY arm, handed
2995 – Push side, OYA arm, handed

Options

- Adjustable hold open bypass switch allows hold open from 20° through full door opening. Not available for 2980 units

No Option

- Stand Alone unit for use with fire alarm system

On The Cover

2469 Pull Side

⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

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Features

The SARGENT FIRE GUARD® (2409 & 2900) Series of Electromechanical Closer-Holder Release Devices are designed to hold open fire and smoke rated doors until power is interrupted by a fire alarm condition or remote release switch. Designed for durability, ease of installation and aesthetics, each series provides the means to achieve fire and building code compliance without interfering with normal building operation.

Each series includes an ANSI/BHMA A156.4 Grade 1 hydraulic door closer, for proper operation during the opening and closing cycles. They are also applicable for use on non-rated doors such as offices and conference rooms where the convenience of an electrically controlled release device is desirable.

2409/2900 COMMON FEATURES

- Conforms to standards UL 10C Positive Pressure Fire Tests of door assemblies
- UL Listed and cUL Listed to Canadian Safety Standards for use on fire doors
- Available in 5 finishes
- **Holder**
  - Fail safe operation
  - Push or pull or double egress installations
  - Will accommodate concealed or surface wiring standard
  - Operating voltages: 24VAC/24VDC, or 120VAC @ .09 Amp.
  - Terminal strip for ease of wiring
  - Remote release option
  - 2 year limited warranty on electromechanical components
- **Closer**
  - ANSI/ BHMA A156.4 Grade 1 Closer
  - Rack and pinion operation
  - Body is cast, one piece high strength aluminum/silicon alloy
  - Full size 1/8" (3mm) brass adjusting valves
  - Adjustable spring power
  - Adjustable closing and latching speeds
  - Adjustable backcheck (Auxiliary door stop required)
  - 10 year limited warranty on 351 closer body

ADDITIONAL FIRE OPENING RELEASE DEVICES

In addition to the 2409 and 2900 Fire Guard Series, SARGENT offers other alternatives for door holding/releasing devices that may be more appropriate to your application. All are UL Listed for fire door assemblies and readily interconnect with building fire protection systems.

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

351 EHT CLOSER-HOLDER DEVICES

Designed to hold open fire or smoke doors until released by the fire detection system, the 351 EHT provides a convenient means of meeting fire and building code requirements without interfering with normal building operation. The 351 EHT Closer-Holder combination allows the door to be normally held open, but is self-closing when power is interrupted during an emergency or by switch control. With its rugged track design, the 351 EHT is suitable for multiple manual operations. See 351 EHT Closer-Holder Release catalog for complete application information.

1560 SERIES ELECTROMAGNETIC DOOR HOLDERS

The 1560 Series of Electromagnetic Door Holders are Fail Safe devices designed to hold open self closing smoke and fire doors until released by a fire protection or other control system. Holders are available in surface and flush mount designs and are well suited for applications where there is insufficient space for Fire Guards or the 351 EHT Closer-Holder. See Holder and Stops Catalog for complete information.

1561 Flush Mount

1560 Surface Mount

OVERHEAD STOPS

A complete line of Overhead Stops is available to complement the Fire Guard, 351 EHT and 1560 Holders. They limit door opening and prevent damage to the closer-holder, trim or surrounding walls. Full information may be found in the Holder and Stops catalog.

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2409 Series Single Point Hold Open Applications and Mounting Details

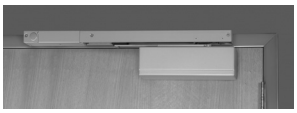
FEATURES OF 2409 SERIES

- Single point hold open
- Hold open position adjustable from 85° to 110°
- Easy adjustment
- Adjustable holding power
  - Acts like standard door closer until opened to the hold open point
  - Maintains open position until released
- Auxiliary stop required
- Long wearing adjusting rod assembly
- Cover projection only 2-3/16" (81mm)
- High impact, corrosion resistant cover secured by machine screws
- Remote release option
- Holder: Aluminum track will accommodate concealed or surface wiring
- Closer: Cover projection 2-3/16" (56mm) max.

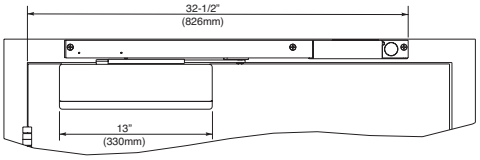
Applications

- 351-A Mounting Plate may be used for door with narrow top rail (pull application)
- 351-D Drop Bracket may be used for door with narrow top rail (push application)
- Suitable reinforcements required for metal door and frames
- Minimum frame face required 2" (51mm)

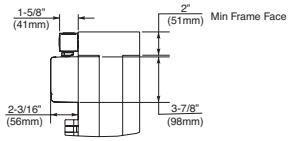
2469 PULL SIDE



- Track is mounted to face of frame
- The 351 closer is mounted to hinge side of door
- Use on corridor or stairwell doors when pull side, single-point hold open is required
- Non-handed

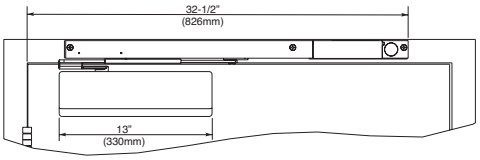


Minimum Door Size
28" (711mm)

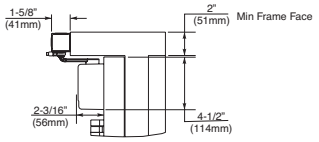


2479 PULL SIDE - DOUBLE EGRESS

- Track is mounted to face of frame
- The 351 closer is mounted to hinge side of door
- Use on double egress openings when pull side hold open is required
- Double egress arm for reveal of 1/8" (3mm) to 3" (76mm) maximum
- Handed

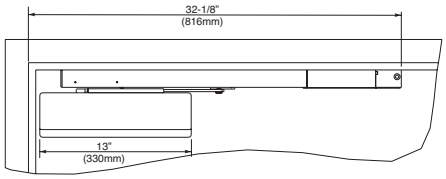


Minimum Door Size
28" (711mm)

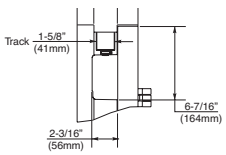


2499 PUSH SIDE

- Track is mounted to underside of the frame stop
- The 351 closer is mounted to stop side of door
- Use on corridor or stairwell doors where push side, single-point hold open is required
- Non-handed



Minimum Door Size
36" (914mm)



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2409 Series Single-Point Hold Open Assemblies, Arms & Components

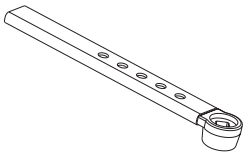
ASSEMBLIES

2409 Series Stand Alone Unit
- Can be installed on a single door or a pair of doors when controlled by compatible UL Listed Fire Detection equipment or non-rated doors with remote release
- Includes electromagnetic hold open mechanism

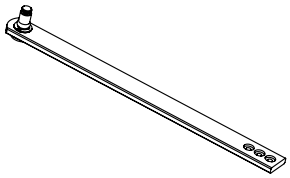
ARMS & COMPONENTS

- Regular and double egress telescoping arms
- All applications use track principle
- Powder coated

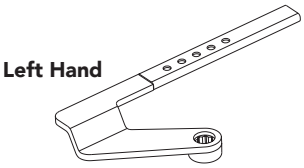
63-2874* Link Insert & Extension
- For push and pull applications



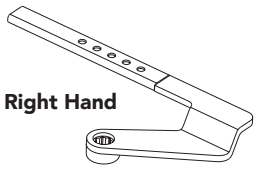
63-0840* Adjusting Rod Assembly
- For all applications



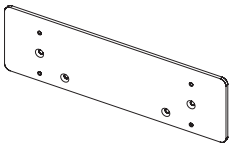
63-3057* Double Egress Arm and Extension Assembly
- For double egress doors with reveal greater than 1/8" (3mm) and less than 3" (76mm)



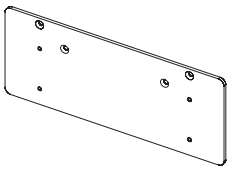
63-3056* Double Egress Arm and Extension Assembly
- For double egress doors with reveal greater than 1/8" (3mm) and less than 3" (76mm)



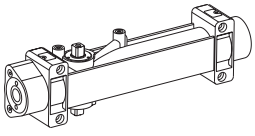
351-A* Mounting Plate
- For narrow top rail pull application



351-D* Drop Bracket
- For narrow top rail push application

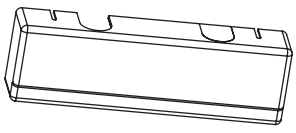


13-351 Closer Body
- Standard closer



351-C* Plastic Cover

Non-handed



Notes:

Screw Pack for all models, 63-3431
Specify finish when ordering arms or components.
* Finish must be specified: EB, ED, EN, EP and EAB

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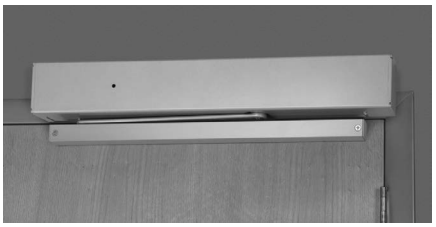
2900 Series Multi-Point Hold Open Applications

FEATURES OF 2900 SERIES

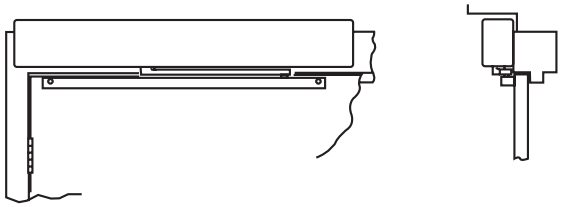
- Multi position hydraulic hold open
- Delayed, adjustable hold open 80- option
- Hold open positions from 10° to 170° (trim permitting)
- Reveals up to 8-5/8" (219mm) push side
- Swing free application available (pull side)
- Holder Operation
  - Multi-point hold open from 70° to 170°, trim permitting
  - Steel mounting plate accommodates surface or concealed wiring
- Handed
- Auxiliary stop required
- Projection 2-9/16" (65mm) from frame face
- Metal cover secured by machine screws
- Steel mounting plate
- Remote release option
- Maintained on/off switch
- Maximum door opening 180°

Arms
- Regular type for push side
- Track type for pull side and swing free
- Double Egress, Track type for Pull side

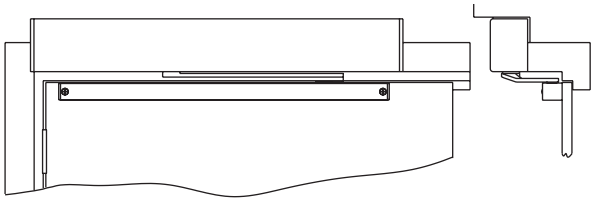
2960 PULL SIDE



- Closer/Holder is mounted to face of frame
- Track is mounted on surface of door, hinge side
- Use on corridor, stairwell doors and labeled doors which require over 110° opening

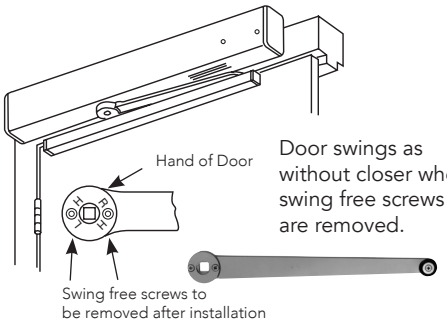


2970 PULL SIDE-DOUBLE EGRESS



- Closer/Holder is mounted to face of frame
- Track is mounted on hinge side of door
- Double egress arm for reveal of 1/8" (3mm) to 3" (76mm) maximum
- Use on corridor or stairwell doors when pull side, multi-point hold open is required

2980 PULL SIDE - SWING FREE

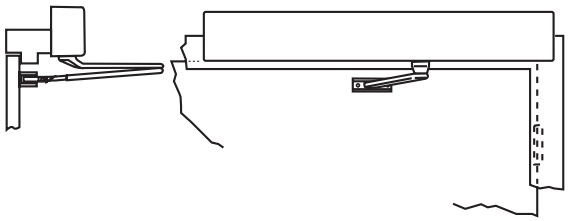


- Closer/Holder is mounted to face of frame
- Track is mounted on surface of door, hinge side
- Door acts as if no closer is installed or swings free until the alarm is activated
- Use on patient room doors in hospitals, nursing homes or anywhere a bedroom-like atmosphere is required

- Allows door to be opened, closed or partially open
- When released during an emergency, door closes from any position

2990 PUSH SIDE

- Closer/Holder is mounted to face of frame on push side
- Arm is secured to surface of door, stop side
- Use on corridor, stairwell doors and labeled doors which require over 110° opening



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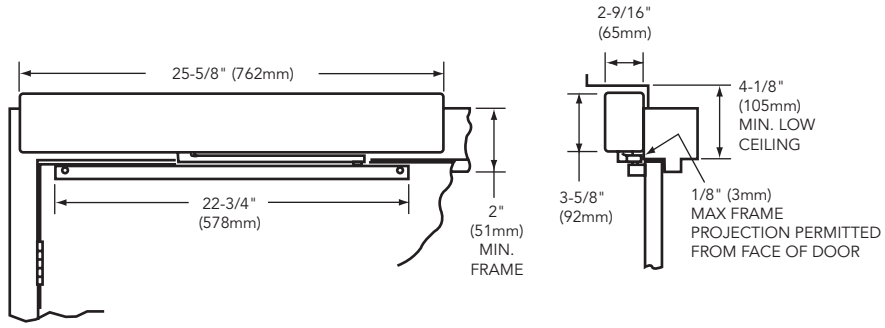
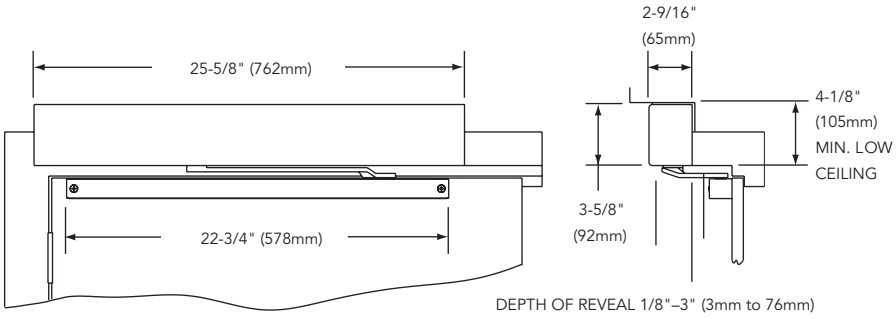
2900 Series Multi-Point Hold Open Mounting Details

2960, 2980 PULL SIDE

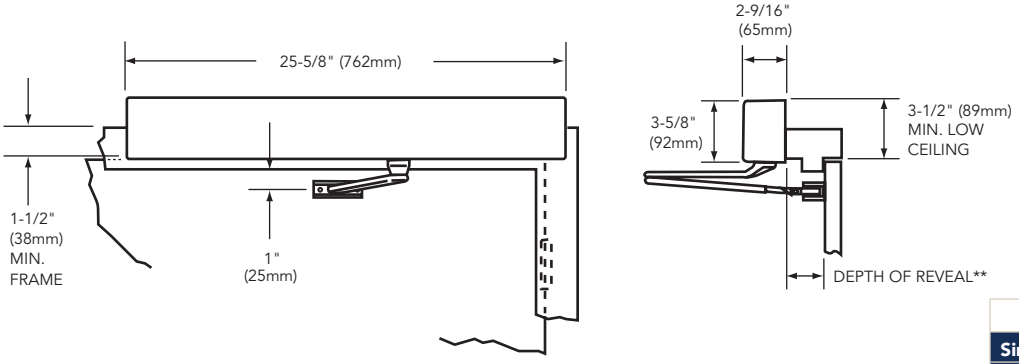


	Minimum Door Size
Single	24" (610mm)
Pair	50" (1270mm)

2970 PULL SIDE–DOUBLE EGRESS



2990 PUSH SIDE



	Minimum Door Size
Single	24" (610mm)
Pair	50" (1270mm)

Arm assembly requirements for 2990 units				
Depth of reveal**	Catalog number	Arm assembly required	Maximum	
			Door opening	Range of hold open
0 to 1-3/4" (45mm)	2991	"O" Arm	180°	10° to 170°
1-7/8" (48mm) to 4" (102mm)	2992	"OZ" Arm	180°	10° to 170°
4-1/8" (105mm) to 7" (178mm)	2993	"OZA" Arm	160°	10° to 150°
4-1/8" (105mm) to 7" (178mm)	2994	Heavy duty "OY" Arm	180°	10° to 170°
7-1/8" (203mm) to 8 5/8" (219mm)	2995	Heavy duty "OYA" Arm	180°	10° to 170°

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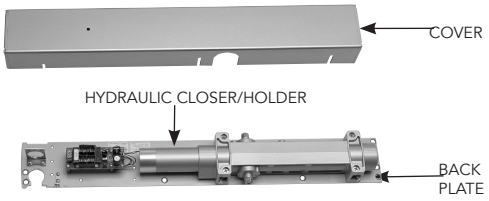
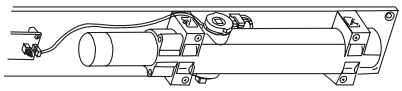
2900 Series Multi-Point Hold Open
80- Option Adjustable Hold Open Arms & Components

2900 Series Stand Alone Unit
- Includes hydraulic hold open device.
- Can be installed on a single door or a pair of doors when controlled by compatible UL listed Fire Detection equipment or 120VAC



80- Option Adjustable Hold Open By-Pass Switch
- Allows initial degree hold open position to be adjusted from 20° through full door opening
- Used on Pull side (2960 or 2970) or Push side (2990) units
- Not available with 2980 Series units



Switch is on opposite spindle from closer arm.

63-2216* O Foot Assembly
- For reveals up to 1-3/4" (44mm)

63-2217* OZ Foot Assembly
- For reveals up to 1-7/8" (102mm) to 4" (102mm)

63-2218* OZA Foot Assembly
- For reveals from 4-1/8" to 7" (105-178mm)

63-3688* Slide Arm Assembly
- 2960 Series rigid arm

63-3689* Slide Arm Assembly (Swing Free)
- Allows door to open and close with no closer spring pressure

63-3717* Cover
- Cover used with 2900 shown

63-3314* OY Arm Assembly
- Heavy duty for reveals from 4-1/8" to 7" (105 to 178mm) 180° opening

63-3315* OYA Arm Assembly
- Heavy duty for reveals from 7-1/8" to 8-5/8" (203 to 219mm) 180° opening

63-2607* Main Arm and Link Assembly
- Used with O, OZ and OZA Foot Assemblies

63-0156* Track Only
- Used with double Egress arm above 63-0682 Track Cap, 2 required

63-3653* Double Egress Arm
- Left Hand Shown
- Right Hand 63-3654 Not Shown

Notes:
Screw Pack for 2960 and 2980 models, 63-3700

Specify finish when ordering arms or components

Finishes: EB, ED, EN, FP and EAB

*** Finish must be specified: EB, ED, EN, EP and EAB**

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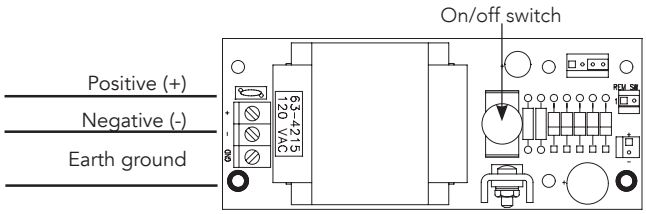
Electrical Accessories

POWER INPUT CONNECTIONS

63-2868 Remote Connector Harness

- Harness for connection to circuit board of remote door release control
- Required for remote release



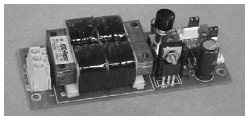
SWITCHES AND PRINTED CIRCUIT BOARDS

When remote release is required, SARGENT offers both key and push button switches to interrupt power allowing the door to close. Consult Product System Manual for other switch options.

4370 Key Switch

- Allows remote or local release
- Switch rating: SPDT maintained contact 4 Amp. @ 24VDC
- Size 41 mortise cylinder (1-1/8" [29mm] length of shell)
- Finish: 32D

63-4215 PC Board (2900 only)

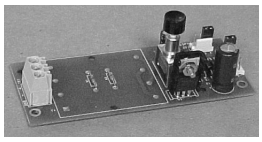


- Replacement 120 Volts AC board assembly

63-0848 PC Board (2409 only)

- Replacement 120 Volts AC board assembly

63-4216 PC Board (2900 only)

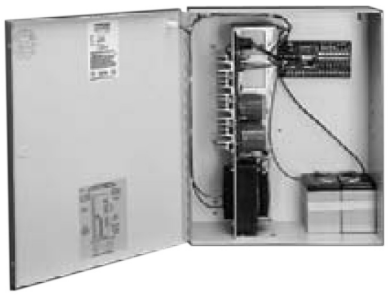


- Replacement 24 Volt AC/DC board assembly

63-0847 PC Board (2409 only)

- Replacement 24 Volt AC/DC board assembly

12VDC & 24VDC POWER SUPPLIES



- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED.
- In the event of a DC short the problem is confined to the zone of difficulty
- Fire alarm interface standard

SARGENT Model No.	Description
3521	12V - 1 Amp power supply
3541	12V - 3 Amp power supply
737	12V - 5 Amp hour backup battery

SARGENT Model No.	Description
3520	24V - 1 Amp power supply
3540	24V - 2 Amp power supply
3550	24V - 4 Amp power supply
3570	24V - 6 Amp power supply
738	24V - 5 Amp hour backup battery

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Suggested Architectural Specifications

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ARCHITECTURAL SPECIFICATIONS

2.0 SINGLE-POINT CLOSER HOLDER RELEASE DEVICES

A. Single-point door closer holder release devices shall be 2409 Series as manufactured by SARGENT Manufacturing Company.
B. Door closer holders shall meet ANSI/BHMA A156.15 requirements.
C. Provide door closer holders to hold doors open under normal use conditions and to release and close door upon receiving a signal from fire alarm, or manually by pushing or pulling the door.
D. Door closer holders shall be UL listed (US and Canada) for use on fire doors.
E. Door closer bodies:
   1. One piece door closer body shall be die cast aluminum alloy with 14% silicon minimum content.
   2. Door closer body shall meet the requirements of ANSI Grade 1 per ANSI/BHMA A156.4.
   3. Door closer body shall be fully closed rack and pinion construction.
   4. Separate adjustable closing speed, latching speed, and backcheck shall be controlled by key operated valves with no less than one eighth inch hex.
   5. Valves shall be captivated and non-critical.
   6. Closer cover shall be constructed of high impact plastic material of flame retardant grade secured by machine screws.
   7. Door closer body shall meet the requirements of UL 10C positive pressure fire tests.
   8. Door closer body shall have a ten year limited warranty.
F. Electro-mechanical holder release track assembly:
   1. Devices shall include an integral, fully-adjustable hold-open mechanism.
   2. Track assembly will accommodate operating voltages of either 24VAC or 24VDC in the same unit or 120VAC as an option.
   3. Single-point hold open shall be adjustable from 85 to 110 degree of door opening.
   4. Track assembly shall include a terminal strip for ease of installation.
   5. Circuit board shall contain a self-resetting circuit breaker switch.
   6. Track assembly shall include an on/off switch to control hold-open.
   7. Two year limited warranty.
G. Door closer holders shall accommodate concealed or surface wiring standard.
H. Door closer holders shall have universal push or pull application.

2.0 MULTI-POINT CLOSER HOLDER RELEASE DEVICES

A. Multi-point door closer holder release devices shall be 2900 Series as manufactured by SARGENT Manufacturing Company.
B. Door closer holders shall meet ANSI/BHMA A156.15 requirements.
C. Provide door closer holders to hold doors open under normal use conditions and to release and close door upon receiving a signal from fire alarm, remote release switch, or manually by pushing or pulling the door.
D. Door closer holders shall be UL listed (US and Canada) for use on fire doors.
E. Door closer bodies with integrated hydraulic hold open mechanism:
   1. One piece door closer body shall be die cast aluminum alloy with 14% silicon minimum content.
   2. Door closer body shall meet the requirements of ANSI Grade 1 per ANSI/BHMA 156.4.
   3. Door closer body shall be fully closed rack and pinion construction.
   4. Separate adjustable closing speed, latching speed, and backcheck shall be controlled by key operated valves with no less than one eighth inch hex.
   5. Valves shall be captivated and non-critical.
   6. Cover shall be constructed of aluminum extrusion with plastic end caps secured by machine screws.
   7. Door closer body shall meet the requirements of UL 10C positive pressure fire tests.
   8. Devices shall accommodate operating voltages of either 24VAC or 24VDC in the same unit or 120VAC as an option.
   9. Multi-point hold open shall be adjustable from 10 to 170 degree of door opening.
   10. Devices shall include a terminal strip for ease of installation.
   11. Circuit board shall contain a self-resetting fuse.
   12. Devices shall include an on/off switch to control hold-open.
   13. Delayed adjustable hold-open shall be available as an option (80-option).
   14. Two year limited warranty.
F. Door closer holders shall accommodate concealed or surface wiring standard.
H. Door closer holders shall be available in push or pull application for regular or double egress type doors.

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Notes

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

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

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SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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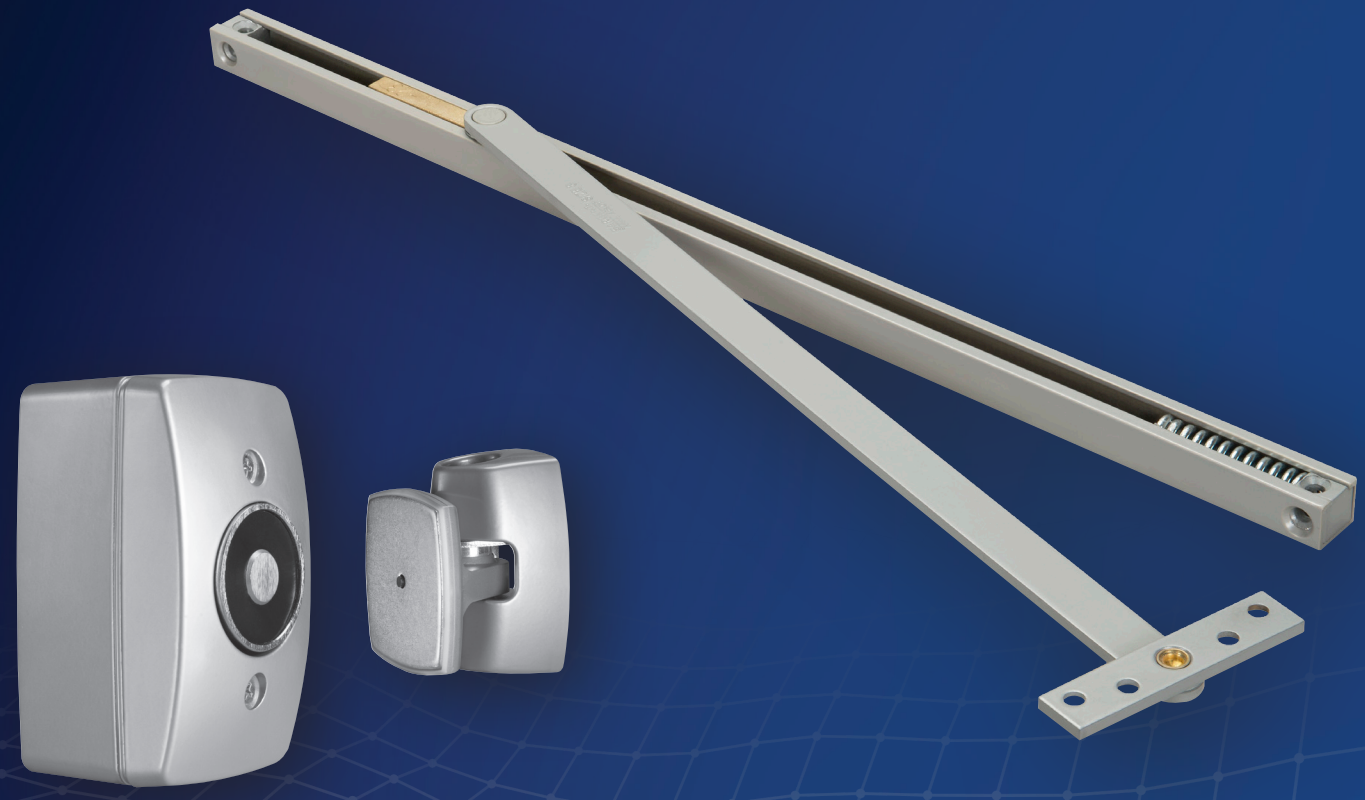
ASSA ABLOY

PRODUCT CATALOG

Holders/Stops



Experience a safer
and more open world

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690 Series Heavy Duty Overhead Concealed Mount 7
1540 Series Standard Duty Overhead Surface Mount 8
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On The Cover

590 Series Heavy Duty Surface Mount Overhead Holder
1540 Series Standard Duty Overhead Surface Mount

⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

Overview

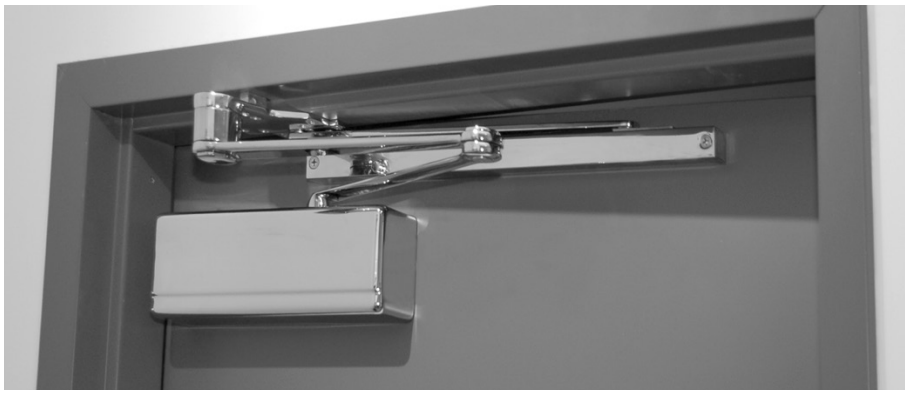
INTRODUCTION TO SARGENT OVERHEAD HOLDERS/STOPS

SARGENT overhead holders/stops are designed to protect the door and hardware from the abuse commonly found in commercial and institutional applications. With different series that include surface or concealed, standard or heavy duty, SARGENT has a holder/stop for every application.

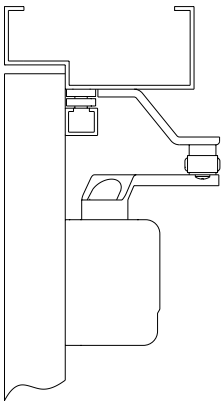
Overhead holders/stops are the most robust method of stopping a door while eliminating unsightly wall stops and floor stops. An overhead door stop protects the opening by effectively distributing abusive forces. Some door closers are available with holders/stops incorporated into them and work well in most cases, but continuous abuse can lead to frame and hinge failure. SARGENT overhead holders/stops are designed and manufactured for many years of service. The 590, 690,1530 and 1540 series come with a 5 year warranty.

Applications

- Office Buildings
- Assisted Living Facilities
- Hotel Guest Rooms
- Public Housing
- Retail Establishments



281 PD10 with 590 Series stop in a 26 finish



1431 P3 Shown with 1548 Stop

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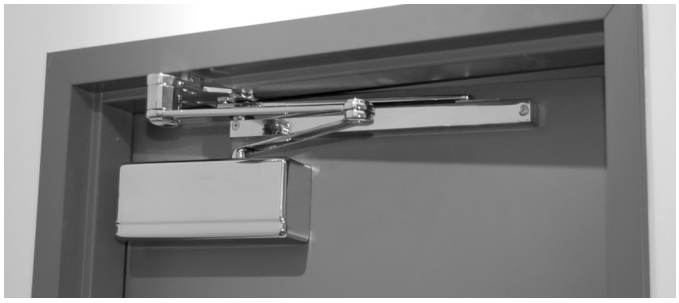
Traditional Holders/Stops General Information

SELECTING AN OVERHEAD HOLDER/STOP

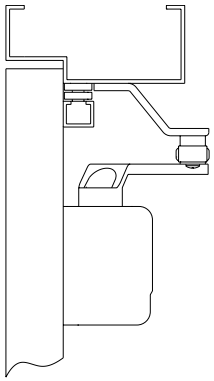
The traditional line of Sargent Overhead Holders/Stops is unsurpassed in the industry in regards to aesthetic details and quality. The 590 heavy-duty surface applied and 690 concealed heavy-duty series are designed for use on exterior doors and highly abused interior doors. The 1530 concealed series and the 1540 surface applied series are designed for use on interior doors.

All holders/stops are templated and installed for a particular degree of opening ranging between 85° to 110°. All SARGENT overhead holders/stops include a heavy duty spring designed to gradually absorb impact forces over a 3° to 9° of opening. When using holders and stops on doors opening against a wall or back to back, they should be templated/installed to eliminate the trim from coming into contact with the walls or each other.

When using vertical rod exit devices and or surface/flush bolts, use caution in choosing the proper size to ensure compatibility.



281 PD10 with 590 Series stop in a 26 finish



1431 P3 Shown with 1548 Stop

Warranty

All 590, 690, 1530 and 1540 Series Holders and Stops carry a 5 year limited warranty for defects.

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Traditional Holders/Stops Features and Details

Attention to detail and rugged design has made the SARGENT line of overhead stops and holders the premier door control products in the industry today. Our finely finished holders and stops are built from heavy gauge materials with attention to every detail. This produces a product that is strong and aesthetically pleasing.

Finished pivots

Decorative turn knob finished same as track

Finished end caps recessed in channel

Features

- ANSI/BHMA Certified: All 590, 690, 1530 and 1540 series Holders/Stops are ANSI/BHMA Grade 1 Certified
- Heavy duty architectural bronze construction
- UL Classified: The 590, 690, 1530 and 1540 stops are UL 10B and UL 10C classified as a miscellaneous fire door accessories
- Corrosion resistance: Metal construction provides corrosion resistance in a variety of conditions
- Holder Selector: 590 and 690 series holders are equipped with a turn knob to activate and deactivate the hold open function
- Zinc end caps
- Through-bolts capture channel and end caps
- Heavy duty shock spring absorbs load and gradually stops door

Aesthetics:

- Metal construction provides superior quality plated finishes
- Finished End Caps: End caps recessed into channel and finished same as channel
- Finished Rivets: Fasteners used to secure the arm to the slide and the jamb bracket are polished and finished the same as the rest of the holder
- Finished holder turn lever: SARGENT 590 and 690 holders are built with a finished holder turn knob without any exposed screws
- Finished channel corners: Corners of the channels are polished to match the rest of the arm and channel

Convenience:

- Minimal number of sizes required to cover all door widths
- Standard holder sizes based on standard door widths
- Non-handed

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590 Series Heavy Duty Overhead Surface Mount

SARGENT
ASSA ABLOY

INTERIOR OR EXTERIOR – HIGH TRAFFIC DOORS

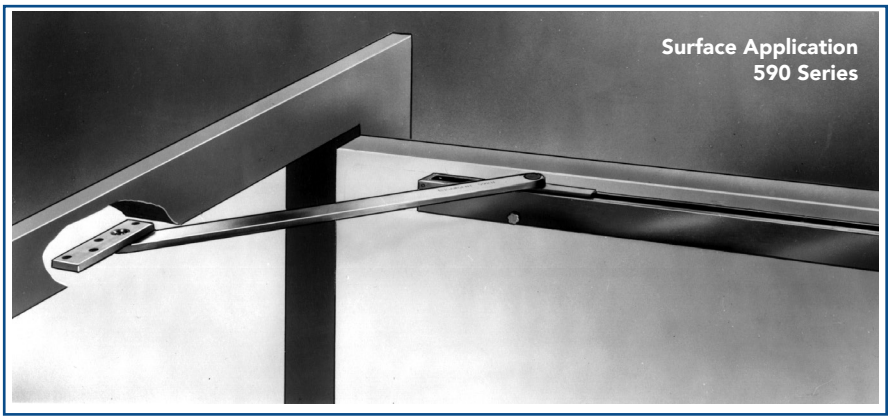
590 SERIES
- Surface application for exterior and interior single acting doors
- Two types to choose from:
  - "H" Holder; Stops and Holds doors open
  - "S" Stop; Stops door only
- All holders/stops are installed for a particular degree of hold open or stop ranging from 85° – 110°

ANSI/BHMA A156.8 Grade 1
590H Series BHMA Certified to CO2511
590S Series BHMA Certified to CO2541

UL Classified
- SARGENT 590 Series stops are UL 10B & 10C classified by Underwriter Laboratories as Miscellaneous Fire Door Accessories

Note: Door stops are not fire rated. The door and frame carry the fire rating

Hold-Open Models
- Convenient knob provides simple "on-off" control of hold-open feature
- Adjustable release tension



597H shown

SPECIFICATIONS

For Doors	Exterior and interior doors from 24" – 60" wide* and for doors 1-3/4" – 2" thick standard, Available for doors up to 3-1/4" thick, use 31- option and specify thickness
Finishes	03, 04, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D EN, EB, ED, EP, EAB, and BSP
Fasteners	Wood screws, machine screws, through-bolts, Mortise nuts supplied as standard for 1-3/4"– 2" thick doors. For doors more than 2" and less than 3-1/4", use 31– option and specify thickness
Options	**31-** Doors 2-1/4" – 3-1/4" thick, specify door thickness **36-**Torx security machine screws for exposed screws on doors up to 2" thick. 6 per holder/stop **CPC-**Clear Powder Coat

ACCESSORIES

Shims
- Optional 1/4" thick jamb bracket shims for use with frames with blade stops
- Order as required by 21-0104 x finish with screws listed below

Machine Screws
- Used with above 590 shims up to 3/4" thick. 01-3454 x finish, 4 required (1/4-20 x 1-1/4")
- Standard screw pack for 1-3/4" – 2" door. 21-2302 x finish

No. 195 Angle Bracket For Flush Door and Frames
590 Series holders can be mounted on flush door and frame assemblies through the use of the SARGENT 195 Angle Bracket. This handed bracket allows the mounting of the Jamb bracket to the top casing.

HOW TO ORDER

Specify options, number, letter designation, finish and door thickness as required.
Example: 31-SG-597H x 04 x 2-1/2" door

	Sizing Chart	
Actual Width of Door	**Stop with Hold-open**	**Stop Only**
24" – 32-1/2"	597H	597S
32-5/8" – 39-1/8"	598H	598S
39-1/4" and over	599H	599S

*** When using vertical rod exit devices and/or surface/flush bolts, use caution in choosing the proper size to ensure compatibility**

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690 Series Heavy Duty Overhead Concealed Mount

SARGENT
ASSA ABLOY

INTERIOR OR EXTERIOR – HIGH TRAFFIC DOORS

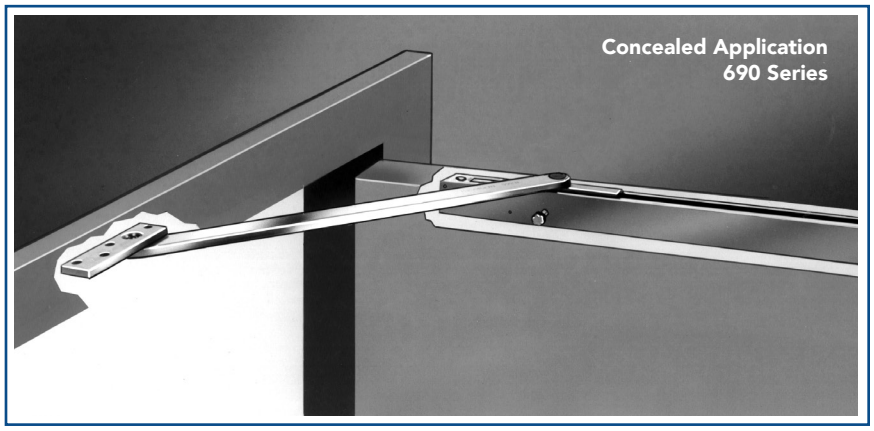
690 Series
- Concealed application for exterior and interior single or double acting doors
- Two types to choose from:
  - "H" Holder; Stops and Holds doors open
  - "S" Stop; Stops door only
- Both series can be mounted to stop the door at any angle from 85° – 110°
- Non-handed (Reversible)

ANSI/BHMA A156.8 Grade 1
690H Series BHMA Certified to CO1511
690 S Series BHMA Certified to CO1541

UL Classified
- SARGENT 690 Series stops are UL 10B & 10C classified by Underwriter Laboratories as Miscellaneous Fire Door Accessories

Hold-Open Feature
- Convenient knob provides simple "on-off" control of hold-open feature
- Adjustable release tension

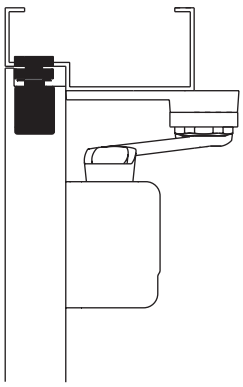
Accessories
- Standard screw packs
  690H Series 21-2263 x finish
  690S Series 21-2267 x finish



697H shown

SPECIFICATIONS

For Doors	Exterior and interior doors from 24" – 60" wide*. For doors 1-3/8" – 1-3/4" thick standard, Available for doors up to 3-1/4" thick, use 31- option and specify thickness
Finishes	03, 04, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, EN, EB, ED, EP, EAB, and BSP
Fasteners	Wood screws and machine screws provided and specify thickness
Options	**31-** Doors 2" – 3-1/4" thick, specify door thickness **36-** Torx Security machine screws. 8 required **CPC-** Clear Powder Coat



351-P10 shown with 697S on a single acting door

HOW TO ORDER

Specify options, number, letter designation, finish and door thickness as required.
Example: 31-CPC-697H x 03 x 2" door

	Sizing Chart	
Actual Width of Door	**Stop with Hold-Open**	**Stop Only**
24" – 32-1/2"	697H	697S
32-5/8" – 39-1/8"	698H	698S
39-1/4" and over	699H	699S

*** When using vertical rod exit devices and/or surface/flush bolts, use caution in choosing the proper size to ensure compatibility**

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1540 Series Standard Duty Overhead Surface Mount

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INTERIOR – MEDIUM TRAFFIC DOORS

1540 Series
- Surface application for interior single acting doors. Three types to choose from:
  - "H" Holder; Stops and Holds doors open
  - "S" Stop; Stops door only
  - "F" Friction Type; Holds door open
- Holder/Stop is surface mounted with arm and bracket attached to top jamb

Hold Open With Stop Type:
- Holds door open for a particular degree from 85° – 110°
- Hold-open feature engages and releases easily by a push or pull action
- Release tension is easily adjustable

Stop Only Type:
- Used to stop door with shock absorber spring
- Protects wall and door
- Maximum door opening 110°

Friction Type:
- Prevents unwanted movement of door
- Not for use with a door closer
- Can be held in any position up to 110°
- Friction unit is made of heavy duty brake lining type material
- Adjustable friction control

ANSI/BHMA A156.8 Grade 1
- 1540F Series BHMA Certified to C05531
- 1540H Series BHMA Certified to C05511
- 1540S Series BHMA Certified to C05541

UL Classified
- SARGENT 1540 Series stops are UL 10B & 10C classified by Underwriter Laboratories as Miscellaneous Fire Door Accessories

Note: Stops are not rated. The door and frame carry the fire rating

1548S Shown

SPECIFICATIONS

For Doors	Interior doors 18-1/2" up to 48" wide*, 1-3/8" to 1-3/4" thick standard, Available for doors up to 2-1/4" thick, use 31- option and specify thickness
Finishes	03, 04, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, EN, EB, ED, EAB, EP and BSP
Options	**31-** Doors 1-7/8" – 2-1/4" thick, specify door thickness **36-** Torx Security machine screws. 6 required **CPC-** Clear Powder Coat

HOW TO ORDER

Specify options, number, letter designation, finish and door thickness as required

Example: 31-CPC-1537F x 26D x 2" door

1540 Series furnished with through-bolt and grommet nut for mounting on doors, 1-3/8" – 1-3/4" thick only. For other doors up to 2-1/4" thick, specify thickness when ordering. For center hung pivots, consult factory.

	Sizing Chart		
Actual Width of Door	**Hold-Open with Stop**	**Stop Only**	**Friction Holder/Stop**
18-1/2" – 25"	1546H	1546S	1546F
25-1/8" – 32-1/2"	1547H	1547S	1547F
32-5/8" – 40"	1548H	1548S	1548F
40-1/8 – 48"	1549H	1549S	1549F

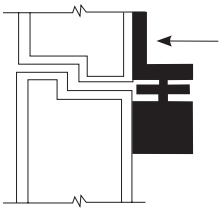
ACCESSORIES

Shims
- Optional 1/4" thick jamb bracket shims for use with frames with blade stops.

Machine Screws
- Order as required by 21-0198 x finish
- Used with above shims up to 3/4" thick. Four required per overhead. Order by 01-3436 x finish (12-24 x 1-1/4")
- Standard screw pack 21-2031 x finish

NO. 145 ANGLE BRACKET

For Flush Door and Frames
Series 1540 Overhead Door Holders can be mounted on flush doors and frames using the No. 145 Angle Bracket. This bracket allows the mounting of the arm to the top casing. Bracket is not handed.



*** When using vertical rod exit devices and or surface/flush bolts, use caution in choosing the proper size to ensure compatibility**

145 Angle bracket shown with 1540 with flush transom or rabbeted doors

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1530 Series Standard Duty Overhead Concealed Mount

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ASSA ABLOY

INTERIOR – MEDIUM TRAFFIC DOORS

1530 Series
- Concealed application for interior single or double acting doors opening to 110°
- Three types to choose from:
  - "H" Holder; Stops and Holds doors open
  - "S" Stop; Stops door only
  - "F" Friction Type; Holds door open
- Holder/Stop is concealed with arm and bracket mortised into jamb

Hold-Open With Stop:
- Holds door open for a particular degree from 85° to 110°
- Hold-open feature engages and releases easily by a push or pull action
- Release tension is easily adjustable

Stop Only Type:
- Used to stop door with shock absorber spring
- Protects wall and door
- Maximum door opening 110°

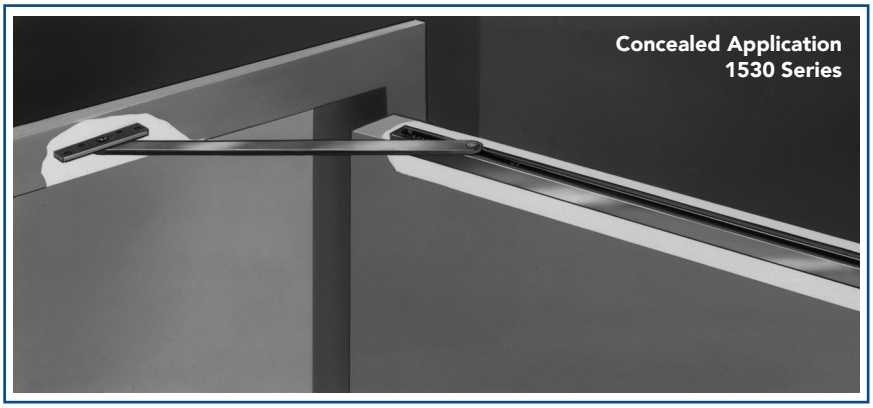
Friction Type:
- Prevents unwanted movement of door
- Not for use with a door closer
- Can be held in any position up to 110°
- Friction unit is made of heavy duty brake lining type material
- Adjustable friction control for varying conditions

ANSI/BHMA A156.8 Grade 1
- 1530F Series BHMA Certified to C04531
- 1530H Series BHMA Certified to C04511
- 1530S Series BHMA Certified to C04541

UL Classified
- SARGENT 1530 Series stops are UL 10B & 10C classified by Underwriter Laboratories as Miscellaneous Fire Door Accessories

Note: Stops are not rated. The door and frame carry the fire rating

Accessories
- Standard screw pack 21-2019 x finish



1538 S shown

SPECIFICATIONS

For Doors	Interior doors 19" up to 48" wide*, 1-3/8" – 1-3/4" thick, as standard. Available for doors up to 2" thick, use 31- option and specify thickness
Finishes	03, 04, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, and EN, EB, ED EAB, EP, and BSP
Fasteners	Wood screws, machine screws provided as standard
Options	**31-** Doors 1-7/8" – 2-1/4" thick, specify door thickness **36-** Torx Security machine screws. 6 required **CPC-** Clear Powder Coat

*** When using vertical rod exit devices and or surface/flush bolts, use caution in choosing the proper size to ensure compatibility**

	Sizing Chart		
Actual Width of Door	**Hold-Open with Stop**	**Stop Only**	**Friction Holder/Stop**
19" – 25"	1536H	1536S	1536F
25-1/8" – 32-1/2"	1537H	1537S	1537F
32-5/8" – 40"	1538H	1538S	1538F
40-1/8" – 48"	1539H	1539S	1539F

	Sizing Chart For Center Hung Pivots Only		
Actual Width of Door	**Hold-Open with Stop**	**Stop Only**	**Friction Holder/Stop**
21-1/4" – 26-5/8"	1536H	1536S	1536F
26-3/4" – 32-1/2"	1537H	1537S	1537F
32-5/8" – 40"	1538H	1538S	1538F
40-1/8" – 48"	1539H	1539S	1539F

HOW TO ORDER

Specify options, number, letter designation, finish and door thickness as required.
Example: 31-CPC-1537F x 26D x 2" door

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SARGENT
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1560 Series Electromagnetic Door Holders

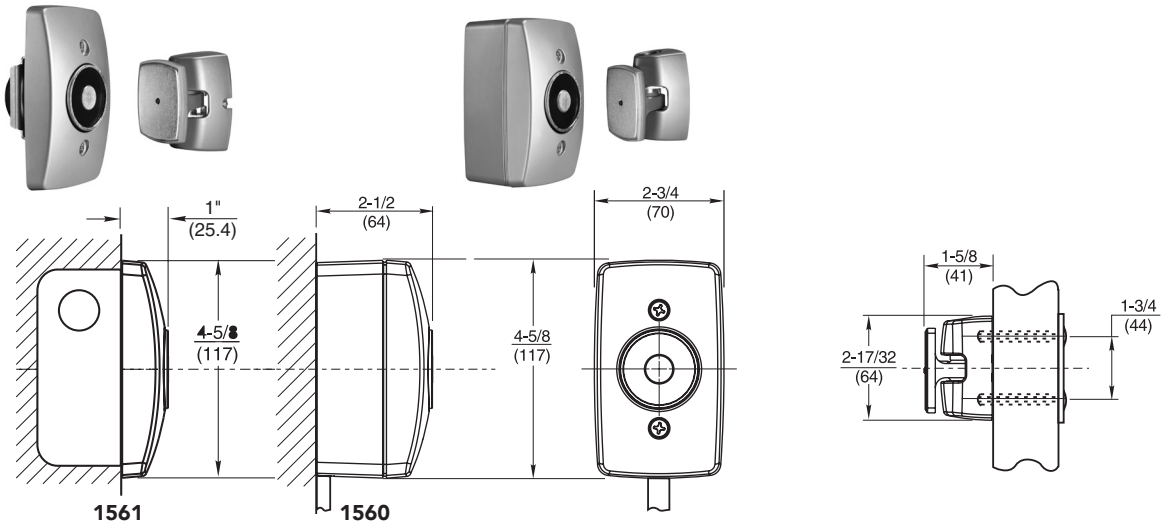
ELECTROMAGNETIC DOOR HOLDER

- Designed for use with self-closing fire and smoke barrier doors
- Use independently or with any fire or smoke detector system
- When de-activated, helps control the spread of fire and smoke by automatically releasing doors from an open position for simultaneous closing
- Fail-safe device: When electrical power fails, doors will release to close automatically
- Conforms to devices outlined in National Fire Protection Agency Standards Nos. 80 and 101
- Designed to work with SARGENT door closers
- Recommended vertical location is on top rail of door – within 6" of lock stile edge
- When applications will not allow wall or floor magnets, consult SARGENT's FireGuard catalog for our line of Electronic Closer Holders
- Fits standard outlet box
- Holding force – 35 lbs typical
- Voltage and Current:
  120 VAC, 60 Hz., .020 amp
  24 VAC/DC, 60 Hz., .020 amp
  12 VDC, .040 amp
- Finish – EN
- Meets ANSI/BHMA A156.15
- UL Listed to U.S. and Canadian safety standards
- 1" (25mm) extension p/n 52-2573 included standard to increase armature projection to 2-5/8" (67mm)
- Order as:
  1561 for Flush Mount
  1560 for Surface Mount
  1562 for Single Floor Mount
  1563 for Double Floor Mount

WALL MOUNT

1561 Flush Mount

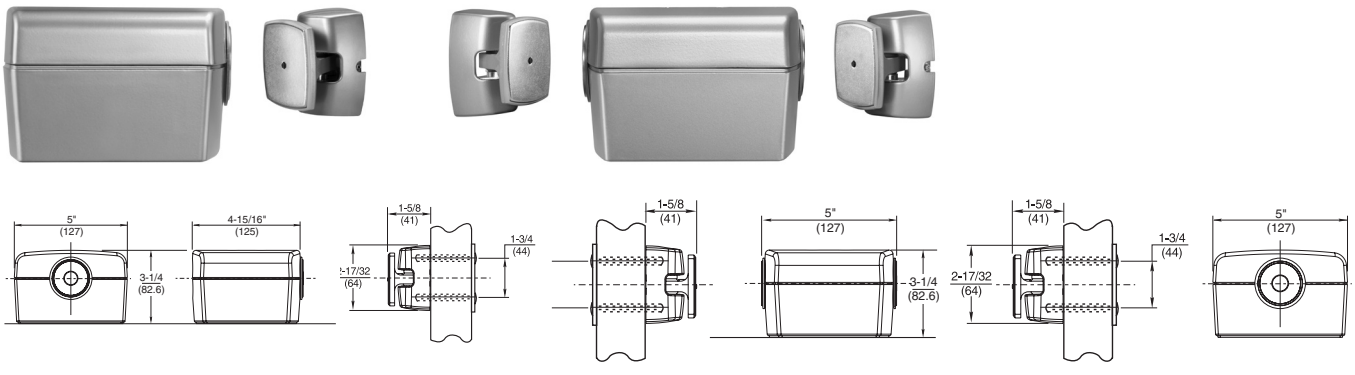
1560 Surface Mount



FLOOR MOUNT

1562 Single Floor Mount

1563 Double Floor Mount



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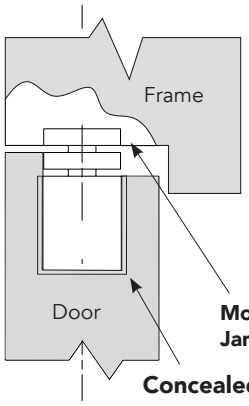
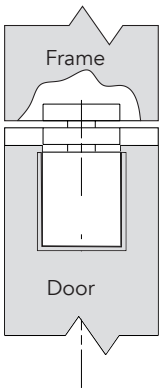
Overhead Holders/Stops Installations

CONCEALED MOUNTING (690 OR 1530 SERIES)



Standard Installation

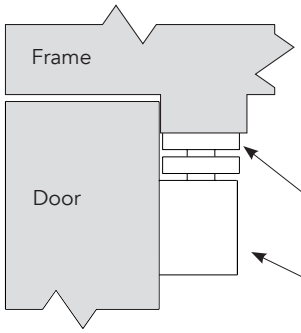
The channel is mortised into the door and the jamb bracket is mortised into the frame. Channel and jamb bracket fastened with wood or machine screws.



Double Acting Doors

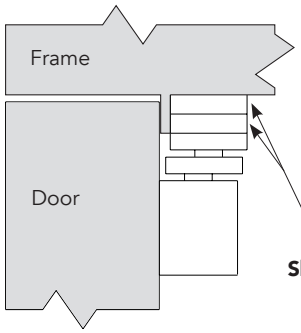
This mounting is similar to the standard concealed mounting with additional door prep to allow for arm clearance on both sides of door.

SURFACE MOUNTING (590 OR 1540 SERIES)



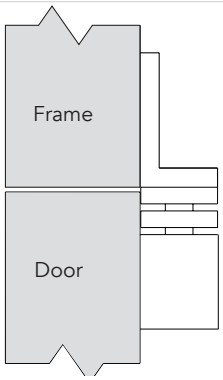
Standard Push Side Installation

The jamb bracket is surface applied to the stop and the channel surface applied to door.



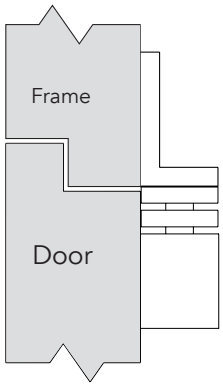
Blade Stop Frame Install

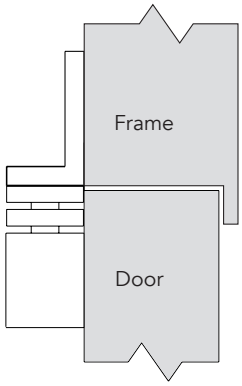
Similar to the above, except jamb bracket shims are used as required.



Flush Frame Push Side Installation

Use the 145 angle bracket for the 1540 series or 195 angle bracket for the 590 series.





Flush Frame Pull Side Application

Use the 145 angle bracket for the 1540 series.

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Finishes & Door Closer Compatibility Chart

Note: EN Finish standard for 1560 Series, consult factory for other painted colors

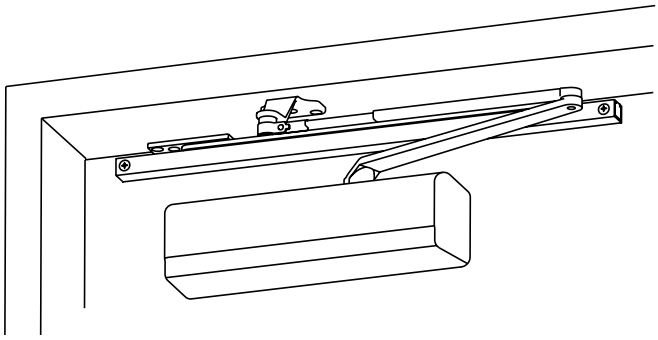
FREQUENTLY USED SARGENT DOOR CLOSERS WITH OVERHEAD HOLDERS AND STOPS

- **Standard Door Closer Applications (PULL SIDE MOUNT)**

  590 Series with 281, 351, 1431 Series with "O" Arm
  690 Series with 281, 351, 1431 Series with "O" Arm
  1530 Series with 281, 351, 1431 Series with "O" Arm
  1540 Series with 281, 351, 1431 Series with "O" Arm

- **Parallel Arm Door Closer Applications (PUSH SIDE MOUNT)**

  590 Series with 281, 351, 1431 Series with "P3" Arm
  690 Series with 281, 351, 1431 Series with "P9" Arm
  690 Series with 281, 351, 1431 Series with "P10" Arm
  1530 Series with 281, 351, 1431 Series with "P9" Arm
  530 Series with 281, 351, 1431 Series "P10"
  1540 Series with 281, 351, 1431 Series with "P3" Arm



1430-P3 Shown w/1548S

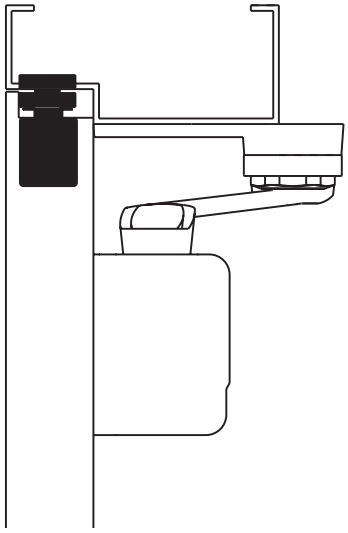
- **Parallel Arm Door Closer Applications Used with a Flush Frame**

  590 Series with 281, 351, 1431 Series with "P4" ARM
  690 Series with 281, 351, 1431 Series with "P4" ARM
  1530 Series with 281, 351, 1431 Series with "P4" ARM
  540 Series with 281, 351, 1431 Series with "P4" ARM

- **Inverted Top Jamb Applications**

  590, 690, 1530, 1540 Series with 281, 351, 1431 Series and "O" OZ, OZA arm

Note: This chart is only a quick reference. Some applications may require the use of 145 or 195 angle bracket
Contact factory for special applications.



351 P10 Shown w/697S

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Notes

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

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ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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SARGENT®

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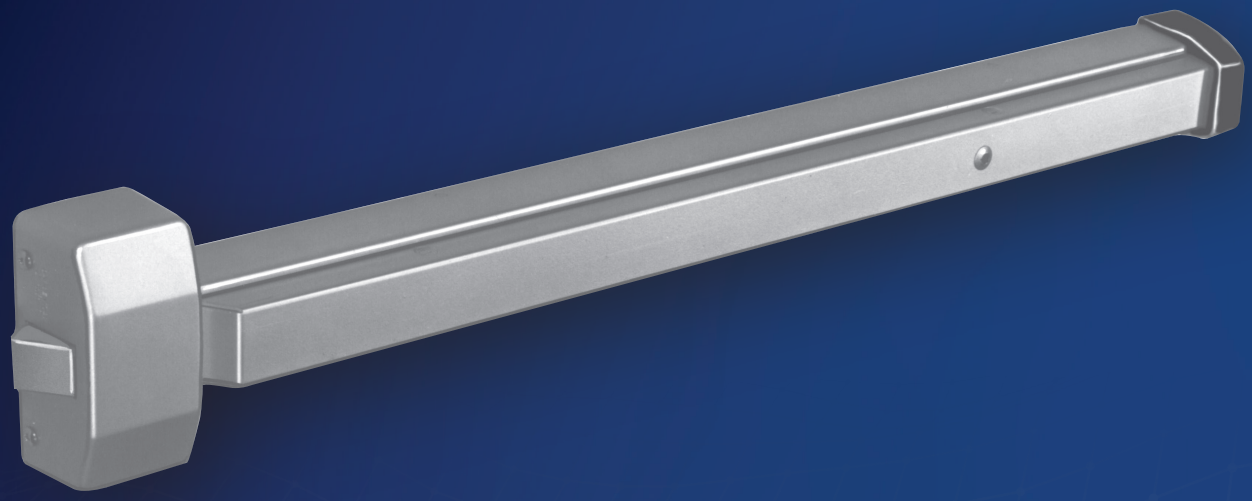
PRODUCT CATALOG

20 Series Exit Device



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On The Cover

SARGENT 2828 Rim Exit Device with EN Finish

⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

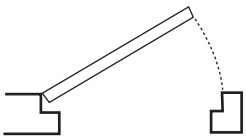
Features, Applications and UL Fire Door Ratings

APPLICATIONS

Features

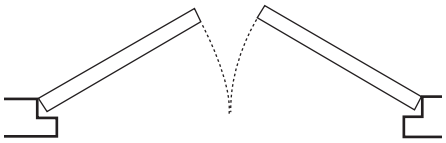
- Rugged exit device in surface vertical rod and rim designs
- Chassis mounted unit construction assures easy installation and maintenance
- Tapered push rail and angled covers
- Steel endcaps and covers
- Up to five functions with a variety of trim
- All exit devices meet ANSI/BHMA Standard 156.3, Grade 1
- UL Listed
- UL Listed to Canadian safety standards
- Available as Fire Exit Hardware (12-)

Single Door



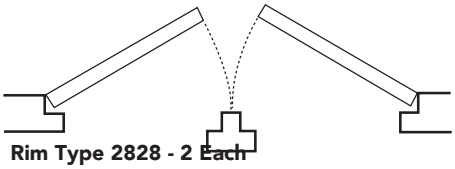
Vertical Rod Type 2727
Surface applied 2 / 1 point lock.
Rim Type 2828
Surface application.

Pairs of Doors without Mullion



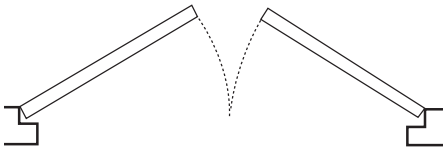
Vertical Rod Type 2727 - 2 Each
Surface applied 2 / 1 point locking both doors. Each door active. Do not use an overlapping astragal.

Pairs of Doors with 980 Mullion



Rim Type 2828 - 2 Each
980 Mullion - 1 Each
Two independent active doors with full double door opening when required.

Pairs of Doors without Mullion



Vertical Rod Type 2727 - 1 Each Rim Type 2828 - 1 Each
Both devices are surface applied. A coordinator is required.

Maximum Door Openings & UL Fire Door Ratings
For available functions and outside trim, see charts for regular exit devices

• = Available			UL Fire Door Rating				
Application & Type	**Regular Design**	**Maximum Door Opening**	**(A) 3 Hour**	**(B) 1 1/2 Hour**	**(B) 1 1/2 Hour**	**(D) 1/2 Hour**	**(E) 3/4 Hour**
Single Doors Rim Type	12-2828	4'0" X 8'0" (1219mm X 2438mm)	•	•	•	•	•
Pair of Doors Two Surface Mounted Vertical Rod Type - Swinging in same direction	*12-2727 x *12-2727	8'0" X 8'0" (2438mm X 2438mm)	•	•	•	•	•
Two Rim Type with 12-980 Mullion	12-2828 x 12-2828	8'0" X 8'0" (2438mm X 2438mm)	•	•	•	•	•
Two Surface Mounted Vertical Rod Type - Swinging in opposite directions	12-2727 x 12-2727	8'0" X 8'0" (2438mm X 2438mm)	•	•	•	•	•

Note: Please contact door manufacturer for specifications regarding fire door construction
* Limited for fire doors listed by UL for this use. NFPA requires an astragal on 3 hour applications. Vertical rod application will not work with astragal.
^ Thermal pins required, 2 pins per set, 1 per door.

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

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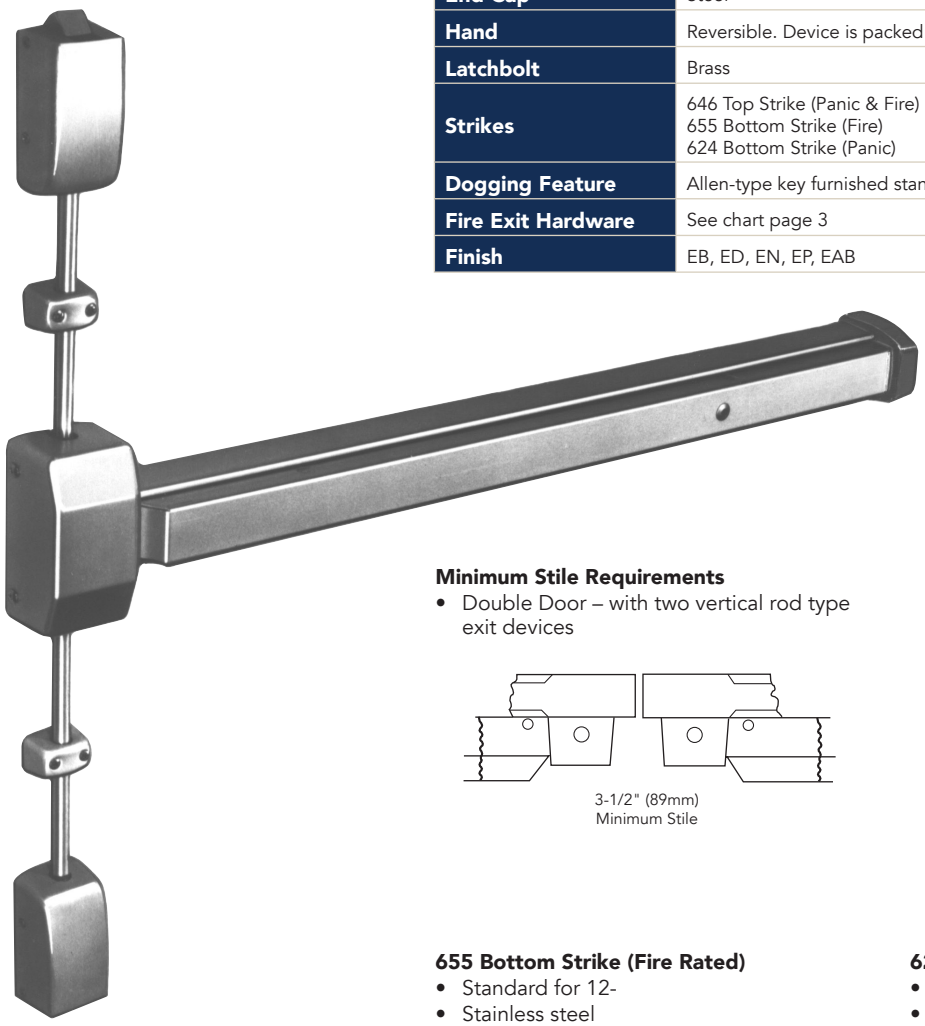
2727
Vertical Rod Type Exit Device

SPECIFICATIONS

For Doors	1-3/4" (44mm) thick standard. 3-3/4" (95mm) minimum stile width required for single door application. 3-1/2" (89mm) minimum stile width required for double door application. Standard AFF is 41".
Outside Trim	28 Series Lever & Rose Trims, GTB/HTB Pulls & Plates, OB Knob Trims & Thumbpiece Trims
Mounting	Furnished standard with wood and machine screws Available with thru bolts and mortise nuts
Cover	Steel
Chassis	Nonferrous alloy
Rail Assembly	Roll formed steel
End Cap	Steel
Hand	Reversible. Device is packed standard LHRB
Latchbolt	Brass
Strikes	646 Top Strike (Panic & Fire) 655 Bottom Strike (Fire) 624 Bottom Strike (Panic)
Dogging Feature	Allen-type key furnished standard (non fire rated devices only)
Fire Exit Hardware	See chart page 3
Finish	EB, ED, EN, EP, EAB



The 2727 Multi-function SVR Exit Device is the perfect stocking device.

- 6 functions determined by trim selected
- Device & trim sold separately; easy to mix and match
- 4 available trim designs

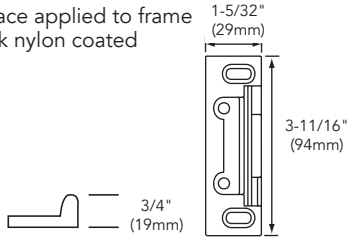
Order as an 2727 followed by rail size, opening, AFF and finish

Minimum Stile Requirements

- Double Door – with two vertical rod type exit devices

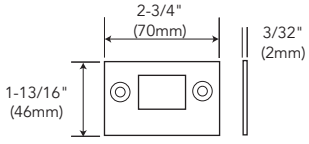
646 Top Strike

- Standard for both Panic & Fire (12-) Hardware with or without bottom rod
- Surface applied to frame
- Black nylon coated



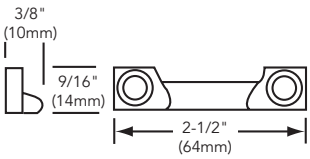
655 Bottom Strike (Fire Rated)

- Standard for 12-
- Stainless steel
- Black nylon coated



624 Bottom Strike (Panic)

- Standard for 2727
- Applied to surface of floor or to a flat threshold
- Black nylon coated



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2828 Rim Type Exit Device

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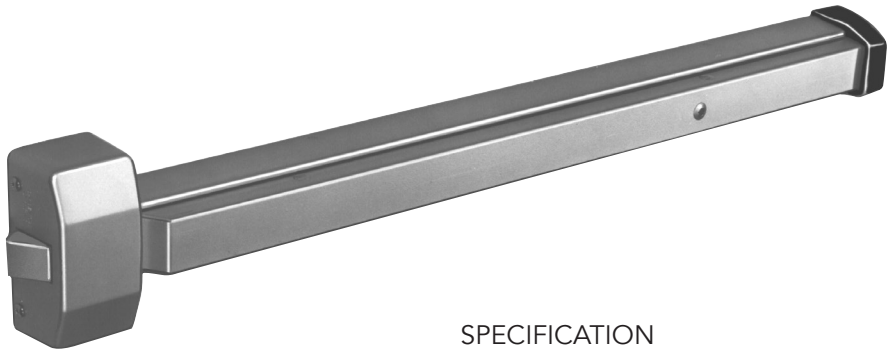


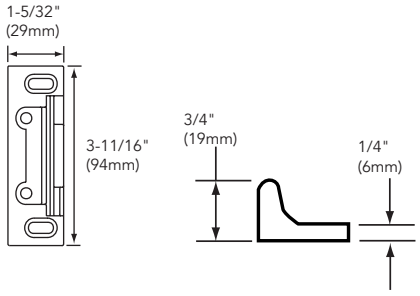
The 2828 Multi-function Rim Exit Device is the perfect stocking device.
- 7 functions determined by trim selected
- Device & trim sold separately; easy to mix and match
- 4 available trim designs

Order as an 2828 followed by rail size and finish

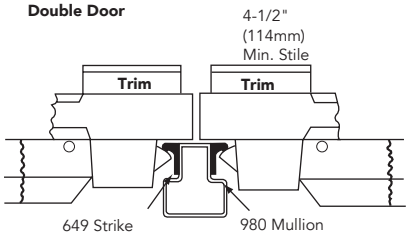
SPECIFICATION

For Doors	1-3/4" (44) thick standard. 4-1/2" (114mm) minimum stile width required for single or double door application using standard 649 strike
Outside Trim Thumbpiece Trims	28 Series Lever & Rose Trims, GTB/HTB Pulls & Plates, OB Knob Trims & Thumbpiece Trims
Mounting	Furnished standard with wood and machine screws Available with through-bolts and mortise nuts
Cover	Steel
Chassis	Nonferrous alloy
Rail Assembly	Roll formed steel
End Cap	Steel
Hand	Non handed
Latchbolt	Stainless steel 3/4" (19mm) throw
Strike	649 packed standard
Dogging Feature	Allen-type key furnished standard (non fire rated devices only)
Fire Exit Hardware	See chart page 3
Finish	EB, ED, EN, EP, EAB

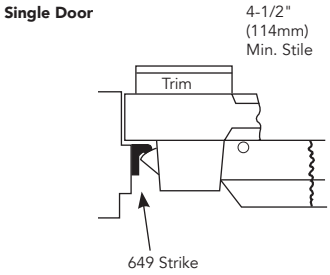
649 Strike



Minimum Stile Requirements



Minimum Stile Requirements



- Surface applied
- Standard & fire rated
- Strikes are black nylon coated

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20 Series Trims

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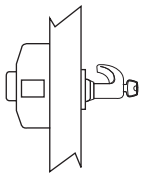
The trim function determines the function of the exit device. All 28 Series trims work with all 20 Series Exit Devices, except where noted.
Note: All trims and exit devices are ordered and packaged separately

28 SERIES LEVER & ROSE TRIM FOR 2727/2828 SERIES EXIT DEVICES

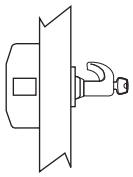
Lever & Rose Trim

- For 1-3/4" (44mm) doors only
- Functions available for 04, 06, 10, 13 , 15, BSP, WSP
- Not handed
- Finishes: 03, 04, 10, 10B, 10BE, 20D & 26D
- Lever designs available: "L", "B", "P"

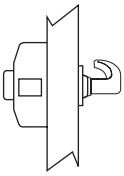
To order specify 28 followed by the function Trim will not retrofit on devices purchased prior to 2000. Consult factory.
(K, N, D, C or L), the rose (L), the lever (L, B or P) and finish
Example: 28-K-LL x 26D



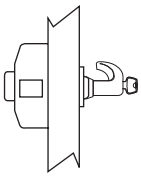
28-K-LL
Night Latch
Key in lever retracts latchbolt.
04 Function
For 3828 only
(ANSI 03)



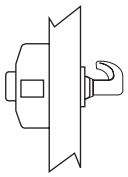
28-N-LL
Night Latch
Lever operates only when key is in cylinder and turned.
06 Function
(ANSI 09)



28-D-LL
Dummy
Lever rigid at all times & no outside function.
10 Function
(ANSI 02)

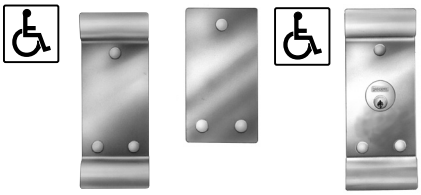


28-C-LL
Entrance
Key in lever locks or unlocks lever.
13 Function
(ANSI 08)



28-L-LL
Passage
Latchbolt operated by lever.
No Cylinder
15 Function
(ANSI 14)

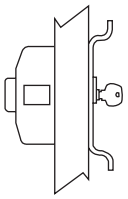
28 SERIES GTB/HTB PULLS & PLATES FOR 2727/2828 SERIES EXIT DEVICES



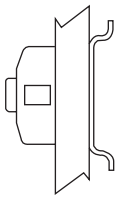
810-GTB 802-GTB 814-HTB

- For 1-3/4" (44mm) doors standard
- Through-bolted with 3 mortise nuts
- Pulls project 1-1/2" (38mm) from door face
- GTB Design Trim will cover a 161 cutout
- Trim ordered separately.
- Finishes: EN, EB, ED, EP & EAB
- For cylinder operation only with no trim, (Specify 2828 x 34 rim cylinder x finish)

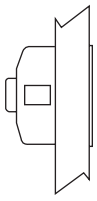
To order specify: trim design and finish
Example: 814-HTB x EN



814-HTB
Night Latch
Outside by pull and key. (2828 only)
04 Function
(ANSI 03)



810-GTB
Exit Only with Pull
Outside pull when push bar is locked down.
10 Function
(ANSI 02)

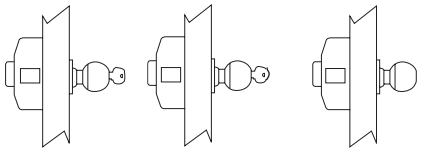


802-GTB
Exit Only
Blank plate to cover 161 cutout.
10 Function
(ANSI 01)

28 SERIES OB KNOB TRIM FOR 2727/2828 SERIES EXIT DEVICES

- For 1-3/4" (44mm) doors only
- Functions available for 04, 13 and 15
- Non-handed
- Finishes: 26D

To order specify 28 followed by the function (K, C or L), the rose (O), the knob (B) and finish
Example: 28-K-OB x 26D



28-K-OB
Night Latch
Key in knob retracts latchbolt.
2828 only
04 Function
(ANSI 03)

28-C-OB
Entrance
Key in knob locks or unlocks knob.
13 Function
(ANSI 08)

28-L-OB
Passage
Latchbolts operated by knob.
No Cylinder
15 Function
(ANSI 14)

28 SERIES THUMBPIECE TRIM FOR 2727/2828 SERIES EXIT DEVICES

- Finishes: EN, EB, ED, EP & EAB

***1 3/4" Door Only**

866-TP
Key locks or unlocks thumbpiece
(63)

814-TP
Key retracts latchbolt (2828 ONLY)
(04)

To order specify: trim design and finish
Example: 866-TP x EN

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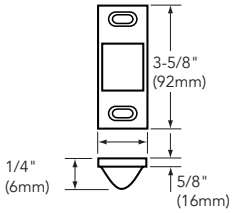
Alternate Strikes and Shim Kits

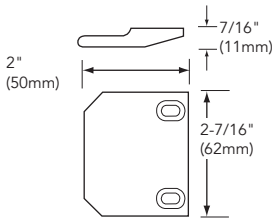
ALTERNATE STRIKES

613 Strike (Alternative for 2828)



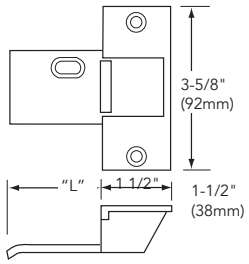
Half mortised. Nylon coating on face plate only. Minimum stile 4". When ordered separately, specify finish.

644 Strike (Alternative for 2828)



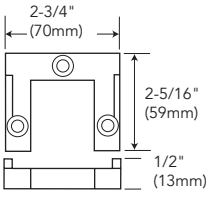
Surface applied. For use on pair of doors without mullion. Specify outside finish when ordered separately.

642 Strike (Alternative for 2828)



Full mortised dimension "L" equals door thickness plus 1/2" (13mm).

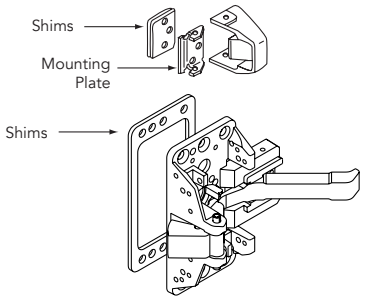
653 Bottom Strike (Alternate for 12-2727)



Available on order for 12-2727. For use with 1/2" (13mm) high threshold. Cut threshold to fit strike. Stainless steel. Furnished with expansion shields.

GLASS BEAD SHIM KITS

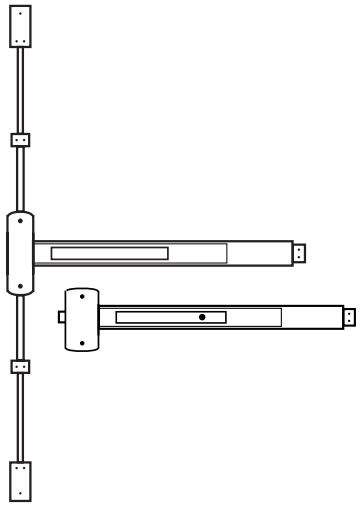
558 for 2828 and 12-2828 Exit Devices
559 for 2727 and 12-2727 Exit Devices
Note: When ordering shim kits for exits with outside trim, spindle length, thumbpiece length and through bolt length must be increased accordingly.
(2 pieces 1/8" shim supplied. 1/4" total.)



THROUGH BOLT (TB) APPLICATIONS

Device	Door Thickness	*Ordering Number
2727	1-3/4" (44mm) 2-1/4" (57mm)	28-2031 28-2032
12-2727	1-3/4" (44mm) 2-1/4" (57mm)	28-2078 28-2088
2828 & 12-2828	1-3/4" (44mm) 2-1/4" (57mm)	28-2024 28-2025

*Specify finish



Through bolts and mortise nuts are furnished in a pack along with the appropriate instruction sheet for device ordered.
To order through bolts and mortise nuts with an exit device, add suffix TB to trim pack.
Example: 2727 x TB x EN
Available finishes: EB, EN, ED, EAB
To order through bolt and mortise nut packs separately, see chart above.

Rod Replacement Kits

Product	Top Rod Kit ++	Bottom Rod Kit +++
2700+	672T	672B

+ Finish Information Required
++ Door Height & Rail Location Required
+++ Rail Location Required

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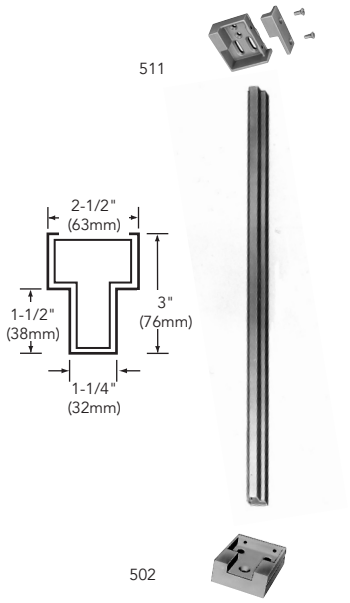
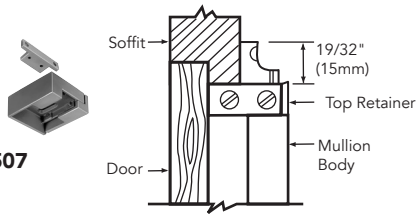
Mullions and Door Kits

980 Removable Mullion
980 Extruded Aluminum (prime coat)
980A Aluminum (US28)
Consists of:
- Mullion
- 511 Top Retainer
- 502 Bottom Retainer
- 86" (2184mm) stock size; 120" (3000mm) available



507 Adapter for Narrow Transom Bars
- Available with 980 and 980A
- Required when soffit is 1-1/4" (32mm) to 2" (51mm) wide



507

12-980 Mullion (96" maximum)
For 12-3828
2" x 3" Channel Iron. Malleable iron top and bottom retainers.
- 86" (2184mm) stock size; 120" (3000mm) available
- Fire rating is valid only up to 96" (2438mm)
- Mullions longer than 86"(2184mm) must be ordered as 12- option x 120" (3000mm length and cut to size in the field.

Top Retainer Shim Kit - 601

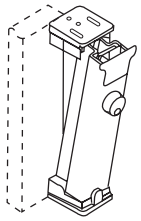
543 Stock Hollow Metal Door Kit
Kit consists of a 649 Strike Shim, a 161F Lock Front Filler, and a 86S Strike Filler for applying a 3828 Series Exit Device on doors prepared with Fed. Type 161 cutouts, and frames prepared for ANSI A115-2 Strikes. The 649 strike shim is 1/8" (3mm) thick and is used to obtain the correct distance between the exit device case and the 649 surface applied strike, when the stop is 1/2" (13mm) high.

649 Strike Shim

161 Lock Front Filler

86S Strike Filler

L980 Lockable Mullion



- Aluminum Prime Coat
- Specify: "L980A"Anodized Aluminum
  Specify: "L980A x10B" for 313AN to match 10B
- Used for non fire rated applications
- 86" (2184mm) stock size
- 120" (3000mm) available
- Standard #41 cylinder (1-1/8")
- Cylinder options: Signature, XC-, Schlage Keyways SC- & SE- available
- Wall Mount Kit 98-2578
- Top Ret Pack 98-2526
- Bottom Ret Pack 98-2525
- Cylinder Kit must be **ordered separately** (980C1)

SM980S Split Mullion

- Steel
- Panic Rated
- Gray Paint finish
- Hassle-free transportation with a 30% smaller packaging size
- 96" (2438 mm) Stock Size

SML980S Lockable Split Mullion
- Steel
- Panic Rated
- Gray Paint finish
- Hassle-free transportation with a 30% smaller packaging size
- 96" (2438 mm) Stock Size
- #41 cylinder standard (#42 & #43 available)
- Cylinder options: Signature, XC-, Schlage

Keyways SC- & SE- available
- Top Retainer Shim Kit - 601
- Cylinder Kit must be ordered separate
- 980C1 - Available in 32D and 108 finish)

SMEL980
- Steel
- For use with monitor or electric strikes
- Quick-Connect wiring supplied
- 96" (2438 mm) Stock Size
- Requires a #46 cylinder
- Top Retainer Shim Kit - 601
- Not available in 12- option
- Cylinder Kit must be ordered separate (980C2 - Available in 32D and 108 finish)

Note: For complete Listing of available mullions, see the 80 Series Catalog

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Mullions and Door Kits

12-L980 Lockable Mullion
- Steel
- Fire rated for 8'0" x 8'0" (2438mm x 2438mm) paired openings
- 86" (2184mm) Stock Size
- Fire rating is valid only up to 96" (2438mm)
- Mullions longer than 86"(2184mm) must be ordered as 12- option x 120" (3000mm) length and cut to size in the field.
- #41 cylinder standard
- Cylinder options: Signature, XC-, Schlage Keyways SC- & SE- available
- Top Retainer Shim Kit - 601
- Cylinder Kit must be **ordered separately** (980C1)

EL980 Electric Lockable Mullion
- Steel
- For use with monitor or electric strikes
- Quick-Connect wiring supplied
- 86" (2184mm) stock size
- 120" (3000mm) available
- Requires a #46 cylinder
- Top Retainer Shim Kit - 601
- Not available in 12- option
- Cylinder Kit must be **ordered separately** (980C2)

Mullion Accessories
RK980
Latchbolt assembly retrofit kit with top and bottom retainers for 980 mullion

Retainer Packs

Product #	Description
98-2526	Top Ret. pack for L980
98-2525	Bottom Ret. pack for L980
98-2558	Top Ret. pack for 12-L980
98-2556	Bottom Ret. pack for 12-L980, EL980,SMEL980
98-2559	Top Ret. pack for EL980, SMEL980

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Mechanical and Cylinder Options

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Mechanical Options:

Note: Mechanical Options are available for Exit Devices only

Fire Rated	**12-**	UL Fire Label Exit hardware (not available with 16- & HK-)
Dogging Options	**LD-**	Less Dogging (Non Fire Rated Devices Only)

Cylinder Options:

Note: Cylinder Options are available for 16- Exit Devices and 04, 06 & 13 function trims

	Code	Description	Lever Trim	Knob Trim	GTB-HTG-Thumbpc Trim	Rail - 16-Cyl Dogging
Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (bump resistant with patented keys)	X	X	X	X
	DG1-21-	Degree Level 1 Construction Master Keying	X	X	X	X
	DG1-60-	Degree Level 1 Removable Disposable Construction Core	X		X	X
	DG1-63-	Degree Level 1 Removable Core	X		X	X
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC	X		X	X
	DG2-	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)	X	X	X	X
	DG2-21-	Degree Level 2 Construction Master Keying	X	X	X	X
	DG2-60-	Degree Level 2 Removable Disposable Construction Core	X		X	X
	DG2-63-	Degree Level 2 Removable Core	X		X	X
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC	X		X	X
	DG3-	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)	X	X	X	X
	DG3-21-	Degree Level 3 Construction Master Keying	X	X	X	X
	DG3-60-	Degree Level 3 Removable Disposable Construction Core	X		X	X
	DG3-63-	Degree Level 3 Removable Core	X		X	X
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC	X		X	X
Signature Key System	**10-**	SARGENT Signature Key System	X	X	X	X
	10-21-	SARGENT Signature Construction Key System (Lost Ball)	X	X	X	X
	10-63	SARGENT Signature LFIC (Removable Core) Cylinder	X		X	X

Note: For cylinder options not shown, please contact factory for availability
Note: For V-10 Cylinders and information, contact ASSA

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Cylinder Options

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	Code	Description	Lever Trim	Knob Trim	GTB-HTG-Thumbpc Trim
11- & 11-21- XC- Key System	**11-**	XC Key System (not available with other Key systems unless specified)	X	X	X
	11-21-	XC- Construction Key System (Lost Ball)	X	X	X
11-60 to 11-64 =XC- Large Format Interchangeable Core	**11-60**	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core- provided	X		X
	11-63	Hardware provided with XC- LFIC (Removable Core) Cylinder - (includes masterkeying, grand masterkeying)	X		X
	11-64	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)	X		X
XC- Interchangeable Cores	**11-70-7P**	Lock to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided	X		X
	11-72-7P	Lock to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent Core ordered separately	X		X
	11-73-7P	Lock supplied with XC- Small Format 7-Pin interchangeable core (includes masterkeying, grand masterkeying)	X		X
	11-65-73-7P	Lock provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (packed loose)	X		X
Large Format Interchangeable Core	**60**	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable plastic Core provided (Permanent Cores ordered separately)	X		X
	63	Hardware provided with LFIC (Removable Core) Cylinder - (includes masterkeying, grand masterkeying)	X		X
	64	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered separately)	X		X
Interchangeable Cores	**70**	Lock to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided	X		X
	72	Lock to accept 6- or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)	X		X
	73	Lock supplied with 6-Pin SFIC (Includes masterkeying, grand masterkeying)	X		X
	65-73	Lock provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (packed loose for field keying)	X		X
	65-73-7P	Lock provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (packed loose for field keying)	X		X
	73-7P	Lock supplied with Small Format 7-Pin Interchangeable Core (includes masterkeying, grand masterkeying)	X		X
Keso & Keso F1	**80**	Lock to accept Keso and Keso F1 cylinders - no cylinders provided			X
	81	Cyl to accept Keso and Keso F1 - Removable cores - no core provided			X
	82	Lock provided with SARGENT Keso Security Cylinder			X
	F1-82	Lock provided with SARGENT Keso F1 Security Cylinder (Patented)			X
	83	SARGENT Keso Security Removable Core Cylinder (for existing systems only)			X
	84	SARGENT Keso Security Removable Construction Core Cylinder			X
Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)	X	X	X
Bump Resistant	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders only)	X	X	X
Less Cylinder	**LC-**	Less Cylinder	X	X	X
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted	X	X	X
	SE-	Schlage E keyway cylinder, 0 bitted	X	X	X
	SF-	L lever to accept Schlage large format interchangable core (supplied less core, tailpiece included)	X		

Note: For cylinder options not shown, please contact factory for availability
Note: For V-10 cylinders and information, contact ASSA

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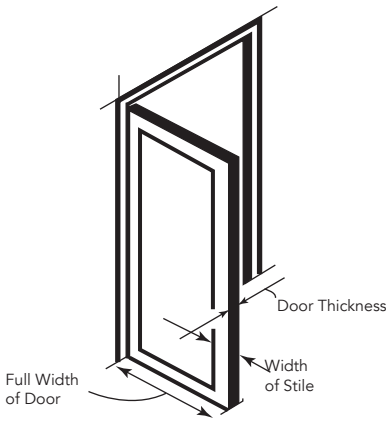
Ordering Information, Rail Sizes and Finishes

Check List for Ordering
Indicate the following door and frame information:

- Single doors, or pair of doors with mullion, or pair of doors without mullion
- Door and frame material
- Dimensions:
  - Door opening width
  - Stile width
  - Door thickness
  - Stop height

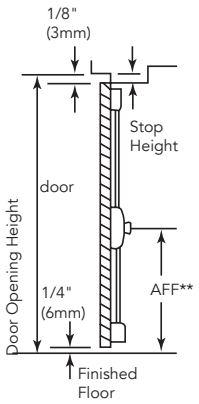
Example: Single Door x Hollow Metal Frame 36" x 5" x 2-1/4" x 1/2"

- If Vertical Rod Devices also indicate:
  - Mounting height
  - Door opening height
  - Threshold height
  - If no threshold is used, so state
  - Unless threshold information is indicated, exit device will be furnished for use without threshold
- Mullion stock size is 96" (2438mm); 120" (3000mm) available
- In ordering templates for hollow metal doors and/or frames, state job name on template order. Give template order number or template numbers on hardware order



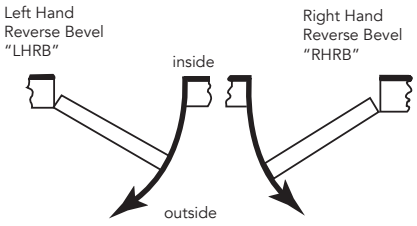
Stock Rail Sizes Available

E	For doors	24" through 32"	61cm through 81cm
F	For doors	33" through 36"	82cm through 91cm
G	For doors	43" through 48"	109cm through 122cm



Finishes available with Lever & Rose Trim and OB Knob Trim

SARGENT Designation	ANSI/BHMA Designation	Finish Description
03	605	Bright brass, clear coated
04	606	Satin brass, clear coated
10	612	Satin bronze, clear coated
10B	613	Dark oxidized satin bronze, oil rubbed
10BE	613E	Dark oxidized satin bronze, equivalent
20D	624	Statuary bronze dark powder coated
26D	626	Satin chromium plated
BSP	—	Black Suede Powder Coat
WSP	—	White Suede Powder Coat



Finishes available with Exit Devices, GTB Trims & Thumbpiece Trim

SARGENT Designation ANSI/BHMA Designation	ANSI/BHMA Designation Finish Description	Finish Description SARGENT Designation
EB	690	Sprayed bronze enamel or polyester powder coated to match finish 10B
ED	693	Sprayed black enamel or polyester powder coated to match finish 20D
EN	689	Sprayed aluminum enamel or polyester powder coated
EP	691	Sprayed bronze enamel or polyester powder coated to match finish 10
EAB	696	Brass enamel or polyester powder coated to be used with brass finishes

** AFF: Above Finish Floor or Threshold; Required information for 3727 Devices. Standard mounting height 41" (104mm) above finished floor to centerline of device or 38" (965mm) above finished floor to centerline of device for elementary schools.

Packaging

Product	Avg. WT	Case
Exit with trim	15 lbs.	1 ea
980 mullion	18 lbs.	1 ea
12-980 mullion	40 lbs.	1 ea

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Architectural Specifications and How To Order

HOW TO ORDER 2727/2828 MULTI-FUNCTION EXIT DEVICES:

Specify the following for 2727 Devices:					
Options	**Series**	**Rail**	**Opening**	**AFF**	**Finish**
11	2727	F	84"	41"	EN

Specify the following for 2828 Devices:			
Options	**Series**	**Rail**	**Finish**
11-12-	2828	F	EN

- All trims and functions listed on this page, work with 2727 & 2828 Exit Devices, except where noted
- Available Options listed on page 10

HOW TO ORDER TRIM FOR 2727 & 2828 EXIT DEVICES (EXIT DEVICE SOLD SEPARATELY)

Example:

11-	**28-C-LL**		**26D**
Options	**Available Trim & Function Designation**		**Available Finishes**
Available Options See Page 10	**Lever & Rose Trim**		**Lever & Rose Finishes**
	28-K-LL (04 Function)	28-C-LL (13 Function)	03, 04, 10, 10B, 10BE, 20D, 26D
	28-N-LL (06 Function)	28-L-LL (15 Function)	
	28-D-LL (10 Function)		
	GTB/HTB Trims & Pulls		**GTB/HTB Finishes**
	814-HTB (04 Function)		EN, ED, EAB, EB, EP
	802-GTB (10 Function) Exit Only		
	810-GTB (10 Function) Pull		
	OB Knob Trim		**OB Knob Finish**
	28-K-OB (04 Function)		26D
	28-C-OB (13 Function)		
	28-L-OB (15 Function)		
	Thumbpiece Trim		**Thumbpiece Finishes**
	814-TP (04 Function)		EN, ED, EAB, EB, EP
	866-TP (63 Function)		

SUGGESTED ARCHITECT'S SPECIFICATIONS

- All exit devices shall be of touch bar design and be operative over 2/3 of the door's clear opening width
- All exit devices must be listed under "Panic Hardware" in the Accident Equipment List of Underwriter's Laboratories, Inc. Where labeled doors are used as exits, they must be equipped with labeled Fire Exit Hardware
- All springs shall be of stainless steel
- All exit devices shall be of chassis mounted unit construction with removable cover

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

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

SARGENT®

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SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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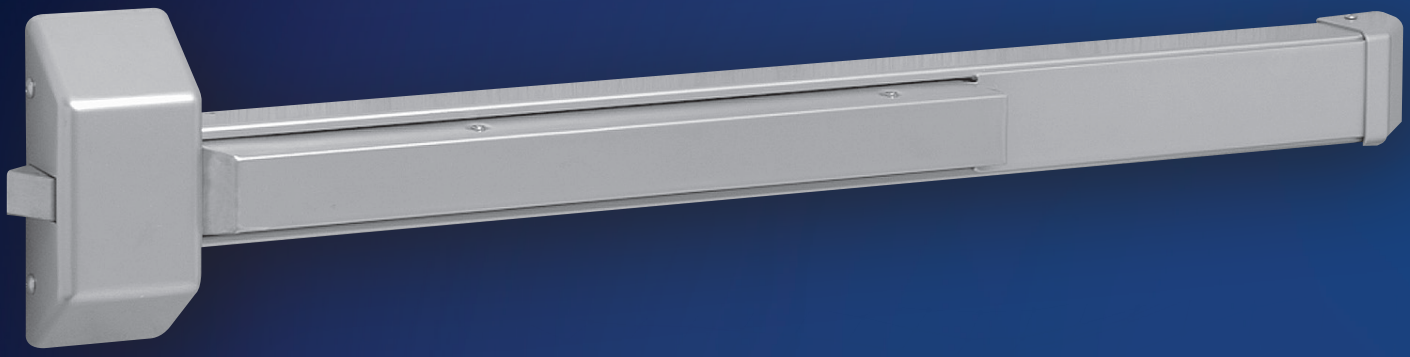
PRODUCT CATALOG

30 Series Exit Device



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and more open world

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On The Cover

SARGENT 3828 Rim Exit Device with EN Finish

⚠ WARNING

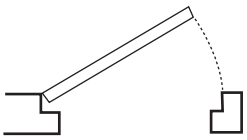
This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

Features, Applications and UL Fire Door Ratings

APPLICATIONS

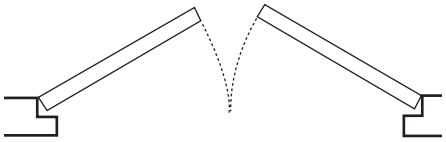
Features
- Rugged exit device in surface vertical rod and rim designs
- Chassis mounted unit construction assures easy installation and maintenance
- Tapered push rail and angled covers
- Steel endcaps and covers
- Up to five functions with a variety of trim
- All exit devices meet ANSI/BHMA Standard 156.3, Grade 1
- UL Listed
- UL Listed to Canadian safety standards
- Available as Fire Exit Hardware (12-)

Single Door



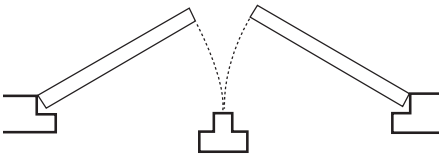
Vertical Rod Type 3727 / NB3727
Surface applied 2 / 1 point lock.
Rim Type 3828
Surface application.

Pairs of Doors without Mullion



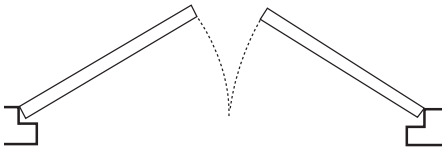
Vertical Rod Type 3727 / NB3727 - 2 Each
Surface applied 2 / 1 point locking both doors. Each door active. Do not use an overlapping astragal.

Pairs of Doors with 980 Mullion



Rim Type 3828 - 2 Each
980 Mullion - 1 Each
Two independent active doors with full double door opening when required.

Pairs of Doors without Mullion



Vertical Rod Type 3727 / NB3727 - 1 Each
Rim Type 3828 - 1 Each
Both devices are surface applied.
A coordinator is required.

Maximum Door Openings & UL Fire Door Ratings
For available functions and outside trim, see charts for regular exit device

• = Available			UL Fire Door Rating				
Application & Type	**Regular Design**	**Maximum Door Opening**	**(A) 3 Hour**	**(B) 1 1/2 Hour**	**(B) 1 1/2 Hour**	**(D) 1/2 Hour**	**(E) 3/4 Hour**
Single Doors Rim Type	12-3828	4'0" X 8'0" (1219mm X 2438mm)	•	•	•	•	•
Pair of Doors Two Surface Mounted Vertical Rod Type - Swinging in same direction	*12-3727 x *12-3727 *12-NB3727 x *12-NB3727	8'0" X 8'0" (2438mm X 2438mm)	•	•	•	•	•
Two Rim Type with 12-980 Mullion	12-3828 x 12-3828	8'0" X 8'0" (2438mm X 2438mm)	•	•	•	•	•
Two Surface Mounted Vertical Rod Type - Swinging in opposite directions	12-3727 x 12-3727	8'0" X 8'0" (2438mm X 2438mm)	•	•	•	•	•
	12-NB3727 x 12-NB3727^		•	•	•	•	•

Note: Please contact door manufacturer for specifications regarding fire door construction
*Limited for fire doors listed by UL for this use. NFPA requires an astragal on 3 hour applications. Vertical rod application will not work with astragal.
^ Thermal pins required, 2 pins per set, 1 per door.

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

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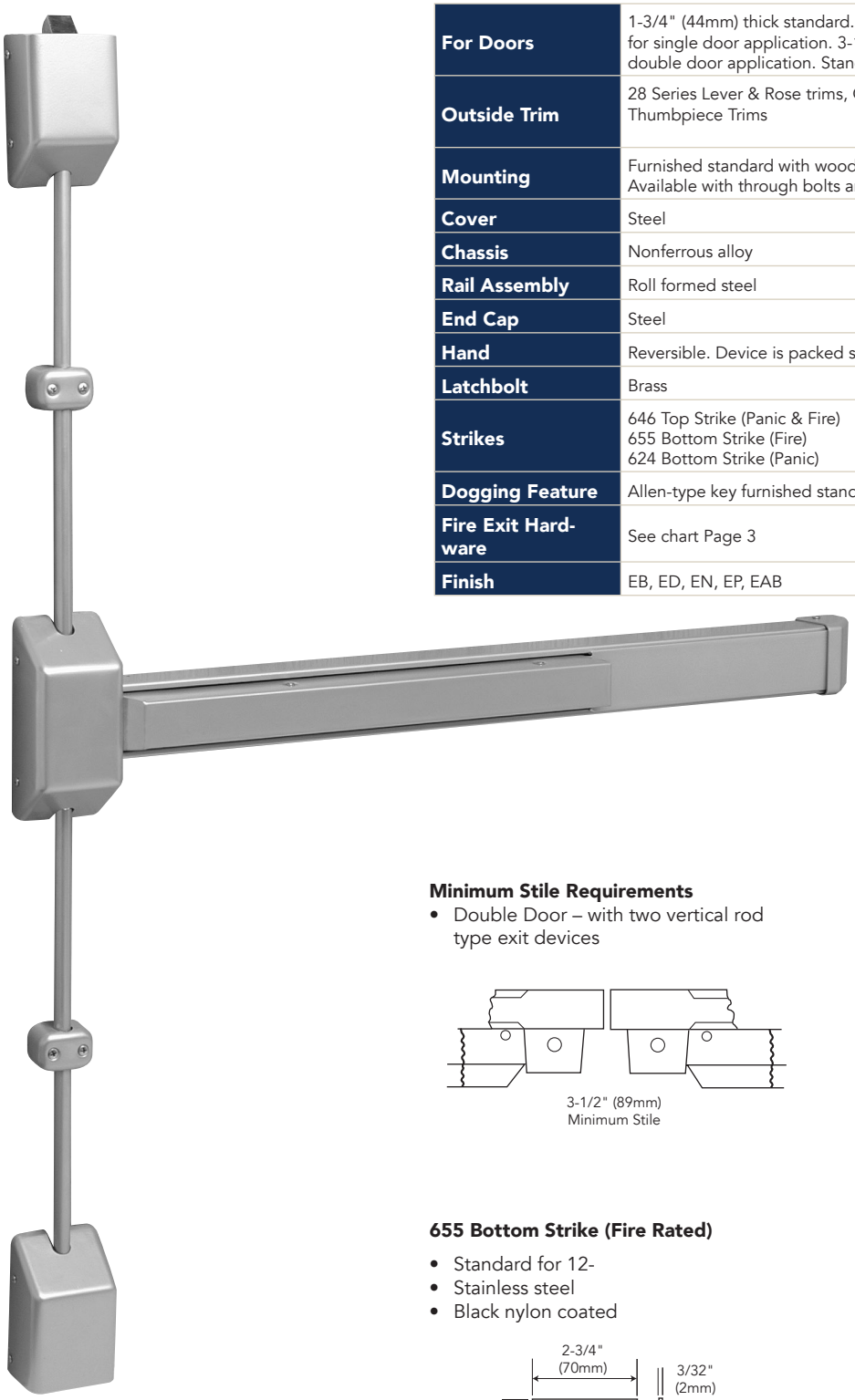
3727 / NB3727
Vertical Rod Type Exit Device



SPECIFICATIONS

For Doors	1-3/4" (44mm) thick standard. 3-3/4" (95mm) minimum stile width required for single door application. 3-1/2" (89mm) minimum stile width required for double door application. Standard AFF is 41"
Outside Trim	28 Series Lever & Rose trims, GTB/HTB Pulls & Plates, OB Knob trims & Thumbpiece Trims
Mounting	Furnished standard with wood and machine screws Available with through bolts and mortise nuts
Cover	Steel
Chassis	Nonferrous alloy
Rail Assembly	Roll formed steel
End Cap	Steel
Hand	Reversible. Device is packed standard LHRB
Latchbolt	Brass
Strikes	646 Top Strike (Panic & Fire) 655 Bottom Strike (Fire) 624 Bottom Strike (Panic)
Dogging Feature	Allen-type key furnished standard (Non Fire Rated Devices Only)
Fire Exit Hard-ware	See chart Page 3
Finish	EB, ED, EN, EP, EAB

The 3727/NB-3727 Multi-function SVR Exit Device is the perfect stocking device.

- 6 functions determined by trim selected
- Device & trim sold separately; easy to mix and match
- 4 available trim designs

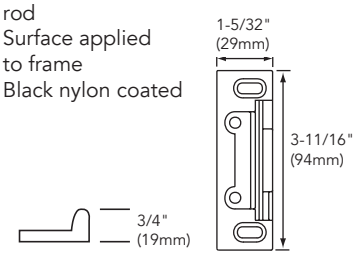
Order as an 3727 followed by rail size, opening, AFF and finish

Minimum Stile Requirements

- Double Door – with two vertical rod type exit devices

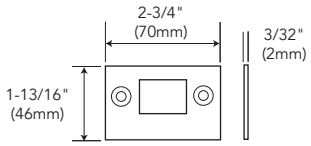
646 Top Strike

- Standard for both Panic & Fire (12-) Hardware with or without bottom rod
- Surface applied to frame
- Black nylon coated



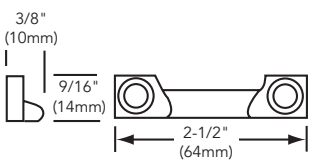
655 Bottom Strike (Fire Rated)

- Standard for 12-
- Stainless steel
- Black nylon coated



624 Bottom Strike (Panic)

- Standard for 3727
- Applied to surface of floor or to a flat threshold
- Black nylon coated



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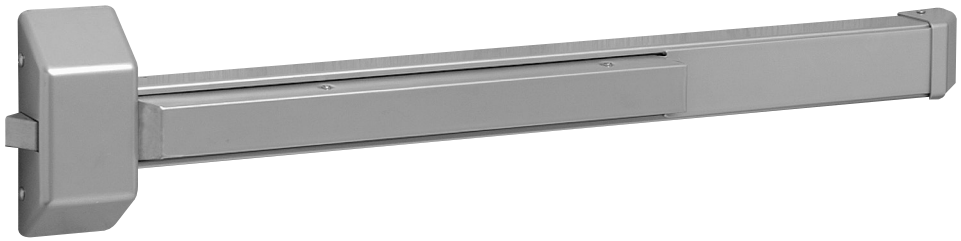
3828 Rim Type Exit Device



The 3828 Multi-function Rim Exit Device is the perfect stocking device.

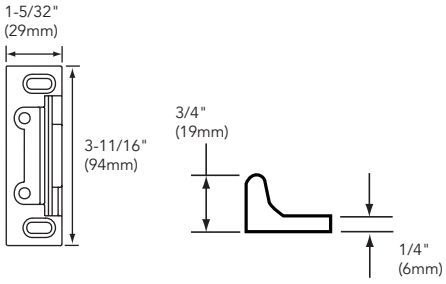
- 7 functions determined by trim selected
- Device & trim sold separately; easy to mix and match
- 4 available trim designs

Order as an 3828 followed by rail size and finish

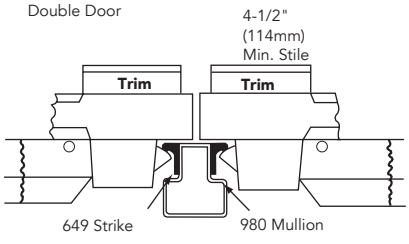
SPECIFICATIONS

For Doors	1-3/4" (44) thick standard. 4-1/2" (114mm) minimum stile width required for single or double door application using standard 649 strike
Outside Trim & Thumbpiece Trims	28 Series Lever & Rose trims, GTB/HTB Pulls & Plates OB Knob trims
Mounting	Furnished standard with wood and machine screws Available with through bolts and mortise nuts
Cover	Steel
Chassis	Nonferrous alloy
Rail Assembly	Roll formed steel
End Cap	Steel
Hand	Non handed
Latchbolt	Stainless steel 3/4" (19mm) throw
Strike	649 packed standard
Dogging Feature	Allen-type key furnished standard (non fire rated devices only)
Fire Exit Hardware	See chart Page 3
Finish	EB, ED, EN, EP, EAB

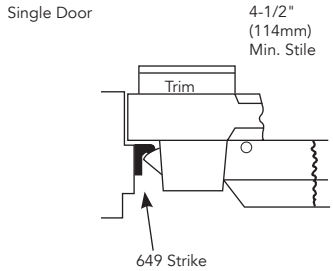
649 Strike



Minimum Stile Requirements



Minimum Stile Requirements



- Surface applied
- Standard & Fire Rated
- Strikes are black nylon coated

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30 Series Trims

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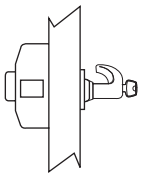
The trim function determines the function of the exit device. All 28 Series trims work with all 30 Series Exit Devices, except where noted.
Note: All trims and exit devices are ordered and packaged separately.

28 Series Lever & Rose Trim for 3727/3828 Series Exit Devices

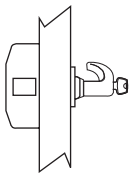
Lever & Rose Trim
- For 1-3/4" (44mm) doors only
- Functions available for 04, 06, 10, 13 & 15
- Not handed
- Finishes: 03, 04, 10, 10B, 10BE, 20D, 26D, BSP & WSP
- Lever designs available: "L", "B", "P"

To order specify 28 followed by the function Trim will not retrofit on devices purchased prior to 2000. Consult factory. (K, N, D, C or L), the rose (L), the lever (L, B or P) and finish

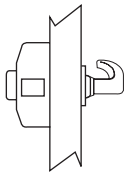
Example: 28-K-LL x 26D



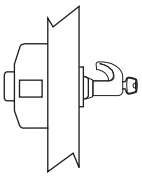
28-K-LL
Night Latch
Key in lever retracts latchbolt.
04 Function
For 3828 only
(ANSI 03)



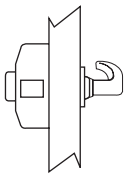
28-N-LL
Night Latch
Lever operates only when key is in cylinder and turned.
06 Function
(ANSI 09)



28-D-LL
Dummy
Lever rigid at all times & no outside function.
10 Function
(ANSI 02)

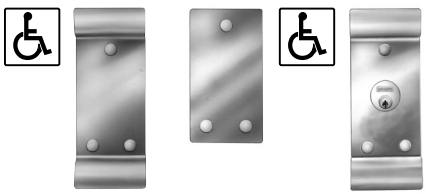


28-C-LL
Entrance
Key in lever locks or unlocks lever.
13 Function
(ANSI 08)



28-L-LL
Passage
Latchbolt operated by lever.
No Cylinder
15 Function
(ANSI 14)

28 SERIES GTB/HTB PULLS & PLATES FOR 3727/3828 SERIES EXIT DEVICES

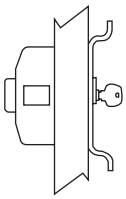


810-GTB 802-GTB 814-HTB

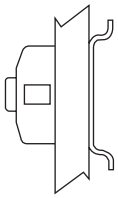
- For 1-3/4" (44mm) doors standard
- Through-bolted with 3 mortise nuts
- Pulls project 1-1/2" (38mm) from door face
- GTB Design trim will cover a 161 cutout
- Trim ordered separately.
- Finishes: EN, EB, ED, EP & EAB
- For cylinder operation only with no trim (Specify 3828 x 34 rim cylinder x Finish)

To order specify: trim design and finish

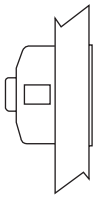
Example: 814-HTB x EN



814-HTB
Night Latch
Outside by pull and key. (3828 only)
04 Function
(ANSI 03)



810-GTB
Exit Only with Pull
Outside pull when push bar is locked down.
10 Function
(ANSI 02)



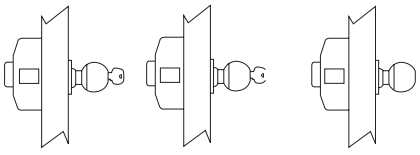
802-GTB
Exit Only
Blank plate to cover 161 cutout.
10 Function
(ANSI 01)

28 SERIES OB KNOB TRIM FOR 3727/3828 SERIES EXIT DEVICES

- For 1-3/4" (44mm) doors only
- Functions available for 04, 13 and 15
- Non-handed
- Finishes: 26D

To order specify 28 followed by the function (K, C or L), the rose (O), the knob (B) and finish

Example: 28-K-OB x 26D



28-K-OB
Night Latch
Key in knob retracts latchbolt.
3828 only
04 Function
(ANSI 03)

28-C-OB
Entrance
Key in knob locks or unlocks knob.
13 Function
(ANSI 08)

28-L-OB
Passage
Latchbolts operated by knob.
No Cylinder
15 Function
(ANSI 14)

28 SERIES THUMBPIECE TRIM FOR 3727/3828 SERIES EXIT DEVICES

- Finishes: EN, EB, ED, EP & EAB

***1 3/4" Door Only**

866-TP
Key locks or unlocks thumbpiece.
(63)

814-TP
Key retracts latchbolt.
(3828 ONLY)
(04)

To order specify: trim design and finish

Example: 866-TP x EN

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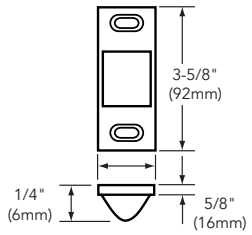
Alternate Strikes and Shim Kits

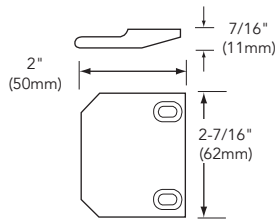
ALTERNATE STRIKES

613 Strike (Alternative for 3828)



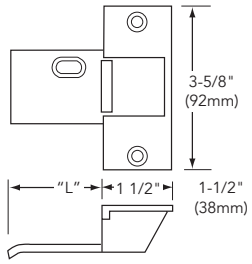
Half mortised. Nylon coating on face plate only. Minimum stile 4". When ordered separately, specify finish.

644 Strike (Alternative for 3828)



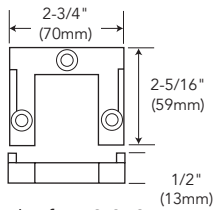
Surface applied. For use on pair of doors without mullion. Specify outside finish when ordered separately.

642 Strike (Alternative for 3828)



Full mortised Dimension "L" equals door thickness plus 1/2" (13mm).

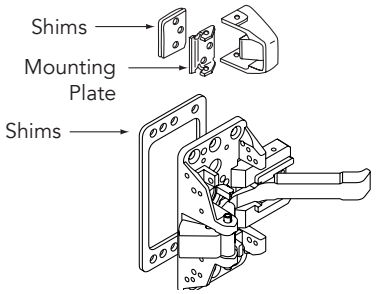
653 Bottom Strike
(Alternate for 12-3727)



Available on order for 12-3727. For use with 1/2" (13mm) high threshold. Cut threshold to fit strike. Stainless steel. Furnished with expansion shields.

GLASS BEAD SHIM KITS

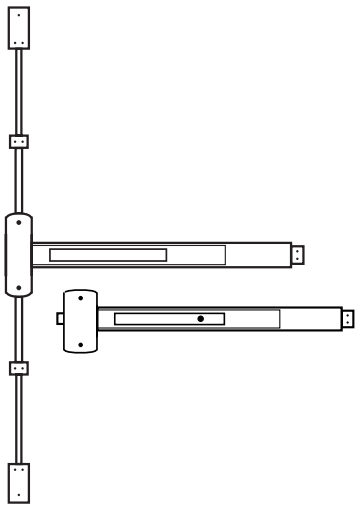
558 for 3828 and 12-3828 Exit Devices
559 for 3727 and 12-3727 Exit Devices
Note: When ordering shim kits for exits with outside trim, spindle length, thumbpiece length and through bolt length must be increased accordingly.
(2 pieces 1/8" shim supplied. 1/4" total.)



THROUGH BOLT (TB) APPLICATIONS

Device	Door Thickness	*Ordering Number
3727	1-3/4" (44mm) 2-1/4" (57mm)	28-2031 28-2032
12-3727	1-3/4" (44mm) 2-1/4" (57mm)	28-2078 28-2088
3828 & 12-3828	1-3/4" (44mm) 2-1/4" (57mm)	28-2024 28-2025

*Specify finish



Through bolts and mortise nuts are furnished in a pack along with the appropriate instruction sheet for device ordered.
To order through bolts and mortise nuts with an exit device, add suffix TB to trim pack.
Example: 3727 x TB x EN
Available finishes: EB, EN, ED, EAB
To order through bolts and mortise nut packs separately, see chart above.

ROD REPLACEMENT KITS

Product	Top Rod Kit ++	Bottom Rod Kit +++
3700+	672T	672B

\+ Finish Information Required
++ Door Height & Rail Location Required
+++ Rail Location Required

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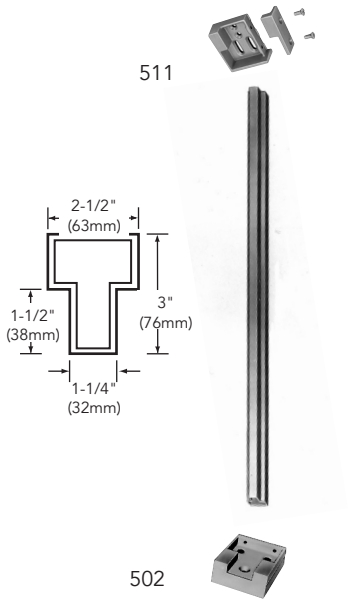
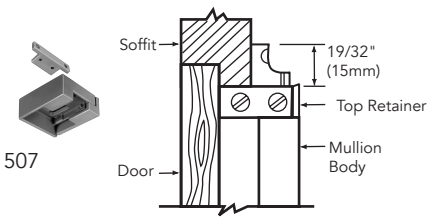
Mullions and Door Kits

980 Removable Mullion
980 Extruded Aluminum (prime coat)
980A Aluminum (US28)
Consists of:
- Mullion
- 511 Top Retainer
- 502 Bottom Retainer
- 86" (2184mm) stock size; 120" (3000mm) available



507 Adapter for Narrow Transom Bars
- Available with 980 and 980A
- Required when soffit is 1-1/4" (32mm) to 2" (51mm) wide



12-980 Mullion (96" maximum)
For 12-3828
2" x 3" Channel Iron. Malleable iron top and bottom retainers.
- 86" (2184mm) stock size; 120" (3000mm) available
- Fire rating is valid only up to 96" (2438mm)
- Mullions longer than 86"(2184mm) must be ordered as 12- option x 120" (3000mm length and cut to size in the field.

Top Retainer Shim Kit - 601

543 Stock Hollow Metal Door Kit
Kit consists of a 649 Strike Shim, a 161F Lock Front Filler, and a 86S Strike Filler for applying a 3828 Series Exit Device on doors prepared with Fed. Type 161 cutouts, and frames prepared for ANSI A115-2 Strikes. The 649 strike shim is 1/8" (3mm) thick and is used to obtain the correct distance between the exit device case and the 649 surface applied strike, when the stop is 1/2" (13mm) high.

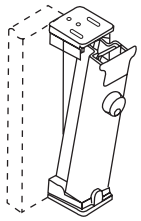
649 Strike Shim

161 Lock Front Filler

86S Strike Filler

Note: For complete Listing of available mullions, see the 80 Series Catalog

L980 Lockable Mullion



- Aluminum Prime Coat
- Specify: "L980A"Anodized Aluminum
  Specify: "L980A x10B" for 313AN to match 10B
- Used for non fire rated applications
- 86" (2184mm) stock size
- 120" (3000mm) available
- Standard #41 cylinder (1-1/8")
- Cylinder options: Signature, XC-, Schlage Keyways SC- & SE- available
- Wall Mount Kit 98-2578
- Top Ret Pack 98-2526
- Bottom Ret Pack 98-2525
- Cylinder Kit must be ordered separately (980C1)

SM980S Split Mullion
- Steel
- Panic Rated
- Gray Paint finish
- Hassle-free transportation with a 30% smaller packaging size
- 96" (2438 mm) Stock Size

SML980S Lockable Split Mullion
- Steel
- Panic Rated
- Gray Paint finish
- Hassle-free transportation with a 30% smaller packaging size
- 96" (2438 mm) Stock Size
- #41 cylinder standard (#42 & #43 available)
- Cylinder options: Signature, XC-, Schlage

Keyways SC- & SE- available
- Top Retainer Shim Kit - 601
- Cylinder Kit must be ordered separate
- 980C1 - Available in 32D and 108 finish)

SMEL980
- Steel
- For use with monitor or electric strikes
- Quick-Connect wiring supplied
- 96" (2438 mm) Stock Size
- Requires a #46 cylinder
- Top Retainer Shim Kit - 601
- Not available in 12- option
- Cylinder Kit must be ordered separate (980C2 - Available in 32D and 108 finish)

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Mullions and Door Kits

12-L980 Lockable Mullion
- Steel
- Fire rated for 8'0" x 8'0" (2438mm x 2438mm) paired openings
- 86" (2184mm) Stock Size
- Fire rating is valid only up to 96" (2438mm)
- Mullions longer than 86"(2184mm) must be ordered as 12- option x 120" (3000mm) length and cut to size in the field.
- #41 cylinder standard
- Cylinder options: Signature, XC-, Schlage Keyways SC- & SE- available
- Top Retainer Shim Kit - 601
- Cylinder Kit must be ordered separately (980C1)

EL980 Electric Lockable Mullion
- Steel
- For use with monitor or electric strikes
- Quick-Connect wiring supplied
- 86" (2184mm) stock size
- 120" (3000mm) available
- Requires a #46 cylinder
- Top Retainer Shim Kit - 601
- Not available in 12- option
- Cylinder Kit must be ordered separately (980C2)

Mullion Accessories
RK980
Latchbolt assembly retrofit kit with top and bottom retainers for 980 mullion

Retainer Packs

Product #	Description
98-2526	Top Ret. pack for L980
98-2525	Bottom Ret. pack for L980
98-2558	Top Ret. pack for 12-L980
98-2556	Bottom Ret. pack for 12-L980, EL980,SMEL980
98-2559	Top Ret. pack for EL980, SMEL980

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Mechanical and Cylinder Options

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Mechanical Options:

Note: Mechanical Options are available for Exit Devices only

Fire Rated	**12-**	UL Fire Label Exit hardware (not available with 16- & HK-)
Dogging Options	**16-**	Cylinder Dogging (Non Fire Rated Devices Only)
	LD-	Less Dogging (Non Fire Rated Devices Only)
Electrical Options	**55-**	Request to Exit - Signal Switch in Rail
Top Rod Only	**NB-**	Less Bottom Rod (Available for 3727 Devices)

Cylinder Options:

Note: Cylinder Options are available for 16- Exit Devices and 04, 06 & 13 function trims

	Code	Description	Lever Trim	Knob Trim	GTB-HTG-Thumbpc Trim	Rail - 16-Cyl Dogging
Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (bump resistant with patented keys)	X	X	X	X
	DG1-21-	Degree Level 1 Construction Master Keying	X	X	X	X
	DG1-60-	Degree Level 1 Removable Disposable Construction Core	X		X	X
	DG1-63-	Degree Level 1 Removable Core	X		X	X
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC	X		X	X
	DG2-	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)	X	X	X	X
	DG2-21-	Degree Level 2 Construction Master Keying	X	X	X	X
	DG2-60-	Degree Level 2 Removable Disposable Construction Core	X		X	X
	DG2-63-	Degree Level 2 Removable Core	X		X	X
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC	X		X	X
	DG3-	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)	X	X	X	X
	DG3-21-	Degree Level 3 Construction Master Keying	X	X	X	X
	DG3-60-	Degree Level 3 Removable Disposable Construction Core	X		X	X
	DG3-63-	Degree Level 3 Removable Core	X		X	X
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC	X		X	X
Signature Key System	**10-**	SARGENT Signature Key System	X	X	X	X
	10-21-	SARGENT Signature Construction Key System (Lost Ball)	X	X	X	X
	10-63	SARGENT Signature LFIC (Removable Core) Cylinder	X		X	X

Note: For cylinder options not shown, please contact factory for availability
Note: For V-10 Cylinders and information, contact ASSA

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Cylinder Options

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	Code	Description	Lever Trim	Knob Trim	GTB-HTG-Thumbpc Trim	Rail - 16-Cyl Dogging
XC- Key System	**11-**	XC Key System (not available with other key systems unless specified)	X	X	X	X
	11-21-	XC- Construction Key System (Lost Ball)	X	X	X	X
XC- Large Format Interchangeable Core	**11-60**	Hardware to accept XC- Permanent LFIC (Removable core), Disposable plastic Core- provided	X		X	X
	11-63	Hardware provided with XC- LFIC (Removable core) Cylinder - (includes masterkeying, grand masterkeying)	X		X	X
	11-64	Hardware provided with Keyed construction core to accept XC-LFIC (Removable) Permanent core (ordered separately)	X		X	X
XC- Interchangeable Cores	**11-70-7P**	Lock to accept XC- SFIC (7-Pin) XC- Permanent cores, plastic disposable core provided	X		X	X
	11-72-7P	Lock to accept XC- SFIC (7-Pin Keyed Construction core provided) cylinder Permanent core ordered separately	X		X	X
	11-73-7P	Lock supplied with XC- Small Format 7-Pin interchangeable core (includes masterkeying, grand masterkeying)	X		X	X
	11-65-73-7P	Lock provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) core - (packed loose)	X		X	X
Large Format Interchangeable Core	**60**	Hardware to accept SARGENT Permanent LFIC (Removable core), Disposable plastic core provided (Permanent cores ordered separately)	X		X	X
	63	Hardware provided with LFIC (Removable core) Cylinder - (includes masterkeying, grand masterkeying)	X		X	X
	64	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent core (ordered separately)	X		X	X
Interchangeable Cores	**70**	Lock to accept 6- or 7-Pin SFIC Permanent cores, plastic disposable core providec	X		X	X
	72	Lock to accept 6- or 7-Pin SFIC (Keyed Construction core provided) Cylinder (Permanent core ordered separately)	X		X	X
	73	Lock supplied with 6-Pin SFIC (includes masterkeying, grand masterkeying)	X		X	X
	65-73	Lock provided to accept Uncombinated 6-Pin SFIC (Permanent) core - (packed loose for field keying)	X		X	X
	65-73-7P	Lock provided to accept Uncombinated 7-Pin SFIC (Permanent) core - (packed loose for field keying)	X		X	X
	73-7P	Lock supplied with Small Format 7-Pin Interchangeable core (includes masterkeying, grand masterkeying)	X		X	X
Keso & Keso F1	**80**	Lock to accept Keso and Keso F1 cylinders - no cylinders provided			X	X
	81	Cyl to accept Keso and Keso F1 - Removable cores - no core provided			X	X
	82	Lock provided with SARGENT Keso Security Cylinder			X	X
	F1-82	Lock provided with SARGENT Keso F1 Security Cylinder (Patented)			X	X
	83	SARGENT Keso Security Removable Core Cylinder (for existing systems only)			X	X
	84	SARGENT Keso Security Removable Construction Core Cylinder			X	X
Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)	X	X	X	X
Bump Resistant	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)	X	X	X	X
Less Cylinder	**LC-**	Less Cylinder	X	X	X	X
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted	X	X	X	X
	SE-	Schlage E keyway cylinder, 0 bitted	X	X	X	X
	SF-	L lever to accept Schlage large format interchangable core (supplied less core, tailpiece included)	X			

Note: For cylinder options not shown, please contact factory for availability
Note: For V-10 Cylinders and information, contact ASSA

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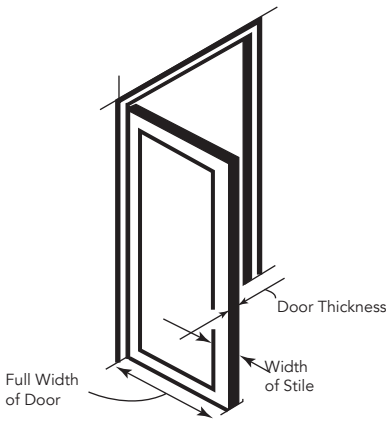
Ordering Information, Rail Sizes and Finishes

Check List for Ordering
Indicate the following door and frame information:

- Single doors, or pair of doors with mullion, or pair of doors without mullion
- Door and frame material
- Dimensions:
  - Door opening width
  - Stile width
  - Door thickness
  - Stop height

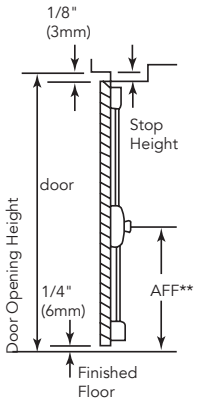
Example: Single Door x Hollow Metal Frame 36" x 5" x 2-1/4" x 1/2"

- If Vertical Rod Devices also indicate:
  - Mounting height
  - Door opening height
  - Threshold height
  - If no threshold is used, so state
  - Unless threshold information is indicated, exit device will be furnished for use without threshold
- Mullion stock size is 96" (2438mm); 120" (3000mm) available
- In ordering templates for hollow metal doors and/or frames, state job name on template order. Give template order number or template numbers on hardware order



Stock Rail Sizes Available

E	For doors	24" through 32"	61cm through 81cm
F	For doors	33" through 36"	82cm through 91cm
J	For doors	37" through 42"	94cm through 107cm
G	For doors	43" through 48"	109cm through 122cm



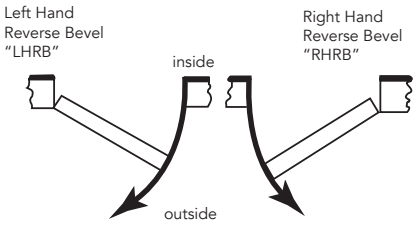
Finishes available with Lever & Rose Trim and OB Knob Trim

SARGENT Designation	ANSI/BHMA Designation	Finish Description
03	605	Bright brass, clear coated
04	606	Satin brass, clear coated
10	612	Satin bronze, clear coated
10B	613	Dark oxidized satin bronze, oil rubbed
10BE	613E	Dark oxidized satin bronze, equivalent
20D	624	Statuary bronze dark powder coated
26D	626	Satin chromium plated
BSP	—	Black Suede Powder Coat
WSP	—	White Suede Powder Coat

Finishes available with Exit Devices, GTB Trims & Thumbpiece Trim

SARGENT Designation ANSI/BHMA Designation	ANSI/BHMA Designation Finish Description	Finish Description SARGENT Designation
EB	690	Sprayed bronze enamel or polyester powder coated to match finish 10B
ED	693	Sprayed black enamel or polyester powder coated to match finish 20D
EN	689	Sprayed aluminum enamel or polyester powder coated
EP	691	Sprayed bronze enamel or polyester powder coated to match finish 10
EAB	696	Brass enamel or polyester powder coated to be used with brass finishes

** AFF: Above Finish Floor or Threshold; Required information for 3727 Devices. Standard mounting height 41" (104mm) above finished floor to centerline of device or 38" (965mm) above finished floor to centerline of device for elementary schools.



Packaging

Product	Avg. WT	Case
Exit with trim	15 lbs.	1 ea
980 mullion	18 lbs.	1 ea
12-980 mullion	40 lbs.	1 ea
SM980S Split Mullion	40 lbs.	1 ea

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Architectural Specifications and How To Order

How to order 3727/3828 Multi-function Exit Devices:

Specify the following for 3727 Devices:					
Options	**Series**	**Rail**	**Opening**	**AFF**	**Finish**
11-NB-	3727	F	84"	41"	EN

Specify the following for 3828 Devices:			
Options	**Series**	**Rail**	**Finish**
11-16-	3828	F	EN

- All trims and functions listed on this page, work with 3727 & 3828 Exit Devices, except where noted
- Available Options listed on Page 10

How to order Trim for 3727 & 3828 Exit Devices (Exit Device Sold Separately)

Example:

11-	28-C-LL		26D
Options	**Available Trim & Function Designation**		**Available Finishes**
Available Options See Page 10	**Lever & Rose Trim**		**Lever & Rose Finishes**
	28-K-LL (04 Function)	28-C-LL (13 Function)	03, 04, 10, 10B, 10BE, 20D, 26D
	28-N-LL (06 Function)	28-L-LL (15 Function)	
	28-D-LL (10 Function)		
	GTB/HTB Trims & Pulls		**GTB/HTB Finishes**
	814-HTB (04 Function)		EN, EB, ED, EP, EAB
	802-GTB (10 Function) Exit Only		
	810-GTB (10 Function) Pull		
	OB Knob Trim		**OB Knob Finish**
	28-K-OB (04 Function)		26D
	28-C-OB (13 Function)		
	28-L-OB (15 Function)		
	Thumbpiece Trim		**Thumbpiece Finishes**
	814-TP (04 Function)		EN, EB, ED, EP, EAB
	866-TP (63 Function)		

Suggested Architect's Specifications

- All exit devices shall be of touch bar design and be operative over 2/3 of the door's clear opening width
- All exit devices must be listed under "Panic Hardware" in the Accident Equipment List of Underwriter's Laboratories, Inc. Where labeled doors are used as exits, they must be equipped with labeled Fire Exit Hardware
- All springs shall be of stainless steel
- All exit devices shall be of chassis mounted unit construction with removable cover

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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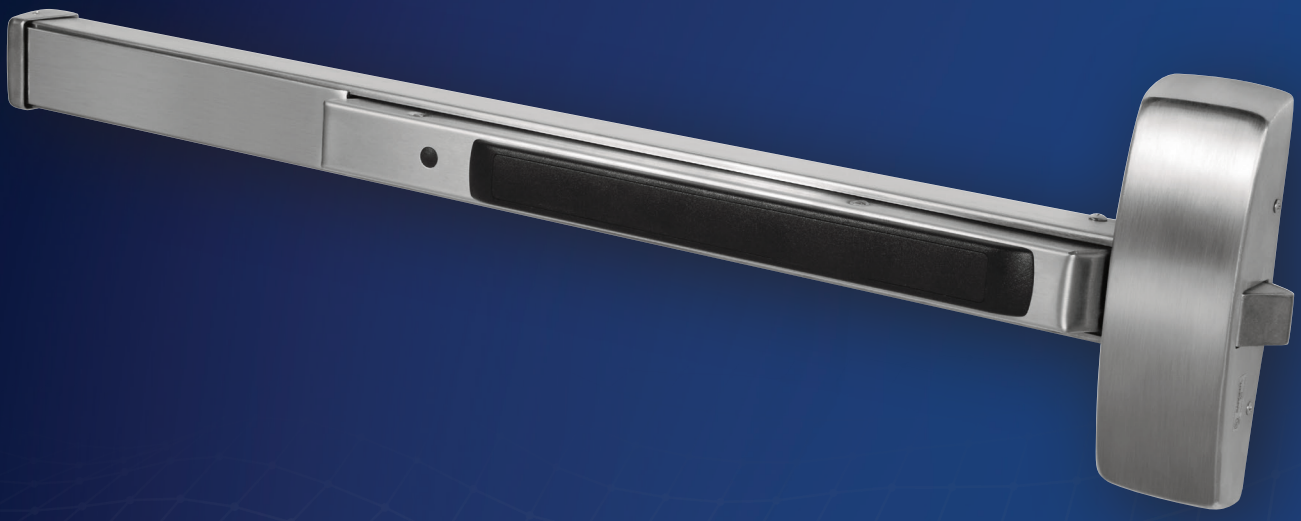
PRODUCT CATALOG

80 Series Exit Device



Experience a safer
and more open world

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⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

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Features and Innovations

SARGENT manufactures a full line of exit devices including vertical rod, rim and mortise for both standard and narrow stile doors. These devices provide the best combination of simplicity, strength, durability, aesthetics and innovation and are perfect for applications such as commercial office buildings, medical and educational institutions.

SIMPLICITY

- Easy installation and maintenance-free design
- "True" architectural hardware finishes consistent with BHMA/ANSI standards
- Few moving parts – less wear
- Modular construction

STRENGTH & DURABILITY

- Made of finest component materials
- Heavy duty mounting construction
- Built to withstand abusive conditions
- 5 Year warranty

HURRICANE-RESISTANT PRODUCTS AND CERTIFICATIONS

- UL Certified Latching Hardware and Assemblies (ZHEM & ZHLL)
- Product-specific detailed certifications and listings
- Available with Rim, Mortise, SVR & CVR devices

INNOVATION

- Broad offering of electro-mechanical solutions for the most demanding access/egress control applications
- **MicroShield®** anti-microbial finish coating offers a new level of protection
- **SARGuide™** exit device contains an electroluminescent touchpad to enhance the visibility of exit locations in dark or smoke-filled passages and effectively improve the safety of any public building
- CTL (Center and Top Latching) Vertical Rod Devices offer less bottom rod convenience with true center latching for added security

SECURITY

- Double cylinder functions available
- Torx® and spanner screws
- Anti-vandal trim options
- Master keying with SARGENT Security Key systems available (Signature, Keso F1, Keso and XC)

ECOFLEX®

- Reduces energy consumption up to 95% for exit trim, as certified by Green Circle, which lowers operating costs; assists with load reduction in optimizing energy performance credit in LEED, and reduces the number of power supplies requires.
- Field configurable to fail-safe or fail-secure, and operates from 12-24VDC, offering greater flexibility in system design.
- Innovative actuator design provides superior reliability through higher performance and reduced maintenance; the ability to have longer cable runs without negatively impacting lock function. It reduces the risk of voltage drops and eliminates inductive kickback, and lowers the total cost of owner ship.

MICROSHIELD® COATING

MicroShield®
ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of the respective ASSA ABLOY Group company.

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

SARGUIDE

The PL- SARGuide Photoluminescent Exit Device is a non electrical option which produces visible EXIT signage in darkness or low lit areas.

- Approved for use in New York City in accordance with RS 6-1 and RS 6-1A.
- Recharges from ambient light.
- No wiring or maintenance needed.

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UL Fire Door Ratings and Openings Sizes

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MAXIMUM DOOR OPENING-FIRE DOORS

Type	Exit Device	Door Material	Single Door	with 12-HC980 or 12-980 or 12-HCL980 Mullion	with 12-L980	with 12-HD980 Mullion	VR/VR Doors Swing Same Direction	SVR/ Mortise Doors Swing Same Direction	CVR/ Mortise MD Doors Swing Same Direction	CVR/ Mortise WD Doors Swing Same Direction	VR/VR Double Egress
Rim	12-8800	Metal	3 Hour 4′ x 10′	3 Hour 8′ x 8′	1.5 Hour 8′ x 8′	3 Hour 8′ x 10′	—	—	—	—	—
	12-8500	Metal	3 Hour 4′ x 8′	3 Hour 8′ x 8′	1.5 Hour 8′ x 8′	3 Hour 8′ x 8′	—	—	—	—	—
Mortise Lock	12-8900	Metal	3 Hour 4′ x 10′	—	—	—	—	3 Hour 8′ x 8′	3 Hour 8′ x 10′	—	—
	12-8300	Metal	3 Hour 4′ x 10′	—	—	—	—	—	3 Hour 8′ x 10′	—	—
SVR	12-FM8700	Metal	3 Hour 4′ x 8′	—	—	—	3 Hour 8′ x 8′	—	—	—	—
	12-8700	Metal	—	—	—	—	3 Hour 8′ x 8′	3 Hour 8′ x 8′	—	—	3 Hour 8′ x 8′
	12-NB8700	Metal	—	—	—	—	3 Hour 8′ x 10′	—	—	—	3 Hour 8′ x 10′
CVR	12-MD8600	Metal	—	—	—	—	3 Hour 8′ x 10′	—	3 Hour 8′ x 10′	—	3 Hour 8′ x 10′
	12-NB-MD8600	Metal	—	—	—	—	3 Hour 8′ x 10′	—	—	—	3 Hour 8′ x 10′
	12-MD8400	Metal	—	—	—	—	3 Hour 8′ x 10′	—	3 Hour 8′ x 10′	—	3 Hour 8′ x 10′
	12-NB-MD8400	Metal	—	—	—	—	3 Hour 8′ x 10′	—	—	—	3 Hour 8′ x 10′
CVR/Mortise	12-LS8600	Metal	3 Hour 4′ x 10′	—	—	—	—	—	—	—	—
	12-LP8600 & 12-LR8600	Metal	—	—	—	—	3 Hour 8′ x 10′	—	—	—	3 Hour 8′ x 10′

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

Notes:

- Please contact door manufacturer for specifications regarding fire door construction.
- Consult wood door manufacturers for current UL listing.

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Windstorm Certifications

WINDSTORM CERTIFICATIONS: FLORIDA BUILDING CODES & UL LISTINGS

SARGENT Manufacturing's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 80 Series lock.

FLORIDA BUILDING CODE: FL2998
UL CERTIFICATION DIRECTORY: ZHEM.R21744 – LATCHING HARDWARE

ANSI/SDI-BHMA A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ANSI/ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the "Florida Building Code"

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

UL CERTIFICATION DIRECTORY: ZHLL.R21744 – PRODUCTS FOR USE IN WINDSTORM-RATED ASSEMBLIES

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
AAMA/WDMA/CSA 101/I.S.2/A440	"Standard/Specification for Windows, Doors, and Unit Skylights"
FEMA Publication 320 (2021)	"Taking Shelter From the Storm: Building a Safe Room for Your Home or Small Business", investigated with respect to impact and pressure requirements only.
FEMA Publication 361 (2021)	"Design and Construction Guidance for Community Safe Rooms", investigated with respect to impact and pressure requirements only.
ICC 500 (2014/2020)	"ICC/NSSA Standard for the Design and Construction of Storm Shelters", investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. The information below correlates design wind speed to the minimum missile speeds as discussed in Table 305.1.1 of ICC 500

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

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8888/8810 Multi-Function Rim Exit Device and Trims

8888/8810 MULTI-FUNCTION EXIT DEVICE AND TRIM

- Device & trim sold separately; easy to mix and match
- Designed for standard width stile applications on wood and metal doors
- 7 functions available as determined by the trim function
- 3 trim designs available:
  - 700 ET Controls
  - 88 Lever & Rose trim
  - Pull trims
- Single and double door applications with a mullion

The 8888/8810 Rim Exit Device
- ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) Listed
- Device is non-handed
- ANSI/BHMA architectural finishes
- Four standard sizes available

To Order: Specify options, 8888 or 8810, Rail Size and Finish
Example: 12-19-8888F x 32D

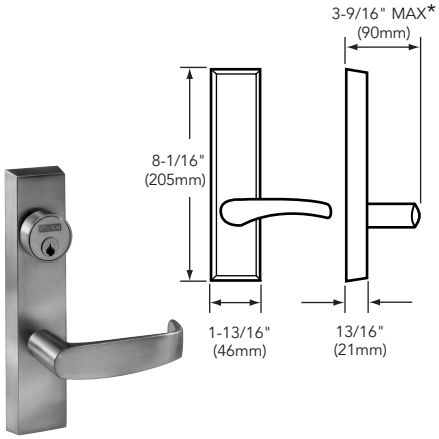
Specifications

Door Type	Wood or metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Stile	4-1/2" (114mm) minimum stile width
Mounting	Supplied standard with wood and machine screws Available with through-bolts and mortise nuts
Chassis Cover	Cold drawn stainless steel, brass or bronze with ANSI/BHMA Finishes
Chassis	Nonferrous alloy (Panic) Ferrous alloy (Fire Rated)
Rails	Roll Formed Stainless Steel, Brass or Bronze with ANSI/BHMA Finishes
Hand	Non-handed
Dogging Feature (Non 12- only)	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Latchbolt	Stainless steel, 3/4" (19mm) throw
Strike	649 Strike supplied standard for panic & fire rated openings
Fire Exit Hardware	See chart - Page 6

700 Series ET Control

The 700 Series ET Control is sold separately from the exit device and can be used with 8888 & 8810 Exit Device. The trim is non handed and is through-bolted to the chassis for greater security and durability. Available in 7 functions and SARGENT Studio, Coastal and standard lever designs to accommodate most requirements.

- ANSI/BHMA Finishes
- Easy operating lever handle allows convenient one hand operation
- ET trim is not available in 32 or 32D
- Stainless steel levers are available



Rail Chart
- Rails are available in 4 sizes, use door width to determine size needed.
- Rails will be factory cut to size if door width is supplied or can be cut in the field

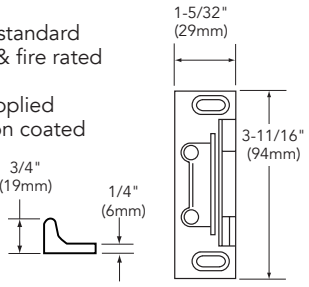
Stock Size	Door Widths	Remarks
E	24" to 32" (61cm to 81cm)	No cutting required for 32" (81cm) door
F	33" to 36" (84cm to 91cm)	No cutting required for 36" (91cm) door
J	37" to 42" (94cm to 107cm)	No cutting required for 42" (107cm) door
G	43' to 48" (110cm to 122cm)	No cutting required for 48" (122cm) door

88 Lever and Rose Trim
- The 88 Lever and Rose Trim is sold separately from the exit device and can be used with 8888 & 8810 Exit Device.
- The trim is non handed and is through-bolted to the chassis for greater security and durability. Available in 4 functions and 4 lever designs to accommodate most requirements.

LB
ROSE: L
LEVER: B

688 Trim Retrofit Kit
- 688 Trim Retrofit kit allows an 8810/8888 rim exit with an ET to replace Von Duprin's 98/99 series exit with trim with minimal door prep.
- Order as: 688 Kit

649 Strike
- Supplied standard for panic & fire rated openings
- Surface applied
- Black nylon coated



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8888/8810 Multi-Function Rim Exit Device and Trims

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How to order 8888/8810 Multi-Function Exit Devices:
Specify the following:

Options	Series	Rail	Finish
16-	8888 or 8810	F	32D

- All trims and functions listed on this page, work with 8888 & 8810 Exit Devices
- Available options listed at the right
- 8888 & 8810 are identical products and are non-handed
- Exit devices are not available in 14, 15, 26 and 26D finishes

How to order trim for 8888 & 8810 Exit Devices:
Specify the following:

Options	Trim Designation	Hand	Finish
10-	713-8 ET_*	RHR	26D
10-	88-CL_ *	Non-Handed	10B
60-	814-MSL	RHR	04

*Specify lever design
Available Options listed at the right

Options

Exit	Trim
12- *16- 19- 43- 5CH- GL- CPC- LC- LD- PL-	10- 11- 11-70- 11-72-7P- 11-73-7P- 21- 60- 63- 64- +70- +72- +73- +73-7P- +65-73- +65-73-7P- BR- LC- SC- SE- ++ SF- *** SG-

* Supplied with standard 41 cylinder, for cylinder options, see trim options

** Only available with 15, 26D and 32D finishes

\+ Single crossed options are not available with 88 Lever & Rose Trim with J Lever

++ Double Cross options are only available with 88 Lever & Rose Trim

700 Series ET Trim

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	Trim Designations
04	03	Night Latch, Key Retracts Latch, #34 Cylinder Supplied	704 ET_ x Hand & Finish
10	02	No outside operation (No Cylinder), ET Control is used as Pull Only	710 ET_ x Hand & Finish
13	08	Key Outside Unlocks/Locks Trim, #41 Cylinder Supplied	713-8 ET_ x Hand & Finish
15	14	Passage Only (No cylinder)	715-8 ET_ x Hand & Finish
40	02	Freewheeling Trim - No outside operation, (No Cylinder) Dummy Trim	740 ET_ x Hand & Finish
43	08	Freewheeling Trim - Key Outside Unlocks/ Locks Trim, #41 Cylinder Supplied	743-8 ET_ x Hand & Finish
44	03	Freewheeling Trim - Key Retracts Latch, #34 Cylinder Supplied	744 ET_ x Hand & Finish

Note: ET trim is not available in 32 (629) or 32D (630)

700 Series ET Controls
To order: Specify options followed by trim designation, lever design, hand and finish (as shown to the right).
Example: 11-SG-713-8 x RHR x 10B

Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

ANSI Function Numbers	Description	Trim Designations
03	Key Retracts Latch, Cylinder Supplied	88-KL_ x Finish
02	No outside Operation (No Cylinder), Dummy Trim	88-DL_ x Finish
08	Key Outside Unlocks/locks Trim, Cylinder Supplied	88-CL_ x Finish
14	Passage Only (No cylinder)	88-LL_ x Finish

Lever Designs available for 88 Lever & Rose Trim are L, B, J & P
Note: For 88 Lever & Rose trim, the 1st letter is the function, the 2nd is the "L" Rose Design & the 3rd is the lever design specified

88 Lever and Rose Trim
To order: Specify options followed by trim designation, lever design and finish (as shown to the right).
Example: 10-SG-88-CLP x 26D

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

Keyed & Non Keyed Pull Trim for 8888 & 8810 Devices
Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify options, designation, finish & hand
Example: 10-SG-814-FSW x 04 x RHR

SARGENT Function #'s	ANSI	Description & Cylinder Info. (1-3/4" Door)	Trim Designations				
04	03	Key Retracts Latch, #34 Cylinder Supplied	814-FSL*	814-FSW*	814-MSL*	814-PSB*	814-STS
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS

Note: 88 Lever & Rose trim & ET's are not available in 32(629) or 32D(630)
* FSL, FSW, MSL and PSB trims are used with (HC-& 12-) 8888 and 8804 only and are the same as FLL, FLW, MAL and PTB pulls, except for cylinder hole located 3/8" (9mm) lower
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

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8800 Rim Exit Device

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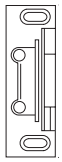
8800 SERIES RIM EXIT DEVICE

8800 Features
- Designed for standard width stile applications on wood and metal doors
- Also available as an HC8800 or WS8800 for hurricane-resistant applications, see Hurricane-Resistant section of this catalog
- Single point rim latching device
- Single door & double door applications with mullions
- Quiet operation and solid security
- ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) Listed

Specifications	8800 Series Rim Exit Device
Door Type	Metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 5" thick, specify thickness and order as 31- (see page 67 for function limitation)
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied. • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	649 Standard Black Nylon Coated
Optional Strikes	642, 644 and 613
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Weather Resistant	WH- Weep Holes (Available only with Clear Coated Finishes. See Chart - Page 77)
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts
Latch Bolt	Stainless steel, 3/4" (19mm) throw
Device Centerline from Finished Floor	41" (1041 mm) for Standard Applications
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76 mm) Pushbar Depressed – 2-1/8" (54 mm)
Fire Exit Hardware	See Chart – Page 6

49- Lock/Unlock Indicator Option
- Displays whether the door has been secured by the inside cylinder.
- Red icon indicates locked
- White icon indicates unlocked
- Dogging overrides 49- functionality (must order less dogging)
- Available on 8816 and 8866 functions only

649 Strike
- Supplied standard for panic & fire rated openings
- Surface applied
- Black nylon coated



688 TRIM RETROFIT KIT

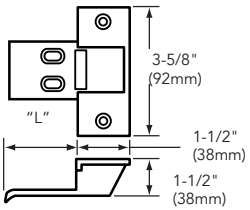
- 688 Trim Retrofit kit allows an 8800* Series rim exit with an ET to replace Von Duprin's 98/99 Series exit with trim with minimal door prep.

* Except for 16 function

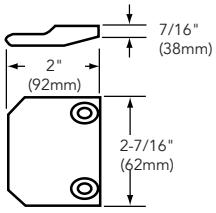
- Order as: 688 Kit

ALTERNATE STRIKES FOR 8800 RIM DEVICES

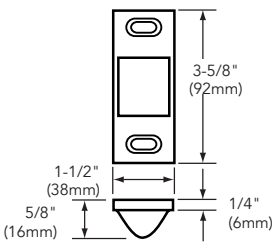
642 Strike
- Mortised. Dimension "L" equals door thickness plus 1/2" (13mm). Black nylon coated on lip only



644 Strike
- Surface applied. For use on pairs of doors without mullion. Ductile Iron. Black nylon coated



613 Strike
- Half mortised. Black nylon coated



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8800 Functions and Trims

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How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width
F1-83-56	88	13	F	ETL	RHR	26D	32D	36"

700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)
8800 Series: 704, 706-8, 710, 713-8, 715-8, 716, 740, 743-8, 744, 746-8, 773-8, 774-8, 775-8 & 776-8

Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim
Voltage must be specified for the following functions: 73, 74, 75 and 76. Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 1 8800 Panic & Fire
04	03	Night Latch, Key Retracts Latch #34 Cylinder Supplied	8804 x ET_
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	8806 x ET_
10	01	No outside operation (No Cylinder)	8810
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	8810 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8813 x ET_
15	14	Passage Only (No cylinder)	8815 x ET_
16	10	Key Outside Retracts Latch; Key Inside Unlocks/Locks O/S Trim O/S #34 Cylinder & I/S #44 Cylinder Supplied	8816 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	8840 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8843 x ET_
44	03	Freewheeling Trim - Key Retracts Latch #34 Cylinder Supplied	8844 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	8846 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)	8873 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)	8874 x ET_
75		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch #34 Cylinder Supplied	8875 x ET_
76		Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch #34 Cylinder Supplied	8876 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices

Pull & Thumbpiece Trim Section			Trim Designations • Use three letter designations (Ex "PTB") when ordering the Exit Device with trim • Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify finish						Series
SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)							 8800 Panic & Fire
04	03	Night Latch, Key Retracts Latch, #34 Cylinder Supplied	814-FSL*	814-FSW*	814-MSL*	814-PSB*	814-STS	862 Pull	8804 x Trim Designation
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	862 Pull	8810 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	N/A	8828 x Trim Designation
63	05	Key Outside Unlocks/Locks Thumbpiece #34 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	N/A	8863 x Trim Designation
66	07	Key Outside Retracts Latch; Key Inside Unlocks/Locks O/S Trim O/S #34 & I/S #44	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	N/A	8866 x Trim Designation

* FSL, FSW, MSL and PSB trims are used with (HC-& 12-) 8888 and 8804 only and are the same as FLL, FLW, MAL and PTB pulls except for cylinder hole located 3/8" (9mm) lower.
Note: Thumbpiece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately.
Note: FLW & FSW trims are not available in 32(629) or 32D(630).
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D.

Options

8800
Mechanical Options: 12- 16- 19- 31- 36- 37- 43- 53- 54- 55- 56- 56-HK- 58- 59- 5CH- BC-59- 76- 85- 86- 87- AL- BT- CPC- GL- LD- PL- ** SG- TB- TL- WH- **Cylinder Options:** 10- 10-21- 10-63- 11- 11-21- 11-60- 11-63- 11-64- 11-70-7P- 11-72-7P- 11-73-7P- 11-65-73-7P- 21- 51- 52- 60- 63- 64- 70- 72- 73- 65-73- 65-73-7P- 73-7P- 81- 82- F1-82- 83- F1-83- 84- BR- LC- *SC- *SE-

* Options are not available with 8816
** Only available with 15, 26D and 32D finishes

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	32DCP
WSP	

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90641 10/25

8900 Mortise Lock Exit Device

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8900 SERIES MORTISE LOCK EXIT DEVICE

8900 Features

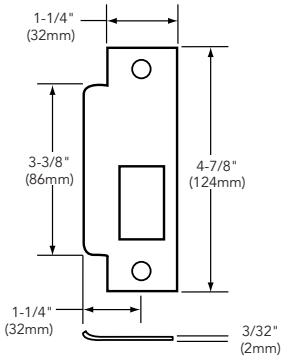
- Designed for standard width stile applications on wood and metal doors
- Concealed single point guarded latching for additional security
- Also available as a WS8900 for additional certifications and listings, see Hurricane-Resistant section of this catalog
- Single door applications
- Double door applications with Vertical Rod
- ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) Listed

Specifications for 8900 Mortise Lock Exit

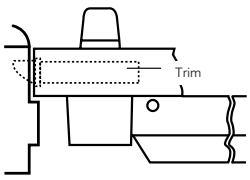
Door Type	Metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2 1/4" thick, specify thickness and order as 31-
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	C908 Standard Black Nylon Coated – ANSI Prep A115.1 Optional Strikes – 815 Open Back Strike or 908 Flat Lipped Strike with Black Nylon
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts
Latch Bolt	Brass Nickel Plated, 3/4" (19mm) throw, anti-friction
Guarded/DeadLatch	Brass Nickel Plated, sliding type
Device Centerline from Finished Floor	41" (1041 mm) for Standard Applications; 38" (965mm) for elementary schools
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

C908 Standard Strike

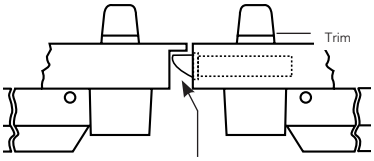
- Curved lip ANSI A-115.1
- Handed. 1-1/4" (32mm) lip standard
- Longer lips in increments of 1/4" (6mm) through 2-7/8" (73mm) available
- Black nylon coated



Single Door



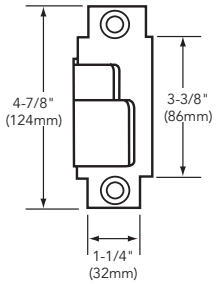
Pair of Doors



815 Open back strike;
Inactive door with vertical rods

815 Open Back Strike

- ANSI A-115.14 Open Back
- Beveled 1/8" (3mm) in 2" (51mm)
- Specify hand of active door
- Black nylon coat
- "B" label



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8900 Functions and Trims

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ASSA ABLOY

How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width
F1-83-	89	13	F	ETL	RHR	26	32	36"

700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)
8900 Series: 704, 706, 710, 713, 715, 716, 740, 743, 744, 773, 774, 775 & 776

Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim and Electrified Mortise Locks
Voltage must be specified for the following functions: 73, 74, 75 and 76.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 3 8900 Panic & Fire
04	03	Night Latch, Key Retracts Latch #46 Cylinder Supplied	8904 x ET_
06	09	Key unlocks Trim, Trim retracts Latch/ Trim relocks when key is removed #41 Cylinder Supplied	8906 x ET_
10	01	No outside operation (No Cylinder)	8910
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	8910 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8913 x ET_
15	14	Passage Only (No cylinder)	8915 x ET_
16	10	Key Outside Retracts Latch; Key Inside Unlocks/Locks O/S Trim O/S #46 & I/S #34 Cylinder Supplied	8916 x ET_
40	02	Freewheeling Trim - No outside Operation (No Cylinder) Dummy Trim	8940 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8943 x ET_
44	03	Freewheeling Trim - Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied	8944 x ET_
75*		Electrified ET Trim - Fail Safe, Power Off, Unlocks Lever, Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied	8975 x ET_
76**		Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied	8976 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
* 75 Function without cylinder is available as a 73 Function
** 76 Function without cylinder is available as a 74 Function

Options

8900
Mechanical Options: 12- 16- 19- 23- 31- 36- 37- 43- 53- 54- 55- 56- 56-HK- 58- 59- BC-59- 76- 85- 86- 87- AL- BT- CPC- LD- PL- ** SG-
Cylinder Options: 10- 10-21- 10-63- 11- 11-21- 11-60- 11-63- 11-64- 11-70-7P- 11-72-7P- 11-73-7P- 11-65-73-7P- 21- 51- 52- 60- 63- 64- 70- 72- 73- 65-73- 65-73-7P- 73-7P- 81- 82- F1-82- 83- F1-83- 84- BR- LC- *SC- *SE-

* Options are not available with the following functions: 04 x ET, 16, 44, 75 & 76
** Only available with 15, 26D and 32D finishes

Pull & Thumbpiece Trim Section			Trim Designations • Use three letter designations (Ex "PTB") when ordering the Exit Device with trim • Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify finish					Series
SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)						8900 Panic & Fire
04	03	Night Latch, Key Retracts Latch, #34 Cylinder Supplied	814-FLL	814-FLW	814-MAL	814-PTB	814-STS	8904 x Trim Designation
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	8910 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	8928 x Trim Designation
63	05	Key Outside Unlocks/Locks Thumbpiece #34 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	8963 x Trim Designation

Note: Thumbpiece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately.
Note: FLW trim is not available in 32(629) or 32D(630).
Note: Thumbpiece trims used with 8900 mortise lock exit devices are handed.
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D.

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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90641 10/25

8700 Surface Vertical Rod Exit Device

SARGENT
ASSA ABLOY

8700 SERIES SURFACE VERTICAL ROD EXIT DEVICE

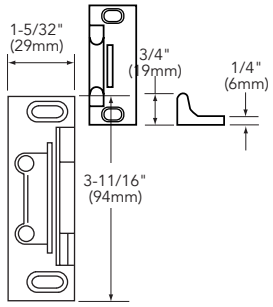
Features
- Two point latching (top & bottom with adjustability through center case)
- Standard bottom latch compatible with latch track thresholds (by others)
- Single and double door applications
- ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) Listed
- Also available as HC8700 for hurricane-resistant applications, see Hurricane-Resistant section of this catalog
- Also available as FM8700, use with StormPro Series doors, frames and hinges is required when used as a certified tornado solution. For tornado-resistant applications, see Tornado-Resistant section of this catalog
- Rods are 1/2" (13mm) brass, bronze or stainless steel

Specifications for 8700 Series Exit

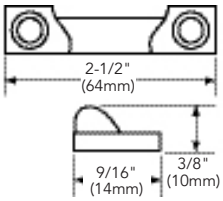
Door Type	Wood or metal doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 5" thick, specifythickness and order as 31- (see page 67 for function limitation)
Stile	4-1/2" (114mm) minimum stile width with trim and 3-1/2" (44mm) minimum stile without trim
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	646 Top Strike (Panic and Fire Rated) 624 Bottom Strike; 655 Fire Rated Bottom Strike
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- ELR Remote Latch Retraction 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts
Top & Bottom Bolt	Brass, Stainless steel
Device Centerline from	41" (1041 mm) for Standard Applications; 38" (965mm) for elementary schools
Door/Opening Height	Must be specified - 120" (3048mm) Max Door Opening - Non-fire rated doors 96" (2438mm) Max Door Opening - Fire rated doors
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

Note: The 8700 Exit Device can not be used less bottom rod. If less bottom rod is desired, specify NB8700 Series Exit Device

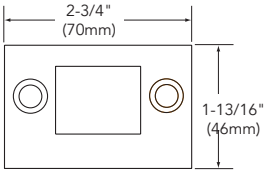
646 Top Strike
- Standard for both Panic & Fire (12-) Hardware
- Surface applied to frame
- Black nylon coated
- Replaces 629 Strike



624 Bottom Strike
- Standard for 8700
- Applied to surface of floor or to a flat threshold
- Black nylon coated



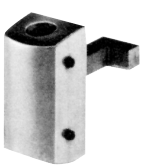
655 Bottom Strike
- Standard for 12-8700 and 14-8700
- Stainless steel
- Black nylon coated
- Replaces 647 Strike



Inside Lever Assembly for 300 Series Aux Control

Attaches to top rod and engages with 300 Series Auxiliary Control. Packed standard with 306 and 313 Auxiliary Controls

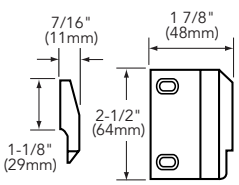
Part # 97-2378



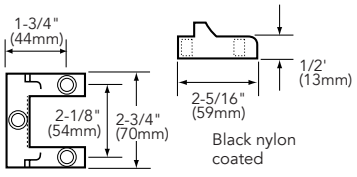
Note: 26 or 26D is automatically supplied when 32 or 32D is specified.

648 & 653 STRIKES (ALTERNATE STRIKES FOR 8700 SVR DEVICES)

648 Strike
For doors having transom panel applications
Black nylon coated



653 Strike
Alternate for 12-8700



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8700 Functions and Trims

SARGENT
ASSA ABLOY

How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
F1-83-	87	13	F	ETL	RHR	32D	10B	36"	84"	41"

700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)
8700 Series: 706, 710, 713, 715, 740, 743, 744, 746, 773 & 774

Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever.

Electrified ET Trim
Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	ANSI Type 2 8700 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	8706 x ET_
10	01	No outside operation (No Cylinder)*	8710
10	02	No outside operation (No Cylinder)* ET Control is used as Pull Only	8710 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8713 x ET_
15	14	Passage Only (No cylinder)	8715 x ET_
40	02	Freewheeling Trim - No outside Operation (No Cylinder)* Dummy Trim	8740 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8743 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ relocks when key is removed #41 Cylinder Supplied	8746 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	8773 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	8774 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
* Cylinder Override is available with a 306 Aux Control
Example Order: 8773F 12V x ETMG x 306 x RHR x 32D x 36"w x 84"h

300 Series++ Auxiliary Control & 862 Pull		SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	8700 Panic & Fire
300 Series Aux. Control	862 Pull	06	12	Key unlocks Turn; Turn retracts latch/Turn relocks when key is removed, #41 Cylinder Supplied	8710 x 306
		10	02	862 Pull Only (Optional Pulls: 863 & 864)	8710 x 862
		13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	8710 x 313

Notes:
300 Series Auxiliary Control are not compatible with 59- option.
When ordering 8700 Series Exit Device x 300 Series Aux. Control, specify 10 Function for the exit. Example: 8710F x 306 x RHR x 32D x 42" x 90"
++ Note: Exit Devices must be mounted 38" AFF when used with Auxiliary Controls to meet ICC/ANSI A117.1-2003 Accessible and Usable and Facilities Code

Pull & Thumbpiece Trim Section			Trim Designations • Use three letter designations (Ex "PTB") when ordering the Exit Device with trim • Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify finish					
SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)						8700 Panic & Fire
10	02	Pull Only (No Cylinder)*	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	8710 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	8728 x Trim Designation
62	06	Key unlocks Thumbpiece, Thumbpiece retracts latch/ Thumbpiece relocks when key is removed #34 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	8762 x Trim Designation
63	05	Key Outside Unlocks/locks Thumbpiece, #34 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	8763 x Trim Designation

* Cylinder Override is available with a 306 Aux Control.
Note: Thumbpiece trims for 62 and 63 function devices are identical and are identified as 66 function when trim is ordered separately.
Note: FLW trim is not available in 32(629) or 32D(630).
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D.

Options

8700
Mechanical Options:
12-
14-
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
58-
59-
BC-59-
76-
85-
86-
87-
5CH-
AL-
BT-
CPC-
LD-
PL-
*SG-
TB-
Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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10/25
90641

SARGENT
ASSA ABLOY

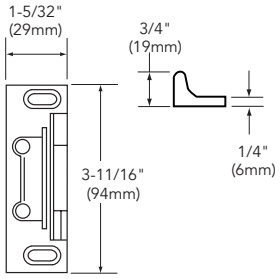
NB-8700 Top Latch
Surface Vertical Rod Exit Device

Features
- Single point top latching
- Top latchbolt projection adjustable through center case
- ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) Listed
- Tripping potential removed - no bottom strike
- Rods are 1/2" (13mm) brass, bronze or stainless steel

Specifications for NB-8700 Series Exi

Door Type	Wood or metal doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 5" thick, specify thickness and order as 31- (see page 67 for function limitation)
Stile	4-1/2" (114mm) minimum stile with trim and 3-1/2" (44mm) minimum stile without trim
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	646 Top Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- forcylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide Photoluminescent Coated 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Delayed Egress
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts
Top Bolt	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications
Door/Opening Height	**Must be specified** - 120" (3048mm) Max Door Opening
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76 mm) Pushbar Depressed – 2-1/8" (54 mm)
Fire Exit Hardware	See Chart – Page 6

646 Top Strike
- Standard for both Panic & Fire (12-) Hardware
- Surface applied
- Fire Rated
- Black nylon coated



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NB-8700 Functions and Trims

SARGENT
ASSA ABLOY

How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
12-	NB-87	13	F	ETL	RHR	26D	32D	36"	84"	41"

700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)
NB-8700 Series: 706, 710, 713, 715, 740,743, 744, 746, 773 & 774

Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim
Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 2 NB-8700 (Panic & Fire)
06	09	Key unlocks Trim. Trim retracts latch.Trim relocks when key is removed. #41 Cylinder Supplied.	NB-8706 x ET_
10	01	No outside operation (No Cylinder)	NB-8710
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	NB-8710 x ET_
13	08	Key Outside unlocks/locks trim #41 Cylinder Supplied	NB-8713 x ET_
15	14	Passage Only (No cylinder)	NB-8715 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	NB-8740 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	NB-8743 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/relocks when key is removed. #41 Cylinder Supplied/	NB-8746 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	NB-8773 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	NB-8774 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
Note: 12-NB8700 devices require thermal pins
Note: 12-NB Applications require thermal pin. Thermal Pin supplied when ordered as a 12-NB Device.
*Cylinder Override is available with a 306 Aux Control

300 Series++ Auxiliary Control & 862 Pull		SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	NB-8700 Panic & Fire
300 Series Aux. Control	862 Pull	06	12	Key unlocks Turn; Turn retracts latch/Turn relocks when key is removed, #41 Cylinder Supplied	NB-8710 x 306
		10	02	862 Pull Only (Optional Pulls: 863 & 864)	NB-8710 x 862
		13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	NB-8710 x 313

Notes:
300 Series Auxiliary Control are not compatible with 59- option.
When ordering NB-8700 Series Exit Device x 300 Series Aux. Control, specify 10 Function for the exit. Example: NB-8710F x 306 x RHR x 32D x 42" x 90"
++ Note: Exit Devices must be mounted 38" AFF when used with Auxiliary Controls to meet ICC/ANSI A117.1-2003 Accessible and Usable and Facilities Code

Pull & Thumbpiece Trim Section			Trim Designations • Use three letter designations (Ex "PTB") when ordering the Exit Device with trim • Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify finish					
SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)						NB-8700 Panic & Fire
10	02	Pull Only (No Cylinder)*	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	NB-8710 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	NB-8728 x Trim Designation
62	06	Key unlocks Thumbpiece, Thumbpiece retracts latch/ Thumbpiece relocks when key is removed #34 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	NB-8762 x Trim Designation
63	05	Key Outside Unlocks/locks Thumbpiece, #34 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	NB-8763 x Trim Designation

* Cylinder Override is available with a 306 Aux Control.
Note: Thumbpiece trims for 62 and 63 function devices are identical and are identified as 66 function when trim is ordered separately.
Note: FLW trim is not available in 32(629) or 32D(630).
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D.

Options

NB-8700
Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
58-
59-
76-
85-
86-
87-
5CH-
AL-
BT-
CPC-
LD-
PL-
* SG-
TB-
Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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SARGENT
ASSA ABLOY

MD8600(Windstorm Rated) and NB-MD8600 Concealed Vertical Rod Exit Device for Metal Doors

MD8600 SERIES CONCEALED VERTICAL ROD EXIT DEVICE FOR METAL DOORS

Features
- Designed for standard width stile applications on hollow metal doors
- Concealed rods for security and aesthetics
- Single and double door applications
- Specify NB- for less bottom rod
  – NB not available with HC and WS options
- Devices are ANSI A156.3 - Grade 1
- UL Fire and Panic listed

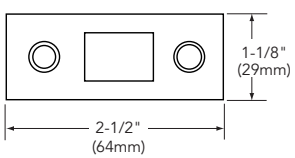
Specifications for MD8600 & NB-MD8600 Series Exit

Door Type	Metal doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Cladding	Available for 1/4" on 1/2" panels. Specify 31- and panel thickness on order. Only available on 1-3/4" door thickness. Must be noted separately from door thickness on order string.
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	650 Top Strike & 606 Bottom Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide Photoluminescent Coated 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Delayed Egress
Mounting Fasteners	Supplied standard with machine screws
Top Bolt	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications 38" (965mm) for elementary schools
Door/Opening Height	**Must be specified** - 120" (3048mm) Max Door Opening 96" max door height for HC and WS options
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76 mm) Pushbar Depressed – 2-1/8" (54 mm)
Fire Exit Hardware	See Chart – Page 6

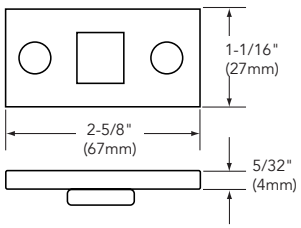
Notes:
- MD8600 & 12-MD8600 can be used as NB- Device by simply not installing the bottom rod/bolt
- 12-NB Applications require thermal pin. Thermal Pin supplied when ordered as a 12-NB Device.
- Must include "WS" option in the order string to specify Windstorm Rated product.

100 Series Aux Control
- Available as an 06 or 13 function
- Supplied with a SARGENT #41 Mortise Cylinder
- Can be used with any SARGENT Mortise Key System

650 Top strike
- For application In hollow metal frames
- Stainless steel nylon coated



606 Bottom strike
- Furnished with expansion shields
- Mortised into floor
- Stainless steel



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MD8600 and NB-MD8600 Functions and Trims for Metal Doors

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How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
59-NB-	MD86	13	F	ETL	RHR	03	03	36"	84"	ANSI Type 8

700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)
MD8600 & NB-MD8600 Series: 706-4, 710-4, 713-4, 715-4, 740-4, 743-4, 746-4, 773-4, & 774-4

Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim
Voltage must be specified for the following functions: 73 and 74.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	MD8600 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	MD8606 x ET_
10	01	No outside operation (No Cylinder)*	MD8610
10	02	No outside operation (No Cylinder)* ET Control is used as Pull Only	MD8610 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	MD8613 x ET_
15	14	Passage Only (No cylinder)	MD8615 x ET_
40	02	Freewheeling Trim - No outside Operation (No Cylinder)** Dummy Trim	MD8640 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	MD8643 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	MD8646 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	MD8673 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	MD8674 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.

Note: AFF means Above Finished Floor, center line of rail Above Finished Floor.
* Cylinder Override is available with a 106 Aux Control
Example Order: MD8673F 12V x ETMG x 106 x RHR x 32D x 36"w x 84"h

100 Series Auxiliary Control* & 862 Pull		SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	MD8600 Panic & Fire
100 Series Aux. Control	862 Pull	06	12	Key unlocks Turn; Turn retracts latch/Turn relocks when key is removed, #41 Cylinder Supplied	MD8610 x 106
		10	02	862 Pull Only (Optional Pulls: 863 & 864)	MD8610 x 862 Pull
		13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	MD8610 x 113

Note: When ordering MD8600/NB-MD8600 Series Exit Device x 100 Series Aux. Control, specify 10 Function for the exit.
Example: MD8610F x 106 x RHR x 32D x 42" x 90"

Options

MD8600
Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-5LH
58-
59-
BC-59-
76-
85-
86-
87-
AL-
BT-
CPC-
HC-
LD-
NB-
PL-
* SG-
WS-
Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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AD8600 and NB-AD8600 Concealed Vertical Rod Exit Device for Aluminum Doors

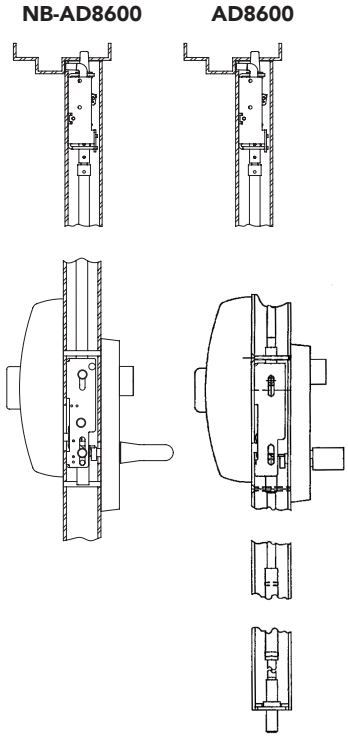
AD8600 SERIES CONCEALED VERTICAL ROD EXIT DEVICE FOR ALUMINUM DOORS

FEATURES
- Designed for standard width stile applications on aluminum doors
- Concealed rods for security and aesthetics
- Single and double door applications
- Specify NB- for less bottom rod
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL305 (Panic) listed only

Specifications for AD8600 & NB-AD8600 Series Exit

Door Type	Aluminum Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Cladding	Available for 1/4" on 1/2" panels. Specify 31- and panel thickness on order. Only available on 1-3/4" door thickness. Must be noted separately from door thickness on order string.
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	640 Strikes for Top & Bottom Strike
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide Photoluminescent Coated 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Delayed Egress
Mounting Fasteners	Supplied standard with machine screws
Top Bolt	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications 38" (965mm) for elementary schools
Door/Opening Height	Must be specified - 120" (3048mm) Max Door Opening
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76 mm) Pushbar Depressed – 2-1/8" (54 mm)
Fire Exit Hardware	Not Available

Note: AD8600 can be used as NB- Device by simply not installing the bottom rod/bolt

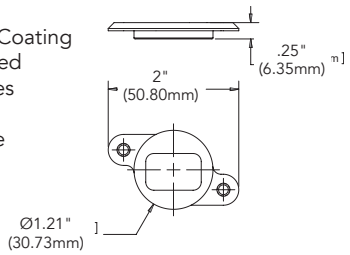


100 Series Aux Control

- Available as an 06 or 13 function
- Supplied with a SARGENT #41 Mortise Cylinder
- Can be used with any SARGENT Mortise Key System

639/640 Strike Kits

- Steel with Black Nylon Coating
- Machine Screws Supplied
- 640 Kit contains 2 strikes (Top & Bottom)
- 639 Kit contains 1 strike (Top Only)



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AD8600 and NB-AD8600 Functions and Trims for Aluminum Doors

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How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
56-NB-	AD86	13	F	ETL	RHR	15	32D	36"	84"	41"

700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)
AD8600 & NB-AD8600 Series: 706-4, 710-4, 713-4, 715-4, 740-4, 743-4, 746-4, 773-4, & 774-4

Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim
Voltage must be specified for the following functions: 73 and 74.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 8 AD8600 Panic
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	AD8606 x ET_
10	01	No outside operation (No Cylinder)*	AD8610
10	02	No outside operation (No Cylinder)* ET Control is used as Pull Only	AD8610 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	AD8613 x ET_
15	14	Passage Only (No cylinder)	AD8615 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim	AD8640 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	AD8643 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	AD8646 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	AD8673 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	AD8674 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
* Cylinder Override is available with a 106 Aux Control
Example Order: AD8673F 12V x ETMG x 106 x RHR x 32D x 36"w x 84"h

100 Series Auxiliary Control* & 862 Pull		SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	AD8600 Panic
100 Series Aux. Control	862 Pull	06	12	Key unlocks Turn; Turn retracts latch/Turn relocks when key is removed, #41 Cylinder Supplied	AD8610 x 106
		10	02	862 Pull Only (Optional Pulls: 863 & 864)	AD8610 x 862 Pull
		13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	AD8610 x 113

Note: When ordering AD8600/NB-AD8600 Series Exit Device x 100 Series Aux. Control, specify 10 Function for the exit.
Example: AD8610F x 106 x RHR x 32D x 42" x 90"

Options

AD8600
Mechanical Options:
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
5LH
58-
59-
BC-59-
76-
85-
86-
87-
AL-
BT-
CPC-
LD-
NB-
PL-
* SG-
Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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WD8600 and NB-WD8600 Concealed Vertical Rod Exit Device for Wood Doors

WD8600 SERIES CONCEALED VERTICAL ROD EXIT DEVICE FOR WOOD DOORS

Features
- Designed for standard width stile applications on wood doors
- Concealed rods offer security
- Single and double door applications
- Specify NB- for less bottom rod
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) listed

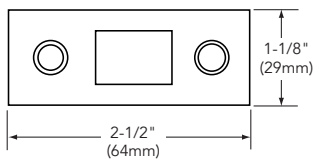
Specifications for WD8600 & NB-WD8600 Series Exit

Door Type	Wood Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Cladding	Available for 1/4" on 1/2" panels. Specify 31- and panel thickness on order. Only available on 1-3/4" door thickness. Must be noted separately from door thickness on order string.
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	650 Top Strike & 606 Bottom Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide Photoluminescent Coated 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Delayed Egress
Mounting Fasteners	Supplied standard with wood screws
Top Bolt	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications 38" (965mm) for elementary schools
Door/Opening Height	**Must be specified** - 108" (2743mm) Max Door Opening - Fire rated doors 120" (3048mm) Max Door Opening - Non-fire rated doors
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76 mm) Pushbar Depressed – 2-1/8" (54 mm)
Fire Exit Hardware	See Chart – Page 6

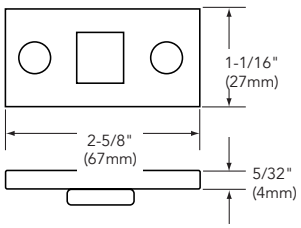
Note: WD8600 & 12-WD8600 can be used as NB- Device by simply not installing the bottom rod/bolt
Note: 12-NB applications require thermal pin. Thermal pin supplied when ordered as a 12-NB device

100 Series Aux Control
- Available as an 06 or 13 function
- Supplied with a SARGENT #41 Mortise Cylinder
- Can be used with any SARGENT Mortise Key System

650 Top Strike
- For application in hollow metal frames
- Stainless steel



606 Bottom Strike
- Furnished with expansion shields
- Mortised into floor
- Stainless steel



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WD8600 and NB-WD8600 Functions and Trims for Wood Doors

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How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
58-NB-	WD86	13	F	ETL	RHR	26D	32D	36"	84"	41"

700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)
MD8600 & NB-MD8600 Series: 706-4, 710-4, 713-4, 715-4, 740-4, 743-4, 746-4, 773-4, & 774-4

Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim
Voltage must be specified for the following functions: 73 and 74.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 7 WD8600 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	WD8606 x ET_
10	01	No outside operation (No Cylinder)*	WD8610
10	02	No outside operation (No Cylinder)* ET Control is used as Pull Only	WD8610 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	WD8613 x ET_
15	14	Passage Only (No cylinder)	WD8615 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim	WD8640 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	WD8643 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	WD8646 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	WD8673 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	WD8674 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
* Cylinder Override is available with a 106 Aux Control
Example Order: WD8673F 12V x ETMG x 106 x RHR x 32D x 36"w x 84"h

100 Series Auxiliary Control* & 862 Pull		SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	AD8600 Panic
100 Series Aux. Control	862 Pull	06	12	Key unlocks Turn; Turn retracts latch/Turn relocks when key is removed, #41 Cylinder Supplied	WD8610 x 106
		10	02	862 Pull Only (Optional Pulls: 863 & 864)	WD8610 x 862 Pull
		13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	WD8610 x 113

Note: When ordering WD8600/NB-WD8600 Series Exit Device x 100 Series Aux. Control, specify 10 Function for the exit.
Example: WD8610F x 106 x RHR x 32D x 42" x 90"

Options

WD8600
Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
5LH
58-
59-
BC-59-
76-
85-
86-
87-
AL-
BT-
CPC-
LD-
NB-
PL-
* SG-
Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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8500 Narrow Design Rim Exit Device

SARGENT
ASSA ABLOY

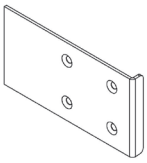
8500 SERIES NARROW DESIGN RIM EXIT DEVICE

Features
- Designed for narrow stile applications (e.g., aluminum frame full glass doors)
- Single and double doors with mullion
- Single point rim latching device
- Quiet operation and solid security
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) listed

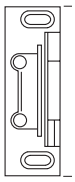
Specifications for 8500 Series Exit

Door Type	Wood or metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 5" thick, specify thickness and order as 31- (see page 67 for function limitation)
Stile	2" (114mm) minimum stile (Less Trim)
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied. • E Rail for 24" to 32" door widths • F Rail for 33" to 36" door widths • J Rail for 37" to 42" door widths • G Rail for 43" to 48" door widths
Strike	657 Strike, Supplied standard for panic devices 656 Strike, Supplied standard for panic devices 649 Strike, Supplied standard for fired rated devices Optional Strikes – 649, 658 Standard with 650A Mullion
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Weather Resistant	WH- Weep Holes (Available only with Clear Coated Finishes. See Chart - Page 77)
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts
Latch Bolt	Stainless steel, 3/4" (19mm) throw
Device Centerline from Finished Floor	41" (1041 mm) for Standard Applications
Center Case Dimensions	8-5/16" (211mm) x 1-1/16" (27mm)
Projection	Pushbar Neutral – 3" (76 mm) Pushbar Depressed – 2-1/8" (54 mm)
Fire Exit Hardware	See Chart – Page 6

604 Wear Plate Kit
- Designed for use with narrow stile aluminum doors
- Field cut to accommodate all door frame face sizes



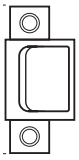
649 Standard Strike for 12-8500
- Surface applied
- Black nylon coated



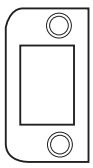
651 Mullion Stabilizer Kit
- Stabilizer block
- Furnished standard w/650A Mullion
- Order as a 651 Kit

656 Mullion Strike
- Surface applied
- Use with 980 mullions
- Black nylon coated

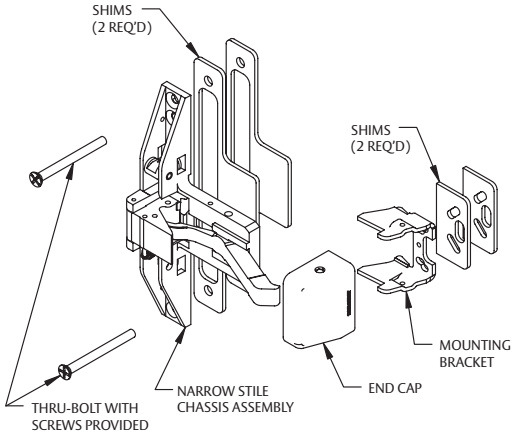
657 Standard Strike for 8500
- Surface applied or mortised
- For use on frames with blade stop or integral stop
- Black nylon coated



658 Strike alternative for 8500
- Packed standard with 650A mullion
- Can be ordered separately for surface application to frames
- Black nylon coated



668 Shim Kits for 8500
- Two Chassis Shims and Two End Cap Shims
- Shims are 1/8" for a total height of 1/4"



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8500 Narrow Design Rim Exit Device Functions & Trim

SARGENT
ASSA ABLOY

How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width
F1-83-56	85	13	F	ETL	RHR	15	32D	36"

700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)
8500 Series: 704, 706-8, 710, 713-8, 715-8, 740, 743-8, 744, 746-8, 773-8 & 774-8

Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim
Voltage must be specified for the following functions: 73 and 74.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	ANSI Type 4 8500 Panic
04*	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	8504 x ET_
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	8506 x ET_
10	01	No outside operation (No Cylinder)	8510
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	8510 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8513 x ET_
15	14	Passage Only (No cylinder)	8515 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	8540 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8543 x ET_
44	03	Freewheeling Trim - Key Retracts Latch #34 Cylinder Supplied	8544 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	8546 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)**	8573 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)**	8574 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
* Consult factory when using with cylinders from other manufacturers
** Cylinder override is not available with 8500 Series Devices

Pull Trim Section	SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	Series 8500 Panic
862 Pull 	04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	8504 x 862 Pull only
	10	02	862 Pull Only (Optional Pulls: 863 & 864)	8510 x 862 Pull only

Options

8500
Mechanical Options: 12- 16- 19- 31- 36- 37- 43- 53- 54- 55- 56- 56-HK- 58- 59- 5CH- BC-59- 76- 85- 86- 87- AL- BT- CPC- GL- LD- PL- * SG- WH- **Cylinder Options:** 10- 10-21- 10-63- 11- 11-21- 11-60- 11-63- 11-64- 11-70-7P- 11-72-7P- 11-73-7P- 11-65-73-7P- 21- 51- 52- 60- 63- 64- 70- 72- 73- 65-73- 65-73-7P- 73-7P- 81- 82- F1-82- 83- F1-83- 84- BR- LC- SC- SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	32DCP
WSP	

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AD8500 Narrow Design Rim Exit Device for Aluminum Doors

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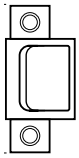
AD8500 SERIES NARROW DESIGN RIM EXIT DEVICE

AD8500 Features
- Designed for narrow stile applications (e.g., aluminum frame full glass doors)
- Single and double doors with mullion
- Single point rim latching device
- Quiet operation and solid security
- Devices are ANSI/BHMA A156.3 - Grade 1
- Available Windstorm-rated; order WS-

Specifications for AD8500 Series Exit

Door Type	Aluminum Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 5" thick, specify thickness and order as 31- (see page 67 for function limitation)
Stile	2" (114mm) minimum stile (Less Trim)
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths • F Rail for 33" to 36" door widths • J Rail for 37" to 42" door widths • G Rail for 43" to 48" door widths
Strike	657 Strike, Supplied standard for panic devices 656 Strike, Supplied standard for panic devices 649 Strike, Supplied standard for fired rated devices Optional Strikes – 649, 658 Standard with 650A Mullion
Dogging Feature	Hex key dogging standard; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts
Latch Bolt	Stainless steel, 3/4" (19mm) throw
Device Centerline from Finished Floor	41" (1041 mm) for Standard Applications
Center Case Dimensions	8-5/16" (211mm) x 1-1/16" (27mm)
Projection	Pushbar Neutral – 3" (77mm) Pushbar Depressed – 2-1/8" (54mm)

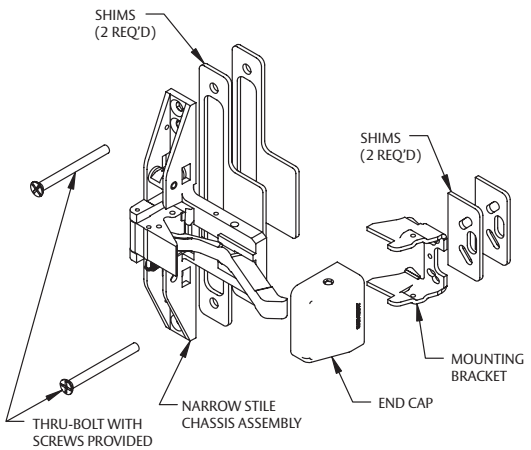
657 Standard Strike for 8500
- Surface applied or mortised
- For use on frames with blade stop or integral stop
- Black nylon coated



651 Mullion Stabilizer Kit
- Stabilizer block
- Furnished standard w/650A Mullion
- Order as a 651 Kit

656 Mullion Strike
- Surface applied
- Use with 980 mullions
- Black nylon coated

535 Kit for Windstorm Applications (WS-AD8500)
- Two Chassis Shims and Two End Cap Shims
- Shims are 1/8" for a total height of 1/4"
- 649 Strike Pack
- 651 Stabilizer Kit



604 Wear Plate Kit
- Surface applied
- Accommodates all sizes of door frame face

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AD8500 Narrow Design Rim Exit Device Functions & Trim

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How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width
F1-83-56	AD85	13	F	ETL	RHR	15	32D	36"

700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)
AD8500 Series: 704, 706-8, 710, 713-8, 715-8, 740, 743-8, 744, 746-8, 773-8 & 774-8

Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim
Voltage must be specified for the following functions: 73 and 74.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	ANSI Type 4 AD8500 Panic
04*	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	AD8504 x ET_
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	AD8506 x ET_
10	01	No outside operation (No Cylinder)	AD8510
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	AD8510 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	AD8513 x ET_
15	14	Passage Only (No cylinder)	AD8515 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	AD8540 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	AD8543 x ET_
44	03	Freewheeling Trim - Key Retracts Latch #34 Cylinder Supplied	AD8544 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	AD8546 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)**	AD8573 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)**	AD8574 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
* Consult factory when using with cylinders from other manufacturers
** Cylinder override is not available with AD8500 Series Devices

Pull Trim Section	SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	Series AD8500 Panic
862 Pull 	04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	AD8504 x 862 Pull only
	10	02	862 Pull Only (Optional Pulls: 863 & 864)	AD8510 x 862 Pull only

Options

AD8500
Mechanical Options: 12- 16- 19- 31- 36- 37- 43- 53- 54- 55- 56- 56-HK- 58- 59- 5CH- BC-59- 76- 85- 86- 87- AL- BT- CPC- GL- LD- PL- * SG- WS- **Cylinder Options:** 10- 10-21- 10-63- 11- 11-21- 11-60- 11-63- 11-64- 11-70-7P- 11-72-7P- 11-73-7P- 11-65-73-7P- 21- 51- 52- 60- 63- 64- 70- 72- 73- 65-73- 65-73-7P- 73-7P- 81- 82- F1-82- 83- F1-83- 84- BR- LC- SC- SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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8300 Narrow Design Mortise Lock Exit Device

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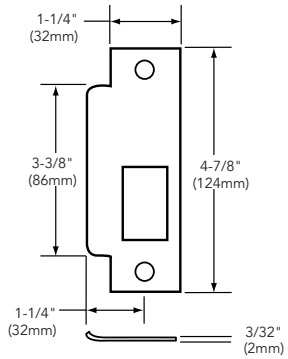
8300 SERIES NARROW DESIGN MORTISE LOCK EXIT DEVICE

Features
- Designed for standard width stiles with a narrow design look
- Through-bolted trim for quiet operation and security
- Single door applications
- Double door applications with Mortise Lock x Vertical Rod Device
- UL10C (Fire) and UL305 (Panic) listed
- Devices are ANSI/BHMA A156.3 - Grade 1

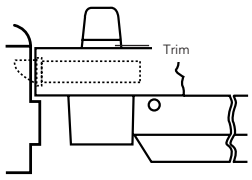
Specifications for 8300 Mortise Lock Exit

Door Type	Wood or metal doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	C908 Standard Black Nylon Coated – ANSI Prep A115.1 Optional Strikes – 815 Open Back Strike or 908 Flat Lipped Strike with Black Nylon
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise(sex) nuts
Latch Bolt	Brass Nickel Plated, 3/4" (19mm) throw, anti-friction
Guarded/Deadlatch	Brass, sliding type
Device Centerline from Finished Floor	41" (1041 mm) for Standard Applications
Center Case Dimensions	8-5/16" (211mm) x 1-1/16" (27mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

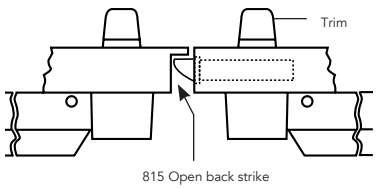
C908 Standard Strike
- Curved lip ANSI A-115.1
- Handed. 1-1/4" (32mm) lip standard
- Longer lips in increments of 1/4" (6mm) through 2-7/8" (73mm) available
- Black nylon coated



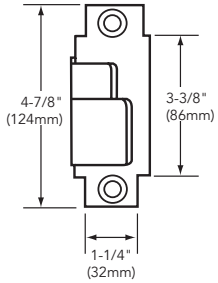
Single Door



Pair of Doors



815 Open Back Strike
- ANSI A-115.14 Open Back
- Beveled 1/8" (3mm) in 2" (51mm)
- Specify hand of active door
- Black nylon coat
- "B" label



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8300 Narrow Design
Mortise Lock Exit Device Functions & Trim

How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width
11-	83	13	F	ETL	RHR	26D	32D	36"

700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)
8300 Series: 704, 710, 713, 715, 740, 743, 744, 773, 774, 775 & 776

Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim and Electrified Mortise Locks
Voltage must be specified for the following functions: 73, 74, 75 and 76.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 10 8300 Panic & Fire
04	03	Night Latch Key Retracts Latch #46 Cylinder Supplied	8304 x ET_
10	01	No outside operation (No Cylinder)	8310
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	8310 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8313 x ET_
15	14	Passage Only (No cylinder)	8315 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	8340 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8343 x ET_
44	03	Freewheeling Trim - Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied	8344 x ET_
75*		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied	8375 x ET_
76**		Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied	8376 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
* 75 Function without cylinder is available as a 73 Function
** 76 Function without cylinder is available as a 74 Function

Options

8300
Mechanical Options: 12- 16- 19- 23- *31 36- 37- 43- 53- 54- 55- 56- 56-HK- 58- 59- BC-59- 76- 85- 86- 87- AL- BT- LD- PL- *** SG-
Cylinder Options: 10- 10-21- 10-63- 11- 11-21- 11-60- 11-63- 11-64- 11-70-7P- 11-72-7P- 11-73-7P- 11-65-73-7P- 21- 51- 52- 60- 63- 64- 70- 72- 73- 65-73- 65-73-7P- 73-7P- 81- 82- F1-82- 83- F1-83- 84- BR- LC- *SC- *SE-

* Options are not available with the following functions: 04, 44, 75 & 76
** For SC- & SE- options contact factory for availability
*** Only available with 15, 26D and 32D finishes

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

Pull & Thumbpiece Trim Section			Trim Designations • Use three letter designations (Ex "PTB") when ordering the Exit Device with trim • Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify finish & hand					
SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)						 8300 Panic & Fire
04	03	Night Latch-Key Retracts Latch #41 Cylinder Supplied	814-FLL	814-FLW	814-MAL	814-PTB	814-STS	8304 x Trim Designation
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	8310 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	8328 x Trim Designation
63	05	Key Outside Unlocks/locks Thumbpiece #41 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	8363 x Trim Designation

Note: Thumbpiece Trims used with Mortise Lock Exit Devices are handed
Note: Thumbpiece trims for 63 function devices are identified as 66 function when trim is ordered separately
Note: FLW trim is not available in 32(629) or 32D(630)
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

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MD8400 and NB-MD8400 Narrow Stile Concealed Vertical Rod Exit Device for Metal Doors

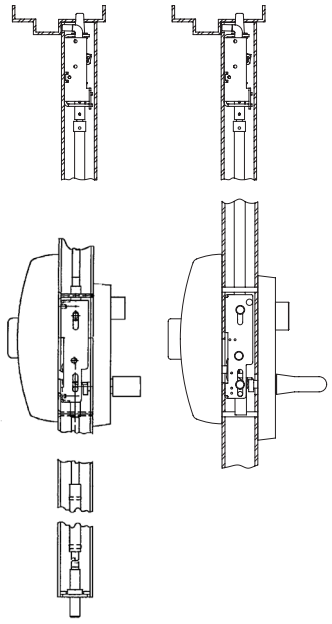
MD8400 SERIES CONCEALED VERTICAL ROD EXIT DEVICE FOR METAL DOORS

Features
- Designed for narrow stile applications (e.g., full glass doors)
- Concealed rods for security and aesthetics
- UL10C (Fire) and UL305 (Panic) listed
- Specify NB- for less bottom rod
- NB- Devices allows free access for wheelchairs and carts. No bottom strike eliminates tripping potential
- All functions determined by outside trim
- Devices are ANSI/BHMA A156.3 - Grade 1

Specifications for MD8400 & NB-MD8400 Exit

Door Type	Hollow Metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Cladding	Available for 1/4" on 1/2" panels. Specify 31- and panel thickness on order. Only available on 1-3/4" door thickness. Must be noted separately from door
Stile	1-3/4" (44mm) minimum stile width required. Stile must be hollow with inside dimension of at least 1-3/8" (35mm) square
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths • F Rail for 33" to 36" door widths • J Rail for 37" to 42" door widths • G Rail for 43" to 48" door widths
Strike	650 Top Strike & 606 Bottom Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with machine screws
Top Bolt	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications 38" (965mm) for elementary schools
Door/Opening Height	**Must be specified** - 120" (3048mm) Max Door Opening
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76 mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

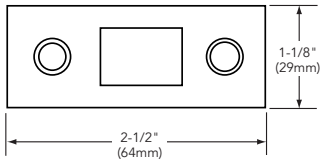
12-MD8400 NB-12-MD8400



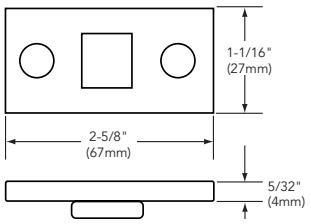
Note: MD8400 & 12-MD8400 can be used as NB- device by simply not installing the bottom rod/bolt
Note: 12-NB applications require thermal pin. Thermal pin supplied when ordered as a 12-NB device

100 Series Aux Control
- Available as an 06 or 13 function
- Supplied with a SARGENT #41 Mortise Cylinder
- Can be used with any SARGENT Mortise Key System

650 & 652 Strike Packs
- Stainless steel
- 650 & 652 Strike Packs contain the same strike
- 650 Strike Pack contains 1 strike for Top Bolt
- 652 Strike Pack contains 2 strikes for Top & Bottom



606 Bottom Strike (12-)
- Furnished with expansion shields
- Mortised into floor
- Stainless steel
- Bottom strike for 12-MD8400



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MD8400 and NB-MD8400 Functions and Trims for Metal Doors

SARGENT
ASSA ABLOY

How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
55-	NB-MD84	13	F	ETL	RHR	26D	32D	36"	84"	41"

700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)
MD8400 & NB-MD8400 Series: 706-4, 710-4, 713-4, 715-4, 740-4, 743-4, 746-4, 773-4, & 774-4

Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim
Voltage must be specified for the following functions: 73 and 74.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 6 8400 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	MD8406 x ET_
10	01	No outside operation (No Cylinder)*	MD8410
10	02	No outside operation (No Cylinder)* ET Control is used as Pull Only	MD8410 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	MD8413 x ET_
15	14	Passage Only (No cylinder)	MD8415 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim	MD8440 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	MD8443 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	MD8446 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)* Specify: 12VDC or 24VDC	MD8473 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)* Specify: 12VDC or 24VDC	MD8474 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
* Cylinder Override is available with a 106 Aux Control
Example Order: MD8473F 12V x ETMG x 106 x RHR x 32D x 36"w x 84"h

100 Series Auxiliary Control* & 862 Pull		SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	MD8400 Panic & Fire
100 Series Aux. Control	862 Pull	06	12	Key unlocks Turn; Turn retracts latch/Turn relocks when key is removed, #41 Cylinder Supplied	MD8410 x 106
		10	02	862 Pull Only (Optional Pulls: 863 & 864)	MD8410 x 862 Pull
		13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	MD8410 x 113

Note: When ordering MD8400 Series Exit Device x 100 Series Aux. Control, specify 10 Function for the exit.
Example: MD8410F x 106 x RHR x 32D x 42" x 90"

Options

MD8400
Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
5LH
58-
59-
BC-59-
76-
85-
86-
87-
AL-
BT-
CPC-
LD-
NB-
PL-
* SG-
Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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AD8400 and NB-AD8400 Narrow Stile Concealed Vertical Rod Exit Device for Aluminum Doors

AD8400 SERIES CONCEALED VERTICAL ROD EXIT DEVICE FOR ALUMINUM DOORS

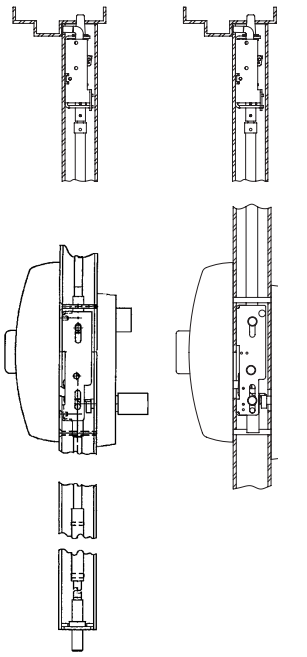
AD8400 & NB-AD8400 FEATURES

- Designed for narrow stile aluminum door applications (e.g., full glass doors)
- Concealed rods for security and aesthetics
- UL305 (Panic) listed
- Specify NB- for less bottom rod
- NB- device allows free access for wheelchairs and carts. No bottom strike eliminates tripping potential
- All functions determined by outside trim
- Devices are ANSI/BHMA A156.3 - Grade 1

Specifications for AD8400 & NB-AD8400 Exit

Door Type	Hollow or extruded aluminum doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-.
Cladding	Available for 1/4" on 1/2" panels. Specify 31- and panel thickness on order. Only available on 1-3/4" door thickness. Must be noted separately from door thickness on order string.
Stile	1-3/4" (44mm) minimum stile width required. Stile must be hollow with inside dimension of at least 1-3/8" (35mm) square
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths • F Rail for 33" to 36" door widths • J Rail for 37" to 42" door widths • G Rail for 43" to 48" door widths
Strike	640 Strike for Top & Bottom
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with machine screws
Top Bolt	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications 38" (965mm) for elementary schools
Door/Opening Height	**Must be specified** - 120" (3048mm) Max Door Opening
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	Not Available

AD8400 NB-AD8400



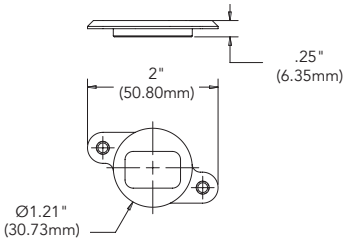
Note: AD8400 can be used as NB- Device by simply not installing the bottom rod/bolt

100 Series Aux Control

- Available as an 06 or 13 function
- Supplied with a SARGENT #41 Mortise Cylinder
- Can be used with any SARGENT Mortise Key System

639/640 Strike Kits

- Steel with Black Nylon Coating
- Machine Screws Supplied
- 640 Kit contains 2 strikes (Top & Bottom)
- 639 Kit contains 1 strike (Top Only)



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AD8400 and NB-AD8400 Functions and Trims for Aluminum Doors

SARGENT
ASSA ABLOY

How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
55-	AD84	13	F	ETL	RHR	26D	32D	36"	84"	41"

700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)
8400 & NB-8400 Series: 706-4, 710-4, 713-4, 715-4, 740-4, 743-4, 746-4, 773-4, & 774-4

Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim
Voltage must be specified for the following functions: 73 and 74.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 6 AD8400 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	AD8406 x ET_
10	01	No outside operation (No Cylinder)*	AD8410
10	02	No outside operation (No Cylinder)* ET Control is used as Pull Only	AD8410 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	AD8413 x ET_
15	14	Passage Only (No cylinder)	AD8415 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim	AD8440 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	AD8443 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	AD8446 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)* Specify: 12VDC or 24VDC	AD8473 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)* Specify: 12VDC or 24VDC	AD8474 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
* Cylinder Override is available with a 106 Aux Control
Example Order: AD8473F 12V x ETMG x 106 x RHR x 32D x 36"w x 84"h

100 Series Auxiliary Control* & 862 Pull		SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	MD8400 Panic & Fire
100 Series Aux. Control	862 Pull	06	12	Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	AD8410 x 106
		10	02	862 Pull Only (Optional Pulls: 863 & 864)	AD8410 x 862 Pull
		13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	AD8410 x 113

Note: When ordering 8400 Series Exit Device x 100 Series Aux. Control, specify 10 Function for the exit.
Example: AD8410F x 106 x RHR x 32D x 42" x 90"

Options

AD8400
Mechanical Options:
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
5LH
58-
59-
BC-59-
76-
85-
86-
87-
AL-
BT-
CPC-
LD-
NB-
PL-
* SG-
Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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LP8600 & LR8600 Low Profile Center & Top Latch Concealed Vertical Rods for Pair of Doors & Double Egress

LP8600 & LR8600 SERIES

Features

- The security of a stainless steel center bolt, two concealed top bolts and a low profile device for pairs of doors without bottom rod issues
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) listed
- 1-1/2" total projection from face of door
- Center and top latching
- No visible active chassis
- Center latchbolt adjustable for up to 3/8" (9mm) door gap
- Both doors are active. Either door can be opened or closed without affecting the other door. Open back strikes are not required
- Top case latchbolt projection adjustable through top case
- Tripping potential removed - no bottom strike
- All functions determined by outside trim (ET Trim only)
- Concealed rods for security and aesthetics

LP8600 Shown

Specifications

Door Type	Factory prepped metal doors for LP & LR devices
Door Thickness	1-3/4" (44mm) doors only with 2-3/4" (70mm) backset
Stile	4-1/2" (114mm) minimum stile
Rail sizes as determined by door width	Rails are available in 3 sizes, use door width to determine size needed. • L Rail for 36" door width no cutting required • M Rail for 42" to 44" door width no cutting required • N Rail - 46" to 48" door width no cutting required
Strike	650 Top Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging
Mounting Fasteners	Supplied standard with machine screws
Top & Center Bolts	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications
Door/Opening Height	**Must be specified** - 120" (3048mm) Max Door Opening
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 1-1/2" (38mm) Pushbar Depressed – 5/8" (15mm)
Fire Exit Hardware	See Chart – Page 6

How it works: The mortise lock of the LP device has a stainless steel bolt which projects into the mortise lock of the LR device at the center of the door in addition to top bolts in each door.

LP8610 SIDE VIEW

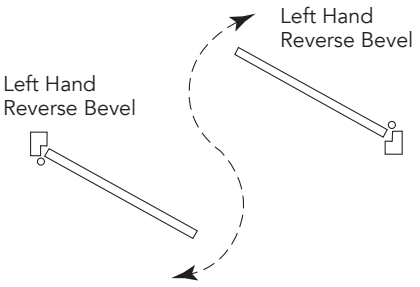
PAIR OF DOORS

Notes:

1. Available for 1-3/4" (44mm) thick doors only. No glass bead shim kits or inside panel condition permitted.
2. LS/LP/LR8600 are available in the following door sizes only: 36", 42", 44", 46" or 48" (914mm, 1067mm, 1118mm, 1168mm or 1219mm)

Note: The following hollow metal door manufacturers are equipped to reinforce and prepare their steel doors for the LS/LP/LR8600 Series Low Profile exit devices: CECO, CURRIES and FLEMING. Please check with any other hollow metal door manufacturers regarding their ability to properly reinforce and prepare their doors for these exit devices

DOUBLE EGRESS APPLICATION



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LP & LR8600 Functions & Trims for Pairs of Doors

SARGENT
ASSA ABLOY

How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
55-	LP86	13	F	ETL	RHR	14	32D	36"	84"	41"

700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)
LP8600 & LR8600 Series: 706-6, 710-6, 713-6, 715-6, 740-6, 743-6, 746-6, 773-6 & 774-6

Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim
Voltage must be specified for the following functions: 73 and 74.
Specify: 12VDC or 24VDC

Note: LP & LR Exit devices should be ordered in pairs, for correct operation; one device engages the other. For single door applications, order LS Device

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 2	
			LP8600 Panic & Fire	LR8600 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	LP8606 x ET_	LR8606 x ET_
10	01	No outside operation (No Cylinder)	LP8610	LR8610
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	LP8610 x ET_	LR8610 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	LP8613 x ET_	LR8613 x ET_
15	14	Passage Only (No cylinder)	LP8615 x ET_	LR8615 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	LP8640 x ET_	LR8640 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	LP8643 x ET_	LR8643 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	LP8646 x ET_	LR8646 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	LP8673 x ET_	LR8673 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	LP8674 x ET_	LR8674 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
* Cylinder override is not available with LP & LR 8600 Series Devices

Options

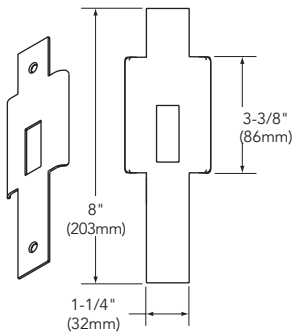
LP & LR8600
Mechanical Options:
12-
16-
19-
36-
37-
54-
55-
56-
56-HK-
58-
76-
85-
86-
87-
AL-
BT-
CPC-
LD-
PL-
* SG-
Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

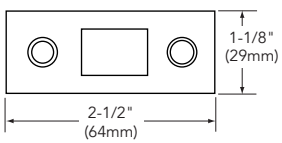
Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

68-1183 Double Lipped LR Mortise Front
- Standard for LR8600
- Stainless steel only



650 Top Strike
- For application in metal frames
- Stainless steel



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LS8600 Low Profile Center & Top Latch Concealed Vertical Rod for Single Door Applications

LS8600 SERIES

Features

- The security of a stainless steel center bolt, concealed top bolt and a low profile device for single doors without bottom rod issues
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) listed
- 1-1/2" total projection from face of door
- Center and top latching
- No visible active chassis
- Center latchbolt adjustable for up to 3/8" (9mm) door gap
- Top case latchbolt projection adjustable through top case
- Tripping potential removed - no bottom strike
- All functions determined by outside trim (ET Trim only)
- Concealed rods for security and aesthetics

Specifications for LS8600 Series Exit

Door Type	Factory prepped metal doors for LP & LR devices
Door Thickness	1-3/4" (44mm) doors only with 2-3/4" (70mm) backset
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	Rails are available in 3 sizes, use door width to determine size needed. • L Rail for 36" door width no cutting required • M Rail for 42" to 44" door width no cutting required • N Rail - 46" to 48" door width no cutting required
Strike	650 Top Strike & C7710 Mortise Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging
Mounting Fasteners	Supplied standard with machine screws
Top & Center Bolts	Stainless steel
Device Centerline from Finished Floor	41" (1041 mm) for Standard Applications Door/Opening Height **Must be specified** - 120" (3048mm) Max Door Opening
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 1-1/2" (38mm) Pushbar Depressed – 5/8" (15mm)
Fire Exit Hardware	See Chart – Page 6

How it works: The mortise lock of the LS device has a stainless steel bolt which projects into the door frame at the center of the door with the additional security of a concealed top bolt.

Note: The following hollow metal door manufacturers are equipped to reinforce and prepare their steel doors for the LS/LP/LR8600 Series Low Profile exit devices: CECO, CURRIES and FLEMING. Please check with any other hollow metal door manufacturers regarding their ability to properly reinforce and prepare their doors for these exit devices.

LS8610 SIDE VIEW

Notes:

1. Available for 1-3/4" (44mm) thick doors only. No glass bead shim kits or inside panel condition permitted.
2. LS/LP/LR8600 are available in the following door sizes only: 36", 42", 44", 46" or 48" (914mm, 1067mm, 1118mm, 1168mm or 1219mm)

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LS8600 Functions and Trims

SARGENT
ASSA ABLOY

How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
55-	LP86	13	F	ETL	RHR	26D	32D	36"	84"	41"

700 Series ET Trim

Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

LS8600 Series: 706-6, 710-6, 713-6, 715-6, 740-6, 743-6, 746-6, 773-6 & 774-6

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73 and 74.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 12 LS8600 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Required & Supplied	LS8606 x ET_
10	01	No outside operation (No Cylinder)	LS8610
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	LS8610 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Required & Supplied	LS8613 x ET_
15	14	Passage Only (No cylinder)	LS8615 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	LS8640 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	LS8643 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Required & Supplied	LS8646 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	LS8673 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	LS8674 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
* Cylinder override is not available with LP 8700 Series Devices

Options

LS8600
Mechanical Options:
12-
16-
19-
36-
37-
54-
55-
56-
56-HK-
58-
76-
85-
86-
87-
AL-
BT-
CPC-
LD-
PL-
* SG-
Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

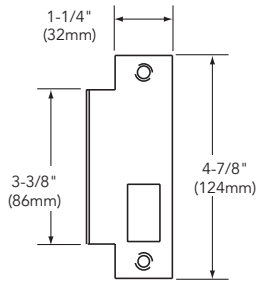
* Only available with 15, 26D and 32D finishes

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

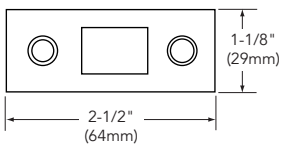
C7710 Mortise Centercase Strike

- Standard for LS8600
- Handed
- Stainless steel only



650 Top Strike

- For application in metal frames
- Stainless steel
- Top strike for Panic & Fire Rated



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MD8600 (Hurricane-Resistant) Concealed Vertical Rod Exit Device for Metal Doors

SARGENT
ASSA ABLOY

MD8600 SERIES CONCEALED VERTICAL ROD EXIT DEVICE FOR METAL DOORS

Features
- Designed for standard width stile applications on hollow metal doors
- Concealed rods for security and aesthetics
- Single and double door applications
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) listed

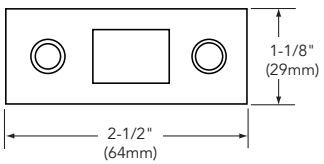
Specifications for MD8600 Series Exit

Door Type	Metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Cladding	Available for 1/4" on 1/2" panels. Specify 31- and panel thickness on order. Only available on 1-3/4" door thickness. Must be noted separately from door thickness on order string.
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	650 Top Strike & 606 Bottom Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with machine screws
Top Bolt	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications
	38" (965mm) for elementary schools
Door/Opening Height	**Must be specified** - 120" (3048mm) Max Door Opening
	96" max door height for HC and WS options
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

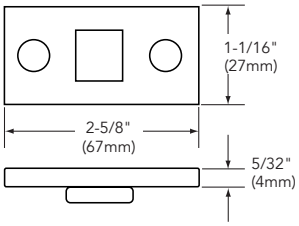
Notes:
- MD8600 & 12-MD8600 can be used as NB- Device by simply not installing the bottom rod/bolt.
- 12-NB Applications require thermal pin. Thermal Pin supplied when ordered as a 12-NB Device.
- Must include "HC" option in the order string to specify Hurricane Resistant product.

100 Series Aux Control
- Available as an 06 or 13 function
- Supplied with a SARGENT #41 Mortise Cylinder
- Can be used with any SARGENT Mortise Key System

650 Top Strike
- For application in hollow metal frames
- Stainless steel nylon coated



606 Bottom Strike
- Furnished with expansion shields
- Mortised into floor
- Stainless steel



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MD8600 Functions and Trims for Metal Doors

SARGENT
ASSA ABLOY

How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
59-	MD86	13	F	ETL	RHR	03	03	36"	84"	41"

700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)
MD8600 Series:
706-4, 710-4, 713-4, 715-4, 740-4, 743-4, 746-4, 773-4, & 774-4

Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim
Voltage must be specified for the following functions: 73 and 74.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 8 MD8600 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	MD8606 x ET_
10	01	No outside operation (No Cylinder)*	MD8610
10	02	No outside operation (No Cylinder)* ET Control is used as Pull Only	MD8610 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	MD8613 x ET_
15	14	Passage Only (No cylinder)	MD8615 x ET_
40	02	Freewheeling Trim - No outside Operation (No Cylinder)* Dummy Trim	MD8640 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	MD8643 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	MD8646 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	MD8673 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	MD8674 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
* Cylinder Override is available with a 106 Aux Control
Example Order: MD8673F 12V x ETMG x 106 x RHR x 32D x 36"w x 84"h

100 Series Auxiliary Control* & 862 Pull		SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	MD8600 Panic & Fire
100 Series Aux. Control	862 Pull	06	12	Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	MD8610 x 106
		10	02	862 Pull Only (Optional Pulls: 863 & 864)	MD8610 x 862 Pull
		13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	MD8610 x 113

Note: When ordering MD8600 Series Exit Device x 100 Series Aux. Control, specify 10 Function for the exit.
Example: MD8610F x 106 x RHR x 32D x 42" x 90"

Options

MD8600
Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-5LH
58-
59-
BC-59-
76-
85-
86-
87-
AL-
BT-
CPC-
HC-
LD-
PL-
* SG-
WS-
Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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90641 10/25

UL Listed Hurricane-Resistant HC8800 Rim Exit Device

SARGENT
ASSA ABLOY

HC8800 SERIES RIM EXIT DEVICE

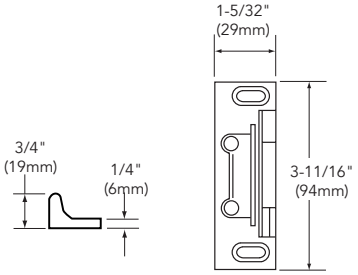
Features
- Designed for standard width stile applications on metal doors. For doors 1-3/4" (44mm) thick.
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) listed

Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied
- E Rail for 24" to 32" door widths, No cutting required for 32" door
- F Rail for 33" to 36" door widths, No cutting required for 36" door
- J Rail for 37" to 42" door widths, No cutting required for 42" door
- G Rail for 43" to 48" door widths, No cutting required for 48" door

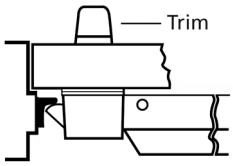
Note: For additional information on 8800 Series, see page 9

HC8800, 12-HC8800 Series Rim Exit Device
- CHASSIS: DUCTILE IRON
- Requires 2 chassis shims and 2 end bracket shims included with the exit device
- Additional information on HC980 Mullions available in Mullion Section of this catalog

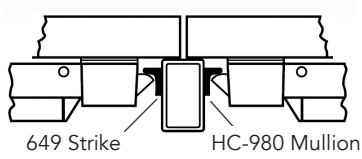
649 Strike
- Supplied standard for panic & fire rated openings
- Surface applied
- Black nylon coated



Single Door
(HC8800)
(12-HC8800)



Double Door HC-8800 with HC-980 Mullion



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90641 10/25

UL Listed Hurricane-Resistant HC8800 Functions and Trims

SARGENT
ASSA ABLOY

How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width
12	HC88	13	F	ETL	RHR	15	32D	36"

700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)
HC-8800 Series: 704, 706-8, 710, 713-8, 715-8, 740, 743-8, 744, 746-8, 773-8, 774-8, 775-8 & 776-8

Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim
Voltage must be specified for the following functions: 73, 74, 75 and 76.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 1 HC8800 Panic & Fire
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	HC8804 x ET_
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	HC8806 x ET_
10	01	No outside operation (No Cylinder)	HC8810
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	HC8810 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	HC8813 x ET_
15	14	Passage Only (No cylinder)	HC8815 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	HC8840 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	HC8843 x ET_
44	03	Freewheeling Trim - Key Retracts Latch #34 Cylinder Supplied	HC8844 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	HC8846 x ET_
75*		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch #34 Cylinder Supplied	HC8875 x ET_
76**		Electrified ET Trim - Fail Secure Power Off, Locks Lever, \Key Retracts Latch #34 Cylinder Supplied	HC8876 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
• 75 Function without cylinder is available as a 73 Function
** 76 Function without cylinder is available as a 74 Function

Options

HC8800
Mechanical Options: 12- 16- 19- 31- 36- 37- 43- 54- 55- 56- 56-HK- 58- 76- 85- 86- 87- BT- CPC- LD- PL- * SG- TB- **Cylinder Options:** 10- 10-21- 10-63- 11- 11-21- 11-60- 11-63- 11-64- 11-70-7P- 11-72-7P- 11-73-7P- 11-65-73-7P- 21- 51- 52- 60- 63- 64- 70- 72- 73- 65-73- 65-73-7P- 73-7P- 81- 82- F1-82- 83- F1-83- 84- BR- LC- SC- SE-

* Only available with 15, 26D and 32D finishes

Pull Section			Trim Designations • Use three letter designations (Ex "PTB") when ordering the Exit Device with Trim • Use the six digit designation (Ex "814-MSL") when ordering trim without an Exit Device, always specify finish					
SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)						 HC800 Panic & Fire
04	03	Night Latch-Key Retracts Latch #41 Cylinder Supplied	814-FSL*	814-FSW*	814-MSL*	814-PSB*	814-STS	HC8804 x Trim Designation
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	HC8810 x Trim Designation

* FSL, FSW, MSL and PSB trims are used with (HC-& 12-) 8888 and 8804 only and are the same as FLL, FLW, MAL and PTB pulls except for cylinder hole located 3/8" (9mm) lower
Note: FLW & FSW trims are not available in 32(629) or 32D(630)
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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UL Listed Hurricane-Resistant WS8800 Rim Exit Device

SARGENT
ASSA ABLOY

WS8800 SERIES RIM EXIT DEVICE

Features

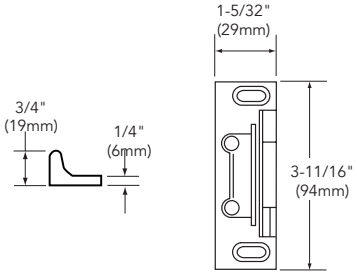
- WS 8800 available for single hollow metal door applications for 1-3/4" thick door, 3'0" x 7'0" max, with 6" min stile
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL305 (Panic) Listed

WS8800 rails are available in 2 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied

- E Rail for 24" to 32" door widths, No cutting required for 32" door
- F Rail for 33" to 36" door widths, No cutting required for 36" door

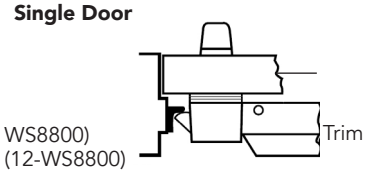
Note: For additional information on 8800 Series, see page 9

649 Strike
- Supplied standard for panic & fire rated openings
- Surface applied
- Black nylon coated



WS8800, 12-WS8800 Series Rim Exit Device
- Chassis: Non Fire Rated - Nonferrous alloy
- Requires 3 chassis shims and 3 end bracket shims included with the exit device

Single Door



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UL Listed Hurricane-Resistant WS8800 Functions and Trims

SARGENT
ASSA ABLOY

How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width
12	WS88	13	F	ETL	RHR	15	32D	36"

700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)
HC-8800 Series: 704, 706-8, 710, 713-8, 715-8, 740, 743-8, 744, 746-8, 773-8, 774-8, 775-8 & 776-8

Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim
Voltage must be specified for the following functions: 73, 74, 75 and 76.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 1 WS8800 Panic & Fire
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	WS8804 x ET_
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	WS8806 x ET_
10	01	No outside operation (No Cylinder)	WS8810
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	WS8810 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	WS8813 x ET_
15	14	Passage Only (No cylinder)	WS8815 x ET_
40	02	Freewheeling Trim - No outside Operation (No Cylinder) Dummy Trim	WS8840 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	WS8843 x ET_
44	03	Freewheeling Trim - Key Retracts Latch #34 Cylinder Supplied	WS8844 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	WS8846 x ET_
75*		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch #34 Cylinder Supplied	WS8875 x ET_
76**		Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch #34 Cylinder Supplied	WS8876 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
* 75 Function without cylinder is available as a 73 Function
** 76 Function without cylinder is available as a 74 Function

Pull Section			Trim Designations • Use three letter designations (Ex "PTB") when ordering the Exit Device with trim • Use the six digit designation (Ex "810-MAL") when ordering trim without an Exit Device, always specify finish					
SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)						WS800 Panic & Fire
04	03	Night Latch-Key Retracts Latch #34 Cylinder Supplied	814-FSL*	814-FSW*	814-MSL*	814-PSB*	814-STS	WS8804 x Trim Designation
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	WS8810 x Trim Designation

* FSL, FSW, MSL and PSB trims are used with (HC-& 12-) 8888 and 8804 only and are the same as FLL, FLW, MAL and PTB pulls except for cylinder hole located 3/8" (9mm) lower
Note: FLW & FSW trims are not available in 32(629) or 32D(630)
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

Options

HC8800 & WS8800
Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
54-
55-
56-
56-HK-
58-
76-
85-
86-
87-
BT-
CPC-
LD-
PL-
* SG-
TB-
Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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UL Listed Hurricane-Resistant WS8900 Mortise Lock Exit Device

SARGENT
ASSA ABLOY

WS8900 SERIES MORTISE LOCK EXIT DEVICE

Features

- WS8900 available for Single Hollow Metals Doors applications for 1-3/4" Thick door, 3'0" x 7'0" Max. Door with 6" Min Stile
- Requires 4 chassis shims and 4 end bracket shims to be included with exit device
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL305 (Panic) Listed

WS8900 rails are available in 2 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied

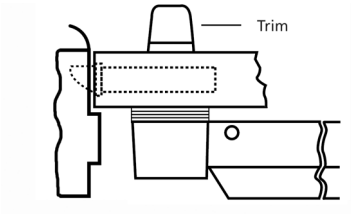
- E Rail for 24" to 32" door widths, No cutting required for 32" door
- F Rail for 33" to 36" door widths, No cutting required for 36" door

Note: For additional information on 8900 Series and Windstorm Ratings for the standard 8900 Series, see page 13

Single Door

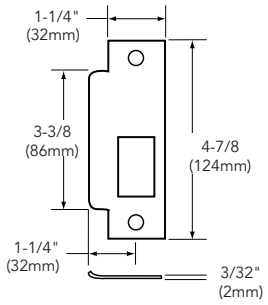
WS8900, 12-WS8900 Series Mortise Exit Device

- Requires 4 chassis shims and 4 end bracket shims included with the exit device



C908 Standard Strike

- Curved lip ANSI A-115.1
- Handed. 1-1/4" (32mm) lip standard
- Longer lips in increments of 1/4" (6mm) through 2-7/8" (73mm) available
- Black nylon coated



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UL Listed Hurricane-Resistant WS8900 Functions and Trims

SARGENT
ASSA ABLOY

How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width
11-63-	WS89	13	F	ETL	RHR	14	32	36"

700 Series ET Trim

Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

WS8900 Series: 704, 706, 710, 713, 715, 716, 740, 743, 744, 773, 774, 775 & 776

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73, 74, 75 and 76.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	WS8900 Panic & Fire
04	03	Night Latch Key Retracts Latch #46 Cylinder Supplied	WS8904 x ET_
06	09	Key unlocks Trim, Trim retracts Latch/ Trim relocks when key is removed #41 Cylinder Supplied	WS8906 x ET_
10	01	No outside operation (No Cylinder)	WS8910
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	WS8910 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	WS8913 x ET_
15	14	Passage Only (No cylinder)	WS8915 x ET_
16	10	Key Outside Retracts Latch; Key Inside Unlocks/Locks O/S Trim O/S #46 & I/S #34 Cylinder Supplied	WS8916 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	WS8940 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	WS8943 x ET_
44	03	Freewheeling Trim - Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied	WS8944 x ET_
75*		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied	WS8975 x ET_
76**		Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied	WS8976 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
* 75 Function without cylinder is available as a 73 Function
** 76 Function without cylinder is available as a 74 Function

Pull & Thumbpiece Trim Section			Trim Designations • Use three letter designations (Ex "PTB") when ordering the Exit Device with trim • Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify finish & hand					
SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)						WS8900 Panic & Fire
04	03	Night Latch Key Retracts Latch #41 Cylinder Supplied	814-FLL	814-FLW	814-MAL	814-PTB	814-STS	WS8904 x Trim Designation
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	WS8910 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	WS8928 x Trim Designation
63	05	Key Outside Unlocks/ locks Thumbpiece #41 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	WS8963 x Trim Designation
66	07	Key Outside Retracts Latch; Key Inside Unlocks/Locks O/S Trim O/S #34 & I/S #41 Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	WS8966 x Trim Designation

Note: Thumbpiece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately
Note: FLW trim is not available in 32(629) or 32D(630)
Note: Thumbpiece Trims used with Mortise Lock Exit Devices are handed
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

Options

WS8900
Mechanical Options:
12-
16-
19-
23-
31-
36-
37-
43-
54-
55-
56-
56-HK-
58-
76-
85-
86-
87-
BT-
CPC-
LD-
PL-
** SG-
Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
*SC-
*SE-

* Options are not available with the following functions: 04 x ET, 16, 44, 75 & 76
** Only available with 15, 26D and 32D finishes

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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UL Listed Hurricane Resistant HC4-8700 Surface Vertical Rod Device

SARGENT
ASSA ABLOY

HC4-8700 SERIES SURFACE VERTICAL ROD EXIT DEVICE

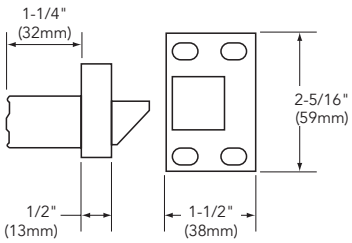
Features
- Meets the abuse and high wind loads required by Florida building code including HVHZ.
- Devices are ANSI/BHMA A156.3 - Grade 1

Note: For additional information on 8700 Series, see page 14

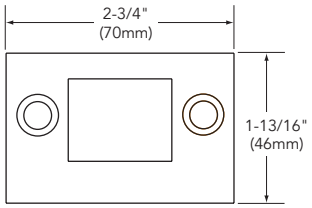
Openings	8'0" x 8'0" (2438mm x 2438mm)
Strikes	659 Top Strike in frame with larger mounting screws for both top and bottom cases. 655 bottom strike furnished standard
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	659 Top Strike (Panic and Fire Rated) 655 Bottom Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Top & Bottom Bolt	Stainless steel
Device Centerline	41" (1041 mm) for Standard Applications 38" (965mm) for elementary schools
Door/Opening Height	**Must be specified** - 96" (2438mm) Max Door Opening
Fire Exit Hardware	See Chart – Page 6

Note: Approved single openings cannot be used as a pair, but a door in a pair can be used as a single opening.

659 Top strike
- For hc4-8700/12-hc4-8700
- Latchbolt nylon coated
- Stainless steel



655 Bottom strike
- For hc4-8700/12-hc4-8700
- Stainless steel
- Black nylon coated



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UL Listed Hurricane Resistant HC4-8700 Functions and Trims

SARGENT
ASSA ABLOY

How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
10-63-	HC4-87	13	F	ETL	RHR	15	32D	36"	84"	41"

700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)
HC4-8700 Series: 706, 710, 713, 715, 740, 743, 746, 773 & 774

Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim
Voltage must be specified for the following functions: 73 and 74.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 2 HC4-8700 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	HC4-8706 x ET_
10	01	No outside operation (No Cylinder)	HC4-8710
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	HC4-8710 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	HC4-8713 x ET_
15	14	Passage Only (No cylinder)	HC4-8715 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	HC4-8740 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	HC4-8743 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ relocks when key is removed #41 Cylinder Supplied	HC4-8746 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)	HC4-8773 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)	HC4-8774 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor

Pull & Thumbpiece Trim Section			Trim Designations • Use three letter designations (Ex "PTB") when ordering the Exit Device with trim • Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify finish & hand					
SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)						HC4-8700 Panic & Fire
10	02	Pull Only (No Cylinder)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	HC4-8710 x Trim Designation

Note: FLW trim is not available in 32(629) or 32D(630)
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D except

Options

HC4-8700
Mechanical Options: 12- 16- 19- 31- 36- 37- 43- 53- 54- 55- 56- 56-HK- 58- 59- BC-59- 76- 85- 86- 87- BT- CPC- LD- PL- * SG- TB-
Cylinder Options: 10- 10-21- 10-63- 11- 11-21- 11-60- 11-63- 11-64- 11-70-7P- 11-72-7P- 11-73-7P- 11-65-73-7P- 21- 51- 52- 60- 63- 64- 70- 72- 73- 65-73- 65-73-7P- 73-7P- 81- 82- F1-82- 83- F1-83- 84- BR- LC- SC- SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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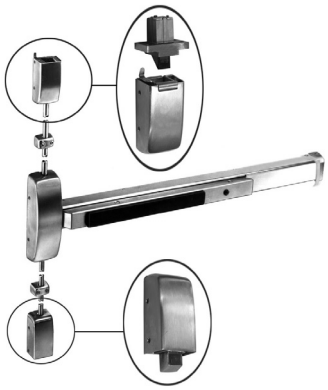
UL Listed Hurricane-Resistant HC8700 Surface Vertical Rod Exit Device

SARGENT
ASSA ABLOY

HC8700 SERIES SURFACE VERTICAL ROD EXIT DEVICE



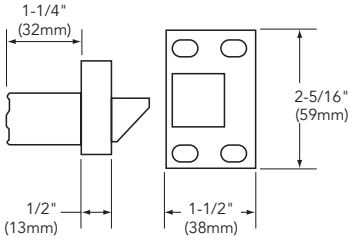
Features
- Meets the abuse and high wind loads required by Florida building code including HVHZ.
- Accepted & approved with CURRIES hollow metal doors and McKINNEY hinges. Any substitution of hardware makes the Hurricane Code inapplicable.
- Devices are ANSI/BHMA A156.3 - Grade 1

Note: For additional information on 8700 Series, see page 14

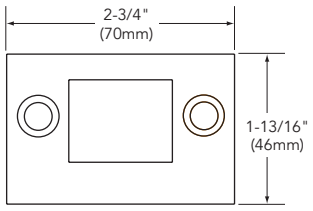
Openings	8'0" x 8'0" (2438mm x 2438mm) Curries 16 gauge 747 flush, S edge
Frames	CURRIES 16 gauge KD, Pipe spacer anchors only, 12 gauge full sleeve reinforcing and existing opening anchor in head of frame
Hinges	McKINNEY TA2714 or T2714
Hardware Configuration 1	SARGENT HC8700 or 12-HC8700 Exit Devices on both leaves
Hardware Configuration 2 Vertical Rod Exit & Mortise Lock	SARGENT 8200 Series mortise lock (active), SARGENT HC8700 or 12-HC8700 exit devices (inactive),Ives 360 surface bolts at 5 3/4" (147mm) at centerline
Strikes	654 top bolt in frame with larger mounting screws for both top and bottom cases. 655 bottom strike furnished standard
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	654 Top Latch (Panic and Fire Rated) 655 Bottom Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Top & Bottom Bolt	Stainless steel
Device Centerline	41" (1041 mm) for Standard Applications 38" (965mm) for elementary schools
Door/Opening Height	**Must be specified** - 96" (2438mm) Max Door Opening
Fire Exit Hardware	See Chart – Page 6

Note: Approved single openings cannot be used as a pair, but a door in a pair can be used as a single opening.

654 Top Latch
- For HC8700/12-HC8700
- Latchbolt nylon coated
- Stainless steel



655 Bottom Strike
- For HC8700/12-HC8700
- Stainless steel
- Black nylon coated



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UL Listed Hurricane-Resistant HC8700 Functions and Trims

SARGENT
ASSA ABLOY

How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
10-63-	HC87	13	F	ETL	RHR	15	32D	36"	84"	41"

700 Series ET Trim

Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

HC8700 Series: 706, 710, 713, 715, 740, 743, 746, 773 & 774

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73 and 74.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 2 HC8700 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	HC8706 x ET_
10	01	No outside operation (No Cylinder)*	HC8710
10	02	No outside operation (No Cylinder)* ET Control is used as Pull Only	HC8710 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	HC8713 x ET_
15	14	Passage Only (No cylinder)	HC8715 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim	HC8740 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	HC8743 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ relocks when key is removed #41 Cylinder Supplied	HC8746 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	HC8773 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	HC8774 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
* Cylinder Override is available with a 306 Aux Control
Example Order: 8773F 12V x ETMG x 306 x RHR x 32D x 36"w x 84"h

300 Series* Auxiliary Control & 862 Pull		SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	HC8700 Panic & Fire
300 Series Aux. Control	862 Pull	06	12	Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	HC8710 x 306
		10	02	862 Pull Only (Optional Pulls: 863 & 864)	HC8710 x 862
		13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	HC8710 x 313

Pull & Thumbpiece Trim Section			Trim Designations • Use only letter designations when ordering the Exit Device with trim • Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify finish					
SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)						HC8700 Panic & Fire
10	02	Pull Only (No Cylinder)*	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	HC8710 x Trim Designation

* Cylinder Override is available with a 306 Aux Control
Note: FLW trim is not available in 32(629) or 32D(630)
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

Options

HC8700
Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
58-
59-
BC-59-
76-
85-
86-
87-
BT-
CPC-
LD-
PL-
* SG-
TB-
Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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SARGENT
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UL Listed Tornado-Resistant FM8700 Surface Vertical Rod Exit Device

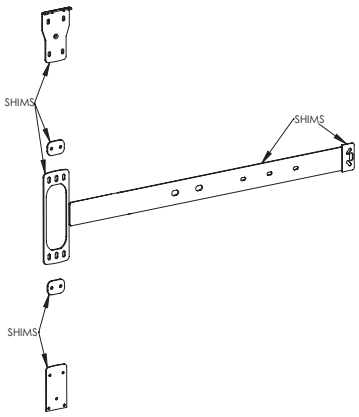
FM8700 SERIES SURFACE VERTICAL ROD EXIT DEVICE

FEATURES
- 2-point latching exit device
- UL Listed in compliance with ICC 500 (2014/2020) and FEMA P-361 (2015)
- Specially machined rail and internal components make the FM8700 sturdier and more robust than standard products
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) Listed

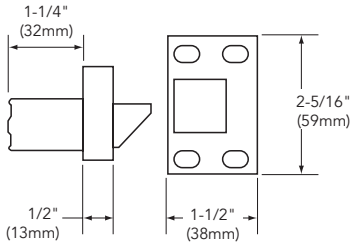
Specifications

Doors and Frames	**CECO DOOR and CURRIES StormPro® Series Door Assemblies** - 6'0" x 6'8" to 8'-0" x 8'-0" for pairs of fire rated doors - 3'0" x 6'8" to 4'-0" x 8'-0" for single fire rated doors (Requires 4 Thermal Pins)
Hardware	SARGENT FM8700 or 12-FM8700 Exit Device on both leaves or single door applications
Hinges	McKinney SP3386/SP3786 StormPro® Tornado Resistant Butt Hinges McKinney MCK-HG305 Continuous Hinges Markar HG305 Continuous Hinges
Strikes	659 Top Strike in frame and 653 Bottom Strike furnished standard 655 Bottom Strike optional
Shim Kit	569 Shim Kit furnished standard
Rail sizes as determined by door width	Rails are available in 3 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • F Rail for 36" door width • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Dogging Feature	Hex key dogging available on non fired rated devices only
Electric Options	54- Outside Lever Monitoring Option
Mounting Fasteners	Supplied standard with machine screws and with throughbolts for the latch cases
Top & Bottom Bolt	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications 38" (965mm) for elementary schools
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

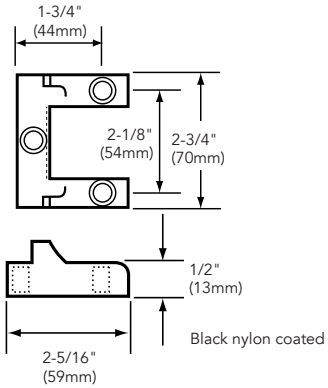
569 Shim Kit



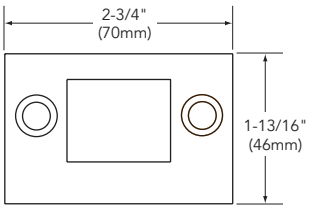
659 Top Strike
- For Panic & Fire Rated
- Latchbolt nylon coated
- Stainless steel



653 Bottom Strike
- Provided as standard
- Panic and Fire-Rated



655 Bottom Strike
- Stainless steel
- Black nylon coated
- UL305, UL10C and BHMA Grade 2 Certified



Note: See assembly guide card UL website for all available FEMA and ICC 500 (2014/2020) rated options
655 Strike must be specified at time of order. Default option remains 635 strike

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UL Listed Tornado-Resistant FM8700 Functions and Trims

How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
12-	FM87	06	F	ETL	RHR	15	32D	36"	84"	41"

700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)
FM8700 Series: 706, 710, 740, 743, 746 & 774

Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim
Voltage must be specified for the following functions: 73 and 74.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 2 FM8700 (Panic & Fire)
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	FM8706 x ET_
10	01	No outside operation (No Cylinder)*	FM8710
10	02	No outside operation (No Cylinder)* ET Control is used as Pull Only	FM8710 x ET_
13	08	Key oustide unlocks/locks trim #41 cylinder supplied	FM8713 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim	FM8740 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	FM8743 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ relocks when key is removed #41 Cylinder Supplied	FM8746 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	FM8774 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
* Cylinder Override is available with a 306 Aux Control
Example Order: FM8774F 12V x ETMG x 306 x RHR x 32D x 36"w x 84"h

300 Series* Auxiliary Control	SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	FM8700 Panic & Fire
300 Series Aux. Control	06	12	Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	FM8710 x 306
	13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	FM8710 x 313

Options

FM8700
Mechanical Options:
12-
36-
37-
43-
54-
76-
85-
86-
87-
CPC-
LD-
PL-
* SG-
TB-
Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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ElectroLynx® Information and Option Compatibility Chart

ELECTROLYNX CONNECTOR & COLOR CHART

Electrifed Trim (Solenoid ET and/or 54-) requires its own QC8 Hinge

Product	8 Pin Connector							
	1- Black	2- Red	3- White	4- Green	5- Orange	6- Blue	7- Brown	8- Yellow
Electrified Exit Trim	**Power**		**Lever Monitoring**					
Solenoid Functions and Lever Monitoring	solenoid ET Trim		54- Switch Option					
	NEG	POS	C	NO	NC			

Note: For more information on ElectroLynx® Retrofit Kits and harnesses, see instruction document A7738, located at the SARGENT web site

Electrified Exit Devices will require their own QC8 or QC12 Hinge as determined by specified options (see chart below)

Product	8 Pin Connector								4 Pin Connector				Flying Leads		
	1- Black	2- Red	3- White	4- Green	5- Orange	6- Blue	7- Brown	8- Yellow	9- Violet	10- Gray	11- Pink	12- Tan	13-Red/ Green	14-Red/ Yellow	14-Red/ Black

Exit Devices	Power		Latch Monitoring			Rail Monitoring			56-	
80 Series Exits	56- & 58-		53- Switch Option			55- Switch Option			56- Timer Circuit	
	NEG	POS	C	53-NO 56-EG	53-NC 53-56-NO	C	NO	NC	A	B

Delayed Egress Exit Devices															
59-80 Series Electroguard	Power		Fire Alarm	Earth Ground	External Inhibit	Door Status	Remote Alarm Relay			LBM - OPTION			VOICE/GANG		
	NEG	POS					C	NO	NC	C	NO	NC	C	NO	NC

All electrical options are supplied with ElectroLynx® connectors and require McKINNEY QC Hinges and cables to complete the system

Electrical Option Availability Chart

Primary Options	Compatible Options								
12- Fire Rated	AL-	BT-			53-	55-	56-	58-	59-
*AL- Alarmed Exit			12-		53-			58-	
16- Cylinder Dogging					53-	55-	56-	58-	
53- Latch Monitoring	AL-		12-	16-‡-		55-	56-	58-	
55- Rail Monitoring			12-	16-‡-	53-		56-	58-	
56- Electric Latch Retraction			12-	16-‡-	53-	55-			
58- Electric Dogging	AL-		12-	16-‡-	53-	55-			
**59- Electroguard®			12-						

How to use this chart: Select appropriate option in the left column, under "Primary Option", then follow the row to find compatible options.
Note: Underlined compatible options affect minimum door width. Consult factory
*** The AL- design includes monitored push rail**
**** The 59- design includes monitored push rail and latch**

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Security Shim Kit

EXIT DEVICE SECURITY SHIM KIT

The SARGENT 541 Exit Device Security Shim Kit fills the gap between the exit device and the glass creating a flush surface. This kit can be easily trimmed and installed to accommodate most door styles without removing the SARGENT push rail exit device.

This not only responds to the ever increasing need for improved building security, but also maintains the facility's aesthetic design.

FEATURES & BENEFITS:

- Nylon and brushed aluminum construction can be easily cut and trimmed for custom fit
- Fits all doors up to 48" wide and stiles ranging from 4-1/2" to 6"
- Adjustment shims accommodate gaps from 3/8" to 3/4"
- 6 Lobe tamper proof security screws are included
- A T10 Torx driver required for assembly
- Fasteners are countersunk for flush finish
- 541 Kit contains a 48" shim, ready to be sized

How to order:

- 541 Kit

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SARGuide™ Options (PL-) and Latch Bolt Monitoring Option (53-)

PL- PHOTOLUMINESCENT OPTION (NON-ELECTRIFIED)

SARGuide® PL Exit Device – with photoluminescent coating – is a non electrical option which produces visible EXIT signage in darkness or low lit areas.

- Approved for use in New York City in accordance with RS 6-1 and RS 6-1A
- Recharges from ambient light
- No wiring or maintenance needed
- Available for all door widths
- Order as a PL- option

(e.g., PL-8713F x ETMA x 32D x 36" x 84")

LiteGuide™

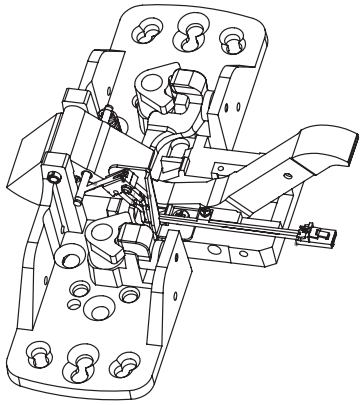
As part of their promise to provide innovative solutions to their customers, ASSA ABLOY Group companies offer the LiteGuide™ system, a luminescent egress marking system. LiteGuide™ installation is facilitated by ASSA ABLOY's ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door.

LiteGuide™ is a trademark of ASSA ABLOY Inc.

53- LATCH BOLT MONITORING OPTION

The latch monitor provides tamper resistant latch monitoring, not just rail movement sensing. The monitor switch is activated when the rail is depressed or where there is movement of the latch.

- Switch type SPDT form "C" contacts
- 30 VDC@2 Amp. maximum rating
- All wires run through rail
- Field installation kits are not available
- Available for all door widths
- Adjustable switch bracket to fine tune sensitivity: set screw pivot bracket allows precise adjustment for more accurate notification of latchbolt movement (8500 and 8800 Series only).
- Available with all 80 Series Devices, except LP, LR, LS, FM8700
- 5lb. pressure released (5CH) option available.
- See page 74 for compatible options
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 53- option
  (e.g., 53-8813F x ETJ x 32D x 36" Door)



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Alarm Option (AL-)
Request-to-Exit Option (55-)

AL- ALARM OPTION

SARGENT's AL-80 Series Exit Devices are designed for areas requiring a stand-alone alarm on outward swinging doors. This device has an integrated alarm in the push rail to discourage the unauthorized use of emergency exit doors. The alarm inside the rail sounds immediately upon exit. The AL-80 Series is ideal for rear exterior doors, doors leading to a rooftop, or anywhere security is a concern.

FEATURES

- Microprocessor based alarm board
- When armed, alarm sounds immediately upon rail depression
- All exit devices have tamper resistant latching (Guarded Latch)
- Battery powered – 9VDC
- 103 Db @ 8 ft pulsating horn
- Flashing red LED provides visible violation indication, reset by key only
- Low battery alert
- Field selectable continuous alarm option- 9VDC 300mAh Supply and 546 Harness recommended
- Automatic re-arming option
- Supplied with a #41 (1-1/8") with standard off set cam
- UL Listed and cUL Listed
- UL Listed to Canadian Safety Standards
- Rail Monitoring & Guarded Latch are standard internal features
- Available with all 80 Devices, except LP, LR, LS8600, FM8700,WS & HC8800 Devices
- Minimum Door Widths:
  - Wide Stile Door : E-n/a; F-36" only; J-42"-39"; G-48"-43"
  - Narrow Stile Door: E-32" only; f-36"-34"; J-42"-37"; G-48"-43"
- See page 74 for compatible options
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements (if hard wired)
- Order as an AL- option (e.g., AL-8916F x ETJ x 32D x 36" Door)

545 ALARM RETROFIT KITS

Alarm retrofit kits available for the following 80 Series devices - 8300, MD8600, WD8600, GL-8800, and 8900 only. (GL-8800: Rim device with guarded latch)

Kit #	Device Style	Pivot to Pivot	Rail Size
545-1	Wide	11-1/4"	F
545-2	Narrow	11-1/4"	F
		8-1/2"	E
*545-3	Wide	20-1/2"	G
545-4	Narrow	20-1/2"	G
545-6	Narrow	14"	J
545-7	Wide	14"	J

*Note: #41 Cylinder is not supplied standard and must be ordered separately

546 WIRING HARNESS

Harness allows for remote control of the alarmed exit device

- Remote Alarm Reset–reset from remote location
- External Inhibit – shunts alarm from remote location
- Remote Power – allows unit to be wired to a 9VDC 300mAh power supply
- Remote Monitor – allows unit to be wired to remote console
- Order as:
  - 546 - Wiring Harness (For AL- option) - Mfg. prior to 7/1/04
  - 546-F - Wiring Harness for F-Size Rails - Mfg. after 7/1/04
  - 546-G - Wiring Harness for G-Size Rails - Mfg. after 7/1/04
  - 546-J - Wiring Harness for J-Size Rails - Mfg. after 7/1/04

55- REQUEST-TO-EXIT OPTION

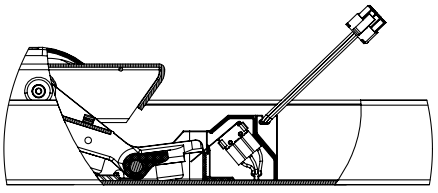
SARGENT Request-to-Exit Signal Switch option for exit devices provides push rail monitoring for a variety of applications; such as to sound an alarm, initialize a delayed egress system, or de-energize an electromagnetic lock.

Switch type SPDT form "C" contacts

- 30 VDC@2 Amp. maximum rating
- All wires run through rail
- Available with all 80 Series devices, except for FM8700
- 5lb. pressure released (5CH) option available.
- See page 74 for compatible options
- Minimum Door Widths:
  - Wide Stile Door 24"
  - Narrow Stile Door 24"
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 55- option (e.g., 55-8913F x ETMA x 32D x 36")

UNIVERSAL 855 RETROFIT KIT

- Retrofits existing 80 Series device installations with Request-to-Exit Signal Switch option
- Available for wide and narrow stile devices and 8895 Active Dummy Rail
- Compatible with all rail sizes (E, F, J, G), minimum rail length 26"
- Can not be used with 56- rails
- To order separately, order as 855



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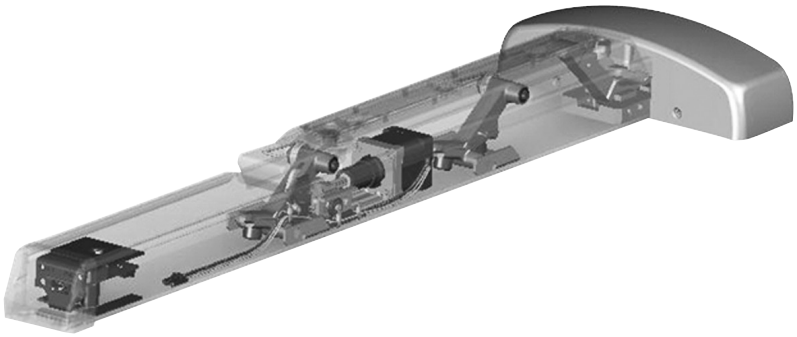
Electric Latch Retraction Option (56-)

SARGENT’s Electric Latch Retraction exit device is the perfect choice for high traffic egress doors that require access control. This non-handed exit device rail is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner.

The 56- exit device can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can be dogged continuously on fire-rated devices that are tied into the building’s fire detection system.



56- ELECTRIC LATCH RETRACTION FEATURES

- 5 year warranty
- Patent pending and/or patent www.assaabloydss.com/patents
- Field serviceable -modular design
- Motor driven latch retraction for smooth, precise operation
- Amount of rail retraction is automatically controlled by the 56- circuitry; System actively monitors its position and adjusts itself
- Digital retraction timer (0-20 seconds; factory setting is 5 seconds)
- Non-contact Request-to-Exit (55-) switch available
- Retrofit kits available - see next page
- Standard electric hinge - no special power transfer required
- Can be used for continuous and intermittent use
- UL Listed for Class II Circuitry
- 5lb. pressure released (5CH) option available.
- Power Requirements: 24VDC regulated/filtered power supply (LSP-12-24)
- Current draw: .6A during retraction and .25A maintained in dogged hold position
- Requires 1A at 24VDC regulated/filtered power supply
- Available for all 80 Series exit devices (except FM8700)
- See page 74 for compatible options
- Minimum Door Widths:
  - Wide Stile Door 28"
  - Narrow Stile Door 28"
- See McKINNEY’s Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 56- option
  (e.g., 56-HK-8913F x ETMF x 32D x 36")

Note: HK- and 16- are not available for Fire Rated Doors

Note: The 56- Option is not supplied with Manual Dogging (Hex Key or Cylinder Dogging) unless specified

OPTIONAL ACCESSORIES

- LSP-12-24 Power Supply
- 4370 Keyswitch
- 4291/4292 Keypad
- 3287 Door Status Switch
- Norton Automatic Door Operator
- Norton ADA Push Switch or Wave to Open Switch

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Electric Latch Retraction Motor Kits and Push Rail Kits

SARGENT
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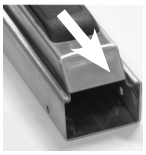
M56- Motor Retrofit Kits

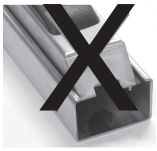
The 56- Motor Retrofit Kits can only be added to 80 Series Exit Devices* manufactured after 2006 & P Series Exit Device

Upgradeable Design



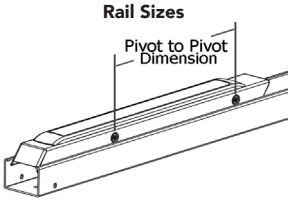
Exit Devices that are upgradable have straight push rail nose & tail; manufactured starting in 2007

Upgrade using R56 Kits only



Exit Devices with a stepped Nose & Tail, produced prior to 2007, require the R56 Kits; the Push must be replaced

Rail Sizes



Rail Size is determined by the Pivot to Pivot Dimensions

56- Push Retrofit Kit Number	Type of Device to be Upgraded	Kits Description: 56- Motor Kits	
M56A x Rail Size--	80 Series & P Series Exit Device*	Retrofits standard mechanical rail. Contains ribbon wiring.	8-1/2" = "E" Rail**
M56B x Rail Size	53-80 Series Exit Devices*	Retrofits 53- Exit Devices. Does not include 53- Signal Switch. Contains wiring to reconnect to the pre-existing 53- Chassis Signal Switch.	11-1/4" = "F" Rail**
			14" = "J" Rail
			20-1/2" = "G" Rail

* Except Exit Devices with a stepped Nose & Tail, produced prior to 2007 and all FM8700 Series Exit Devices
** Motor Retrofit Kits are identical for E and F size Rail Assemblies

- 55-M56 Kit: Request to Exit Signal Switch is integrated into the connecting arm within the rail
- 56- Motor Retrofit Kits can be used with 855 Request to Exit Kit or 816 Cylinder Dogging Kits
- Kits require a minimum insert length of 5" for 56- & 7" for 16-56- for the electronics
- Rail size is needed when ordering to supply the correct length wires

Option Available: 55- Non-Contact Request to Exit switch
How to Order: M56A (Kit #) x F (Rail Size)
Kit includes: Motor Bracket Assy, Motor Controller & Fasteners

R56- Retrofit Kits with Push Rail

The 56- Push Retrofit Kits can only be added to 80 Series* Exit Device manufactured after 1995

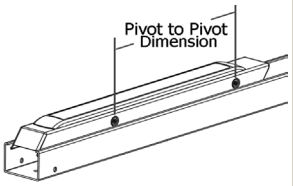
Upgradeable Design

Upgradable Exit Devices do not have Pivots in the Mtg Rails; manufactured starting in 1995

Mounting Rail Pivots

Devices with Mounting Rail Pivot Pins can Not be upgraded

Rail Sizes



Rail Size is determined by the Pivot to Pivot Dimensions

56- Push Retrofit Kit Number	Type of Device to be Upgraded	Kit Descriptions: 56- Push Retrofit Kits	
R56A x Rail Size & Finish	80 Series Exit Device*	Retrofits standard mechanical rail. Contains ribbon wiring.	8-1/2" = "E" Rail
R56B x Rail Size & Finish	53-80 Series Exit Devices*	Retrofits 53- Exit Devices. Does not include 53- Signal Switch. Contains wiring to reconnect to the pre-existing 53- Chassis Signal Switch.	11-1/4" = "F" Rail
			14" = "J" Rail
			20-1/2" = "G" Rail

* Except 80 Series Exit Devices produced prior to 1995 and all FM8700 Series Exit Devices
- Adding a R56 Kit to a 55- Rail, the 55- Switch will be eliminated.
- For 55-56- Rail Assemblies, use either a 55-R56 Kit or a R56 Kit with a 855 Kit
- R56A & R56B Kits can be used with 855 Request to Exit Kit or 816 Cylinder Dogging Kits
- Kits require a minimum insert length of 5" for 56- & 7" for 16-56- for the electronics

Options:
19- Push Rail less the Black Lexan Touch Pad
55- Non-Contact Request to Exit switch
HK- Hex Key Dogging to allow for manual dogging of the device
SG- MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)

How to Order: R56A (Kit #) x F (Rail Size) x 32D (Finish);
Kit includes: Motor Bracket & Push Rail Assy, Motor Controller & Fasteners

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Electric Dogging Option (58-)

58- ELECTRIC DOGGING

Libraries, auditoriums, theaters, courtrooms, churches and schools benefit from the convenience of electric dogging (unlocking). When the 58-80 Series exit device is energized and the push rail is depressed, it will continuously hold the push rail down and the latch(es) will be held retracted.
When the device is de-energized or power is interrupted, the latch(es) will extend. This feature is ideal for areas that require the silent operation of exit device hardware.

58- FEATURES

- Provides quiet ingress and egress when dogged
- Standard electric hinge - no special power transfer required
- Manual hex key dogging provided on non-fire rated devices
- UL Listed for Panic and Fire (12-)
- Holding force 70 lbs. min.
- Power Requirements: 24VDC regulated/filtered power supply (LSP-12-24)
- Current draw: .2 amp
- Available for all 80 Series Devices, except FM8700 Devices
- See page 74 for compatible options
- Available for all door widths
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 58- option (e.g., 58-8813F x ETJ x 32D x 36" Door)

OPTIONAL ACCESSORIES

- 4370 Key Switch
- 3287 Door Status Switch
- LSP-12-24 Power Supply

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ElectroGuard Delayed Egress Option (59-)

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ASSA ABLOY

59- SELF CONTAINED DELAYED EGRESS DEVICE

Commonly used in schools, nursing homes, shopping centers and libraries, delayed egress exit devices provide a means of monitoring egress to prevent unauthorized exit. When the exit device push pad is depressed, the 59-80 Series delayed egress exit device sounds an alarm from the rail to alert personnel that someone is attempting egress. The exit device stays secure for fifteen seconds, allowing time for personnel to respond.

Momentary release for egress (adjustable for 5, 10, 20 or 40 seconds) is provided by a cylinder on the rail or from a remote location. When the fire alarm system is activated (if connected), the exit device disarms and allows immediate egress.

Note: As of February 2014, the 59- option has a new design. The updated 59- functionalities utilize new sensor technologies and is only available for order as a complete device. Component upgrades are not offered with prior generation products because wire harnesses are not backwards compatible. When replacing an existing device with an updated one, there is no change to door templating or mounting.

59- FEATURES

Compliance
- Conforms to NFPA 101 Special Locking Arrangements
- Available in UL Listed Panic and Fire Rated (12- option) devices
- UL294 Listed for Special Locking Arrangements
- When ordered with BC- option, complies with BOCA code relating to delayed egress. Requires door status switch (3287) ordered separately

Operation
- Depressing the push rail for one second or longer initiates an alarm
- LED visual notification system for easy identification of armed device; LED lights are field-selectable as red or green
- Momentary or maintained egress with key OR from a remote location
- Alarm disabled by key in the rail OR by remote reset
- Alarm sounds for fifteen seconds during unauthorized egress; after fifteen seconds lock releases. 30 second delay available with written permission of Authority having Jurisdiction
- Field adjustable nuisance delay (0 or 1 second)
- External inhibit features with authorized egress, card reader access and scheduled delayed egress from access control panel

Specifications
- Rod guards must be used on surface vertical rod devices. Consult factory for more information
- Standard size 41 mortise cylinder in rail
- Field adjustable momentary time delay preset for five seconds at factory
- 80dB horn enclosed in rail assembly
- Uses standard electric hinge - no special power transfer required
- Guarded & monitored latch and rail standard
- Power Requirements: 24VDC regulated/filtered power supply
- Key override capabilities
- Current draw: .2 amp. nominal, .5 amp (max) with optional features
- Minimum Door Widths:
  - Wide Stile Door 32"
  - Narrow Stile Door 32"
- Ability to gang up to 12 doors
- Shipped with decal “Emergency Exit Only. Push until alarm sounds. Door can be opened in 15 seconds”
- See McKINNEY’s Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Available for all 80 Series devices, except LP, LR, LS, SP8600, FM, ND8700, MS, and HC8800 Devices
- Not compatible with 8700 SVR devices utilizing a 300 series Auxiliary Control
- Order as a 59- option (e.g., 59-8813F x ETJ x 32D x 36" Door)
- See page 74 for compatible options

Installation & Maintenance
- Diagnostic LEDs on PC board for easy troubleshooting

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Electrified and Monitored (54-) ET Trims and Power Supplies

ELECTRO-MECHANICAL ET LEVER HANDLE CONTROLS

EcoFlex® ET trim provides remote means of locking and unlocking of the lever. This trim operates from 12-24 VDC. Rim and Mortise Exit Devices are available with cylinder override. Cylinder override can be added to the other series with the use of a 100 or 300 series Auxiliary Control, except NB8700 devices.

73 & 74 FUNCTION ET TRIM

- Available for all 80 Series Exit Devices
- Requires a McKINNEY QC8 Hinge for EcoFlex® ET Trims and/or 54- option
- Features EcoFlex®
- Voltage: Operates from 12-24 VDC. (Voltage must be specified)
- Actuator Draw = 400mA inrush / 15mA continuous @ 12VDC / 24VDC
- Operating Temp.: Max. 151°F (66°C) Min -31°F (-35°C).
- Full wave rectification installed inside the ET Control
- UL and cUL listed for use on fire doors
- 5lb. pressure released (5CH) option available.
- Field reversible
- EcoFlex® Trim is specified by the product function
- 73 Function - Fail Safe - Lever is unlocked when power is off - no cylinder override
- 74 Function - Fail Secure - Lever is locked when power is off - no cylinder override
- Cylinder override available with the use of 100 or 300 Series Auxiliary Control, except NB8700 devices

Note: Repeated operation at voltage exceeding +/- 10% is not recommended

75 & 76 FUNCTION ET TRIM

- Available for all 80 Series Exit Devices
- Requires a McKINNEY QC8 Hinge for Ecoflex ET Trims and/or 54- option
- Features EcoFlex® technology
- Voltage: Operates from 12-24 VDC. (Voltage must be specified)
- Actuator Draw = 400mA inrush / 15mA continuous @ 12VDC / 24VDC
- Operating Temp.: Max. 151°F (66°C) Min -31°F (-35°C).
- Full wave rectification installed inside the ET Control
- UL and cUL listed for use on fire doors
- 5lb. pressure released (5CH) option available.
- Field reversible
- EcoFlex® Trim is specified by the product function
- 75 Function - Fail Safe - Lever is unlocked when power is off with cylinder override
- 76 Function - Fail Secure - Lever is locked when power is off with cylinder override
- Key retracts latch mechanically

Note: Repeated operation at voltage exceeding +/- 10% is not recommended

54- OPTION- LEVER MONITORING

- Available with all 80 Series exit devices x ET trim with these functions 06, 13, 15, 16, 73, 74, 75 & 76
- Requires a McKINNEY QC8 Hinge for 54- and/or EcoFlex® ET Trims
- Switch type SPDT form "C" contacts
- 30VDC @ 2 Amp. maximum rating
- Monitors lever rotation, can be incorporated into alarm systems or in conjunction with an electromagnet
- Must specify hand, non-reversible
- Not available with Freewheeling Trim

LSP-12-24 POWER SUPPLY

Operation
- LifeSafety Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. Recommended for the 58-, 56-, 59- exit devices option and electric trim.

Features
- Selectable voltage output between 12V and 24V with a single switch
- Internal Back-Up battery charging circuit *
- Regulated and filtered, fuse protected outputs
- Each output can be individually turned on and off via a jumper
- Power status of each output is shown by an LED
- Rugged steel enclosure
- Fire alarm interface included – Dry contacts NO/NC, 9-33VDC, 3-15mA

Electrical Specifications
- Inputs: 120VAC
- Outputs: 12VDC @ 6 Amp or 24VDC @3 Amp
- 8 Total Outputs

Listings
- UL294, UL603, UL1076
- ULC S318, ULC S319

Applications
- 59- Delayed Egress
- 58- Electric Dogging
- EcoFlex® Electrified Trim
- 56- Motorized Electric Latch Retraction

* Note: Batteries are not included with the power supply

Model No.	Description
LSP-12-24 12V – 6AMP	24V – 3AMP Power Supply

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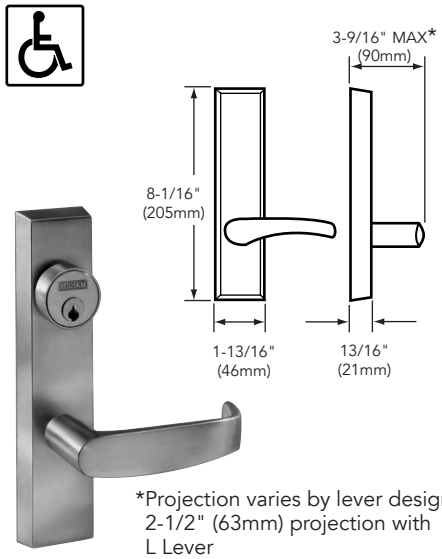
ET Trim, Levers and Pulls

ET LEVER CONTROLS

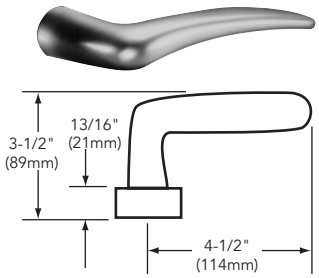


*Projection varies by lever design. 2-1/2" (63mm) projection with L Lever

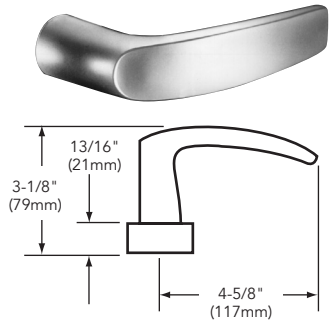
Note: ET suffixes required when ordering ET trim without an exit device, see page 73 for complete details

A Lever

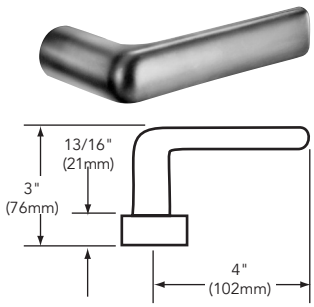
- Handed



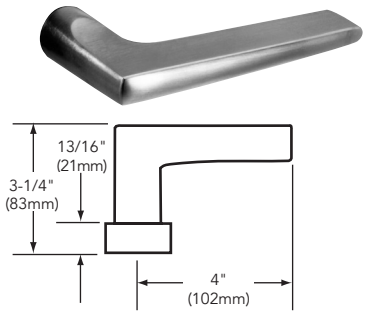
B Lever



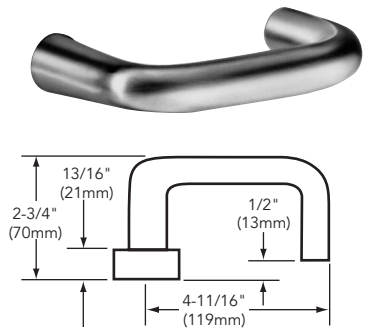
E Lever



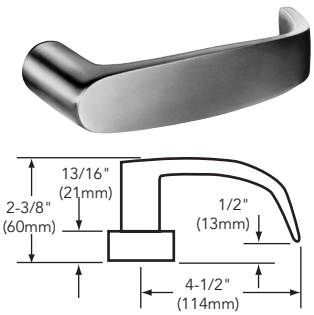
F Lever



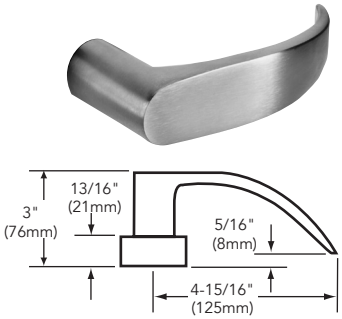
J Lever*



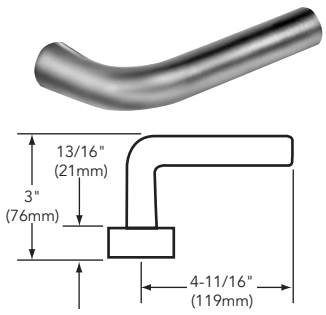
L Lever*



P Lever*

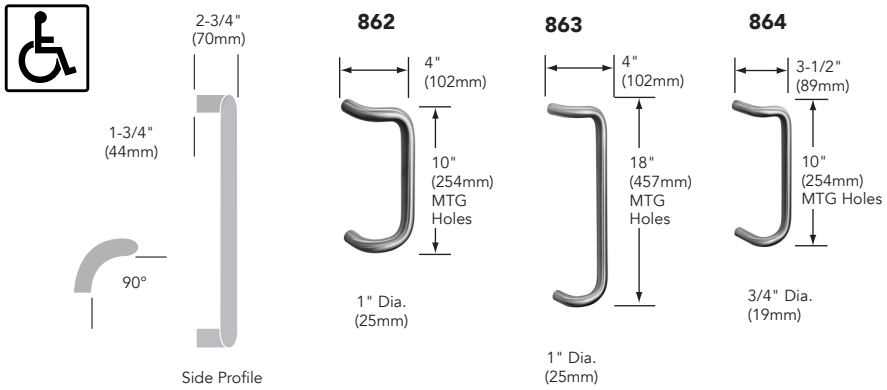


W Lever



* Lever returns within 1/2" (13mm) of door face

PULLS



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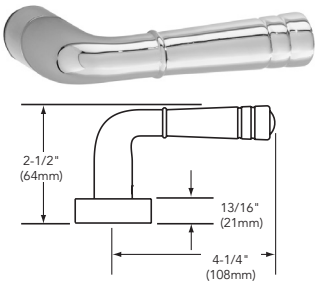
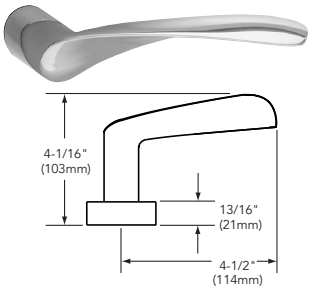
Coastal Series Levers and Thumbpiece Pulls

- Coastal Series™ levers can be used with all SARGENT 80 Series exit devices with ET trim
- All levers – solid cast brass
- All standard functions available
- Finishes available: 03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, BSP

R - Rockport™

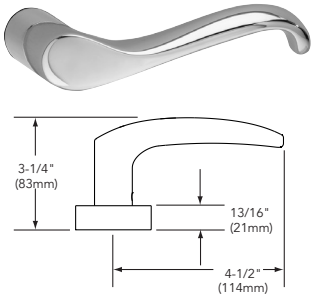


S - Sanibel™



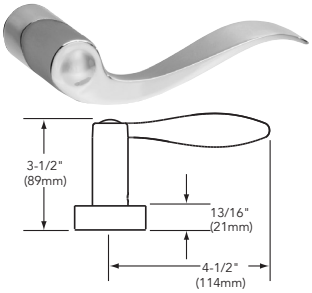
- Specify hand when ordering

Y - Yarmouth™



- Specify hand when ordering

G - Gulfport™

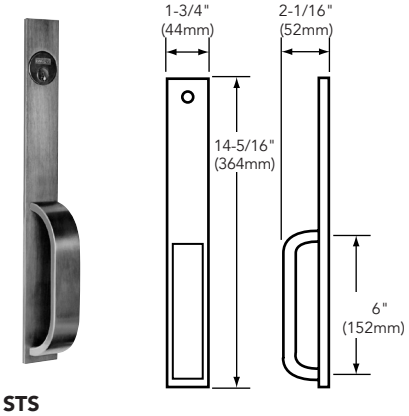


- Specify hand when ordering

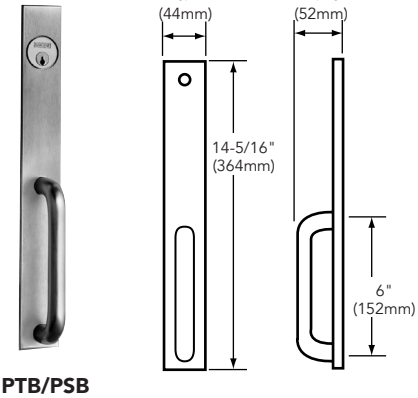
PULLS AND THUMBPIECES TRIMS

These trims are through-bolted, creating perfect alignment of center case, thumbpiece and cylinder, as required. Through-bolts pass through the chassis of the devices and are bolted directly to the trim. FSL, FSW, MSL and PSB pulls are used with 12- 8804 and 8804 only, they are identical to FLL, FLW, MAL and PTB pulls except the cylinder hole is located 3/8" (9mm) lower. The 802-PTB plate is a flat plate which can be used to cover existing door preps and is as ANSI/BHMA function 01.

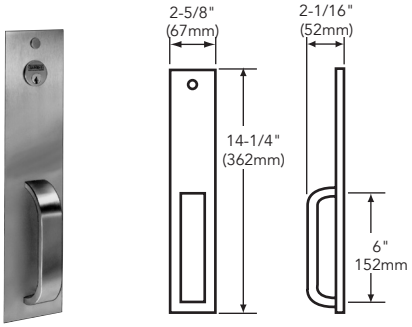
FLL/FSL



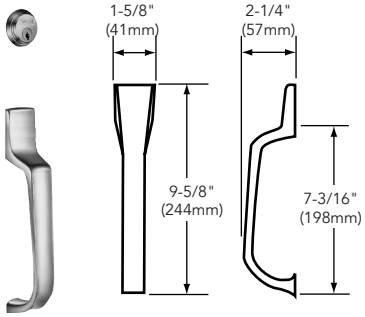
FLW/FSW



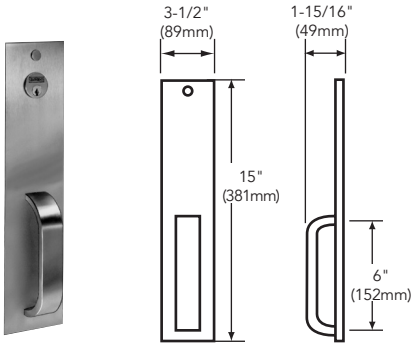
MAL/MSL



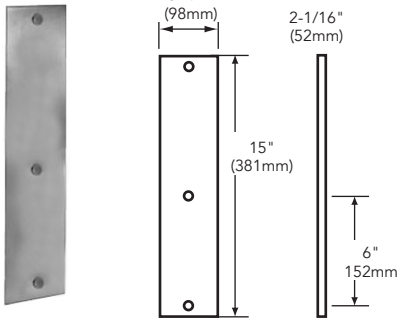
STS



PTB/PSB



802-PTB



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Studio Collection Levers

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Studio Collection trim is available in a broad array of designs and finishes. It allows for uniformity throughout a facility using the 8200, R8200 and 7900 Series Mortise Locks, Access Control Products, 80 Series Exit Devices, DL and RDL Series Tubular Locks.

All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.

Centro Series

MD

MJ

MP[2]

ND[1]

NJ[1]

Notting Hill Series
(MA & MO are Non-Handed Levers)

MA[2,3]

MQ[2]

MT[2]

MO[2,3]

MZ[1,2]

GT

Aventura Series

MB

ME

MF

NF[1]

MG

MI

MW[1]

[1] Lever returns within 1/2" (13mm) of door face
[2] Not available in 32D or 32 finish
[3] MA & MO are Non-Handed Levers)

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Studio Collection Levers

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Odéon Series (Handed Levers)

MN[4,5]

MH[4,5]

MS[4,5]

MU[4,5]

MV[4,5]

NU[1,4,5]

WG

Gramercy Series[2]

RCM[2]

RAL[2]

REM[2]

RAM[2]

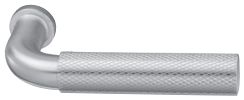
RAS[2]

RAG[2]

RGM[2]

H015

H016[1]


H017

H018

Wooster Square[3]

H001[3]

H002[3]

H003[3]

H004[3]

H005[1,3]

H006[1,3]

H007[2]

H008[2,5]

H011[2]

[1] Lever returns within 1/2" (13mm) of door face
[2] Gramercy levers are customized. See page 65 for ordering information
[3] H003-H006 - Contain white or black polycarbonate inserts. Not available with MicroShield® antimicrobial coating.
[4] Not available in 32 or 32D finish
[5] Handed Levers

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90641 10/25

How to Order Gramercy Series Levers

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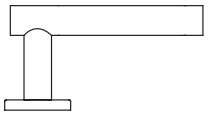
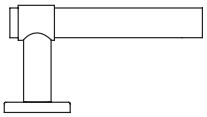
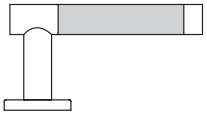
GRAMERCY SERIES LEVERS



REM, RGM



RCM



RAG, RAL, RAM**, RAS

GRAMERCY FINISH CODES

ANSI/BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

GRAMERCY LEVER DESCRIPTIONS & AVAILABLE FINISHES

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK, 30BN, 29BK, 29BN, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Satin Metal Insert	2930** only (SEE NOTATION)
RAS	Santoprene Insert	30BK, 29BK, 3E3E, BSBS or WSWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2929, 3030, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

**Notes for two-tone finishes:
- 2930 Finish: grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32.
- 3029 Finish: grip of lever is 32, balance of lever is 32D. Rose/escutcheon and lock finish will be 32D.

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629

SAMPLE ORDER ON HOW TO SPECIFY AN EXIT DEVICE WITH GRAMERCY LEVERS

						Gramercy Lever information							
Options	Series	Function	Rail Size	Voltage	Trim	Lever	Finish			Hand	Inside Finish	Door Width	Opening Height	AFF
Select from 80 Series catalog				Specified for electrical functions	Select from 80 Series catalog	Leather insert	Bright stainless steel with brown leather			RHR RH, LHR, or LH	Select from 80 Series catalog		For vertical rod devices	Above Finished Floor
10-	87	73	F	12VDC	F	RAL	29	BN	29	RH	32D	36"	84"	41"

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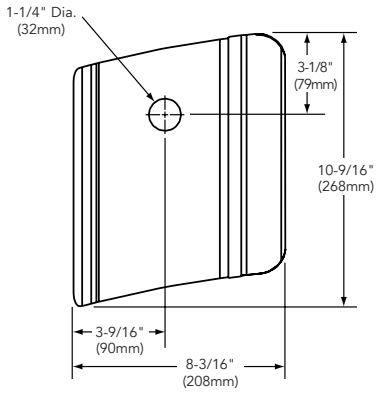
Anti-Vandal Trim, 988 Surface Bolt, ET Plates and Dummy Rails

ANTI-VANDAL TRIM



Designed for exterior doors that require extra security or resistance to vandalism, anti-vandal trim (AVT) plates have an extended lip on the active side of the door to provide extra protection for the latchbolt. A matte plastic coated grip provides a comfortable pull over wide temperature ranges. Fully through-bolted with no exposed exterior fasteners for a cleaner look and increased security.

FEATURES

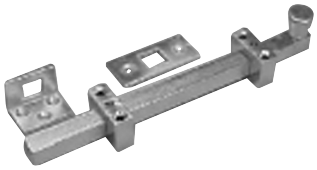
- Heavy duty 12 gauge stainless steel in 32D finish
- Through-bolted for added strength
- Handed – Specify RHR or LHR
- ADA Compliant
- #34 Rim Cylinder supplied for 8804
- #41 Mortise Cylinder supplied for 8904
- Night Latch and Dummy Functions available
- Available for MD & WD8610, 8710, 8804, 8810, 8904 & 8910 Devices
- Options not available with AV trim: 1-, 31, 49, 50, 68, 69, 76, 77, 85, 86, 87, DX & SG
- Without protective lip for inactive door
- AVT Retrofit Kit works easily with existing product with minor prep modification
- Order by part number (826, 824, 821 or 827) as determined by product & function below

Part Number	Description	Application
826	Cylinder, but No Protective Lip	8804 Mfg after 02-2001
824	Protective Lip & Cylinder	8904; also 8804 Mfg before 02-2001
821	No Protective Lip & No Cylinder	MD & WD8610, 8710 and 8810
827	Protective Lip & No Cylinder	8910

821 for use on all inactive leafs

988 SURFACE BOLT KIT

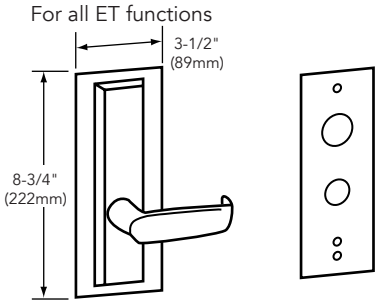
- Designed for severe windload (Hurricane Code) environments where surface bolts are required (e.g., on inactive doors)
- Tested to Dade County protocols
- Listed to UL 10C for use on fire rated door assemblies. Refer to codes for locations where surface bolts are allowed on fire doors
- All steel construction for maximum strength and heavy duty use
  - Full 3/4" (19mm) square, 12" (305mm) bolt with 1-1/4" (32mm) throw
  - Bright zinc-plated finish
  - Jimmy-resistant design locks bolt automatically when thrown; released by pressing knob toward door while retracting
  - Bolt can be locked in retracted or thrown position
- Angle (L shaped) and mortise strike with mounting hardware supplied standard
- Order as a: 988 Surface Bolt



ET COVER PLATE

This plate is designed to be mounted behind the ET control to cover a stock hollow metal cutout

- Order as a: 68-0657 x finish



809 TOUCHPAD KIT

- Lexan touchpad replacement kit for all 80 Series push rails
- Direct replacement – uses existing mounting holes
- Order as a: 809 Touch Pad

8893 DUMMY RAIL

- A decorative push bar for vestibule door applications where continuity of design is desired, but no exit device is required. Outside dummy trim available on order.
- Order as a: 8893 x finish; Specify door width and door stile width when ordering.

8895 ACTIVE DUMMY RAIL

- Push rail operates on this rail to simulate active doors. Can be used with dummy trim.
- Order as a: 8885 x Finish; specify door width and door stile width when ordering.
- Available with Request-to-Exit (REX) signaling switch; specify 55-8895 x Finish

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Cylinder Information

THICKER DOORS SPECIFICATIONS

- Convenient for applications requiring durability, improved insulation, and resilience to heavy use.
- Door thicknesses above standard 1-3/4" available over 2.5" to 5" thick based on function limitation below:

Device with Trim

Device	Stile	Function	Door Thickness
RIM	Narrow	8504	Up to 2.5"
	Wide	8804	
		8816	
		8875	
		8876	
	Narrow	8506	Up to 5"
		8510	
		8513	
		8515	
		8573	
		8574	
	Wide	8806	
		8810	
		8813	
		8815	
		8873	
		8874	
SVR	Wide	8706	
		8710	
		8713	
		8715	
		8773	
		8774	

Note: Must specify 31- Option and Trim

How to order:
31- 8810 F NEL RHR 32D 5"

Device with Auxiliary Control

Exit Device	Stile	Trim Function	Aux Controls	Door Thickness
SVR	Wide	8710	306/P313	Up to 4.75"
		8773	306	
		8774		

Note: Must specify 31- Option and Auxiliary Control.

How to order:
31- 8710 306 F RHR 32D 84" 5"

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Mullions: Aluminum, Steel and Electrified

	Aluminum Mullions			Electrified
Product Designation	650A	980	L980	EL980
Description	Removable	Removable	Lockable	Electrical Lockable
Material	Aluminum	Aluminum	Aluminum	Steel
Standard Finish	US28/Satin Anodized Aluminum	Prime Coat	Aluminum Prime Coat	Gray Paint
Options	Specify "650A x 10B" for 313AN to match 10B	Specify "980A" for Anodized US28/ Satin Aluminum	Specify: "L980A" Anodized Aluminum Specify: "L980A x10B" for 313AN to match 10B	Wall Mounting Kit: 98-2580 Top Ret Pack :98-2558 Bottom Ret Pack: 98-2556
Stk Size	96"	86"	86"	86"
Max Stk Height	120"	120"	120"	120"
Pre-prepped	658 Strikes Included	No	No	No
Cylinder Size	Not Required	Not Required	#41	#46 Only
Shape	1-1/2" x 2-1/2"	T Shaped 2-1/2" x 3"	T Shaped 2-1/2" x 3"	Rectangular 2" x 3"
Misc. Information and Accessories	Includes 651 Stabilizers and imbedded Weather Stripping Top Retainer 94-2050 Bottom Retainer 94-2051	Top Retainer - 511 Bottom Retainer - 502 Adapter for narrow transom: 507 - Aluminum Prime Coated 507A - Anodized Aluminum	All Cylinder Options Available Wall Mount Kit 98-2578 Top Ret Pack 98-2526 Bottom Ret Pack 98-2525 Cylinder Kit 980C1*	For use with Electric Strikes and Monitoring, Quick Connect Wiring Supplied Cylinder Kit 980C2*

***Note:** Cylinder Kits must be ordered separately

Steel Mullions					
Product Designations	HC980	980S	L980S	HCL980	12-HD980
Description	Hurricane Code	Standard Mullion	Lockable	Lockable Hurricane Code	Heavy Duty
Material	Steel	Steel	Steel	Steel	Steel
Fire Rated	Specify 12-HC980	Specify 12-980	Specify 12-L980	Specify 12-HCL980	Specify 12-HD980
Fire Rated Max Height	96"	96"	96"	96"	120"
Finish	Gray Paint	Gray Paint	Gray Paint	Gray Paint	Gray Paint
Stk Size	86"	86"	86"	86"	120"
Max Stk Height	96"	120"	120"	96"	120"
Pre-prepped	No	No	No	No	No
Cylinder Size	Not Required	Not Required	#41 Std (#42 & #43 available)	#41 Std (#42 & #43 available)	Not Required
Shape	Rectangular 2" x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"
Misc. Information	Designed for severe wind load conditions due to hurricanes or windstorms. Tested to Dade County Protocols & ASTM Standards	For 12-8800 - Channel Iron & Malleable iron top & bottom retainers. Mullions longer than 86" must be ordered as 12- option x 120" length and cut to size in the field. Fire rating is valid only up to 96"	Fire rated for 8'0" x 8'0" paired openings Mullions longer than 86" must be ordered as 12-option x 120" length and cut to size in the field. Fire rating is valid only up to 96"	See Notes Below	12-HD980 is for pair of doors over 8'0" to 10'0" for use with 12-8800 Rim Exits includes two piece strikes
Accessories	Top Ret Pack - 98-2599 Bottom Ret Pack - 98-2600 Top Retainer Shim Kit - 601	Top Ret Pack - 98-2190 Bottom Ret Pack - 98-2191 Top Retainer Shim Kit - 601	Wall Mounting Kit - 98-2579 Top Ret Pack - 98-2559 Bottom Ret Pack - 98-2556 Top Retainer Shim Kit - 601 Cylinder Kit - 980C1*	Top Retainer Pack: 98-2593 Bottom Retainer Pack: 98-2594 Top Retainer Shim Kit - 601 Cylinder Kit - 980C1*	Top Ret Pack - 98-2599 Bottom Ret Pack - 98-2600 Top Retainer Shim Kit - 601

***Note:** Cylinder Kits must be ordered separately

Note for HC980/12-HC980 Mullions

- Designed for severe wind load conditions due to hurricanes or tornadoes
- Tested to Dade County protocols and ANSI 250.13 ASTM Standards and FEMA 361
- 12- Fire labeled version
- Replacement lock kits are available for lockable mullions Part numbers for each model are listed in the price book

HCL980 Mullion Information

- Model 12-HC-L980 may be supplied for doors UL fire rated up to and including 3 hrs not exceeding 8 ft in width and height
- Meets the following standards: ANSI 250.13, ASTM E330, ASTM 1886, ASTM 1996, TAS 201, TAS 202 & TAS 203
- Designed for use with UL Classified HC8810, HC8800 and 12-HC8800 rim exit devices

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Split Mullions

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Split Mullions (Steel)			
Product Designations	SM980S	SML980S	SMEL980
Description	Standard Mullion	Lockable	Electrical Lockable
Material	Steel	Steel	Steel
Finish	Gray Paint	Gray Paint	Gray Paint
Stk Size	96"	96"	96"
Max Stk Height	96"	96"	96"
Pre-prepped	No	No	No
Cylinder Size	Not Required	#41 Std (#42 & #43 available)	#46 Only
Shape	Rectangular 2" x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"
Misc. Information	Not fire rated	Not fire rated	Not fire rated
Accessories	Top Ret Pack - 98-2190 Bottom Ret Pack - 98-2191 Top Retainer Shim Kit - 601 Screw Pack - 98-2029	Wall Mounting Kit - 98-2579 Top Ret Pack - 98-2559 Bottom Ret Pack - 98-2556 Top Retainer Shim Kit - 601 Cylinder Kit - 980C1* Screw Pack - 98-2029	Top Ret Pack - 98-2558 Bottom Ret Pack - 98-2556 For use with Electric Strikes and Monitoring, Quick Connect Wiring Supplied Cylinder Kit - 980C2* Wall Mounting Kit: 98-2580 Screw Pack - 98-2029

***Note:** Cylinder Kits must be ordered separately

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Mullion Accessories and Stabilizers

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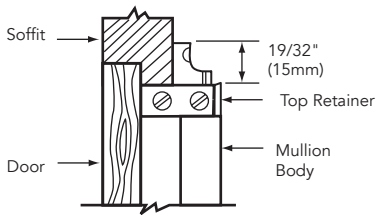
Mullion Accessories
RK980
Latchbolt assembly retrofit kit with top and bottom retainers for 980 aluminum mullion.

651 Mullion Stabilizer Kit
- Stabilizer block
- Furnished standard w/650A Mullion
- Order as a 651 Kit

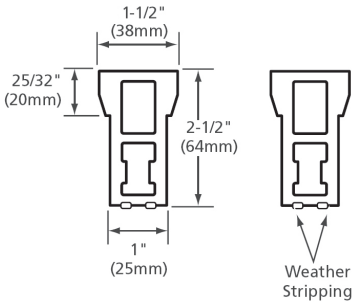
980C1 Cylinder Mullion Kit
- Lockable mullions only
- Aluminum and steel
- Includes cylinder and collar
- Available in 26D & 10B finish

980C2 Cylinder Mullion Kit
- Lockable mullions
- Electrified only
- Includes cylinder and collar
- Available in 26D finish only

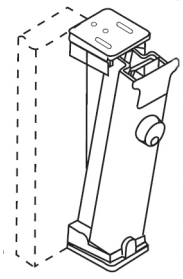
507 Narrow Transom Bars Adapter
- Available with 980 and 980A
- Required when soffit is 1-1/4" (32mm) to 2" (51mm) wide
- Order as a: 507 for 980 mullion or 507A for 980A mullion



650A Mullion



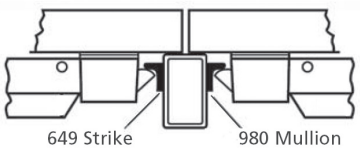
Lockable Mullion



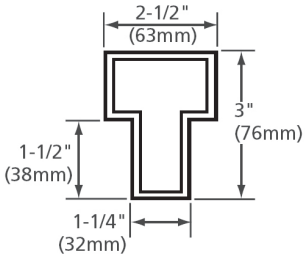
Mullion Weights & Packaging

Product	Avg Wt	Case
Exit Device with Trim	15 lbs	1 ea
980 Mullion	18 lbs	1 ea
12-980 Mullion	40 lbs	1 ea
650A Mullion	18 lbs	1 ea
SM980S Split Mullion	40 lbs	1 ea

980S Mullion Application
- All steel mullions are 2" x 3"



980 Mullion &
L980 Lockable Mullion



Lockable Mullion Cylinder Kit Options*
L980, L980A, L980S & HC-L980 mullions are available with these options:
10, 10-21-, 10-63-, 11-, 11-21-, 11-60, 11-63-, 11-64-, 11-72-7P-, 11-65-73-7P-, 11-73-7P-, 21-, 60-, 63-, 64-, 70, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82-, F1-82-, 83-, F1-83-, 84-, SC- & SE-.

EL980 mullion is available with these options:
10, 10-21-, 10-63-, 11-, 11-21-, 11-60, 11-63-, 11-64-, 11-72-7P-, 11-65-73-7P-, 11-73-7P-, 21-, 60-, 63-, 64-, 70, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82- & F1-82-.
*Lockable mullions are shipped without cylinders. Order Cylinder Mullion Kit separately.

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Through-bolt Kits, Rod Extensions and Shim Kits

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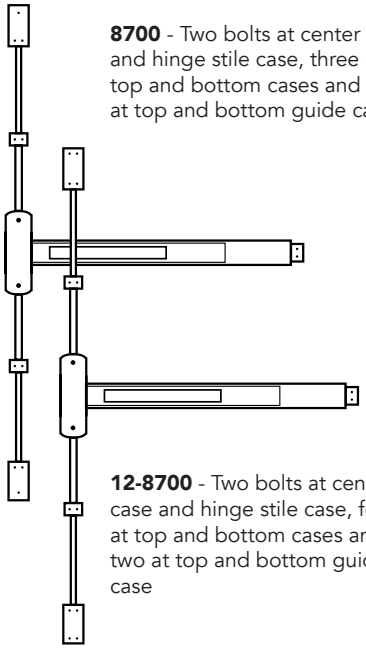
Through-bolt (TB) Applications



8700 - Two bolts at center case and hinge stile case, three at top and bottom cases and two at top and bottom guide cases

12-8700 - Two bolts at center case and hinge stile case, four at top and bottom cases and two at top and bottom guide case

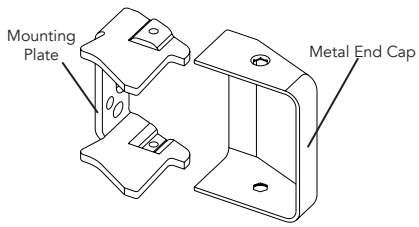
Through-bolts		Qty	Part #
8700	Rail & Chassis	4	68-2279
8700	Cases & Guides	10	68-2282
12-8700	Complete	16	68-2288
8800	Rail & Chassis	4	68-2279

To order through-bolts with device:

Example: 8804 FLL x TB

Note: Attaching Screws – All series are furnished standard with wood screws for wood and Kalamein doors and machine screws for metal doors. Through-bolts and mortise nuts must be specified to mount fire exit devices on composite fire doors with steel, wood or plastic covering

565 Metal End Cap Kit



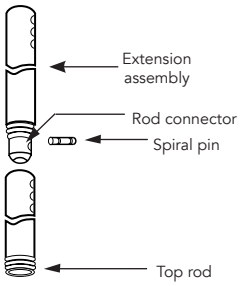
End cap with hardware finish includes mounting plate with wood and machine screws

Order as a 565 Kit x Finish

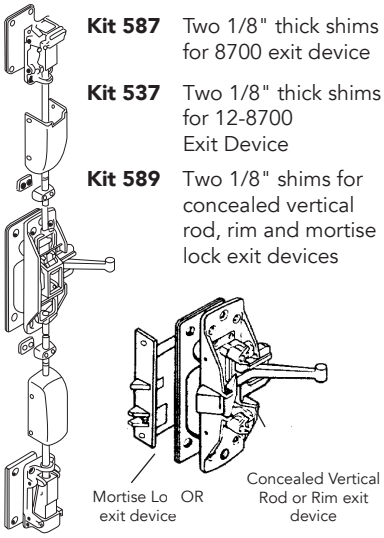
Rod Extension Kits

- For surface mounted top rod extensions
- 570 Kit is for a Rod Connector & spiral pin
- 571 Kits includes top rod extension & 570 kit for device mfg prior to November 2002
- Specify Kits and finish:
  - 571-6 for 6" Rod Extension
  - 571-12 for 12" Rod Extension
  - 571-18 for 18" Rod Extension
  - 687 Kits include Rod Extension for devices mfg after November 2002
- Specify Kits and finish:
- 687-6 for 6" Rod Extension
- 687-12 for 12" Rod Extension

Note: For extensions over 12" full rod lengths are available, see Rod Replacement Kits Below



Glass Bead Shim Kits



Kit 587 Two 1/8" thick shims for 8700 exit device

Kit 537 Two 1/8" thick shims for 12-8700 Exit Device

Kit 589 Two 1/8" shims for concealed vertical rod, rim and mortise lock exit devices

Note:

- Lift slide length must be increased for 8600 and 12-8600
- Lift lever length must be increased for 8900 and 12-8900
- Shim thickness must not exceed 1/4" (6mm) on 8900 and 12-8900
- Spindles and through-bolt lengths must be increased on 8700, 12-8700, 8800, 12-8800 exits
- Kits are available in EB, ED, and EN

Rod & Bolt Replacement Kits

Product	Top Rod & Bolt Kit *	Bottom Rod & Bolt Kit **
8700	N/A	N/A
MD & AD8600	MD691T	691B
WD8600	WD691T	691B
WD8600 x Aux	WDA691T	691B
MD & AD8400	MD691T	691B
LP/LR/LS8600	692L	N/A

* Door Height & Rail Location Required
** Rail Location Required

Rod Replacement Kits

Product	Top Rod Kit ++	Bottom Rod Kit +++
All 8700+	670T	670B
MD & AD8600	MD660T	660B
WD8600	WD660T	660B
WD8600 x Aux	WDA660T	660B
MD & AD8400	MD660T	660B
LP/LR/LS8600	661L	N/A

\+ Finish Information Required
++ Door Height & Rail Location Required
+++ Rail Location Required

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End Caps and Cylinder Dogging Kits

CYLINDER DOGGING 16- OPTION

A 41 mortise cylinder (included), located in the rail insert, locks the rail in retracted position. Available for all 80 Series devices except Fire Rated, FM8700 & some electrical options.

Order as a 16- option with the device

Example: 16-8813F x ETJ x 03 Finish

Also available as a 816 Kit

Specify Kit based on Rail size

Example:
816-1 x finish for "F" wide
816-2 x finish for "E" & "F" narrow
816-3 x finish for "G" wide
816-4 x finish for "G" narrow
816-5 x finish for "E" wide
816-6 x finish for "J" narrow
816-7 x finish for "J" wide
816-8 x finish for "E" narrow

Cylinder included

Note: Cylinder dogging requires a 27" minimum door width

CYLINDER NUT WRENCH

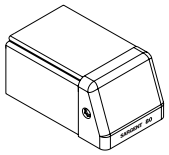
This wrench simplifies the installation and removal of mortise cylinders nuts used on 700 Series Auxiliary Control (80 Series ET Trim).

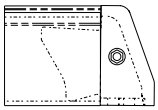
- Part number 97-0568

665 FLUSH END CAP KIT AND 553 SHIM KIT

- 665 Kit is Flush End Cap for 80 Series exit device
- 665 Kit available for retrofit/replacement
- To order specify 665 Kit x Finish or with the Device as a 43- option
- 553 Kit is an 1/8" Shim for Flush End Caps
- 553 Shim Kit is only available in ED, EN & EB*
- To order specify 553 Kit x Finish

* **Note: EB** (BHMA 690) Powder coated to match 10B **EN** (BHMA 689) Powder coated to match 26D





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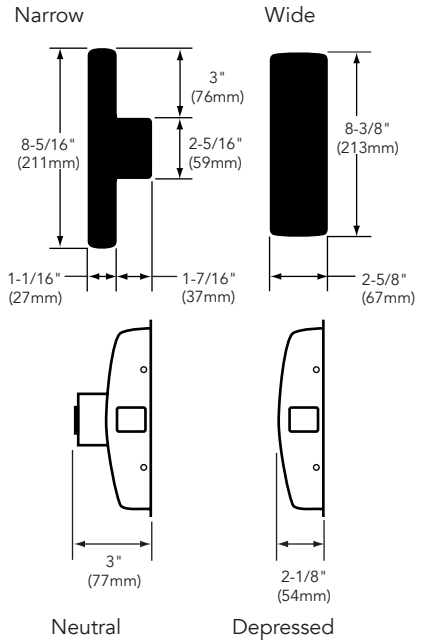
Rail Sizes and How to Order ET Trim

COVER DIMENSIONS AND TOUCHBAR PROJECTIONS



RAIL SIZES

SARGENT offers four sizes of rails to accommodate 32", 36", 42" and 48" doors. These rails can be cut for smaller doors as specified in the chart below.

SARGENT will cut all rails to size if door width is specified when the hardware is ordered.

Stock Size	Door Widths	Remarks
E	24" to 32" (61cm to 81cm)	No cutting required for 32" (81cm) door
F	33" to 36" (84cm to 91cm)	No cutting required for 36" (91cm) door
J	37" to 42" (94cm to 107cm)	No cutting required for 42" (107cm) door
G	43" to 48" (110cm to 122cm)	No cutting required for 48" (122cm) door

LP, LR & LS8600 Rail Sizes

L Rail	36" (91cm)	No cutting required
M Rail	42" to 44" (107cm to 112cm)	No cutting required
N Rail	46" to 48" (117cm to 122cm	No cutting required

HOW TO SPECIFY AND ORDER ET TRIM WITHOUT AN EXIT DEVICE

Example for 775-8 ETL 26D RHR 12VDC

7	75	-8	ETL	26D	RHR	12VDC
7 For 700 series auxiliary control	2 Digit function number	Suffix - determined by exit device (see chart)	Et followed by lever design pages 61-64	Finish Page 83	Hand Page 78	Voltage for et trims Page 60

Notes:

- LFIC (Removable) and SFIC (70-) option cylinders require 97-0351 cylinder rings for 700 Series ET Controls and 94-0153 rings for 100 & 300 Series Aux controls.
- When ordering 775 or 776 trim, specify either a rim cylinder or mortise cylinder.

No Suffix	-8 Suffix
Square Spindle or No Spindle for inactive functions	Cross Type Spindle
for all 8900, 8300, 8700 with bottom rod and 8800, 8500, NB8700 devices with these functions: 04, 10, 16, 40 & 44	for 8800, 8500, NB8700 devices, except with these functions: 04, 10, 16, 40 & 44

-4 Suffix	-6 Suffix
Offset Mtg Tabs Top & Bottom	Offset Mtg Tab Top Only
for all AD & MD8400 and AD, WD & MD 8600 devices	for all LP, LR & LS 8600 devices

730 Spindle Retrofit Kits are used to replace existing spindles for 06, 13, 15, 16, 73, 74, 75 & 76 function ET Trims

Kits include Spindle, Retainer Plates, Mounting. Screws & Return Springs

730-1	700 Series Spindle 1-3/4" Door
730-2	700 Series Spindle 2" Door
730-3	700 Series Spindle 2-1/4" Door
730-4	700-4 Series Spindle 1-3/4" Door
730-5	700-4 Series Spindle 2" Door
730-6	700-4 Series Spindle 2-1/4" Door
730-7	700-8 Series Spindle 1-3/4" Door
730-8	700-8 Series Spindle 2" Door
730-9	700-8 Series Spindle 2-1/4" Door

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Mechanical Options and Descriptions

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MECHANICAL OPTIONS:

Categories	How to Specify	Detailed Description
Fire Rated	**12-**	UL Fire Label Exit hardware (not available with 16- & HK-)
SVR Bolt	**14-**	Sliding bolt bottom case for 8700
Cylinder Dogging	**16-**	Cylinder lockdown with # 41 Cylinder & # 97 Ring (not available with 12-, 59- or AL- Option)
	LD-	Less dogging for non fire rated devices
Less Touch Pad	**19-**	Pushbar without Lexan touchpad
8900/8300 Strike	**23-**	4-7/8" (124mm) ANSI flat lip strike (for 8900 & 8300 Series Mortise Lock Exit Devices)
Thick Doors	**31-**	Doors over 1-3/4" and/or Panels (Specify door thickness, panel thickness & location as required.) Not available for HC8700, FM8700. Extended lip strike supplied for 8300 & 8900 Series.
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
Flush End cap	**43-**	Flush End Cap (Not available with LP, LR & LS Devices)
Indicator	**49-**	Indicator (Available on 8816 and 8866 functions only)
Electrical Options	**53-**	Latchbolt monitoring switch (not available with 49-, 59-, GL-, HC-, WS- or on FM8700, LP/LR/LS8600 Exit Devices)
	54-	Monitors ET Lever movement with Internal micro switch in ET Control
	55-	Request to Exit - Signal Switch in Rail (not available with 59- & FM8700)
	56-	Remote Latch Retraction (not available 58-, 59-, AL-, BT- or FM8700 Option)
	56-HK-	Remote Latch Retraction with manual Hex Key dogging (not available 12-, 58-, 59-, AL- or BT- Option)
	58-	Electric Rail Dogging (Not available 56- & 59-)
	59-	Electroguard® Self Contained Delayed Egress Device (not available with 16-, 53-, 55-, 56-, 58-, AL-, BT-, GL-, HC- & WS Option Prefixes, LP/LR/LS8600 Exit Devices) (NB, 54- are available upon request) Not compatible with 300 Series Aux Controls on NB8700, 8700.
	AL-	Alarmed Exit (Not available 16-, 56-, 59-, BT-, GL-, HC- , HC4 & WS-) (minimum Dr width 36")
	BC-59-	Electroguard® Boca Code (Door Status Switch required) (not available with 16-, 55-, 56-, 58-, AL-, BT-, GL-, HC- & WS- Options and on NB8700 & LP/LR/LS8600 Exit Devices) Not compatible with 300 Series Aux Controls on NB8700, 8700.
Tactile Warning Options	**76-**	Tactile Warning - Milled Outside Lever (not available with Studio & Coastal Levers and the A Lever)
	85-	Tactile Warning - Abrasive strip on Push Rail (Not available with PL-)
	86-	Tactile Warning - Abrasive coating on Outside Lever
	87-	Tactile Warning - Abrasive strip on Push Rail & Abrasive coating on Outside Lever (not available with PL-)
Finish Protection	**CPC-**	Clear Powder Coat (Available for 32 & 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)
Top Rod Only	**NB-**	Less Bottom Rod & Bolt (for SVR & CVR Devices)
Guarded Latch	**GL-**	Guarded Latch for Rim Exit Devices (not available 53-, 59-, AL-, HC- & WS-)
SARGuide	**PL-**	SARGuide™ PL – Photoluminescent Coated Push Rail – (Touchpad eliminated) (not available 85, 87)
Through Bolts	**TB-**	Through Bolts for 8300, 8500, 8600, 8700, 8800 & 8900 Devices
Rail Force	**5CH-**	5lb. Pressure Release (8800, 8500, 8600 & 8400 devices only) Not available with 14-, 49-, 58-, 59-, BC-59, TI- Consult Factory: 23-, 31-, 36-, 37-, 43-, 54-, 55-, 56-HK, AL-, 76-, 87-, CPC-, SG-, NB-, GL-, TB
Weather Resistant	**WH-**	Weep Holes (8500 and 8800 devices only) (Not available with AL-, 56-, 58-, 59-, HC-, WS-, BC-, HC4-, TL- & PL-) (Only available with 03, 04, 09, 10, 10BL, 20D, 10BE, BSP, WSP & 32DCP Finishes)

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Cylinder Options and Descriptions

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CYLINDER OPTIONS:

Conventional Cylinder	-	SARGENT Conventional Cylinders Supplied Standard (Unless Otherwise Specified)
Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG2-	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG3-	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
	DG3-65	Degree Level 3 Unassembled/Uncombined Core
Signature Key System	**10-**	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature- LFIC	**10-63-**	SARGENT Signature Large Format Interchangeable Core Cylinder (Removable)
XC- Key System	**11-**	XC Key System (Not available with other Key systems unless specified)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	**11-60-**	Device to accept XC- Permanent Large Format Interchangeable Core, Disposable plastic Core- provided
	11-63-	Device provided with XC- Large Format Interchangeable Core Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Device provided with Keyed construction core to accept XC- Permanent Large Format Interchangeable Core (ordered separately)
XC- Small Format Interchangeable Core	**11-70-7P-**	Device to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-	Device to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P-	Device provided with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P-	Device provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose)
Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
Old Style Removable Core	**51-**	Removable Core Cylinder (Old Style) provided (existing systems only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (existing systems only)
Large Format Interchangeable Core (Removable Core)	**60-**	Device to accept SARGENT Permanent Large Format Interchangeable Core, Disposable plastic Core provided (Permanent Cores ordered separately)
	63-	Device provided with Large Format Interchangeable Core Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Device provided with Keyed construction core to accept Permanent Large Format Interchangeable Core (ordered separately)
Small Format Interchangeable Core	**70-**	Device to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-	Device to accept 6- or 7-Pin SFIC (6-Pin Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)
	73-	Device provided with 6-Pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Device provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	65-73-7P-	Device provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	73-7P-	Device provided with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying)
Keso & Keso F1	**81-**	Device provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores ordered separately)
	82-	Device provided with SARGENT Keso Security Cylinder
	F1-82-	Device provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Device provided with SARGENT Keso Security Removable Core cylinder
	F1-83-	Device provided with SARGENT Keso F1 Security Removable Core cylinder (Patented)
	84-	Device provided with SARGENT Keso Construction Cores (Permanent Cores ordered separately)
Added Security	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	**LC-**	Less Cylinder - SARGENT supplies standard blocking rings for 1-1/8" Cylinders (For longer cylinders order collars/rings separately)
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted (not available with: 8904, 8916, 8944, 8975, 8976, 8866, 8304, 8344, 8375 & 8376)
	SE-	Schlage E keyway cylinder, 0 bitted (not available with: 8904, 8916, 8944, 8975, 8976, 8866, 8304, 8344, 8375 & 8376)
Lever to Accept Schlage	**SF-**	L Lever to accept Schlage® large format interchangable core (supplied less core, tailpiece included)

Note: For V-10 Cylinders and information, contact ASSA

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How to Order

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HOW TO ORDER EXIT DEVICES

Example Order:

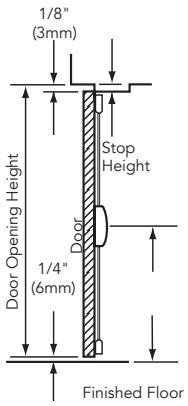
12-	89	75	F	ETMD	12VDC	RHR	26D	32D	36"	84"	41"
Options	**Device Type**	**Function**	**Rail Size**	**Trim**	**Voltage**	**Hand**	**Outside Finish**	**Inside Finish**	**Door Width**	**Opening Height**	**AFF**
Available Options Listing Pgs 73-74	89 - Mortise WS89 - Mortise 88 - Rim HC88 - Rim WS88 - Rim 87 - SVR NB87 - SVR HC87 - SVR FM87 - SVR MD86 - CVR AD86 - CVR WD86 - CVR 85 - Rim Narrow MD84 - CVR Narrow AD84 - CVR Narrow 83 - Mortise Narrow LP86 - CTL CVR LR86 - CTL CVR LS86 - CTL CVR	04 - Night Latch 06 - Night Latch 10 - Dummy 13 - Classroom 15 - Passage 16 - Entrance 28 - TP Passage 40 - FW Dummy 43 - FW Classroom 44 - FW Night Latch 46 - FW Night Latch 62 - TP Night Latch 63 - TP Classroom 66 - TP Entrance 73 - Solenoid Fail Safe 74 - Solenoid Fail Secure 75 - Solenoid Fail Safe w/Cyl 76 - Solenoid Fail Secure w/Cyl	E 24"-32" F 33"-36" J 37"-42" G 43"-48" Rail Sizes Listed Below are for LP, LR & LS Devices Only L 36" Door M 42"-44" N 46"-48"	For ET trim specify ET followed by Lever design, See pages 60-62 For Thumbpiece Trims and Pulls specify Trim Designation as specified by Device Type	12VDC 24V0DC Voltage required for Solenoid Controlled Functions - 73, 74, 75 & 76	RHR LHR	Available Finishes page 75	Inside Finish Available Finishes page 75	If door width is supplied rails will be cut to size	Required for Vertical Rod Exit Devices	Center Line of Rail Above Finish Floor 41" Standard

LEGEND

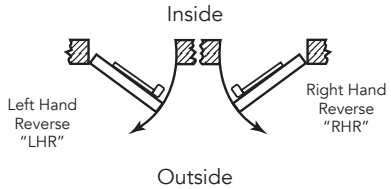
AD - Aluminum Door
AFF - Above Finish Floor
CTL - Center & Top Latching Exit
CVR - Concealed Vertical Rod
ET - SARGENT External Lever Trim
FM - FEMA
FW - Freewheeling Trim
HC - Hurricane Code
MD - Metal Door
NB - No Bottom Rod
SVR - Surface Vertical Rod
TP - Thumbpiece Trim
WD - Wood Door
WS - Windstorm

MOUNTING HEIGHTS

- 41" (1041mm) from finished floor for standard application
- 38" (965mm) from finished floor for elementary schools and to meet local accessibility standards when a 100 or 300 Series Auxiliary Control is used (38" AFF must be specified)



HAND



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Finishes and Finish Care

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FINISH

SARGENT#	BHMA#	Description	How to clean	Avoid these cleaners
3	605	Polished brass, clear coated	Mild non-abrasive detergent with damp cloth or sponge	Abrasive cleaners, bleach solvents, steel or bronze wool
4	606	Satin brass, clear coated		
9	611	Polished bronze, clear coated		
10	612	Satin bronze, clear coated		
BSP	—	Black Suede Powder Coat		
32DCP	—	Satin stainless steel, clear coated		
10B	613	Oxidized bronze, oil rubbed	Lemon oil polished with dry cloth	Abrasive cleaners, bleach solvents, steel or bronze wool
10BE	613E	Dark oxidized satin bronze, equivalent		
10BL	613L	Oxidized satin, bronze, clear coated	Mild non-abrasive detergent with damp cloth or sponge	Abrasive cleaners, bleach solvents, steel or bronze wool
14*	618*	Polished nickel, clear coated		
15*	619*	Satin nickel, clear coated		
20D	624	Statuary dark bronze, clear coated		
26*	625*	Polished chrome		
26D*	626*	Satin chrome		
32*	629*	Polished stainless steel		
32D*	630*	Satin stainless steel	Plastic pad or bronze wool	Cleaners, solvents, bleach, steel wool

* Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.

Note: FLW & FSW are NOT available in 32 or 32D

Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D except FLW & FSW which are available in 14 and 15.

LOCK/CYLINDER FINISH

Device Finish	Cylinder/Core*
03, 04, 09, 10, 10B, 10BE, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D	15
BSP	BSP

*Finish when cylinder provided with Device

TO AVOID DISCOLORATION AND PITTING:

- Keep stainless steel away from contact with other metals
- Avoid cleaning with mineral acids or chlorine products
- Avoid cleaning with abrasive products like sandpaper or steel wool

TO MAINTAIN THE FINISH:

- Remove any contamination before damage occurs
- Protect with a metal polish or car wax

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Architectural Specifications

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2.01 EXIT DEVICES

A. Exit devices shall be 80 Series push rail devices as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Exit devices shall be certified to meet or exceed the requirements of ANSI/BHMA A156.3 Grade 1.

C. Exit devices shall be listed by Underwriters Laboratories for panic and bear the UL label for life safety in full compliance with NFPA 80 and NFPA 101. Exit devices for fire labeled doors shall be UL listed as "Fire Exit Hardware".

D. Exit Devices shall be certified to meet the requirements of ANSI/BHMA A156.41, Door Hardware Single Motion To Egress.

E. Provide standard hex key dogging on non fire-rated exit devices, with cylinder dogging (i.e., SARGENT 16- option) as an option.

F. Exit devices shall comply with UL 10C positive pressure requirements.

G. Construction:

1. Chassis shall be of heavy duty cast design with one piece drawn nonferrous removable covers matching the material of the push and mounting rails.
2. Stamped steel chassis are not acceptable.
3. Mounting rails shall be formed from a solid single piece of stainless steel, brass or bronze no less than 0.072 inches thick.
4. Push rails shall be constructed of 0.062 inch thick material in the same manner as the mounting rail. Painted or anodized aluminum shall not be considered heavy duty and are not acceptable.
5. Provide protective Lexan touchpad on the exit device push rail to prevent scratches and serve as a visible guide to the user.
6. Metal end caps shall be formed from the same base metal as the push and mounting rails.

H. Exit devices shall have a maximum of 3 inches projection from the face of the door in the non-dogged position. When in the dogged position, the device shall have no more than a 2-1/8 inch projection from the door face.

I. The design of the exit device shall eliminate the necessity of removing the device from the door for standard maintenance or keying changes.

J. The device chassis shall be mounted and operable without the need of the rail or the chassis cover.

K. Trim shall be through-bolted.

L. Devices shall be available with matching trim for both wide and narrow stile doors, including electrified functions when required.

M. Exit device operating lever trim shall withstand 1000 inch pounds of torque without allowing access.

N. Lever trim shall be available in architectural finishes and designs to match that of the locksets specified.

O. Provide electrified exit devices with ElectroLynx® standardized plug connectors to accommodate up to twelve wires.

P. Plug connectors shall plug directly into ElectroLynx® through-door wiring harnesses for connection to electric transfer hinge and power supplies.

Q. Provide sufficient number of concealed wires to accommodate electric function of specified hardware.

R. Exit devices shall have a five year limited warranty.

These guidelines should be referenced regularly and as required for proper appearance and longevity of finish.

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Notes

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

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

SARGENT®

ASSA ABLOY

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New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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PRODUCT CATALOG

PE80 Series Exit Device

Experience a safer
and more open world

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Overview

The SARGENT PE80 Series is the next generation of exit devices. Designed with innovation in mind, the powerful and exquisite exit device introduces new and enhanced features as compared to other models across the industry. Ideal for environments that require maximum strength and durable security solutions, all configurations (rim, mortise, surface vertical and concealed vertical rod) exceed ANSI/BHMA Grade 1 requirements.

INNOVATION

- All wires for electromechanical options are routed through the rail
- Vertical rods adjusted at the center case on concealed and surface vertical rod devices
- Large chassis indicator viewing window
- Hidden dogging mechanism
- Improved Delayed Egress functionality
- Enhanced Motorized Electric Latch Retraction features
- EcoFlex® technology on all electrified trim
- Motorized Electric Latch Retraction available with FEMA certified devices
- 5lb pressure latch release optional on all rim and concealed vertical
  rod device types to comply with California Building Codes
- Available with MicroShield or CuVerro Shield Coating (Available as a Special)

SECURITY

- Torx® screws
- Pushrail dogging option available, with or without indicators
- Lock Status Indicator option available for rim devices
- Master keying with Sargent Security Key systems available (Degree®, Signature, Keso F1, Keso and XC)

STRENGTH AND DURABILITY

- ANSI/BHMA A156.3 Grade 1 certified
- Exterior components made of stainless steel
- Heavy duty mounting construction
- Built to withstand abusive conditions and designed to deflect impacts from carts
- Robust end cap design for high impact environments
- 10-year warranty

AESTHETICS

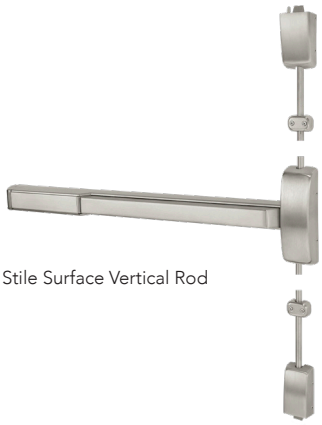
- Multiple trim options for wide and narrow stile applications
- No catch points
- No visible fasteners on rail assembly
- Mixed finish options
- Available with Studio Collection decorative lever trim
- Available with MicroShield or CuVerro Shield coating

PE8800 Wide Stile Rim Exit Device

PE8900 Wide Stile Mortise Lock Exit Device

PE8500 Narrow Stile Rim Exit Device

PE8300 Narrow Stile Mortise Lock Exit Device



PE8700 Wide Stile Surface Vertical Rod Exit Device

PE8600 Wide Stile Concealed Vertical Rod Exit Device

PE8400 Narrow Stile Concealed Vertical Rod Exit Device

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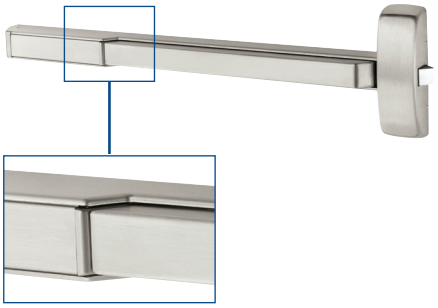
Key features

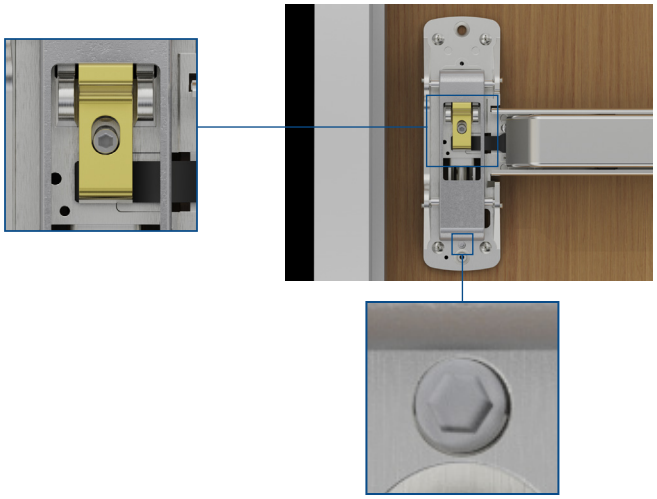
ELIMINATED CATCH POINTS

The design for the interaction of the pushbar and rail carrier is significant. Creating a flush profile increases safety by reducing catch points from bags/straps and increasing mobility for firehoses. The elimination of catch points also extends the life of the exit device with reduced maintenance and parts replacement.



CENTER CASE ADJUSTABILITY

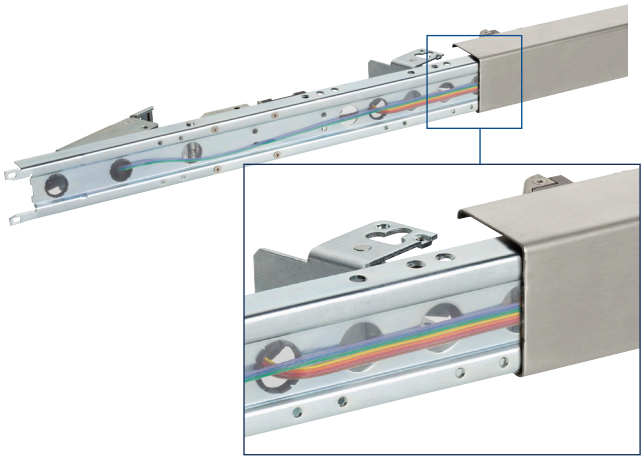
This feature eliminates the challenges and time needed to adjust latch engagement on vertical rod devices. The PE80 Series includes the capability to make adjustments up to 5/8" while the door is hung in place, using only an allen wrench.



WIRE ROUTING

Wires for all applicable electromechanical functions (73, 74, 75, 76), options (53-, 54-, 55-, 56-, 59-) and EcoFlex trim are contained within the carrier of the PE80 Series exit device, eliminating the need for cavities in doors to be drilled. A protective film is included so the wires don't get damaged if rail needs to be removed. This makes installation and upgrades easier and faster.

NOTE: Not available with access control products (IN Series, SN Series)



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Key features

ECOFLEX® TECHNOLOGY

SARGENT EcoFlex trim reduces energy consumption, which lowers operating costs and reduces the number of power supplies required.

- Field configurable to fail-safe or fail-secure, and operates from 12-24VDC, offering greater flexibility in system design
- Superior reliability through higher performance and reduced maintenance
- Longer cable runs without negatively impacting lock function
- Reduced risk of voltage drops and eliminates inductive kickback
- Lowers the total cost of ownership

(Narrow Style ET Trim)

(Wide Style ET Trim)

SHELTER PE8867 FUNCTION

Fast and easy lockdown option that disables the trim by making it freewheel instead of retracting the latch. Allows for anyone to place the device into a lockdown mode during and emergency situation.

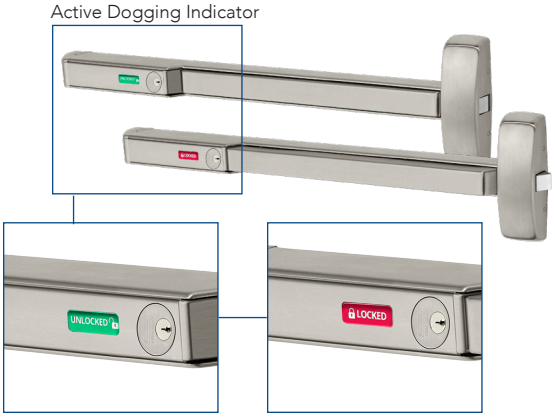
- Bright red button is easy to identify quickly and easy to push.
- Available with the 49- indicator option which provides clear indication of the shelter in place status.
- Perfect for providing increased safety to higher capacity educational, health care and office spaces.

STATUS INDICATORS

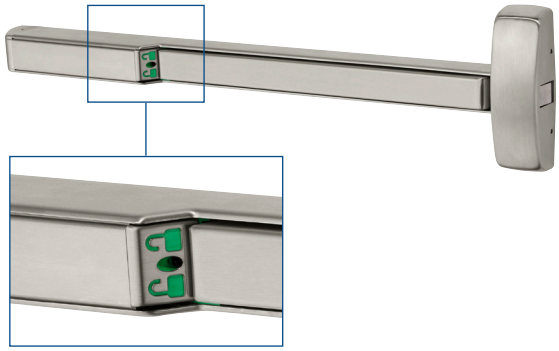
The PE80 Series includes three status indicator options to provide peace of mind for occupant safety and security.

- The Active Dogging Indicator displayed in the rail for visual confirmation if the door is dogged.
- Our 18- Passive Dogging option with a subtle display on the side of the pushpad.
- As well the 49- Trim Status Indicator option with a large display on the chassis cover for our Classroom Intruder functions.

Active Dogging Indicator



18- Passive Dogging Indicator



49- Trim Status Indicator

AESTHETICS

Complement the look of the entire opening with door closer covers for the 281 Series, specifically designed to match the exit device design.

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Ratings and certifications

UL Fire Ratings

Type	Exit Device	Door Material	Single Door	With 12-HC980 or 12-980 or 12-HCL980 Mullion	With 12-L980 Mullion	With 12-HD980 Mullion	VR/VR Doors Swing Same Direction	SVR/ Mortise Doors Swing Same Direction	CVR/ Mortise MD Doors Swing Same Direction	VR/VR Double Egress
Rim - Narrow Stile	12-PE8500	Metal	3 Hour 4' x 8'	3 Hour 8' x 8'	1.5 Hour 8' x 8'	3 Hour 8' x 8'	-	-	-	-
Rim - Wide Stile	12-PE8800	Metal	3 Hour 4' x 10'	3 Hour 8' x 8'	1.5 Hour 8' x 8'	3 Hour 8' x 10'	-	-	-	-
Mortise - Narrow Stile	12-PE8300	Metal	3 Hour 4' x 10'	-	-	-	-	-	3 Hour 8' x 10'	-
Mortise - Wide Stile	12-PE8900	Metal	3 Hour 4' x 10'	-	-	-	-	3 Hour 8' x 8'	3 Hour 8' x 10'	-
SVR - Wide Stile	12-PE8700	Metal	-	-	-	-	3 Hour 8' x 8'	3 Hour 8' x 8'	-	3 Hour 8' x 8'
	12-FM-PE8700	Metal	3 Hour 4' x 8'	-	-	-	3 Hour 8' x 8'	-	-	-
	12-NB-PE8700	Metal	-	-	-	-	3 Hour 8' x 10'	-	-	3 Hour 8' x 10'
CVR - Narrow Stile	12-MD-PE8400	Metal	-	-	-	-	3 Hour 8' x 10'	-	3 Hour 8' x 10'	3 Hour 8' x 10'
	12-NB-PE8400	Metal	-	-	-	-	3 Hour 8' x 10'	-	-	3 Hour 8' x 10'
CVR - Wide Stile	12-MD-PE8600	Metal	-	-	-	-	3 Hour 8' x 10'	-	3 Hour 8' x 10'	3 Hour 8' x 10'
	12-WD-PE8600	Wood Composite	1-1/2 Hour 4' x 9'							
	12-NB-PE8600	Metal	-	-	-	-	3 Hour 8' x 10'	-	-	3 Hour 8' x 10'

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

Note: please contact door manufacturer for specifications regarding fire door construction and current UL listing.

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Ratings and Certifications

Windstorm, Tornado and Hurricane Ratings

WINDSTORM AND HURRICANE

Model		Configuration (Outswing Doors Only)	Max Size	Stiffness Class	Design Pressure (psf)	Impact (ft-lbs)	Latch Throw Min (in.)	Latch Strength Min (lbf)
HC-PE8800 12-HC-PE8800	Rim	Single door	4' x 8'	I	+/-70	350	3/4	1120
HC-PE8800 12-HC-PE8800	Rim	Door Pair	8' x 8'	I	+/-70	350	3/4	1120
WS-PE8800 WS-PE8800 WS-12-PE8800 WS-12-PE8800 WS-PE8900 WS-12-PE8900	Rim	Single Door	3' x 7'	I	+/-60	350	3/4	630
MD-PE8600 HC-MD-PE8600 12-PE8600 MD-12-PE8600 HC-MD-12-PE8600	CVR	Door Pair, two-point latching	8' x 8'	I	+/-86	350	1/2	688
HC-PE8700	SVR	Single door	4' x 8'	I	+/-65	350	3/4	520
HC-PE8700	SVR	Door Pair with (2) 988, 988-12, or 988-24 surface bolts engaged (inactive leaf)	8' x 8'	I	+/-65	350	3/4	520
HC-PE8700	SVR	Door Pair	8' x 8'	I	+/-65	350	3/4	520
HC4-PE8700	SVR	Single door	4' x 8'	I	+/-150	350	3/4	1200
HC4-PE8700	SVR	Door Pair with (2) 988, 988-12, or 988-24 surface bolts engaged (inactive leaf)	8' x 8'	I	+/-150	350	3/4	1200
HC4-PE8700	SVR	Door Pair	8' x 8'	I	+/-150	350	3/4	1200
HC980* 12-HC980* 12-HCL980*	Mullions	Door Pair	8' x 8'	I	+/-70	350	N/A	N/A
12-L980	Mullions	Door Pair	8' x 7'	I	+/-70	350	N/A	N/A
988, 988-1, 988-2	Surface Bolts	Door Pair	8' x 8'	I	+/-150	350	-	1200

*For use with UL Classified HC-PE8800 and 12-HC-PE8800 rim exit devices.

TORNADO

Model		Configuration (Outswing Doors Only)	Max Size	Design Pressure	Missile Impact
FM-PE8700 12-FM-PE8700	SVR	Single Door	3'0" x 6'8"	+/- 284 psf	15lb 2'x4' @ 100mph
		Single Door	> 3' 0" x 7'0"	+246 psf, -225 psf	15lb 2'x4' @ 100mph
		Double Door	6'0" x 6'8"	+/- 284 psf	15lb 2'x4' @ 100mph
		Double Door	> 6'0" x 7'0"	+246 psf, -225 psf	15lb 2'x4' @ 100mph

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Ratings and Certifications (cont.)

Windstorm Certifications

WINDSTORM CERTIFICATIONS: FLORIDA BUILDING CODES AND UL LISTINGS

Sargent Manufacturing's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the PE80 Series lock.

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

FLORIDA BUILDING CODE: FL2998

UL CERTIFICATION DIRECTORY: ZHEM.R21744 – LATCHING HARDWARE

ANSI/SDI-BHMA A250.13	Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies.
ANSI/ASTM E330	Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference.
ANSI/ASTM E1886	Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials.
ASTM E1996	Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes.
(TAS) 201	Impact Test Procedures*.
(TAS) 202	Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference.
(TAS) 203	*Criteria for Testing Products Subject to Cyclic Wind Pressure Loading.

* Published in the "Florida Building Code"

UL CERTIFICATION DIRECTORY: ZHLL.R21744 – PRODUCTS FOR USE IN WINDSTORM-RATED ASSEMBLIES (AVAILABLE ON FM-PE8700 SERIES ONLY)

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

FEMA Publication 361 (2021)	Design and Construction Guidance for Community Safe Rooms, investigated with respect to impact and pressure requirements only.
ICC 500 (2020)	ICC/NSSA Standard for the Design and Construction of Storm Shelters, investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. The information below correlates design wind speed to the minimum missile speeds as discussed in Table 305.1.1 of ICC 500.

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PE8500 Narrow Stile
Rim Exit Device

SPECIFICATIONS

Chassis Cover	Stainless steel, brass or bronze
Chassis	Ferrous alloy
Door Type	Wood, metal, aluminum (consult factory for other door types)
Door Configuration	Single door or double door with mullion
Door Thickness	• 1-3/4" minimum thickness. • For doors over 1-3/4" to 5" thick, specify thickness and order as 31- (see page 100 for function limitation)
Stile	Narrow Trim - 2" minimum stile Wide Trim - 3" minimum stile
Rails	Stainless steel, brass or bronze
Rail Size	Standard - E, F, J, G (see page 73 for measurements) Custom sizes available
Projection	2.88"
Latchbolt	Stainless steel, 3/4" throw
End Cap	• Flush end cap standard • Overlapping end cap optional - Specify OL-
Device centerline	• 39-5/8" for standard applications • 38" for elementary schools
Dogging Feature	• Hex key dogging standard on non fire-rated mechanical devices • Specify 16- for cylinder dogging (#41 cylinder supplied) • Specify LD for less dogging
Indicator	Specify 18- for passive dogging indicator
Strikes	• 656 & 657 Strike - Standard • 649 Strike - Standard for fire-rated devices • 658 Strike - Standard with 650A mullions • Optional strikes: 613, 642 644, and 649 • 604 Wear Plate - Optional
Mounting Fasteners	• Wood and machine screws provided • Available with thrubolts (TB-)
Fire Ratings	See ratings and certifications table on page 7

HOW TO ORDER

Options (Cylinder/Mechanical/ Electrical)	Device Type	Function	Rail Size	Trim	Finish - Outside	Hand	Optional Strikes	Finish - Inside	Door Width
56-	PE85	10	F	NEL	26D	RHR	644	32D	36

HOW TO ORDER - DEVICE ONLY

Options (Cylinder/Mechanical/Electrical)	Device Type	Function	Rail Size	Finish	Door Width
56-	PE85	10	F	32D	36

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PE8500 Narrow Stile
Rim Exit Device

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FUNCTIONS Device only.

Function	ANSI	Description	Device Only
10	01	No outside operation (No Cylinder)	PE8510

FUNCTIONS/TRIM For trim details, see page 74. For lever options, see pages 78-85.

(Narrow Stile ET Trim)

Function	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #34 cylinder supplied	PE8504 x NEx	P704 NEx
06	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	PE8506 x NEx	P706-8 NEx
10	02	No outside operation (No Cylinder) Trim is used as Pull Only	PE8510 x NEx	P710 NEx
13	08	Key outside unlocks/locks trim #41 cylinder supplied	PE8513 x NEx	P713-8 NEx
15	14	Passage only (no cylinder)	PE8515 x NEx	P715-8 NEx
40	01	No outside operation (no cylinder)	PE8540 x NEx	P740 NEx
43	08	Key outside unlocks/locks trim #41 cylinder supplied	PE8543 x NEx	P743-8 NEx
44	03	Night latch-key retracts latch #34 cylinder supplied	PE8544 x NEx	P744 NEx
46	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	PE8546 x NEx	P746-8 NEx
73	-	Electrified lever trim - fail safe power off, unlocks lever (no cylinder)	PE8573 x NEx	P773-8 NEx
74	-	Electrified lever trim - fail secure power off, locks lever (no cylinder)	PE8574 x NEx	P774-8 NEx

(Wide Stile ET Trim)

Function	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #34 cylinder supplied	PE8504 x WEx	P704 WEx
06	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	PE8506 x WEx	P706-8 WEx
10	02	No outside operation (No Cylinder) Trim is used as Pull Only	PE8510 x WEx	P710 WEx
13	08	Key outside unlocks/locks trim #41 cylinder supplied	PE8513 x WEx	P713-8 WEx
15	14	Passage only (no cylinder)	PE8515 x WEx	P715-8 WEx
40	01	No outside operation (no cylinder)	PE8540 x WEx	P740 WEx
43	08	Key outside unlocks/locks trim #41 cylinder supplied	PE8543 x WEx	P743-8 WEx
44	03	Night latch-key retracts latch #34 cylinder supplied	PE8544 x WEx	P744 WEx
46	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	PE8546 x WEx	P746-8 WEx
73	-	Electrified lever trim - fail safe power off, unlocks lever (no cylinder)	PE8573 x WEx	P773-8 WEx
74	-	Electrified lever trim - fail secure power off, locks lever (no cylinder)	PE8574 x WEx	P774-8 WEx

(862, 863, 864 Pull)

Function	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #34 cylinder supplied	PE8504 x 86x	86x
10	02	No outside operation (no cylinder); Used as pull only	PE8510 x 86x	

Pulls are not available in 14, 15, 26 or 26D

*Must specify finish

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PE8500 Narrow Stile
Rim Exit Device

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OPTIONS

	How to Specify	Detailed Description
Certifications	12-	UL fire label exit hardware (not available with 16-, 18- & HK-)
Cylinder	LC-	Less cylinder
Dogging	16-	Cylinder lockdown with # 41 cylinder (not available with 12-, 59-, AL-, HK- options)
	LD-	Less dogging for non fire-rated devices
Door Type	31-	Doors over 1-3/4" and/or panels (specify door thickness, panel thickness & location as required)
End Cap	OL-	Overlap end cap
Fasteners	36-	Six lobe security head screws
	TB-	Thrubolts (non-trim applications only)
Finish Protection	CPC-	Clear powder coat (available for 32 & 32D finishes)
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes - Available as special only)
Indicator	18-	Passive dogging indicator
Latching	GL-	Guarded Latch
Luminescence	PL-	SARGuide® – photoluminescent coated push rail – (not available with 85 & 87 options)
Rail Force	5CH-	5lb. Pressure Release
Tactile Warning	76-	Tactile warning - milled outside lever (not available with Studio collection levers and the A lever)
	85-	Tactile warning - abrasive strip on push rail (not available with PL- option)
	86-	Tactile warning - abrasive coating on outside lever
	87-	Tactile warning - abrasive strip on push rail & abrasive coating on outside lever (not available with PL- option)
Weather Resistant	WH-	Weep Holes

ELECTRICAL OPTIONS

	How to Specify	Detailed Description
Electrical Options	53-	Latchbolt monitoring switch (not available with 59- & 5CH option)
	W53-	Weather Resistant Latchbolt monitoring swith (not available with 56-, VLR, 58-, 59- & AL)
	54-	Monitors ET lever movement with Internal micro switch in ET control
	W54-	Weather Resistant Lever monitoring swith (not available with 56-, VLR, 58-, 59- & AL)
	55-	Request to exit - signal switch in rail (not available with 59-option)
	W55-	Weather Resistant Request to exit - signal switch in rail (not available with 56-, VLR, 58-, 59- & AL)
	55-ERM-	Double touchbar monitoring
	W55-ERM	Weather Resistant double touchpad monitoring swith (not available with 56-, 58-, 59- & AL)
	56-	Remote latch retraction (not available 58-, 59-, AL, W53- W54- & W55-)
	58-	Electric rail dogging (not available 56-, VLR, 59-, W53-, W54- and W55- options)
	59-	Electroguard® self contained delayed egress device (not available with 16-, 53-, W53-, W54, 55-, W55-, 56-, VLR, 58-, AL-, GL- & 5CH options)
	AL-	Alarmed exit (not available 16-, 56-, VLR, 59-, W53, W54 and W55- options)
	HK-	Electrified exit device with manual hex key dogging (available with 56-, VLR, 58- option)
	VLR-	Latch Retraction Override (not available 58-, 59-AL, W53-, W54- & W55-)
	WH-	Weep Holes (not available with 56-, VLR, 58-, 59- & AL)
	WR-	Include wire harness for Less Trim Devices. (Supplied standard with 59- option)

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PE8500 Narrow Stile
Rim Exit Device

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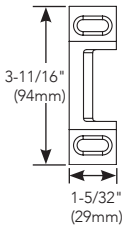
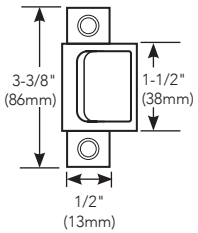
STANDARD STRIKES

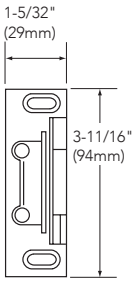
656 STRIKE
- Surface applied
- Required backset:
  - 2" - Aluminum mullions
  - 2-3/8" - Steel mullions
- Black nylon coated
- See template #MEDT74 for more details

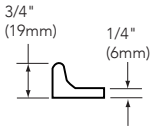


657 STRIKE
- Standard
- Surface applied or mortised
- For use on frames with blade stop or integral stop
- Black nylon coated
- See template #MEDT37 for more details

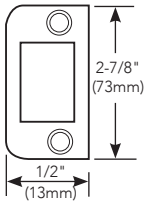


649 STRIKE
- Standard for fire-rated
- Surface applied
- Black nylon coated
- Required backset - 1-1/2"
- See template #MEDT38 (single door applications) for more details
- See template #MEDT39 (double door/ mullion applications) for more details





658 STRIKE
- Standard with 650A mullion
- Can be ordered separately for surface application to frames
- Black nylon coated
- See template #MEDT77 for more details



650A Mullion

Door Frame

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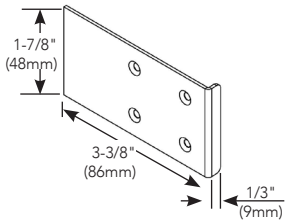
PE8500 Narrow Stile
Rim Exit Device

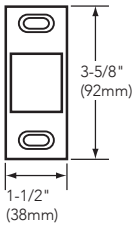
SARGENT
ASSA ABLOY

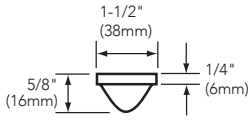
OPTIONAL STRIKES

604 WEAR PLATE
- Used on aluminum doors
- Cut in field to accommodate all door frame face sizes
- Black nylon coated

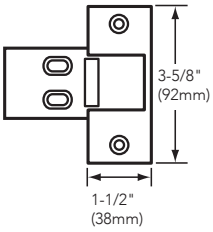


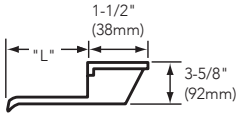
613 STRIKE
- Half mortised
- Black nylon coated
- See template #MEDT73 for more details



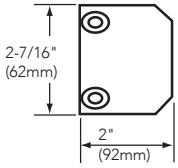


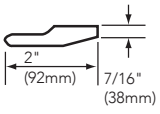
642 STRIKE
- Mortised
- Dimension "L" equals door thickness plus 1/2" (13mm)
- Black nylon coated
- See template #MEDT71 for more details

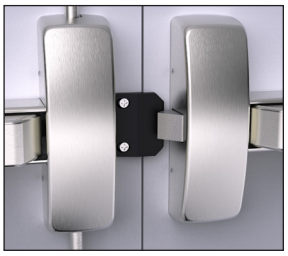




644 STRIKE
- Surface applied
- For use on pairs of doors without mullion
- Ductile Iron
- Black nylon coated
- See template #MEDT72 for more details







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PE8800 Wide Stile
Rim Exit Device

SPECIFICATIONS

Chassis Cover	Stainless steel, brass or bronze
Chassis	Ferrous alloy (non-fire and fire rated devices)
Door Type	Wood, metal, aluminum (Consult factory for other door type options)
Door Configuration	Single door or double door with mullion
Door Thickness	• 1-3/4" minimum thickness. • For doors over 1-3/4" to 5" thick, specify thickness and order as 31-. For function limitation see page 100.
Stile	4-1/2" minimum - Narrow & Wide Trim
Rails	Stainless steel, brass or bronze
Rail Size	• Standard - E, F, J, G (see page 73 for measurements). • Custom sizes available
Projection	2.88"
Latchbolt	Stainless steel, 3/4" throw
End Cap	• Flush end cap standard • Overlapping end cap optional - Specify OL-
Device Centerline	• 39-5/8" for standard applications • 38" for elementary schools
Dogging Feature	• Hex key dogging standard on non fire-rated mechanical devices • Specify 16- for cylinder dogging (#41 cylinder supplied). • Specify LD for less dogging
Indicators	• Specify 18- for passive dogging indicator • Specify 49- for trim status indicator • Active Dogging Indicator - See page 96
Strikes	• 649 Strike - Standard • 658 Strike - Standard with 650A mullions • Optional strikes: 613, 642, 644 and 656
Mounting Fasteners	• Wood and machine screws provided • Available with thrubolts (TB-)
Fire Ratings	See ratings and certifications table on page 7
Hurricane Ratings	See hurricane/windstorm ratings and certifications table on page 8

HOW TO ORDER

Options (Cylinder/Mechanical/ Electrical)	Device Type	Function	Rail Size	Trim	Finish - Outside	Hand	Optional Strikes	Finish - Inside	Door Width
56-	PE88	10	F	WEL	26D	RHR	644	32D	36

HOW TO ORDER - DEVICE ONLY

Options (Cylinder/Mechanical/Electrical)	Device Type	Function	Rail Size	Finish	Door Width
56-	PE88	10	F	32D	36

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PE8800 Wide Stile
Rim Exit Device

SARGENT
ASSA ABLOY

FUNCTIONS Device only.

Function	ANSI	Description	With Device	Trim Only*
10	01	No outside operation (No Cylinder)	PE8810	P704 NEx
88	-	Multi-function device. Trim sold separately	PE8888	P706-8 NEx
93	-	Decorative, static push bar. Outside trim ordered separately	PE8893	P710 NEx
95	-	Active dummy rail. Outside trim ordered separately.	PE8895**	P713-8 NEx

** Not available for 24" or 25" openings

FUNCTIONS/TRIM For trim details, see page 74. For lever options, see pages 78-85.

(Narrow Stile ET Trim)

Function	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #34 cylinder supplied	PE8804 x NEx	P704 NEx
06	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	PE8806 x NEx	P706-8 NEx
10	02	No outside operation (No Cylinder) Trim is used as Pull Only	PE8810 x NEx	P710 NEx
13	08	Key outside unlocks/locks trim #41 cylinder supplied	PE8813 x NEx	P713-8 NEx
15	14	Passage only (no cylinder)	PE8815 x NEx	P715-8 NEx
16	10	Key Outside Retracts Latch; Key Inside Unlocks/Locks O/S Trim O/S #34 Cylinder & I/S #44 Cylinder Supplied Available with 49- Trim Status Indicator Option (see page 96)	PE8816 x NEx	P716 NEx
40	01	No outside operation (no cylinder); Freewheeling trim.	PE8840 x NEx	P740 NEx
43	08	Key outside unlocks/locks trim #41 cylinder supplied. Free-wheeling trim.	PE8843 x NEx	P743-8 NEx
44	03	Night latch-key retracts latch #34 cylinder supplied. Freewheel-ing trim.	PE8844 x NEx	P744 NEx
46	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied. Freewheeling trim.	PE8846 x NEx	P746-8 NEx
67	-	Push Button locks latchbolt/key releases button and latchbolt	PE8867 x NEx	P767-8 NEx
73	-	Electrified trim - fail safe power off, unlocks lever (no cylinder)	PE8873 x NEx	P773-8 NEx
74	-	Electrified lever trim - fail secure power off, locks lever (no cylinder)	PE8874 x NEx	P774-8 NEx
75	-	Electrified lever trim - fail safe power off, unlocks lever, key retracts latch #34 cylinder supplied	PE8875 x NEx	P775-8 NEx
76	-	Electrified lever trim - fail secure power off, locks lever, key retracts latch #34 cylinder supplied	PE8876 x NEx	P776-8 NEx

(Wide Stile ET Trim)

Function	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #34 cylinder supplied	PE8804 x WEx	P704 WEx
06	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	PE8806 x WEx	P706-8 WEx
10	02	No outside operation (No Cylinder) Trim is used as Pull Only	PE8810 x WEx	P710 WEx
13	08	Key outside unlocks/locks trim #41 cylinder supplied	PE8813 x WEx	P713-8 WEx
15	14	Passage only (no cylinder)	PE8815 x WEx	P715-8 WEx
16	10	Key Outside Retracts Latch; Key Inside Unlocks/Locks O/S Trim O/S #34 Cylinder & I/S #44 Cylinder Supplied Available with 49- Trim Status Indicator Option (see page 96)	PE8816 x WEx	P716 WEx
40	01	No outside operation (no cylinder)	PE8840 x WEx	P740 WEx
43	08	Key outside unlocks/locks trim #41 cylinder supplied	PE8843 x WEx	P743-8 WEx
44	03	Night latch-key retracts latch #34 cylinder supplied	PE8844 x WEx	P744 WEx
46	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	PE8846 x WEx	P746-8 WEx
67	-	Push Button locks latchbolt/key releases button and latchbolt	PE8867 x WEx	P767-8 WEx
73	-	Electrified lever trim - fail safe power off, unlocks lever (no cylinder)	PE8873 x WEx	P773-8 WEx
74	-	Electrified lever trim - fail secure power off, locks lever (no cylinder)	PE8874 x WEx	P774-8 WEx
75	-	Electrified lever trim - fail safe power off, unlocks lever, key retracts latch #34 cylinder supplied	PE8875 x WEx	P775-8 WEx
76	-	Electrified lever trim - fail secure power off, locks lever, key retracts latch #34 cylinder supplied	PE8876 x WEx	P776-8 WEx

*Must specify finish

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PE8800 Wide Stile
Rim Exit Device

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TRIM For trim details see page 76.

Function	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #34 cylinder supplied	PE8804 x FSL	814-FSL
10	02	No outside operation (no cylinder); Used as pull only	PE8810 x FLL	810-FLL
28	15	Passage only (no cylinder)	PE8828 x FLL	828-FLL
63	05	Key outside unlocks/locks thumbpiece #34 cylinder supplied	PE8863 x FLL	866-FLL
66	07	Key outside retracts latch; key inside unlocks/locks trim; O/S #34 & I/S #44 cylinder supplied Available with 49- Lock/Unlock Indicator Option (see page 96)	PE8866 x FLL	866-FLL

(FLL/FSL Pull Trim)

Function	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #34 cylinder supplied	PE8804 x FSW	814-FSW
10	02	No outside operation (no cylinder); Used as pull only	PE8810 x FLW	810-FLW
28	15	Passage only (no cylinder)	PE8828 x FLW	828-FLW
63	05	Key outside unlocks/locks thumbpiece #34 cylinder supplied	PE8863 x FLW	866-FLW
66	07	Key outside retracts latch; key inside unlocks/locks trim; O/S #34 & I/S #44 cylinder supplied Available with 49- Trim Status Indicator Option (see page 96)	PE8866 x FLW	866-FLW

(FLW/FSW Pull Trim)

Function	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #34 cylinder supplied	PE8804 x MSL	814-MSL
10	02	No outside operation (no cylinder); Used as pull only	PE8810 x MAL	810-MAL
28	15	Passage only (no cylinder)	PE8828 x MAL	828-MAL
63	05	Key outside unlocks/locks thumbpiece #34 cylinder supplied	PE8863 x MAL	866-MAL
66	07	Key outside retracts latch; key inside unlocks/locks trim; O/S #34 & I/S #44 cylinder supplied Available with 49- Trim Status Indicator Option (see page 96)	PE8866 x MAL	866-MAL

(MAL/MSL Pull Trim)

Function	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #34 cylinder supplied	PE8804 x PSB	814-PSB
10	02	No outside operation (no cylinder); Used as pull only	PE8810 x PTB	810-PTB
28	15	Passage only (no cylinder)	PE8828 x PTB	828-PTB
63	05	Key outside unlocks/locks thumbpiece #34 cylinder supplied	PE8863 x PTB	866-PTB
66	07	Key outside retracts latch; key inside unlocks/locks trim; O/S #34 & I/S #44 cylinder supplied Available with 49- Trim Status Indicator (see page 96)	PE8866 x PTB	866-PTB

(PTB/PSB Pull Trim)

Notes:
- Images represent the design of the backplate. Thumbpieces and cylinders are added to select functions.
- FLW and FSW trims are not available in 32 or 32D.
- Thumb piece trims are not available in 14, 15, 26 or 26D, except FLW is available in 14 & 15.

*Must specify finish

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PE8800 Wide Stile
Rim Exit Device

TRIM For trim details see page 76.

(STS Pull Trim)

Function	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #34 cylinder supplied	PE8804 x STS	814-STS
10	02	No outside operation (no cylinder); Used as pull only	PE8810 x STS	810-STS
28	15	Passage only (no cylinder)	PE8828 x STS	828-STS
63	05	Key outside unlocks/locks thumbpiece #34 cylinder supplied	PE8863 x STS	866-STS
66	07	Key outside retracts latch; key inside unlocks/locks thumbpiece on outside trim; Outside cylinder #34 & Inside cylinder #44 supplied Available with 49- Trim Status Indicator Option (see page 96)	PE8866 x STS	866-STS

(862, 863, 864 Pull)

Function	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #34 cylinder supplied	PE8804 x 86x	86x
10	02	No outside operation (no cylinder)	PE8810 x 86x	86x

Note:
Pulls and thumb piece trims are not available in 14, 15, 26 or 26D.

ANTI-VANDAL TRIM For Anti-Vandal trim details see page 77.

Anti Vandal Trim
(821, 826)

Function	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #34 cylinder supplied	PE8804 x 826	826
10	02	No outside operation (no cylinder); Used as pull only	PE8810 x 821	821

*Must specify finish

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PE8800 Wide Stile
Rim Exit Device

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MECHANICAL OPTIONS

	How to Specify	Detailed Description
Certifications	12-	UL fire label exit hardware (not available with 16-, 18-& HK- options)
	HC-	Hurricane rated
	WS-	Windstorm rated
Cylinder	LC-	Less cylinder
Dogging	16-	Cylinder lockdown with # 41 cylinder (not available with 12-, 59-, AL-, HK- options)
	LD-	Less dogging for non fire-rated devices
Door Type	31-	Doors over 1-3/4" and/or panels (specify door thickness, panel thickness & location as required)
End Cap	OL-	Overlap end cap
Fasteners	36-	Six lobe security head screws
	TB-	Thrubolts
Finish Protection	CPC-	Clear powder coat (available for 32 & 32D finishes)
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)
Indicators	18-	Passive dogging indicator
	49-	Trim Status Indicator (available on PE8816, PE8866 and PE8867 functions only)
Latching	GL-	Guarded Latch
Luminescence	PL-	SARGuide® photoluminescent push rail – (not available with 85 & 87 options)
Rail Force	5CH-	5lb. Pressure Release
Tactile Warning	76-	Tactile warning - milled outside lever (not available with Studio Collection levers and the A lever)
	85-	Tactile warning - abrasive strip on push rail (not available with PL- option)
	86-	Tactile warning - abrasive coating on outside lever
	87-	Tactile warning - abrasive strip on push rail & abrasive coating on outside lever (not available with PL- option)
Weather Resistant	WH-	Weep Holes

ELECTRICAL OPTIONS

	How to Specify	Detailed Description
Electrical Options	53-	Latchbolt monitoring switch (not available with 59- option)
	W53-	Weather Resistant Latchbolt monitoring swith (not available with 56-, VLR, 58-, 59- & AL)
	54-	Monitors ET lever movement with Internal micro switch in ET control
	W54-	Weather Resistant Lever monitoring swith (not available with 56-, VLR, 58-, 59- & AL)
	55-	Request to exit - signal switch in rail (not available with 59-option)
	W55-	Weather Resistant Request to exit - signal switch in rail (not available with 56-, VLR, 58-, 59- & AL)
	55-ERM-	Double touchbar monitoring
	W55-ERM	Weather Resistant double touchpad monitoring swith (not available with 56-, VLR, 58-, 59- & AL)
	56-	Remote latch retraction (not available 58-, 59-, AL, W53- W54- & W55-)
	58-	Electric rail dogging (not available 56-, VLR, 59-, W53-, W54- and W55- options)
	59-	Electroguard® self contained delayed egress device (not available with 16-, 53-, W53-, W54, 55-, W55-, 56-, VLR, 58-, 5CH-, AL- &, GL- options)
	AL-	Alarmed exit (not available 16-, 56-, VLR, 59-, W53, W54 and W55- options)
	HK-	Electrified exit device with manual hex key dogging (available with 56-, VLR, 58- option)
	VLR-	Latch Retraction Override (not available 58-, 59-AL, W53-, W54- & W55-)
	WH-	Weep Holes (not available with 56-, VLR, 58-, 59- & AL)
	WR-	Include wire harness for Less Trim Devices. (Supplied standard with 59- option)

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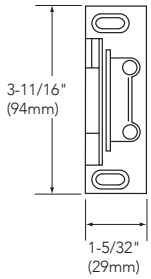
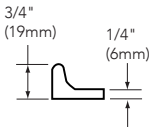
PE8800 Wide Stile
Rim Exit Device

STANDARD STRIKES

649 STRIKE

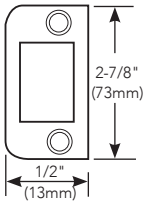
- Standard
- Surface applied
- Black nylon coated
- Required backset - 1-1/2"
- See template #MEDT38 (single door applications) for more details
- See template #MEDT39 (double door/ mullion applications) for more details





658 STRIKE

- Standard with 650A mullion
- Can be ordered separately for surface application to frames
- Black nylon coated
- See template #MEDT77 for more details



650A Mullion

Door Frame

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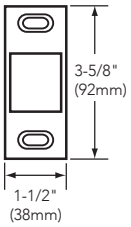
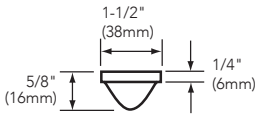
PE8800 Wide Stile
Rim Exit Device

SARGENT
ASSA ABLOY

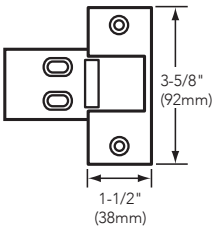
OPTIONAL STRIKES

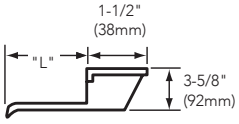
613 STRIKE
- Half mortised
- Black nylon coated
- See template #MEDT73 for more details



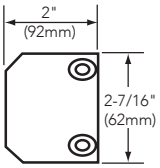


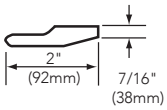
642 STRIKE
- Mortised
- Dimension "L" equals door thickness plus 1/2" (13mm)
- Black nylon coated
- See template #MEDT71 for more details

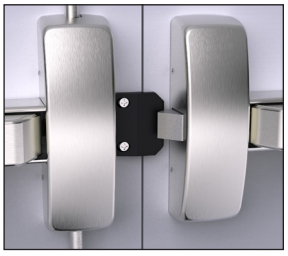




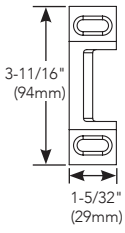
644 STRIKE
- Surface applied
- For use on pairs of doors without mullion
- Ductile Iron
- Black nylon coated
- See template #MEDT72 for more details







656 STRIKE
- Surface applied
- Required backset:
  - 2" - Aluminum mullions
  - 2-3/8" - Steel mullions
- Black nylon coated
- See template #MEDT74 for more details



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SARGENT
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PE8300 Narrow Stile
Mortise Lock Exit Device

SPECIFICATIONS

Chassis Cover	Stainless steel, brass or bronze
Chassis	Nonferrous alloy
Door Type	Wood, metal, aluminum (Consult factory for other door type options)
Door Configuration	Single doors or double doors with Mortise/SVR configuration
Door Thickness	• 1-3/4" minimum thickness. • For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Stile	4-1/2" minimum - narrow & wide trim
Rails	Stainless steel, brass or bronze
Rail Size	Standard - E, F, J, G (see page 73 for measurements). • Custom sizes available
Projection	2.88"
Latchbolt	Brass nickel plated, 3/4" throw, anti-friction
Guarded Deadlatch	Provided as standard feature
End Cap	• Flush end cap standard • Overlapping end cap optional - Specify OL-
Device Centerline	• 39-5/8" for standard applications • 38" for elementary schools
Dogging Feature	• Hex key dogging standard on non fire-rated mechanical devices • Specify 16- for cylinder dogging (#41 cylinder supplied). • Specify LD for less dogging • Specify 18- for dogging indicator
Indicator	Specify 18- for passive dogging indicator
Strikes	• C908 black nylon coated • Optional strikes: 815 Open Back Strike or 908 Flat Lipped Strike
Mounting Fasteners	• Wood and machine screws provided • Available with thrubolts (TB-)
Fire Ratings	See ratings and certifications table on page 7

HOW TO ORDER

Options (Cylinder/Mechanical/ Electrical)	Device Type	Function	Rail Size	Trim	Finish - Outside	Hand	Optional Strikes	Finish - Inside	Door Width
56-	PE83	10	F	NEL	15	RHR	908	32D	36

HOW TO ORDER - DEVICE ONLY

Options (Cylinder/Mechanical/Electrical)	Device Type	Function	Rail Size	Finish	Door Width
56-	PE83	10	F	32D	36

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PE8300 Narrow Stile
Mortise Lock Exit Device

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FUNCTIONS Device only.

Function	ANSI	Description	Device Only
10	01	No outside operation (No Cylinder)	PE8310

FUNCTIONS/TRIM Trim (For trim details, see page 74. For lever options, see pages 78-85.)

(Narrow Stile ET Trim)

Function	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #46 cylinder supplied	PE8304 x NEx	P704 NEx
06	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	PE8306 x NEx	P706 NEx
10	02	No outside operation (No Cylinder) Trim is used as Pull Only	PE8310 x NEx	P710 NEx
13	08	Key outside unlocks/locks trim #41 cylinder supplied	PE8313 x NEx	P713 NEx
15	14	Passage only (no cylinder)	PE8315 x NEx	P715 NEx
40	01	No outside operation (no cylinder)	PE8340 x NEx	P740 NEx
43	08	Key outside unlocks/locks trim #41 cylinder supplied	PE8343 x NEx	P743 NEx
44	03	Night latch-key retracts latch #46 cylinder supplied	PE8344 x NEx	P744 NEx
46	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied. Freewheeling trim.	PE8346 x NEx	P746 NEx
73	-	Electrified trim - fail safe power off, unlocks lever (no cylinder)	PE8373 x NEx	P773 NEx
74	-	Electrified trim - fail secure power off, locks lever (no cylinder)	PE8374 x NEx	P774 NEx
75	-	Electrified trim - fail safe power off, unlocks lever, key retracts latch #46 cylinder supplied	PE8375 x NEx	P775 NEx
76	-	Electrified trim - fail secure power off, locks lever, key retracts latch #46 cylinder supplied	PE8376 x NEx	P776 NEx

(Wide Stile ET Trim)

Function	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #46 cylinder supplied	PE8304 x WEx	P704 WEx
06	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	PE8306 x WEx	P706 WEx
10	02	No outside operation (No Cylinder) Trim is used as Pull Only	PE8310 x WEx	P710 WEx
13	08	Key outside unlocks/locks trim #41 cylinder supplied	PE8313 x WEx	P713 WEx
15	14	Passage only (no cylinder)	PE8315 x WEx	P715 WEx
16	10	Key Outside Retracts Latch; Key Inside Unlocks/Locks O/S Trim O/S #34 Cylinder & I/S #44 Cylinder Supplied	PE8316 x WEx	P716 WEx
40	01	No outside operation (no cylinder)	PE8340 x WEx	P740 WEx
43	08	Key outside unlocks/locks trim #41 cylinder supplied	PE8343 x WEx	P743 WEx
44	03	Night latch-key retracts latch #46 cylinder supplied	PE8344 x WEx	P744 WEx
46	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	PE8346 x WEx	P746 WEx
73	-	Electrified trim - fail safe power off, unlocks lever (no cylinder)	PE8373 x WEx	P773 WEx
74	-	Electrified trim - fail secure power off, locks lever (no cylinder)	PE8374 x WEx	P774 WEx
75	-	Electrified trim - fail safe power off, unlocks lever, key retracts latch #46 cylinder supplied	PE8375 x WEx	P775 WEx
76	-	Electrified trim - fail secure power off, locks lever, key retracts latch #46 cylinder supplied	PE8376 x WEx	P776 WEx

*Must specify finish

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PE8300 Narrow Stile
Mortise Lock Exit Device

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TRIM For trim details see page 76.

Function	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #46 cylinder supplied	PE8304 x FLL	814-FLL
10	02	No outside operation (no cylinder); Used as pull only	PE8310 x FLL	810-FLL
28	15	Passage only (no cylinder)	PE8328 x FLL	828-FLL
63	05	Key outside unlocks/locks thumbpiece #41 cylinder supplied	PE8363 x FLL	866-FLL

(FLL/FSL Pull Trim)

Function	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #46 cylinder supplied	PE8304 x FLW	814-FLW
10	02	No outside operation (no cylinder); Used as pull only	PE8310 x FLW	810-FLW
28	15	Passage only (no cylinder)	PE8328 x FLW	828-FLW
63	05	Key outside unlocks/locks thumbpiece #41 cylinder supplied	PE8363 x FLW	866-FLW

(FLW/FSW Pull Trim)

Function	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #46 cylinder supplied	PE8304 x MAL	814-MAL
10	02	No outside operation (no cylinder); Used as pull only	PE8310 x MAL	810-MAL
28	15	Passage only (no cylinder)	PE8328 x MAL	828-MAL
63	05	Key outside unlocks/locks thumbpiece #41 cylinder supplied	PE8363 x MAL	866-MAL

(MAL/MSL Pull Trim)

Function	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #46 cylinder supplied	PE8304 x PTB	814-PTB
10	02	No outside operation (no cylinder); Used as pull only	PE8310 x PTB	810-PTB
28	15	Passage only (no cylinder)	PE8328 x PTB	828-PTB
63	05	Key outside unlocks/locks thumbpiece #41 cylinder supplied	PE8363 x PTB	866-PTB

(PTB/PSB Pull Trim)

Function	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #46 cylinder supplied	PE8304 x STS	814-STS
10	02	No outside operation (no cylinder); Used as pull only	PE8310 x STS	810-STS
28	15	Passage only (no cylinder)	PE8328 x STS	828-STS
63	05	Key outside unlocks/locks thumbpiece #41 cylinder supplied	PE8363 x STS	866-STS

(STS Pull Trim)

Notes:
- Images represent the design of the backplate. Thumbpieces and cylinders are added to select functions.
- FLW trim is not available in 32 or 32D.
- Thumbpiece trims are not available in 14, 15, 26 or 26D, except FLW is available in 14 & 15.

*Must specify finish

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PE8300 Narrow Stile
Mortise Lock Exit Device

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MECHANICAL OPTIONS

	How to Specify	Detailed Description
Certifications	12-	UL fire label exit hardware (not available with 16- & HK- options)
Cylinder	LC-	Less cylinder
Dogging	16-	Cylinder lockdown with # 41 cylinder (not available with 12-, 59-, AL-, HK- options)
	LD-	Less dogging for non fire-rated devices
Door Type	31-	Doors over 1-3/4" and/or panels (specify door thickness, panel thickness & location as required)
End Cap	OL-	Overlap end cap
Fasteners	36-	Six lobe security head screws
Finish Protection	CPC-	Clear powder coat (available for 32 & 32D finishes)
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)
Indicators	18-	Passsive dogging indicator
Luminescence	PL-	SARGuide® Photoluminescent push rail – (not available with 85 & 87 options)
Strike	23-	4-7/8" (124mm) ANSI flat lip strike (908 Strike)
Tactile Warning	76-	Tactile warning - milled outside lever (not available with Studio Collection levers and the A lever)
	85-	Tactile warning - abrasive strip on push rail (not available with PL- option)
	86-	Tactile warning - abrasive coating on outside lever
	87-	Tactile warning - abrasive strip on push rail & abrasive coating on outside lever (not available with PL- option)

ELECTRICAL OPTIONS

	How to Specify	Detailed Description
Electrical Options	53-	Latchbolt monitoring switch (not available with 59- option)
	54-	Monitors ET lever movement with Internal micro switch in ET control
	55-	Request to exit - signal switch in rail (not available with 59- option)
	55-ERM-	Double touchbar monitoring
	56-	Remote latch retraction (not available 58-, 59-, AL- options)
	58-	Electric rail dogging (not available 56-, VLR & 59- options)
	59-	Electroguard® self contained delayed egress device (not available with 16-, 53-, 55-, 56-, VLR, 58-, AL-, GL-, & HK- options)
	AL-	Alarmed exit (not available 16-, 56-, VLR, 59-, 59- & GL- options)
	HK-	Electrified exit device with manual hex key dogging (also available with 56-, VLR & 58- options)
	VLR-	Latch Retraction Override (not available 58-, 59-AL, W53-, W54- & W55-)
	WR-	Include wire harness for Less Trim Devices. (Supplied standard with 59- option)

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PE8300 Narrow Stile
Mortise Lock Exit Device

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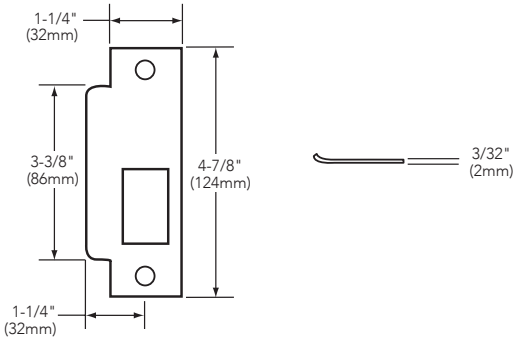
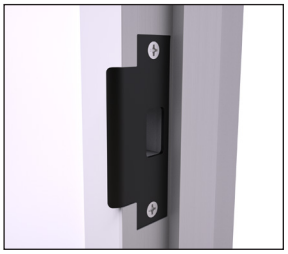
STANDARD STRIKES

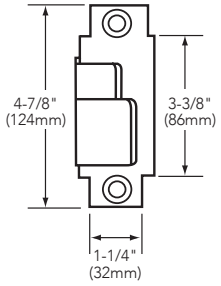
C908 STRIKE
- Curved lip ANSI A-115.1
- Supplied standard
- Handed. 1-1/4" (32mm) lip standard.
- Longer lips in increments of 1/4" (6mm) through 2-7/8" (73mm) available
- Black nylon coated
- See template #MEDT50 for more details



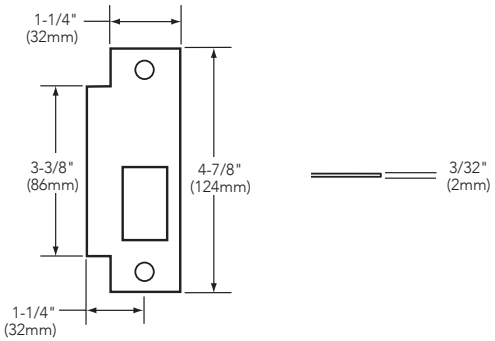


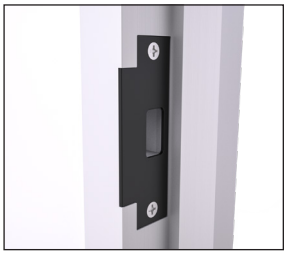
OPTIONAL STRIKES

815 OPEN BACK STRIKE
- ANSI A-115.14 Open Back
- Beveled 1/8" (3mm) in 2" (51mm)
- Specify hand of active door
- "B" label fire rating
- Black nylon coat
- See template #MEDT49 for more details



908 STRIKE (23-)
- Flat lipped
- Handed. 1-1/4" (32mm) lip standard
- Longer lips in increments of 1/4" (6mm) through 2-7/8" (73mm) available
- Black nylon coated
- See template #MEDT50 for more details





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PE8900 Wide Stile
Mortise Lock Exit Device

SPECIFICATIONS

Chassis Cover	Stainless steel, brass or bronze
Chassis	Nonferrous alloy
Door Type	Wood, metal, aluminum (Consult factory for other door type options)
Door Configuration	Single doors or double doors with Mortise/SVR configuration
Door Thickness	• 1-3/4" minimum thickness. • For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Stile	4-1/2" minimum - narrow & wide trim
Rails	Stainless steel, brass or bronze
Rail Size	• Standard - E, F, J, G (see page 73 for measurements) • Custom sizes available
Projection	2.88"
Latchbolt	Brass Nickel Plated, 3/4" throw, anti-friction
Guarded Deadlatch	Provided as standard feature
End Cap	• Flush end cap standard • Overlapping end cap optional - Specify OL-
Device Centerline	• 39-5/8" for standard applications • 38" for elementary schools
Dogging Feature	• Hex key dogging standard on non fire-rated devices • Specify 16- for cylinder dogging (#41 cylinder supplied) • Specify LD for less dogging
Indicator	Specify 18- for passive dogging indicator
Strikes	• C908 Black Nylon Coated • Optional Strikes: 815 Open Back Strike or 908 Flat Lipped Strike
Mounting Fasteners	• Wood and machine screws provided • Available with thrubolts (TB-)
Fire Ratings	See ratings and certifications table on page 7

HOW TO ORDER

Options (Cylinder/Mechanical/ Electrical)	Device Type	Function	Rail Size	Trim	Finish - Outside	Hand	Optional Strikes	Finish - Inside	Door Width
56-	PE89	10	F	WEL	26D	RHR	908	32D	36

HOW TO ORDER - DEVICE ONLY

Options (Cylinder/Mechanical/Electrical)	Device Type	Function	Rail Size	Finish	Door Width
56-	PE89	10	F	32D	36

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PE8900 Wide Stile
Mortise Lock Exit Device

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FUNCTIONS Device only.

SARGENT	ANSI	Description	Device Only
10	01	No outside operation (No Cylinder)	PE8910

FUNCTIONS/TRIM For trim details, see page 74. For lever options, see pages 78-85

(Narrow Stile ET Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #46 cylinder supplied	PE8904 x NEx	P704 NEx
06	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	PE8906 x NEx	P706 NEx
10	02	No outside operation (No Cylinder) Trim is used as Pull Only	PE8910 x NEx	P710 NEx
13	08	Key outside unlocks/locks trim #41 cylinder supplied	PE8913 x NEx	P713 NEx
15	14	Passage only (no cylinder)	PE8915 x NEx	P715 NEx
16	10	Key outside retracts latch; key inside unlocks/locks o/s trim o/s #34 cylinder & i/s #44 cylinder supplied	PE8916 X NEx	P716 NEx
40	01	No outside operation (no cylinder)	PE8940 x NEx	P740 NEx
43	08	Key outside unlocks/locks trim #41 cylinder supplied	PE8943 x NEx	P743 NEx
44	03	Night latch-key retracts latch #46 cylinder supplied	PE8944 x NEx	P744 NEx
46	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	PE8946 x NEx	P746 NEx
73	-	Electrified trim - fail safe power off, unlocks lever (no cylinder)	PE8973 x NEx	P773 NEx
74	-	Electrified trim - fail secure power off, locks lever (no cylinder)	PE8974 x NEx	P774 NEx
75	-	Electrified trim - fail safe power off, unlocks lever (#46 cylinder supplied)	PE8975 x NEx	P775 NEx
76	-	Electrified trim - fail secure power off, locks lever (#46 cylinder supplied)	PE8976 x NEx	P776 NEx

(Wide Stile ET Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #46 cylinder supplied	PE8904 x WEx	P704 WEx
06	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	PE8906 x WEx	P706 WEx
10	01	No outside operation (no cylinder) Trim is used as Pull Only	PE8910 x WEx	P710 WEx
13	08	Key outside unlocks/locks trim #41 cylinder supplied	PE8913 x WEx	P713 WEx
15	14	Passage only (no cylinder)	PE8915 x WEx	P715 WEx
16	10	Key outside retracts latch; key inside unlocks/locks o/s trim o/s #34 cyl inder & i/s #44 cylinder supplied	PE8916 X WEx	P716 WEx
40	01	No outside operation (no cylinder)	PE8940 x WEx	P740 WEx
43	08	Key outside unlocks/locks trim #41 cylinder supplied; Freewheeling trim.	PE8943 x WEx	P743 WEx
44	03	Night latch-key retracts latch #46 cylinder supplied	PE8944 x WEx	P744 WEx
46	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	PE8946 x WEx	P746 WEx
73	-	Electrified trim - fail safe power off, unlocks lever (no cylinder)	PE8973 x WEx	P773 WEx
74	-	Electrified trim - fail secure power off, locks lever (no cylinder)	PE8974 x WEx	P774 WEx
75	-	Electrified trim - fail safe power off, unlocks lever (#46 cylinder supplied)	PE8975 x WEx	P775 WEx
76	-	Electrified trim - fail secure power off, locks lever (#46 cylinder supplied)	PE8976 x WEx	P776 WEx

ANTI-VANDAL TRIM For Anti-Vandal trim details see page 77.

Anti Vandal Trim (824, 827)

SARGENT	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #46 cylinder supplied	PE8904 x 824	824
10	02	No outside operation (no cylinder); Used as pull only	PE8910 x 827	827

*Must specify finish

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PE8900 Wide Stile
Mortise Lock Exit Device

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TRIM For trim details, see page 76.

SARGENT	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #46 cylinder supplied	PE8904 x FLL	814-FLL
10	02	No outside operation (no cylinder); Used as pull only	PE8910 x FLL	810-FLL
28	15	Passage only (no cylinder)	PE8928 x FLL	828-FLL
63	05	Key outside unlocks/locks thumbpiece #34 cylinder supplied	PE8963 x FLL	866-FLL
66	07	Key outside retracts latch; key inside unlocks/locks trim; O/S #34 & I/S #44 cylinder supplied	PE8966 x FLL	866-FLL

(FLL Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #46 cylinder supplied	PE8904 x FLW	814-FLW
10	02	No outside operation (no cylinder); Used as pull only	PE8910 x FLW	810-FLW
28	15	Passage only (no cylinder)	PE8928 x FLW	828-FLW
63	05	Key outside unlocks/locks thumbpiece #34 cylinder supplied	PE8963 x FLW	866-FLW
66	07	Key outside retracts latch; key inside unlocks/locks trim; O/S #34 & I/S #44 cylinder supplied	PE8966 x FLW	866-FLW

(FLW Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #46 cylinder supplied	PE8904 x MAL	814-MAL
10	02	No outside operation (no cylinder); Used as pull only	PE8910 x MAL	810-MAL
28	15	Passage only (no cylinder)	PE8928 x MAL	828-MAL
63	05	Key outside unlocks/locks thumbpiece #34 cylinder supplied	PE8963 x MAL	866-MAL
66	07	Key outside retracts latch; key inside unlocks/locks trim; O/S #34 & I/S #44 cylinder supplied	PE8966 x MAL	866-MAL

(MAL Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #46 cylinder supplied	PE8904 x PTB	814-PTB
10	02	No outside operation (no cylinder); Used as pull only	PE8910 x PTB	810-PTB
28	15	Passage only (no cylinder)	PE8928 x PTB	828-PTB
63	05	Key outside unlocks/locks thumbpiece #34 cylinder supplied	PE8963 x PTB	866-PTB
66	07	Key outside retracts latch; key inside unlocks/locks trim; O/S #34 & I/S #44 cylinder supplied	PE8966 x PTB	866-PTB

(PTB Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
04	03	Night latch-key retracts latch #46 cylinder supplied	PE8904 x STS	814-STS
10	02	No outside operation (no cylinder); Used as pull only	PE8910 x STS	810-STS
28	15	Passage only (no cylinder)	PE8928 x STS	828-STS
63	05	Key outside unlocks/locks thumbpiece #34 cylinder supplied	PE8963 x STS	866-STS
66	07	Key outside retracts latch; key inside unlocks/locks trim; O/S #34 & I/S #44 cylinder supplied	PE8966 x STS	866-STS

(STS Pull Trim)

Notes:
- Images represent the design of the backplate. Thumbpieces and cylinders are added to select functions.
- Thumbpiece trims are not available in 14, 15, 26 or 26D, except FLW is available in 14 & 15.
- FLW trim is not available in 32 or 32D.

*Must specify finish

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PE8900 Wide Stile
Mortise Lock Exit Device

MECHANICAL OPTIONS

	How to Specify	Detailed Description
Certifications	12-	UL fire label exit hardware (not available with 16- & HK- options)
	WS	Windstorm rated
Cylinder	LC-	Less cylinder
Dogging	16-	Cylinder lockdown with # 41 cylinder (not available with 12-, 59-, AL-, HK- options)
	LD-	Less dogging for non fire-rated devices
Door Type	31-	Doors over 1-3/4" and/or panels (specify door thickness, panel thickness & location as required)
End Cap	OL-	Overlap end cap
Fasteners	36-	Six lobe security head screws
Finish Protection	CPC-	Clear powder coat (available for 32 & 32D finishes)
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)
Indicator	18-	Passive dogging indicator
Luminescence	PL-	SARGuide® Photoluminescent push rail – (not available with 85 & 87 options)
Rail Force	5CH-	5lb. Pressure Release
Strike	23-	4-7/8" (124mm) ANSI flat lip strike (908 Strike)
Tactile Warning	76-	Tactile warning - milled outside lever (not available with Studio Collection levers and the A lever)
	85-	Tactile warning - abrasive strip on push rail (not available with PL- option)
	86-	Tactile warning - abrasive coating on outside lever
	87-	Tactile warning - abrasive strip on push rail & abrasive coating on outside lever (not available with PL- option)

ELECTRICAL OPTIONS

	How to Specify	Detailed Description
Electrical Options	53-	Latchbolt monitoring switch (not available with 59-, WS- options)
	54-	Monitors ET lever movement with Internal micro switch in ET control
	55-	Request to exit - signal switch in rail (not available with 59- option)
	55-ERM-	Double touchbar monitoring
	56-	Remote latch retraction (not available 58-, 59-, AL- options)
	58-	Electric rail dogging (not available 56-, VLR & 59- options)
	59-	Electroguard® self contained delayed egress device (not available with 16-, 53-, 55-, 56-, 5CH-, VLR, 58-, AL-, HK- & WS- options)
	AL-	Alarmed exit (Not available 16-, 56-, VLR, 59-, WS- options)
	HK-	Electrified exit device with manual hex key dogging (also available with 56-, VLR option)
	VLR-	Latch Retraction Override (not available 58-, 59-AL, W53-, W54- & W55-)
	WR-	Include wire harness for Less Trim Devices. (Supplied standard with 59- option)

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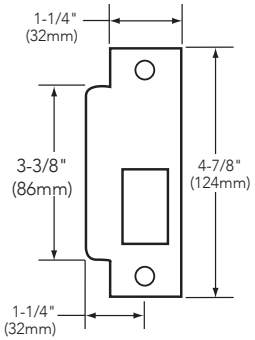
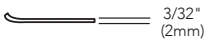
PE8900 Wide Stile
Mortise Lock Exit Device

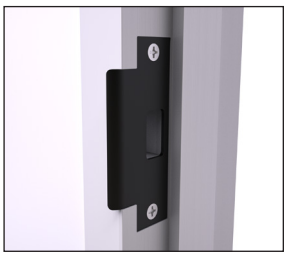
SARGENT
ASSA ABLOY

STANDARD STRIKES

C908 STRIKE
- Curved lip ANSI A-115.1
- Supplied standard
- Handed. 1-1/4" (32mm) lip standard
- Longer lips in increments of 1/4" (6mm) through 2-7/8" (73mm) available
- Black nylon coated
- See template #MEDT50 for more details

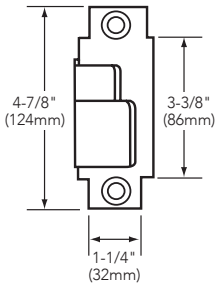




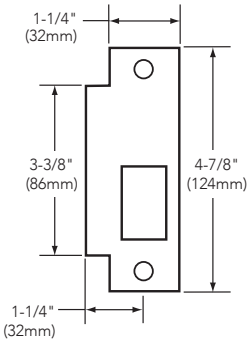


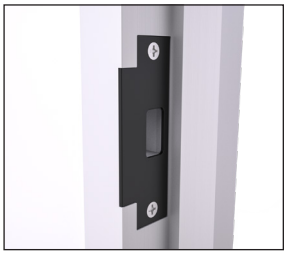
OPTIONAL STRIKES

815 OPEN BACK STRIKE
- ANSI A-115.14 Open Back
- Beveled 1/8" (3mm) in 2" (51mm)
- Specify hand of active door
- Black nylon coat
- See template #MEDT49 for more details



908 STRIKE (23-)
- Flat lipped
- Handed. 1-1/4" (32mm) lip standard
- Longer lips in increments of 1/4" (6mm) through 2-7/8" (73mm) available
- Black nylon coated
- See template #MEDT50 for more details





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PE8700 Wide Stile
Surface Vertical Rod Exit Device

SPECIFICATIONS

Chassis Cover	Stainless steel, brass or bronze
Chassis	Nonferrous alloy
Door Type	Metal and wood doors
Door Configuration	Single or double doors
Door/Opening Height	Must be specified • 120" maximum door opening for nonfire-rated doors • 96" maximum door opening for fire rated doors
Door Thickness	• 1-3/4"minimum thickness. • For doors over 1-3/4" to 5" thick, specify thickness and order as 31- (see page 100 for function limitation)
Stile	• 4-1/2" minimum - narrow & wide trim • 3-1/2" minimum - without trim
Rails	Stainless steel, brass or bronze
Rail Size	• Standard - E, F, J, G (see page 73 for measurements) • Custom sizes available
Projection	2.88"
End Cap	• Flush end cap standard • Overlapping end cap optional - Specify OL-
Latching	• Panic rated devices - pullman latch • Fire rated devices: Top latch - pullman, Bottom latch - dropdown • Available as Top latch only (NB-) - see page 38
Rods	• 1/2" brass, bronze or stainless steel • Adjusted at center case
Device Centerline	• 39-5/8" for standard applications • 38" for elementary schools
Dogging Feature	• Hex key dogging standard on non fire-rated devices (excludes electirifed exit devices) • Specify 16- for cylinder dogging (#41 cylinder supplied) • Specify LD for less dogging
Indicator	Specify 18- for passive dogging indicator
Strikes	• 646 Top Strike (Panic and Fire-rated) • 624 Bottom Strike; 655 Fire-rated Bottom Strike
Mounting Fasteners	• Wood and machine screws provided • Available with thrubolts (TB-)
Fire Ratings	See ratings and certifications table on page 7

HOW TO ORDER

Options (Cylinder/Mechanical/ Electrical)	Device Type	Function	Rail Size	Trim	Finish - Outside	Hand	Optional Strikes	Finish - Inside	Door Width	Opening Height	AFF
56-	PE87	10	F	WEL	15	RHR	655	32D	36	Specify	Specify

HOW TO ORDER - DEVICE ONLY

Options (Cylinder/Mechanical/Electrical)	Device Type	Function	Rail Size	Finish	Door Width
56-	PE87	10	F	32D	36

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PE8700 Wide Stile
Surface Vertical Rod Exit Device

FUNCTIONS Device only,

SARGENT	ANSI	Description	Device Only
10	01	No outside operation (No Cylinder)	PE8710

FUNCTIONS/TRIM For trim details, see page 74. For lever options, see pages 78-85.

(Narrow Stile ET Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
06	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	PE8704 x NEx	P706 NEx
10	02	No outside operation (no cylinder); Trim is used as pull only	PE8710 x NEx	P710 NEx
13	08	Key outside unlocks/locks trim #41 cylinder supplied	PE8713 x NEx	P713 NEx
15	14	Passage only (no cylinder)	PE8715 x NEx	P715 NEx
40	02	Freewheeling trim - no outside operation (no cylinder) dummy trim	PE8740 x NEx	P740 NEx
43	08	Freewheeling trim - key outside unlocks/locks trim #41 cylinder supplied	PE8743 x NEx	P743 NEx
46	09	Freewheeling trim - key unlocks trim, trim retracts latch/ trim relocks when key is removed #41 cylinder supplied	PE8746 x NEx	P746 NEx
73*	–	Electrified lever trim - fail safe power off, unlocks lever (no cylinder)	PE8773 x NEx	P773 NEx
74*	–	Electrified lever trim - fail secure power off, locks lever (no cylinder)	PE8774 x NEx	P774 NEx

(Wide Stile ET Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
06	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	PE8704 x WEx	P706 WEx
10	02	No outside operation (no cylinder); Trim is used as pull only	PE8710 x WEx	P710 WEx
13	08	Key outside unlocks/locks trim #41 cylinder supplied	PE8713 x WEx	P713 WEx
15	14	Passage only (no cylinder)	PE8715 x WEx	P715 WEx
40	02	Freewheeling trim - no outside operation (no cylinder) dummy trim	PE8740 x WEx	P740 WEx
43	08	Freewheeling trim - key outside unlocks/locks trim #41 cylinder supplied	PE8743 x WEx	P743 WEx
46	09	Freewheeling trim - key unlocks trim, trim retracts latch/ trim relocks when key is removed #41 cylinder supplied	PE8746 x WEx	P746 WEx
73	–	Electrified lever trim - fail safe power off, unlocks lever (no cylinder)	PE8773 x WEx	P773 WEx
74	–	Electrified lever trim - fail secure power off, locks lever (no cylinder)	PE8774 x WEx	P774 WEx

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*Must specify finish

PE8700 Wide Stile
Surface Vertical Rod Exit Device

TRIM AND AUXILIARY CONTROL For trim details see page 75-76.

(Auxiliary Control)

(Inside Rod Actuator)

SARGENT	ANSI	Description	With Device	Trim Only*
06	12	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	PE8710 x P306	P306
13	11	Key outside unlocks/locks trim #41 cylinder supplied	PE8710 x P313	P313
73*	–	Electrified lever trim - fail safe power off, unlocks lever (no cylinder)	PE8773 x P306*	P306*
74*	–	Electrified lever trim - fail secure power off, locks lever (no cylinder)	PE8774 x P306*	P306*

*Also available with P313

*See auxiliary lock control section for more details

* Must specify finish

(862, 863, 864 Pull)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder)	PE8710 x 86x	86x

Pulls are not available in 14, 15, 26 or 26D

* Must specify finish

ANTI-VANDAL TRIM For Anti-Vandal trim details see page 77.

Anti Vandal Trim (826)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	PE8710 x 821	821

* Must specify finish

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PE8700 Wide Stile
Surface Vertical Rod Exit Device

SARGENT
ASSA ABLOY

TRIM AND AUXILIARY CONTROL For trim details see page 75.

(FLL Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	PE8710 x FLL	810-FLL
28	15	Passage only (no cylinder)	PE8728 x FLL	828-FLL
62	06	Key unlocks thumbpiece, thumbpiece retracts latch/ thumbpiece relocks when key is removed #34 cylinder supplied	PE8762 x FLL	866-FLL
63	05	Key outside unlocks/locks thumbpiece #34 cylinder supplied	PE8763 x FLL	866-FLL

(FLW Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	PE8710 x FLW	810-FLW
28	15	Passage only (no cylinder)	PE8728 x FLW	828-FLW
62	06	Key unlocks thumbpiece, thumbpiece retracts latch/ thumbpiece relocks when key is removed #34 cylinder supplied	PE8762 x FLW	866-FLW
63	05	Key outside unlocks/locks thumbpiece #34 cylinder supplied	PE8763 x FLW	866-FLW

(MAL Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	PE8710 x MAL	810-MAL
28	15	Passage only (no cylinder)	PE8728 x MAL	828-MAL
62	06	Key unlocks thumbpiece, thumbpiece retracts latch/ thumbpiece relocks when key is removed #34 cylinder supplied	PE8762 x MAL	866-MAL
63	05	Key outside unlocks/locks thumbpiece #34 cylinder supplied	PE8763 x MAL	866-MAL

(PTB Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	PE8710 x PTB	810-PTB
28	15	Passage only (no cylinder)	PE8728 x PTB	866-PTB
62	06	Key unlocks thumbpiece, thumbpiece retracts latch/ thumbpiece relocks when key is removed #34 cylinder supplied	PE8762 x PTB	866-PTB
63	05	Key outside unlocks/locks thumbpiece #34 cylinder supplied	PE8763 x PTB	866-PTB

(STS Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	PE8710 x STS	810-STS
28	15	Passage only (no cylinder)	PE8728 x STS	828-STS
62	06	Key unlocks thumbpiece, thumbpiece retracts latch/ thumbpiece relocks when key is removed #34 cylinder supplied	PE8762 x STS	866-STS
63	05	Key outside unlocks/locks thumbpiece #34 cylinder supplied	PE8763 x STS	866-STS

Notes:
- Images represent the design of the backplate. Thumbpieces and cylinders are added to select functions.
- FLW trim is not available in 32 or 32D.
- Thumbpiece trims are not available in 14, 15, 26 or 26D, except FLW is available in 14 & 15.

*Must specify finish

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PE8700 Wide Stile
Surface Vertical Rod Exit Device

SARGENT
ASSA ABLOY

MECHANICAL & ELECTRICAL OPTIONS

	How to Specify	Detailed Description
Certifications	12-	UL fire label exit hardware (not available with 16-, 18- & HK- options)
Cylinder	LC-	Less cylinder
Dogging	16-	Cylinder lockdown with # 41 cylinder (not available with 12-, 59-, AL-, HK- options)
	LD-	Less dogging for non fire-rated devices
Door Type	31-	Doors over 1-3/4" and/or panels (specify door thickness, panel thickness & location as required) not available for HC-PE8700, HC4-PE8700, and FM-PE8700
End Cap	OL-	Overlap end cap (device comes standard with flush end cap)
Fasteners	36-	Six lobe security head screws
	TB-	Thrubolts
Finish Protection	CPC-	Clear powder coat (available for 32 & 32D finishes)
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)
Indicator	18-	Passive dogging indicator
Latching	14-	Dropdown bottom latchbolt (non-fire rated)
Luminescence	PL-	SARGuide® photoluminescent push rail – (not available 85 & 87 options)
Rail Force	5CH-	5lb. Pressure Release (Maximum opening height 7ft)
Tactile Warning	76-	Tactile warning - milled outside lever (not available with Studio Collection levers and the A lever)
	85-	Tactile warning - abrasive strip on push rail (not available with PL- option)
	86-	Tactile warning - abrasive coating on outside lever
	87-	Tactile warning - abrasive strip on push rail & abrasive coating on outside lever (not available with PL- option)

ELECTRICAL OPTIONS

	How to Specify	Detailed Description
Electrical Options	53-	Latchbolt monitoring switch (not available with 59- option)
	54-	Monitors ET lever movement with Internal micro switch in ET control
	55-	Request to exit - signal switch in rail (not available with 59- option)
	55-ERM-	Double touchbar monitoring
	56-	Remote latch retraction (not available 58-, 59-, AL- options)
	58-	Electric rail dogging (not available 56-, VLR & 59- options)
	59-	Electroguard® self contained delayed egress device (not available with 16-, 53-, 55-, 56-, 5CH-, VLR, 58-, 59-, AL-, & GL- options. 54- available upon request)
	AL-	Alarmed exit (Not available 16-, 56-, VLR, 59- options)
	HK-	Electrified exit device manual hex key dogging (also available with 56-, VLR & 58- options)
	VLR-	Latch Retraction Override (not available 58-, 59-AL, W53-, W54- & W55-)
	WR-	Include wire harness for Less Trim Devices. (Supplied standard with 59- option)

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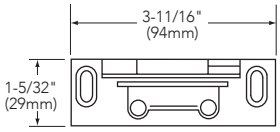
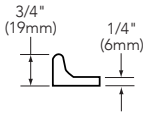
PE8700 Wide Stile
Surface Vertical Rod Exit Device

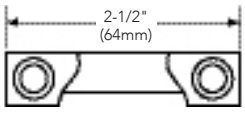
STANDARD STRIKES

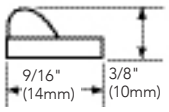
646 TOP STRIKE
- Standard for both Panic and Fire (12-) Hardware
- Surface applied to frame
- Fire-rated
- Black nylon coated
- See template #MEDT25 for more details

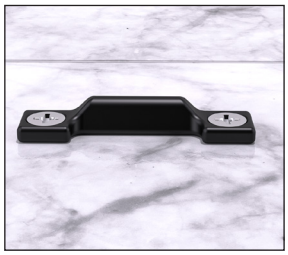




624 BOTTOM STRIKE
- Applied to surface of floor or to a flat threshold
- Black nylon coated
- See template #MEDT25 for more details

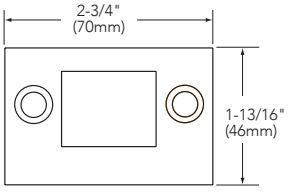


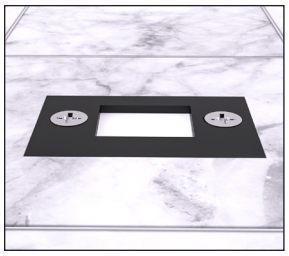




OPTIONAL STRIKES

655 BOTTOM STRIKE
- Fire rated
- Stainless steel
- Black nylon coated
- See template #MEDT25 for more details





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NB-PE8700 Wide Stile
Surface Vertical Rod Exit Device

SPECIFICATIONS

Chassis Cover	Stainless steel, brass or bronze
Chassis	Nonferrous alloy
Door Type	Metal and wood doors
Door Configuration	Single or double doors
Door/Opening Height	Must be specified • 120" maximum door opening
Door Thickness	• 1-3/4" minimum thickness • For doors over 1-3/4" to 5" thick, specify thickness and order as 31- (see page 100 for function limitation)
Stile	• 4-1/2" minimum - narrow & wide trim • 3-1/2" minimum - without trim
Rails	Stainless steel, brass or bronze
Rail Size	• Standard - E, F, J, G (see page 73 for measurements) • Custom sizes available
Projection	2.88"
Latching	Top latch only (NB-): pullman
End Cap	• Flush end cap standard • Overlapping end cap optional - Specify OL-
Rods	• Less Bottom Rod (NB) • 1/2" brass, bronze or stainless steel • Adjusted at center case
Device Centerline	• 39-5/8" for standard applications • 38" for elementary schools
Dogging Feature	• Hex key dogging standard on non fire-rated devices • Specify 16- for cylinder dogging (#41 cylinder supplied) • Specify LD for less dogging
Indicator	Specify 18- for passive dogging indicator
Strikes	646 Top Strike (Panic and Fire-rated)
Mounting Fasteners	• Wood and machine screws provided • Available with thrubolts (TB-)
Fire Ratings	• See ratings and certifications table on page 7 • 12-NB applications require 683 thermal pin kit. Thermal pin supplied when ordered as a 12-NB device.

HOW TO ORDER

Options (Cylinder/ Mechanical/Electrical)	Device Type	Function	Rail Size	Trim	Finish - Outside	Hand	Optional Strikes	Finish - Inside	Door Width	AFF
56-	NB-PE87	10	F	WEL	15	RHR	32D	36	Specify	Specify

HOW TO ORDER - DEVICE ONLY

Options (Cylinder/Mechanical/Electrical)	Device Type	Function	Rail Size	Finish	Door Width
56-	NB-PE87	10	F	32D	36

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NB-PE8700 Wide Stile
Surface Vertical Rod Exit Device

SARGENT
ASSA ABLOY

FUNCTIONS Device only.

SARGENT	ANSI	Description	Device Only
10	01	No outside operation (No Cylinder)	NB-PE8710

FUNCTIONS/TRIM For trim details, see page 74. For lever options, see pages 78-85.

(Narrow Stile ET Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
06	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	NB-PE8704 x NEx	P706-8 NEx
10	02	No outside operation (no cylinder); Trim used as pull only	NB-PE8710 x NEx	P710 NEx
13	08	Key outside unlocks/locks trim #41 cylinder supplied	NB-PE8713 x NEx	P713 NEx
15	14	Passage only (no cylinder)	NB-PE8715 x NEx	P715 NEx
40	02	Freewheeling trim - no outside operation (no cylinder) dummy trim	NB-PE8740 x NEx	P740 NEx
43	08	Freewheeling trim - key outside unlocks/locks trim #41 cylinder supplied	NB-PE8743 x NEx	P743 NEx
46	09	Freewheeling trim - key unlocks trim, trim retracts latch/ trim relocks when key is removed #41 cylinder supplied	NB-PE8746 x NEx	P746 NEx
73	–	Electrified lever trim - fail safe power off, unlocks lever (no cylinder)	NB-PE8773 x NEx	P773 NEx
74	–	Electrified lever trim - fail secure power off, locks lever (no cylinder)	NB-PE8774 x NEx	P774 NEx

(Wide Stile ET Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
06	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	NB-PE8704 x WEx	P706-8 WEx
10	02	No outside operation (no cylinder); Trim used as pull only	NB-PE8710 x WEx	P710 WEx
13	08	Key outside unlocks/locks trim #41 cylinder supplied	NB-PE8713 x WEx	P713-8 WEx
15	14	Passage only (no cylinder)	NB-PE8715 x WEx	P715-8 WEx
40	02	Freewheeling trim - no outside operation (no cylinder) dummy trim	NB-PE8740 x WEx	P740 WEx
43	08	Freewheeling trim - key outside unlocks/locks trim #41 cylinder supplied	NB-PE8743 x WEx	P743-8 WEx
46	09	Freewheeling trim - key unlocks trim, trim retracts latch/ trim relocks when key is removed #41 cylinder supplied	NB-PE8746 x WEx	P746-8 WEx
73	–	Electrified lever trim - fail safe power off, unlocks lever (no cylinder)	NB-PE8773 x WEx	P773-8 WEx
74	–	Electrified lever trim - fail secure power off, locks lever (no cylinder)	NB-PE8774 x WEx	P774-8 WEx

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*Must specify finish

NB-PE8700 Wide Stile
Surface Vertical Rod Exit Device

TRIM AND AUXILIARY CONTROL For trim details see pages 75-76.

(Auxiliary Control)

(Inside Rod Actuator)

SARGENT	ANSI	Description	With Device	Trim Only*
06	12	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	NB-PE8710 x P306	P306
13	11	Key outside unlocks/locks trim #41 cylinder supplied	NB-PE8710 x P313	P313
73*	–	Electrified lever trim - fail safe power off, unlocks lever (no cylinder)	NB-PE8773 x P306**	P306**
74*	–	Electrified lever trim - fail secure power off, locks lever (no cylinder)	NB-PE8774 x P306**	P306**

*Must specify finish
**Also available with P313

(862, 863, 864 Pull)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder)	NB-PE8710 x 86x	86x

Pulls are not available in 14, 15, 26 or 26D

ANTI-VANDAL TRIM For Anti-Vandal trim details see page 77.

Anti Vandal Trim
(821)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	NB-PE8710 x 821	821

*Must specify finish

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NB-PE8700 Wide Stile
Surface Vertical Rod Exit Device

SARGENT
ASSA ABLOY

TRIM AND AUXILIARY CONTROL For trim details see page 76.

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	PE8710 x FLL	810-FLL
28	15	Passage only (no cylinder)	PE8728 x FLL	828-FLL
62	06	Key unlocks thumbpiece, thumbpiece retracts latch/ thumbpiece relocks when key is removed #34 cylinder supplied	PE8762 x FLL	866-FLL
63	05	Key outside unlocks/locks thumbpiece #34 cylinder supplied	PE8763 x FLL	866-FLL

(FLL Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	PE8710 x FLW	810-FLW
28	15	Passage only (no cylinder)	PE8728 x FLW	828-FLW
62	06	Key unlocks thumbpiece, thumbpiece retracts latch/ thumbpiece relocks when key is removed #34 cylinder supplied	PE8762 x FLW	866-FLW
63	05	Key outside unlocks/locks thumbpiece #34 cylinder supplied	PE8763 x FLW	866-FLW

(FLW Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	PE8710 x MAL	810-MAL
28	15	Passage only (no cylinder)	PE8728 x MAL	828-MAL
62	06	Key unlocks thumbpiece, thumbpiece retracts latch/ thumbpiece relocks when key is removed #34 cylinder supplied	PE8762 x MAL	866-MAL
63	05	Key outside unlocks/locks thumbpiece #34 cylinder supplied	PE8763 x MAL	866-MAL

(MAL Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	PE8710 x PTB	810-PTB
28	15	Passage only (no cylinder)	PE8728 x PTB	866-PTB
62	06	Key unlocks thumbpiece, thumbpiece retracts latch/ thumbpiece relocks when key is removed #34 cylinder supplied	PE8762 x PTB	866-PTB
63	05	Key outside unlocks/locks thumbpiece #34 cylinder supplied	PE8763 x PTB	866-PTB

(PTB Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	PE8710 x STS	810-STS
28	15	Passage only (no cylinder)	PE8728 x STS	828-STS
62	06	Key unlocks thumbpiece, thumbpiece retracts latch/ thumbpiece relocks when key is removed #34 cylinder supplied	PE8762 x STS	866-STS
63	05	Key outside unlocks/locks thumbpiece #34 cylinder supplied	PE8763 x STS	866-STS

(STS Pull Trim)

Notes:
- Images represent the design of the backplate. Thumbpieces and cylinders are added to select functions.
- FLW trim is not available in 32 or 32D.
- Thumbpiece trims are not available in 14, 15, 26 or 26D, except FLW is available in 14 & 15.

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NB-PE8700 Wide Stile
Surface Vertical Rod Exit Device

MECHANICAL & ELECTRICAL OPTIONS

	How to Specify	
Certifications	12-	UL fire label exit hardware (not available with 16- & HK- options)
Cylinder	LC-	Less cylinder
Dogging	16-	Cylinder lockdown with # 41 cylinder (not available with 12-, 59-, AL-, HK- options)
	LD-	Less dogging for non fire-rated devices
Door Type	31-	Doors over 1-3/4" and/or panels (specify door thickness, panel thickness & location as required)
End Cap	OL-	Overlap end cap
Fasteners	36-	Six lobe security head screws
	TB-	Thrubolts
Finish Protection	CPC-	Clear powder coat (available for 32 & 32D finishes)
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)
Indicator	18-	Passive dogging indicator
Luminescence	PL-	SARGuide® photoluminescent push rail (not available with 85 & 87 options)
Rail Force	5CH-	5lb. Pressure Release (Maximum opening height 7ft)
Tactile Warning	76-	Tactile warning - milled outside lever (not available with Studio Collection levers and the A lever)
	85-	Tactile warning - abrasive strip on push rail (not available with PL- option)
	86-	Tactile warning - abrasive coating on outside lever
	87-	Tactile warning - abrasive strip on push rail & abrasive coating on outside lever (not available with PL- option)

ELECTRICAL OPTIONS

	How to Specify	Detailed Description
Electrical Options	53-	Latchbolt monitoring switch (not available with 59- option)
	54-	Monitors ET lever movement with Internal micro switch in ET control
	55-	Request to exit - signal switch in rail (not available with 59- option)
	55-ERM-	Double touchbar monitoring
	56-	Remote latch retraction (not available 58-, 59-, AL- Option)
	58-	Electric rail dogging (not available 56-, VLR & 59- options)
	59-	Electroguard® self contained delayed egress device (not available with 16-, 53-, 55-, 56-, 5CH-, VLR, 58-AL-, & HK- options. 54- is available upon request)
	AL-	Alarmed exit (Not available 16-, 56-, VLR, 59-)
	HK-	Electrified exit device with manual hex key dogging (with 12-, 56-, VLR, 58- options)
	VLR-	Latch Retraction Override (not available 58-, 59-AL, W53-, W54- & W55-)
	WR-	Include wire harness for Less Trim Devices. (Supplied standard with 59- option)

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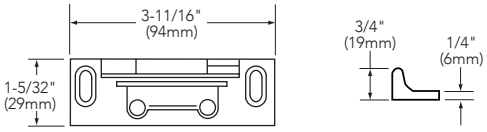
NB-PE8700 Wide Stile
Surface Vertical Rod Exit Device

STANDARD STRIKE

646 TOP STRIKE

- Standard for both Panic and Fire (12-) Hardware
- Surface applied to frame
- Fire-rated
- Black nylon coated
- See template #MEDT25 for more details



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SARGENT
ASSA ABLOY

FM-PE8700 Wide Stile
Surface Vertical Rod Exit Device

SPECIFICATIONS

Chassis Cover	Stainless steel, brass or bronze
Chassis	Nonferrous alloy
Door Type	Ceco Door and CURRIES StormPro® Series doors
Door Configuration	Single or double doors
Door/Opening Height	Must be specified • 96" maximum door opening
Door Thickness	1-3/4" only
Stile	• 4-1/2" (114mm) minimum - narrow & wide trim • 3-1/2" (44mm) minimum - without trim
Rails	Stainless stell, brass or bronze
Rail Size	• Standard - F, J, G (see page 73 for measurements) • Custom sizes available
Projection	2.88"
Latching	Top latch: dropdown bolt Bottom latch: dropdown
End Cap	• Flush end cap standard • Overlapping end cap optional - Specify OL-
Rods	• 1/2" brass, bronze or stainless steel • Adjusted at center case
Device Centerline	• 39-5/8" standard applications
Dogging Feature	• Hex key dogging standard on non fire-rated mechanical devices • Specify LD for less dogging
Indicator	Specify 18- for passive dogging indicator
Strikes	• 659 Top Strike • 653 Bottom Strike • Optional Strike: 655 Fire-rated Bottom Strike
Mounting Fasteners	• Machine screws provided • Available with thrubolts (TB-)
Frames	Ceco Door and CURRIES StormPro® Series Door Assemblies
Hinges	• McKinney SP3386/SP3786 StormPro® Tornado Resistant Butt Hinges • McKinney MCK-HG305 Continuous Hinges • Markar HG305 Continuous Hinges
Shim Kit	• P569-1 Shim Kit furnished standard • Specify P569-2 for use with overlapping end caps (OL-)
Fire Ratings	• See ratings and certifications table on page 7
Windstorm Ratings	Tornado rated (FM-) see ratings and certifications table on page 8

HOW TO ORDER

Options (Cylinder/ Mechanical/Electrical)	Device Type	Function	Rail Size	Trim	Finish - Outside	Hand	Finish - Inside	Door Width	Opening Height	AFF
56-	FM-PE87	10	F	WEL	15	RHR	32D	36	Specify	Specify

HOW TO ORDER - DEVICE ONLY

Options (Cylinder/Mechanical/Electrical)	Device Type	Function	Rail Size	Finish	Door Width
56-	FM-PE87	10	F	32D	36

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FM-PE8700 Wide Stile
Surface Vertical Rod Exit Device

FUNCTIONS Device only.

SARGENT	ANSI	Description	Device Only
10	01	No outside operation (No Cylinder)	FM-PE8710

FUNCTIONS/TRIM For trim details, see page 74. For lever options, see pages 78-85.

(Narrow Stile ET Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
06	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	FM-PE8704 x NEx	P706 NEx
10	02	No outside operation (no cylinder); Trim used as pull only	FM-PE8710 x NEx	P710 NEx
13	08	Key outside unlocks/locks trim; #41 cylinder supplied	FM-PE8713 x NEx	P713 NEx
40	02	Freewheeling trim - no outside operation (no cylinder) dummy trim	FM-PE8740 x NEx	P740 NEx
46	09	Freewheeling trim - key unlocks trim, trim retracts latch/ trim relocks when key is removed #41 cylinder supplied	FM-PE8746 x NEx	P746 NEx
74	–	Electrified lever trim - fail secure power off, locks lever (no cylinder)	FM-PE8774 x NEx	P774 NEx

(Wide Stile ET Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
06	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	FM-PE8704 x WEx	P706 WEx
10	02	No outside operation (no cylinder); Trim used as pull only	FM-PE8710 x WEx	P710 WEx
13	08	Key outside unlocks/locks trim; #41 cylinder supplied	FM-PE8713 x WEx	P713 WEx
40	02	Freewheeling trim - no outside operation (no cylinder) dummy trim	FM-PE8740 x WEx	P740 WEx
46	09	Freewheeling trim - key unlocks trim, trim retracts latch/ trim relocks when key is removed #41 cylinder supplied	FM-PE8746 x WEx	P746 WEx
74	–	Electrified lever trim - fail secure power off, locks lever (no cylinder)	FM-PE8774 x WEx	P774 WEx

* Must specify finish

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FM-PE8700 Wide Stile
Surface Vertical Rod Exit Device

TRIM AND AUXILIARY CONTROL For trim details see pages 75-76.

(Auxiliary Control)

(Inside Rod Actuator)

SARGENT	ANSI	Description	With Device	Trim Only*
06	12	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	FM-PE8710 x P306	P306
74*	–	Electrified lever trim - fail secure power off, locks lever (no cylinder)	FM-PE8774 x P306**	P306**

(862, 863, 864 Pull)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder)	FM-PE8710 x 86x	86x

ANTI-VANDAL TRIM For Anti-Vandal trim details see page 77.

Anti Vandal Trim
(826)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	FM-PE8710 x 826	826

Note:
- Thumbpiece trims are not available in 14, 15, 26 or 26D.

* Must specify finish
**Also available with P313

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FM-PE8700 Wide Stile
Surface Vertical Rod Exit Device

MECHANICAL & ELECTRICAL OPTIONS

	How to Specify	Detailed Description
Certifications	12-	UL fire label exit hardware (not available with HK- option)
Cylinder	LC-	Less cylinder
Dogging	LD-	Less dogging for non fire-rated devices
End Cap	OL-	Overlap end cap
Fasteners	36-	Six lobe security head screws
Finish Protection	CPC-	Clear powder coat only (available for 32 & 32D finishes - available as special only)
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)
Indicator	18-	Passive dogging indicator
Luminescence	PL-	SARGuide® photoluminescent push rail (not available with 85 & 87 options)
Tactile Warning	76-	Tactile warning - milled outside lever (not available with Studio Collection levers and the A lever)
	85-	Tactile warning - abrasive strip on push rail (not available with PL- option)
	86-	Tactile warning - abrasive coating on outside lever
	87-	Tactile warning - abrasive strip on push rail & abrasive coating on outside lever (not available with PL- option)

ELECTRICAL OPTIONS

	How to Specify	Detailed Description
Electrical Options	53-	Latchbolt monitoring switch
	54-	Monitors ET lever movement with Internal micro switch in ET control
	55-	Request to exit - signal switch in rail
	55-ERM-	Double touchbar monitoring
	56-	Remote latch retraction
	HK-	Electrified exit device with manual hex key dogging (also available with 56- option)
	WR-	Include wire harness for Less Trim Devices.

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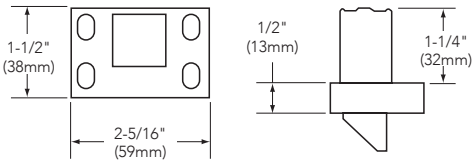
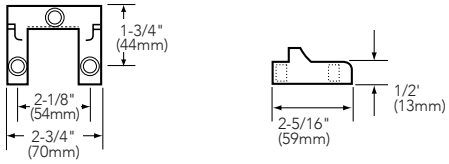
FM-PE8700 Wide Stile
Surface Vertical Rod Exit Device

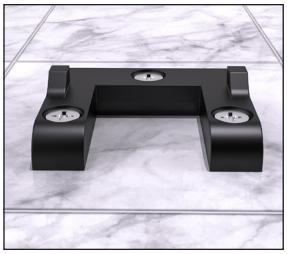
STANDARD STRIKES

659 Top Strike
- Supplied standard
- Latch drops down from door frame
- Latchbolt nylon coated
- Stainless steel
- See template #MEDT26 for more details



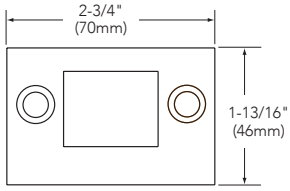
653 Bottom Strike
- Supplied standard
- Panic and Fire-Rated
- Black nylon coated
- See template #MEDT26 for more details

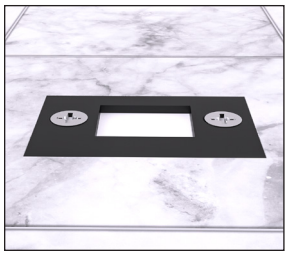




OPTIONAL STRIKES

655 Bottom Strike
- Fire rated
- Stainless steel
- Black nylon coated
- See template #MEDT25 for more details





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SARGENT
ASSA ABLOY

HC-PE8700 Wide Stile
Surface Vertical Rod Exit Device

SPECIFICATIONS

Chassis Cover	Stainless steel, brass or bronze
Chassis	Nonferrous alloy
Door Type	CURRIES 16 gauge, 747 flush, S edge doors
Door Configuration	Single or double doors
Door/Opening Height	Must be specified • 96" maximum door opening
Door Thickness	1-3/4" only
Stile	• 4-1/2" minimum - narrow & wide trim • 3-1/2" minimum - without trim
Rails	Stainless stell, brass or bronze
Rail Size	• Standard - E, F, J, G (see page 73 for measurements) • Custom sizes available
Projection	2.88"
Latching	Top latch - dropdown bolt; Bottom latch - dropdown
End Cap	• Flush end cap standard • Overlapping end cap optional - Specify OL-
Rods	• 1/2" brass, bronze or stainless steel • Adjusted at center case
Device Centerline	• 39-5/8" standard applications
Dogging Feature	• Hex key dogging standard on non fire-rated mechanical devices • Specify LD for less dogging • Specify 16- for cylinder lockdown
Indicator	Specify 18- for passive dogging indicator
Strikes	• 654 Top Strike • 655 Bottom Strike
Mounting Fasteners	• Machine screws provided • Available with thrubolts (TB-)
Frames	CURRIES 16 gauge KD, Pipe spacer anchors only, 12 gauge full sleeve reinforcing and existing opening anchor in head of frame
Hinges	McKinney TA2714 or T2714
Fire Ratings	See ratings and certifications table on page 7
Hurricane Ratings	Hurricane Rated (HC) see ratings and certifications table on page 8

HOW TO ORDER

Options (Cylinder/ Mechanical/Electrical)	Device Type	Function	Rail Size	Trim	Finish - Outside	Hand	Finish - Inside	Door Width	Opening Height	AFF
56-	HC-PE87	10	F	WEL	15	RHR	32D	36	Specify	Specify

HOW TO ORDER - DEVICE ONLY

Options (Cylinder/Mechanical/Electrical)	Device Type	Function	Rail Size	Finish	Door Width
56-	HC-PE87	10	F	32D	36

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HC-PE8700 Wide Stile
Surface Vertical Rod Exit Device

SARGENT
ASSA ABLOY

FUNCTIONS Device only.

SARGENT	ANSI	Description	Device Only
10	01	No outside operation (No Cylinder)	HC-PE8710

FUNCTIONS/TRIM For trim details, see page 74. For lever options, see pages 78-85.

(Narrow Stile ET Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
06	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	HC-PE8706 x NEx	P706 NEx
10	02	No outside operation (no cylinder); Trim used as pull only	HC-PE8710 x NEx	P710 NEx
13	08	Key outside unlocks/locks trim #41 cylinder supplied	HC-PE8713 x NEx	P713 NEx
15	14	Passage only (no cylinder)	HC-PE8715 x NEx	P715 NEx
40	02	Freewheeling trim - no outside operation (no cylinder) dummy trim	HC-PE8740 x NEx	P740 NEx
43	08	Freewheeling trim - key outside unlocks/locks trim #41 cylinder supplied	HC-PE8743 x NEx	P743 NEx
46	09	Freewheeling trim - key unlocks trim, trim retracts latch/ trim relocks when key is removed #41 cylinder supplied	HC-PE8746 x NEx	P746 NEx
73	–	Electrified lever trim - fail safe power off, unlocks lever (no cylinder)	HC-PE8773 x NEx	P773 NEx
74	–	Electrified lever trim - fail secure power off, locks lever (no cylinder)	HC-PE8774 x NEx	P774 NEx

(Wide Stile ET Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
06	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	HC-PE8706 x WEx	P706 WEx
10	02	No outside operation (no cylinder); Trim used as pull only	HC-PE8710 x WEx	P710 WEx
13	08	Key outside unlocks/locks trim #41 cylinder supplied	HC-PE8713 x WEx	P713 WEx
15	14	Passage only (no cylinder)	HC-PE8715 x WEx	P715 WEx
40	02	Freewheeling trim - no outside operation (no cylinder) dummy trim	HC-PE8740 x WEx	P740 WEx
43	08	Freewheeling trim - key outside unlocks/locks trim #41 cylinder supplied	HC-PE8743 x WEx	P743 WEx
46	09	Freewheeling trim - key unlocks trim, trim retracts latch/ trim relocks when key is removed #41 cylinder supplied	HC-PE8746 x WEx	P746 WEx
73	–	Electrified lever trim - fail safe power off, unlocks lever (no cylinder)	HC-PE8773 x WEx	P773 WEx
74	–	Electrified lever trim - fail secure power off, locks lever (no cylinder)	HC-PE8774 x WEx	P774 WEx

*Must specify finish

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HC-PE8700 Wide Stile
Surface Vertical Rod Exit Device

SARGENT
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TRIM AND AUXILIARY CONTROL For trim details see pages 75-76.

(Auxiliary Control)

(Inside Rod Actuator)

SARGENT	ANSI	Description	With Device	Trim Only*
06	12	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	HC-PE8710 x P306	P306
13	11	Key outside unlocks/locks trim #41 cylinder supplied	HC-PE8710 x P313	P313
73*	–	Electrified lever trim - fail safe power off, unlocks lever (no cylinder)	HC-PE8773 x P306**	P306**
74*	–	Electrified lever trim - fail secure power off, locks lever (no cylinder)	HC-PE8774 x P306**	P306**

(862, 863, 864 Pull)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder)	HC-PE8710 x 86x	86x

Pulls are not available in 14, 15, 26 or 26D

*Must specify finish
**Also available with P313

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HC-PE8700 Wide Stile
Surface Vertical Rod Exit Device

SARGENT
ASSA ABLOY

TRIM AND AUXILIARY CONTROL For trim details see page 76.

(FLL Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	HC-PE8710 x FLL	810-FLL

(FLW Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	HC-PE8710 x FLW	810-FLW

(MAL Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	HC-PE8710 x MAL	810-MAL

(PTB Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	HC-PE8710 x PTB	810-PTB

(STS Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	HC-PE8710 x STS	810-STS

*Must specify finish

Notes:
FLW trim is not available in 32 or 32D.
These trims are not available in 14, 15, 26 or 26D, except FLW is available in 14 & 15.

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HC-PE8700 Wide Stile
Surface Vertical Rod Exit Device

MECHANICAL & ELECTRICAL OPTIONS

	How to Specify	
Certifications	12-	UL fire label exit hardware (not available with 16- & HK- options)
Cylinder	LC-	Less cylinder
Dogging	16-	Cylinder lockdown with # 41 cylinder (not available with 12-, AL-, HK- options)
	LD-	Less dogging for non fire-rated devices
End Cap	OL-	Overlap end cap
Fasteners	36-	Six lobe security head screws
	TB-	Thrubolts
Finish Protection	CPC-	Clear powder coat (available for 32 & 32D finishes)
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)
Indicator	18-	Passive dogging indicator
Luminescence	PL-	SARGuide® photoluminescent push rail (not available with 85 & 87 options)
Tactile Warning	76-	Tactile warning - milled outside lever (not available with Studio Collection levers and the A lever)
	85-	Tactile warning - abrasive strip on push rail (not available with PL- option)
	86-	Tactile warning - abrasive coating on outside lever
	87-	Tactile warning - abrasive strip on push rail & abrasive coating on outside lever (not available with PL- option)

ELECTRICAL OPTIONS

	How to Specify	Detailed Description
Electrical Options	54-	Monitors ET lever movement with Internal micro switch in ET control
	55-	Request to exit - signal switch in rail
	55-ERM-	Double touchbar monitoring
	56-	Remote latch retraction (not available 58-, AL-, options)
	58-	Electric rail dogging (not available 56-, VLR option)
	HK-	Electrified exit device with manual hex key dogging (with 12-, 56-, VLR, 58- options)
	WR-	Include wire harness for Less Trim Devices

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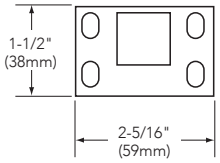
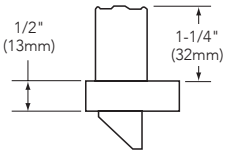
HC-PE8700 Wide Stile
Surface Vertical Rod Exit Device

STANDARD STRIKES

654 Top Strike

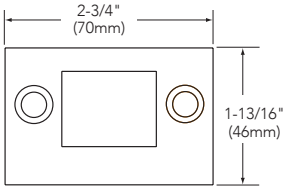
- Supplied standard
- Top bolt in frame
- Large mounting screws
- See template #MEDT26 for more details

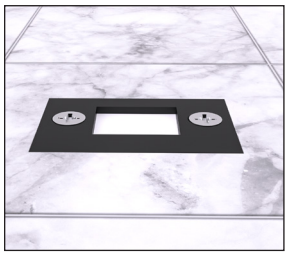




655 Bottom Strike

- Fire rated
- Stainless steel
- Black nylon coated
- See template #MEDT26 for more details





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HC4-PE8700 Wide Stile
Surface Vertical Rod Exit Device

SPECIFICATIONS

Chassis Cover	Stainless steel, brass or bronze
Chassis	Nonferrous alloy
Door Type	Metal
Door Configuration	Single or double doors **Note:** Approved single openings cannot be used as a pair, but a door in a pair can be used as a single opening.
Door/Opening Height	Must be specified • 96" maximum for non-fire rated & fire rated
Door Thickness	1-3/4" only
Stile	• 4-1/2" minimum - narrow & wide trim • 3-1/2" minimum - without trim
Rails	Stainless steel , brass or bronze
Rail Size	• Standard - E, F, J, G (see page 73 for measurements) • Custom sizes available
Projection	2.88"
Latching	Top latch - dropdown bolt; Bottom latch - dropdown
End Cap	• Flush end cap standard • Overlapping end cap optional - Specify OL-
Rods	• 1/2" brass, bronze or stainless steel • Adjusted at center case
Device Centerline	• 39-5/8" standard applications
Dogging Feature	• Hex key dogging standard on non fire-rated mechanical devices • Specify LD for less dogging
Indicator	Specify 18- for passive dogging indicator
Strikes	• 659 Top Strike • 655 Bottom Strike
Mounting Fasteners	• Machine screws provided • Available with thrubolts (TB-)
Frames	CURRIES 16 gauge KD, Pipe spacer anchors only, 12 gauge full sleeve reinforcing and existing opening anchor in head of frame
Hinges	McKinney TA2714 or T2714
Fire Ratings	See ratings and certifications table on page 7
Hurricane Ratings	Hurricane Rated (HC4) see ratings and certifications table on page 8

HOW TO ORDER

Options (Cylinder/ Mechanical/Electrical)	Device Type	Function	Rail Size	Trim	Finish - Outside	Hand	Finish - Inside	Door Width	Opening Height	AFF
56-	HC4-PE87	10	F	WEL	15	RHR	32D	36	Specify	Specify

HOW TO ORDER - DEVICE ONLY

Options (Cylinder/Mechanical/Electrical)	Device Type	Function	Rail Size	Finish	Door Width
56-	HC4-PE87	10	F	32D	36

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HC4-PE8700 Wide Stile
Surface Vertical Rod Exit Device

SARGENT
ASSA ABLOY

FUNCTIONS Device only.

SARGENT	ANSI	Description	Device Only
10	01	No outside operation (No Cylinder)	HC4-PE8710

FUNCTIONS/TRIM For trim details, see page 74. For lever options, see pages 78-85.

(Narrow Stile ET Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
06	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	HC4-PE8706 x NEx	P706 NEx
10	02	No outside operation (no cylinder); Trim used as pull only	HC4-PE8710 x NEx	P710 NEx
13	08	Key outside unlocks/locks trim #41 cylinder supplied	HC4-PE8713 x NEx	P713 NEx
15	14	Passage only (no cylinder)	HC4-PE8715 x NEx	P715 NEx
40	02	Freewheeling trim - no outside operation (no cylinder) dummy trim	HC4-PE8740 x NEx	P740 NEx
43	08	Freewheeling trim - key outside unlocks/locks trim #41 cylinder supplied	HC4-PE8743 x NEx	P743 NEx
46	09	Freewheeling trim - key unlocks trim, trim retracts latch/ trim relocks when key is removed #41 cylinder supplied	HC4-PE8746 x NEx	P746 NEx
73		Electrified lever trim - fail safe power off, unlocks lever (no cylinder)	HC4-PE8773 x NEx	P773 NEx
74		Electrified lever trim - fail secure power off, locks lever (no cylinder)	HC4-PE8774 x NEx	P774 NEx

(Wide Stile ET Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
06	09	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	HC4-PE8706 x WEx	P706 WEx
10	02	No outside operation (no cylinder); Trim used as pull only	HC4-PE8710 x WEx	P710 WEx
13	08	Key outside unlocks/locks trim #41 cylinder supplied	HC4-PE8713 x WEx	P713 WEx
15	14	Passage only (no cylinder)	HC4-PE8715 x WEx	P715 WEx
40	02	Freewheeling trim - no outside operation (no cylinder) dummy trim	HC4-PE8740 x WEx	P740 WEx
43	08	Freewheeling trim - key outside unlocks/locks trim #41 cylinder supplied	HC4-PE8743 x WEx	P743 WEx
46	09	Freewheeling trim - key unlocks trim, trim retracts latch/ trim relocks when key is removed #41 cylinder supplied	HC4-PE8746 x WEx	P746 WEx
73		Electrified lever trim - fail safe power off, unlocks lever (no cylinder)	HC4-PE8773 x WEx	P773 WEx
74		Electrified lever trim - fail secure power off, locks lever (no cylinder)	HC4-PE8774 x WEx	P774 WEx

*Must specify finish

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HC4-PE8700 Wide Stile
Surface Vertical Rod Exit Device

SARGENT
ASSA ABLOY

TRIM AND AUXILIARY CONTROL For trim details see pages 75-76.

(Auxiliary Control)

(Inside Rod Actuator)

SARGENT	ANSI	Description	With Device	Trim Only*
06	12	Key unlocks trim, trim retracts latch/trim relocks when key is removed #41 cylinder supplied	HC4-PE8710 x P306	P306
13	11	Key outside unlocks/locks trim #41 cylinder supplied	HC4-PE8710 x P313	P313
73*	–	Electrified lever trim - fail safe power off, unlocks lever (no cylinder)	HC4-PE8773 x P306**	P306**
74*	–	Electrified lever trim - fail secure power off, locks lever (no cylinder)	HC4-PE8774 x P306**	P306**

(862, 863, 864 Pull)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder)	HC4-PE8710 x 86x	86x

Pulls are not available in 14, 15, 26 or 26D

*Must specify finish
**Also available with P313

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HC4-PE8700 Wide Stile
Surface Vertical Rod Exit Device

SARGENT
ASSA ABLOY

TRIM AND AUXILIARY CONTROL For trim details see page 76.

(FLL Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	HC4-PE8710 x FLL	810-FLL

(FLW Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	HC4-PE8710 x FLW	810-FLW

(MAL Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	HC4-PE8710 x MAL	810-MAL

(PTB Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	HC4-PE8710 x PTB	810-PTB

(STS Pull Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	HC4-PE8710 x STS	810-STS

Notes:
These trims are not available in 14, 15, 26 or 26D, except FLW is available in 14 & 15.
FLW trim is not available in 32 or 32D.

*Must specify finish

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HC4-PE8700 Wide Stile
Surface Vertical Rod Exit Device

SARGENT
ASSA ABLOY

MECHANICAL & ELECTRICAL OPTIONS

	How to Specify	Detailed Description
Certifications	12-	UL fire label exit hardware (not available with 16- & HK- options)
Cylinder	LC-	Less cylinder
Dogging	16-	Cylinder lockdown with # 41 cylinder (not available with 12-, 59-, AL-, HK- options)
	LD-	Less dogging for non fire-rated devices
End Cap	OL-	Overlap end cap
Fasteners	36-	Six lobe security head screws
	TB-	Thrubolts
Finish Protection	CPC-	Clear powder coat (available for 32 & 32D finishes)
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)
Indicator	18-	Passive dogging indicator
Luminescence	PL-	SARGuide® photoluminescent push rail (not available with 85 & 87 options)
Tactile Warning	76-	Tactile warning - milled outside lever (not available with Studio Collection levers and the A lever)
	85-	Tactile warning - abrasive strip on push rail (not available with PL- option)
	86-	Tactile warning - abrasive coating on outside lever
	87-	Tactile warning - abrasive strip on push rail & abrasive coating on outside lever (not available with PL- option)

ELECTRICAL OPTIONS

	How to Specify	Detailed Description
Electrical Options	54-	Monitors ET lever movement with Internal micro switch in ET control
	55-	Request to exit - signal switch in rail
	55-ERM-	Double touchbar monitoring
	56-	Remote latch retraction (not available 58- option)
	58-	Electric rail dogging (not available with 56-, VLR option)
	HK-	Electrified exit device with manual hex key dogging (with 12-, 56-, VLR, 58- options)
	WR-	Include wire harness for Less Trim Devices. (Supplied standard with 59- option)

*Must specify finish

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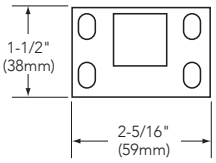
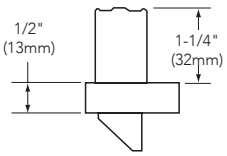
HC4-PE8700 Wide Stile
Surface Vertical Rod Exit Device

STANDARD STRIKES

659 Top Strike

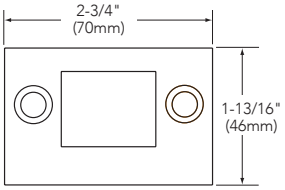
- Supplied standard
- Latch drops down from door frame
- Latchbolt nylon coated
- Stainless steel
- See template #MEDT26 for more details

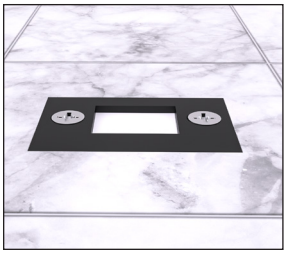




655 Bottom Strike

- Fire rated
- Stainless steel
- Black nylon coated
- See template #MEDT26 for more details





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PE8400 Narrow Stile
Concealed Vertical Rod Exit Device

MD-PE8400 shown

SPECIFICATIONS

Chassis Cover	Stainless steel, brass or bronze
Chassis	Nonferrous alloy
Door Type**	Must be specified Aluminum or Metal
Door Configuration	Single or double doors
Door/Opening Height	Must be specified • 120" maximum door opening non-fire rated
Door Thickness	1-3/4" to 2-1/4" thick
Cladding	• Available for 1/4" on 1/2" panels. Specify 31- and panel thickness on order. • Only available on 1-3/4" door thickness. Must be noted separately from door thickness on order string.
Stile	• Narrow Stile Trim - 1-3/4" minimum • Wide Stile Trim - 3" minimum
Rails	Stainless steel, brass or bronze
Rail Size	• Standard - E, F, J, G (see page 73 for measurements) • Custom sizes available
Projection	2.88"
Latching	• Top latch - stainless bolt; Bottom latch - stainless steel dropdown • Available as Top latch only (NB-)
End Cap	• Flush end cap standard • Overlapping end cap optional - Specify OL-
Device Centerline	• 39-5/8" for standard applications • 38" for elementary schools
Dogging Feature	• Hex key dogging standard on non fire-rated devices • Specify 16- for cylinder dogging (#41 cylinder supplied) • Specify LD for less dogging
Indicator	Specify 18- for passive dogging indicator
Rods	Adjusted at center case
Strike	• 640 Top & Bottom Strike - standard for aluminum doors (AD-) • 652 Top & Bottom Strike - standard for metal doors (MD-) • 639 Top Strike - standard for aluminum doors, less bottom rod (NB-AD-) • 650 Top Strike – standard for metal doors, less bottom rod (NB-MD-) • 606 Bottom Strike- optional for aluminum doors (AD-)
Mounting Fasteners	Machine screws provided
Fire Ratings	• See ratings and certification table on page 7 • 12-NB applications require 683 thermal pin kit. Thermal pin supplied when ordered as a 12-NB device

HOW TO ORDER

Options (Cylinder/ Mechanical/Electrical)	Door Type	Device Type	Function	Rail Size	Trim	Finish - Outside	Hand	Optional Strikes	Finish - Inside	Door Width	Opening Height	AFF
56-	AD	PE84	10	F	NEL	15	RHR	639	32D	36	Specify	Specify

HOW TO ORDER - DEVICE ONLY

Options (Cylinder/Mechanical/Electrical)	Door Type	Device Type	Function	Rail Size	Finish	Door Width
56-	AD	PE84	10	F	32D	36

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PE8400 Narrow Stile
Concealed Vertical Rod Exit Device

FUNCTIONS Device only.

SARGENT	ANSI	Description	Device Only
10	01	No outside operation (No Cylinder)	PE8410

FUNCTIONS/TRIM For trim details, see page 74. For lever options, see pages 78-85.

(Narrow Stile ET Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
06	09	Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied	PE8406 x NEx	P706-4 NEx
10	02	No outside operation (No Cylinder)* Trim is used as Pull Only	PE8410 x NEx	P710-4 NEx
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	PE8413 x NEx	P713-4 NEx
15	14	Passage Only (No cylinder)	PE8415 x NEx	P715-4 NEx
40	02	Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim	PE8440 x NEx	P740-4 NEx
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	PE8443 x NEx	P743-4 NEx
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied	PE8446 x NEx	P746-4 NEx
73		Electrified lever Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)	PE8473 x NEx	P773-4 NEx
74		Electrified lever Trim - Fail Secure Power Off, Locks Lever (No Cylinder)	PE8474 x NEx	P774-4 NEx

(Wide Stile ET Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
06	09	Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied	PE8406 x NEx	P706-4 NEx
10	02	No outside operation (No Cylinder)* Trim is used as Pull Only	PE8410 x NEx	P710-4 NEx
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	PE8413 x NEx	P713-4 NEx
15	14	Passage Only (No cylinder)	PE8415 x NEx	P715-4 NEx
40	02	Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim	PE8440 x NEx	P740-4 NEx
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	PE8443 x NEx	P743-4 NEx
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied	PE8446 x NEx	P746-4 NEx
73		Electrified lever Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)	PE8473 x NEx	P773-4 NEx
74		Electrified lever Trim - Fail Secure Power Off, Locks Lever (No Cylinder)	PE8474 x NEx	P774-4 NEx

*Must specify finish

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PE8400 Narrow Stile
Concealed Vertical Rod Exit Device

TRIM AND AUXILIARY CONTROL For trim details see pages 75-76.

(Auxiliary Control)

SARGENT	ANSI	Description	With Device	Trim Only*
6	12	Key unlocks turn; turn retracts latch/turn relocks when key is removed #41 cylinder supplied	PE8410 x P106	P106
13	11	Key outside unlocks/locks turn 86x pull #41 cylinder supplied	PE8410 x P113	P113
73	–	Electrified lever trim - fail safe power off, unlocks lever (no cylinder)	PE8473 x P106**	P106**
74	–	Electrified lever trim - fail secure power off, locks lever (no cylinder)	PE8474 x P106**	P106**

(862, 863, 864 Pull)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	PE8410 x 86x	86x

Pulls are not available in 14, 15, 26 or 26D

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*Must specify finish

**Also available with P113

PE8400 Narrow Stile
Concealed Vertical Rod Exit Device

SARGENT
ASSA ABLOY

MECHANICAL OPTIONS

	How to Specify	Detailed Description
Certifications	12-	UL fire label exit hardware (not available with 16-, 18- & HK- options)
Cylinder	LC-	Less cylinder
Dogging	16-	Cylinder lockdown with # 41 cylinder (not available with 12-, 59-, AL-, HK- options)
	LD-	Less dogging for non fire-rated devices
Door Type**	31-	Doors over 1-3/4" and/or panels (specify door thickness, panel thickness & location as required)
	AD-	Aluminum door
	AD01-	Kawneer 250T/350T/500T Insulpour® Thermal Entrances Compatibility
	MD-	Metal door
End Cap	OL-	Overlap end cap
Fasteners	36-	Six lobe security head screws
Finish Protection	CPC-	Clear powder coat (available for 32 & 32D finishes)
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)
Indicator	18-	Passive dogging indicator
Latching	NB-	Less bottom rod
Luminescence	PL-	SARGuide® photoluminescent push rail (not available with 85 & 87 options)
Rail Force	5CH-	5lb. Pressure Release (Maximum opening height 10ft)
Tactile Warning	76-	Tactile warning - milled outside lever (not available with Studio Collection levers and the A lever)
	85-	Tactile warning - abrasive strip on push rail (not available with PL- option)
	86-	Tactile warning - abrasive coating on outside lever
	87-	Tactile warning - abrasive strip on push rail & abrasive coating on outside lever (not available with PL-)

ELECTRICAL OPTIONS

	How to Specify	Detailed Description
Electrical Options	53-	Latchbolt monitoring switch (not available with 59- option)
	54-	Monitors ET lever movement with Internal micro switch in ET control
	55-	Request to exit - signal switch in rail (not available with 59- option)
	55-ERM-	Double touchbar monitoring
	56-	Remote latch retraction (not available 58-, 59- & AL- options)
	58-	Electric rail dogging (not available 56-, VLR & 59- options)
	59-	Electroguard® self contained delayed egress device (not available with 16-, 53-, 55-, 56-, 5CH-, VLR, 58- & AL- options)
	AL-	Alarmed exit (not available 16-, 56-, VLR, 59- options)
	HK-	Electrified exit device with manual hex key dogging (also available with 56-, VLR, 58- options)
	VLR-	Latch Retraction Override (not available 58-, 59-, AL, W53-, W54- & W55-)
	WR-	Include wire harness for Less Trim Devices. (Supplied standard with 59- option)

**Must specify door type

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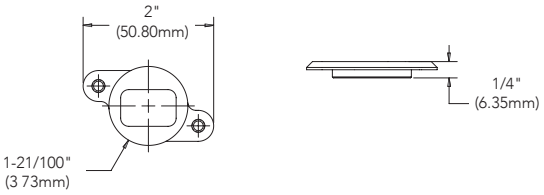
PE8400 Narrow Stile
Concealed Vertical Rod Exit Device

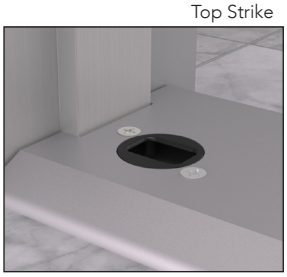
STANDARD STRIKES

640 Top & Bottom Strike

- Includes one top strike and one bottom strike
- Stainless steel
- Supplied standard for aluminum doors
- Available as an option for metal doors
- Black Nylon Coating
- Machine Screws Supplied
- See template #MEDT6 for more details



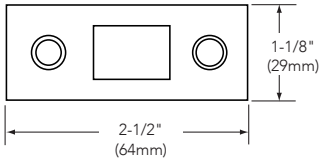
Top Strike



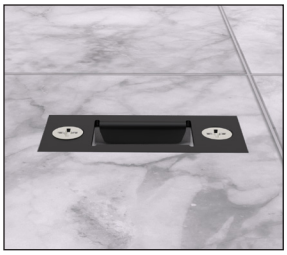
Bottom Strike

652 Top & Bottom Strike

- Includes one top strike and one bottom strike
- Supplied standard for metal doors
- Stainless steel nylon coated
- See template #MEDT9 for more details



Top Strike



Bottom Strike

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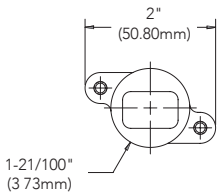
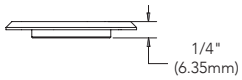
PE8400 Narrow Stile
Concealed Vertical Rod Exit Device

SARGENT
ASSA ABLOY

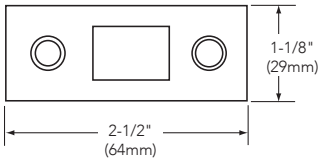
OPTIONAL STRIKES

639 Top Strike
- Supplied standard for aluminum doors, less bottom rod
- Stainless steel
- Black Nylon Coating
- Machine Screws Supplied
- See template #MEDT6 for more details

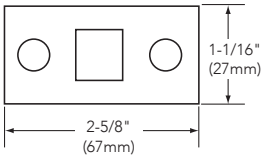


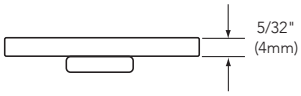


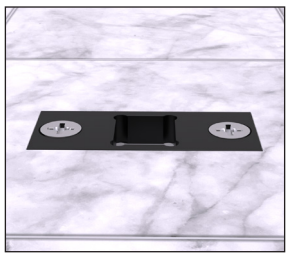
650 Top Strike
- Supplied standard for metal doors, less bottom rod
- Stainless steel nylon coated
- See template #MEDT9 for more details



606 Bottom Strike
- Supplied standard for metal doors
- Available as an option for aluminum doors
- Furnished with expansion shields
- Mortised into floor
- Stainless steel
- See template #MEDT9 for more details







KAWNEER Insulpour Thermal Entrances
Use Door Material Code - AD01
- Compatible with KAWNEER 250T, 350T and 500T openings
- 2 1/4" thick doors only
- All mechanical and electromechanical options available
- Available with SN series only
- CVR devices only
- Strike Template: MEDT6

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PE8600 Wide Stile
Concealed Vertical Rod Exit Device

MD-PE8600 shown

SPECIFICATIONS

Chassis Cover	Stainless steel, brass or bronze
Chassis	Nonferrous alloy
Door Type	**Must be specified -** Aluminum, metal or wood doors
Door Configuration	Single or double doors
Door/Opening Height	**Must be specified -** • 96" maximum door height for HC options • 120" maximum door opening
Door Thickness	1-3/4" to 2-1/4" thick
Cladding	• Available for 1/4" or 1/2" panels. Specify 31- and panel thickness on order. • Only available on 1-3/4" door thickness. Must be noted separately from door thickness on order string.
Stile	• 4-1/2" minimum - narrow & wide trim • 3-1/2" minimum - without trim
Rails	Stainless steel, brass or bronze
Rail Size	• Standard - E, F, J, G (see page 73 for measurements) • Custom sizes available
Projection	2.88"
Latching	• Top latch - stainless steel bolt; Bottom latch - stainless steel • Available as Top latch only (NB-)
End Cap	• Flush end cap standard • Overlapping end cap optional - Specify OL-
Device Centerline	• 39-5/8" for standard applications • 38" for elementary schools
Dogging Feature	• Hex key dogging standard on non fire-rated devices • Specify 16- for cylinder dogging (#41 cylinder supplied) • Specify LD for less dogging
Indicator	Specify 18- for passive dogging indicator
Rods	Adjusted at center case
Strikes	• 640 Top & Bottom Strike - standard for aluminum doors (AD-) • 652 Top & Bottom Strike - standard for metal and wood doors (MD-, WD-) • 639 Top Strike - standard for aluminum doors, less bottom rod (NB-AD-) • 650 Top Strike – standard for metal and wood doors, less bottom rod (NB-MD-; NB-WD-) • 606 Bottom Strike- optional for aluminum doors (AD-)
Mounting Fasteners	Supplied standard with wood and metal screws
Fire Ratings	• See Ratings and Certifications Table • 12-NB applications require 683 thermal pin kit. Thermal pin supplied when ordered as a 12-NB device
Hurricane Ratings	See hurricane/windstorm ratings and certifications table on page 8

HOW TO ORDER

Options (Cylinder/Mechanical/Electrical)	Door Type	Device Type	Function	Rail Size	Trim	Finish - Outside	Hand	Optional Strikes	Finish - Inside	Door Width	Opening Height	AFF
56-	AD	PE86	10	F	WEL	15	RHR	606	32D	36	Specify	Specify

HOW TO ORDER - DEVICE ONLY

Options (Cylinder/Mechanical/Electrical)	Door Type	Device Type	Function	Rail Size	Finish	Door Width
56-	AD	PE86	10	F	32D	36

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PE8600 Wide Stile
Concealed Vertical Rod Exit Device

FUNCTIONS Device only.

SARGENT	ANSI	Description	Device Only
10	01	No outside operation (No Cylinder)	PE8610

FUNCTIONS/TRIM For trim details, see page 74. For lever options, see pages 78-85.

(Narrow Stile ET Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
06	09	Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied	PE8606 x NEx	P706-4 NEx
10	02	No outside operation (No Cylinder)* Trim is used as Pull Only	PE8610 x NEx	P710-4 NEx
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	PE8613 x NEx	P713-4 NEx
15	14	Passage Only (No cylinder)	PE8615 x NEx	P715-4 NEx
40	02	Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim	PE8640 x NEx	P740-4 NEx
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	PE8643 x NEx	P743-4 NEx
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied	PE8646 x NEx	P746-4 NEx
73		Electrified Lever Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)	PE8673 x NEx	P773-4 NEx
74		Electrified Lever Trim - Fail Secure Power Off, Locks Lever (No Cylinder)	PE8674 x NEx	P774-4 NEx

(Wide Stile ET Trim)

SARGENT	ANSI	Description	With Device	Trim Only*
06	09	Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied	PE8606 x WEx	P706-4 WEx
10	02	No outside operation (No Cylinder)* Trim is used as Pull Only	PE8610 x WEx	P710-4 WEx
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	PE8613 x WEx	P713-4 WEx
15	14	Passage Only (No cylinder)	PE8615 x WEx	P715-4 WEx
40	02	Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim	PE8640 x WEx	P740-4 WEx
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	PE8643 x WEx	P743-4 WEx
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied	PE8646 x WEx	P746-4 WEx
73		Electrified Lever Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)	PE8673 x WEx	P773-4 WEx
74		Electrified Lever Trim - Fail Secure Power Off, Locks Lever (No Cylinder)	PE8674 x WEx	P774-4 WEx

*Must specify finish

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PE8600 Wide Stile
Concealed Vertical Rod Exit Device

TRIM AND AUXILIARY CONTROL For trim details see pages 75-76.

(Auxiliary Control)

SARGENT	ANSI	Description	With Device	Trim Only*
6	12	Key unlocks turn; turn retracts latch/turn relocks when key is removed #41 cylinder supplied	PE8610 x P106	P106
13	11	Key outside unlocks/locks turn 86x pull #41 cylinder supplied	PE8610 x P113	P113
73	–	Electrified Lever trim - fail safe power off, unlocks lever (no cylinder)	PE8673 x P106**	P106**
74	–	Electrified Lever trim - fail secure power off, locks lever (no cylinder)	PE8674 x P106**	P106**

(862, 863, 864 Pull)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	PE8610 x 86x	86x

Pulls are not available in 14, 15, 26 or 26D

ANTI-VANDAL TRIM See page 77.

Anti Vandal Trim
(821)

SARGENT	ANSI	Description	With Device	Trim Only*
10	02	No outside operation (no cylinder); Used as pull only	PE8610 x 821	821

*Must specify finish
**Also available with P113

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PE8600 Wide Stile
Concealed Vertical Rod Exit Device

MECHANICAL OPTIONS

	How to Specify	Detailed Description
Certifications	12-	UL fire label exit hardware - metal doors only (not available with 16-, 18- & HK- options)
	HC	Hurricane rated (available on metal doors only)
Cylinder	LC-	Less cylinder
Dogging	16-	Cylinder lockdown with # 41 cylinder (not available with 12-, 59-, AL- & HK- options)
	LD-	Less dogging for non fire-rated devices
Door Type* **	31-	Doors over 1-3/4" and/or panels (specify door thickness, panel thickness & location as required)
	AD-	Aluminum door
	AD01-	Kawneer 250T/350T/500T Insulpour® Thermal Entrances Compatibility
	MD-	Metal door
	WD-	Wood door
End Cap	OL-	Overlap end cap
Fasteners	36-	Six lobe security head screws
Finish Protection	CPC-	Clear powder coat (available for 32 & 32D finishes)
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)
Indicator	18-	Passive dogging indicator
Latching	NB-	Less bottom rod
Luminescence	PL-	SARGuide® photoluminescent push rail (not available with 85 & 87 options)
Rail Force	5CH-	5lb. pressure release (Maximum opening height 10ft)
Tactile Warning	76-	Tactile warning - milled outside lever (not available with Studio Collection levers and the A lever)
	85-	Tactile warning - abrasive strip on push rail (not available with PL- option)
	86-	Tactile warning - abrasive coating on outside lever
	87-	Tactile warning - abrasive strip on push rail & abrasive coating on outside lever (not available with PL- option)

ELECTRICAL OPTIONS

	How to Specify	Detailed Description
Electrical Options	53-	Latchbolt monitoring switch (not available with 59- option)
	54-	Monitors ET lever movement with Internal micro switch in ET control
	55-	Request to exit - signal switch in rail (not available with 59-)
	55-ERM-	Double touchbar monitoring
	56-	Remote latch retraction (not available 58-, 59-, AL- options)
	58-	Electric rail dogging (not available 56-, VLR & 59- options)
	59-	Electroguard® self contained delayed egress device (not available with 16-, 53-, 55-, 56-, 5CH-, VLR, 58-, & AL- options)
	AL-	Alarmed exit (Not available 16-, 56-, VLR, & 59- options)
	HK-	Electrified exit device with manual hex key dogging (available with 56-, VLR, 58- options)
	VLR-	Latch Retraction Override (not available 58-, 59-, AL, W53-, W54- & W55-)
	WR-	Include wire harness for Less Trim Devices. (Supplied standard with 59- option)

***Must specify door type

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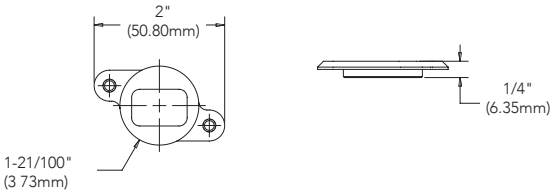
PE8600 Wide Stile
Concealed Vertical Rod Exit Device

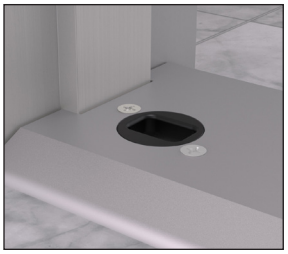
STANDARD STRIKES

640 Top & Bottom Strike

- Includes one top strike and one bottom strike
- Available as an option for metal and wood doors
- Stainless steel
- Supplied standard for aluminum doors
- Black Nylon Coating
- Machine Screws Supplied
- See template #MEDT6 for more details



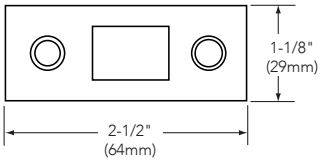
Top Strike



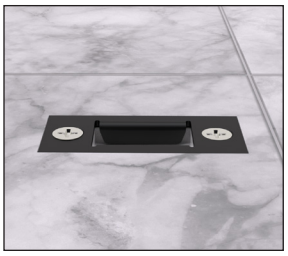
Bottom Strike

652 Top & Bottom Strike

- Includes one top strike and one bottom strike
- Supplied standard for metal and wood doors
- Stainless steel nylon coated
- See template #MEDT9 for more details



Top Strike



Bottom Strike

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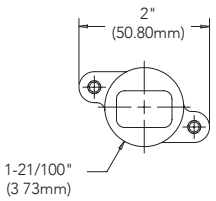
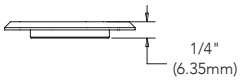
PE8600 Wide Stile
Concealed Vertical Rod Exit Device

SARGENT
ASSA ABLOY

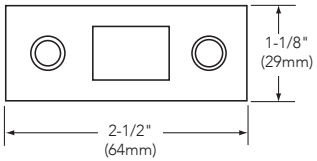
OPTIONAL STRIKES

639 Top Strike
- Supplied standard for aluminum doors, less bottom rod
- Stainless steel
- Black Nylon Coating
- Machine Screws Supplied
- See template #MEDT6 for more details

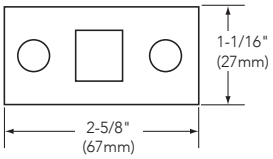


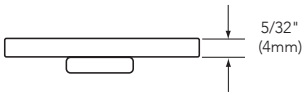


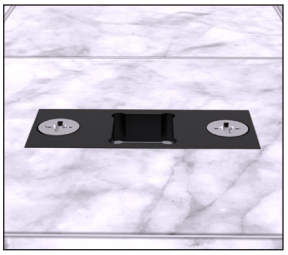
650 Top Strike
- Supplied standard for metal and wood doors, less bottom rod
- Stainless steel nylon coated
- See template #MEDT9 for more details



606 Bottom Strike
- Supplied standard for metal and wood doors
- Available as an option for aluminum doors
- Furnished with expansion shields
- Mortised into floor
- Stainless steel
- See template #MEDT9 for more details







KAWNEER Insulpour Thermal EntranceS
Use Door Material Code - AD01
- Compatible with KAWNEER 250T, 350T and 500T openings
- 2 1/4" thick doors only
- All mechanical and electromechanical options available
- Available with SN series only
- CVR devices only
- Strike Template: MEDT6

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Rails and covers

RAIL SIZES

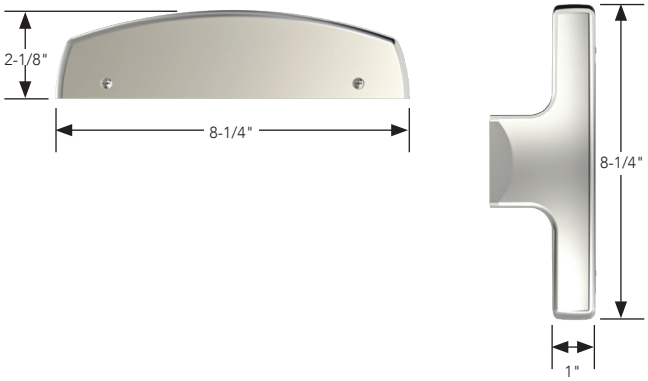
Stock Size	Door Opening Widths	Remarks
*	25" to 26" (63.5cm to 66cm) Must specify in order string!	Not compatible with the following: AL-, 16-, 53-, W53-, 54-, W54-, 55-, W55-, 55-ERM-, W55-ERM-, 56-, 58-, 59-, VLR-, WH- FM-, HC-, WS-, OL-, 23-, active dogging indicator, shim kits.
E	26" to 32" (66 cm to 81 cm)	No cutting required for 32" (81 cm) door
F	32.5" to 36" (84 cm to 91 cm)	No cutting required for 36" (91 cm) door
J	36.5" to 42" (94 cm to 107 cm)	No cutting required for 42" (107 cm) door
G	42.5" to 48" (110 cm to 122 cm)	No cutting required for 48" (122 cm) door

Note: Must specify rail length on order string to receive factory cut rail.
*For PE8300, PE8900 mortise exit devices, minimum door opening width supported is 25".

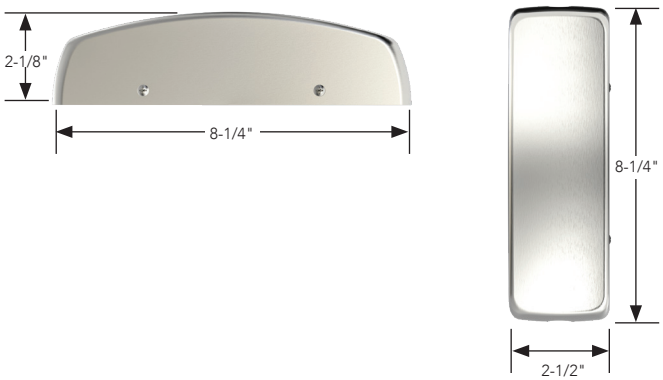
TOUCHBAR PROJECTION

DELAYED EGRESS TOUCHBAR PROJECTION

NARROW STILE COVER DIMENSIONS



WIDE STILE COVER DIMENSIONS



FLUSH END CAP (STANDARD)

OVERLAPPING END CAP (OL-)

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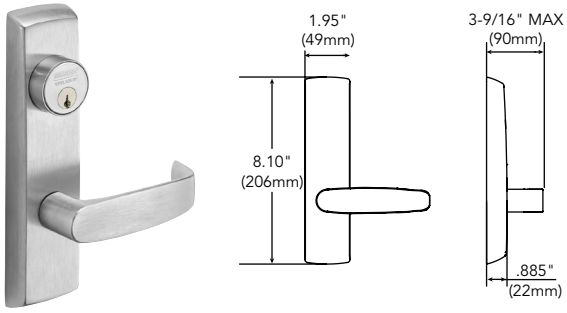
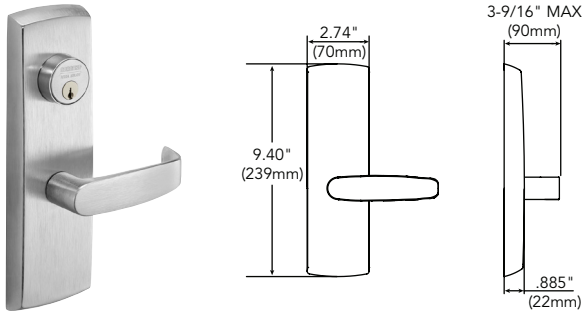
Lever trim

LEVER TRIM

P700 NEX Lever Trim

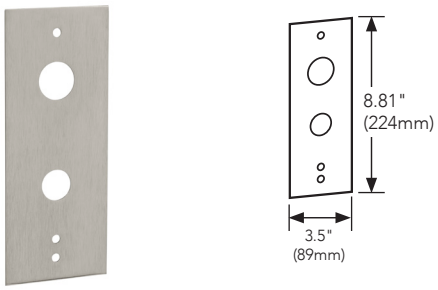


P700 WEX Lever Trim



68-0657 COVER PLATE TRIM

- Used with Narrow Lever trim only (NE)
- Used with narrow or wide lever trim to cover Von Duprin's 98/98 Series trim



EcoFlex® Lever Trim

- Provides remote means of locking and unlocking of the lever
- Requires a McKinney QC8 Hinge for EcoFlex P700 Trims and/or 54- option
- Voltage: 12VDC or 24VDC Regulated
- Actuator draw = 400mA inrush/15mA continuous @ 12VDC/24VDC
- Operating Temp.: Max. 151°F (66°C), Min -31°F (-35°C)
- Full wave rectification installed inside the P700 Control
- UL and cUL listed for use on fire doors
- Field reversible
- Key retracts latch mechanically
- See page 6 for addtional details on EcoFlex technology

Notes: Repeated operation at voltage exceeding +/- 10% is not recommended

(Narrow Stile ET Trim)

(Wide Stile ET Trim)

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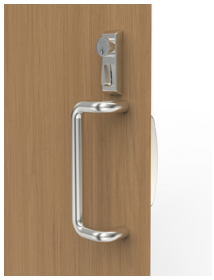
Auxiliary controls

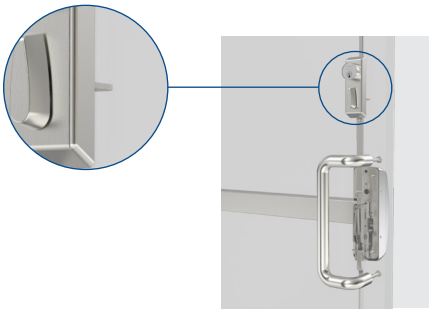
AUXILIARY CONTROLS

P100 Series

- Used with concealed vertical rod devices (PE8400 and PE8600)
- Engages with Auxiliary Control Link Assembly on vertical rod
- Wood doors require unit to be mounted approximately 4-5/8" above chassis centerline
  - See template MEDT70 for more details)
- Metal doors require unit to be mounted approximately 7-5/16" above chassis centerline
  - See template #MEDT7 for more details)



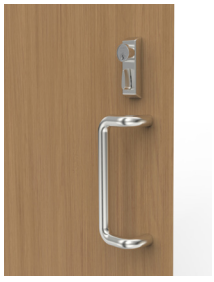
Wood



Metal

P300 Series

- Used with surface vertical rod devices (PE8700)
- Engages with Inside Rod Actuator Assembly
- Metal and Wood door applications are mounted at same position above chassis centerline
- See template #4214 for more details



Inside Rod Actuator Assembly

- Used with surface vertical rod devices (PE8700)
- Attaches to top rod and engages with P300 Series Auxiliary Control
- Packed standard with P306 and P313 Auxiliary Controls
- Part # 97-2378
- See template #4214 for more details

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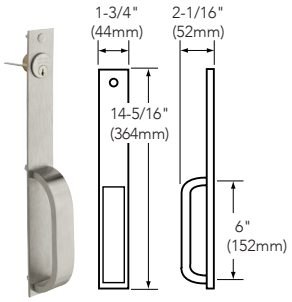
Trims and pulls

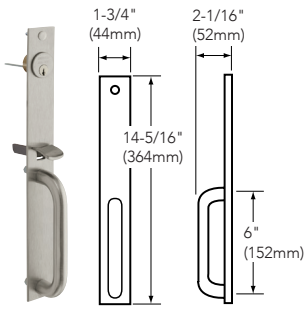
TRIM AND PULLS

These trims are thrubolted, creating perfect alignment of center case, thumbpiece and cylinder, as required. Thrubolts pass through the chassis of the devices and are bolted directly to the trim. FSL, FSW, MSL and PSB pulls are used with 12- PE8804 and PE8804 only, they are identical to FLL, FLW, MAL and PTB pulls except the cylinder hole is located 3/8" (9mm) lower. The 802-PTB plate is a flat plate which can be used to cover existing door preps and is an ANSI/BHMA function 01.

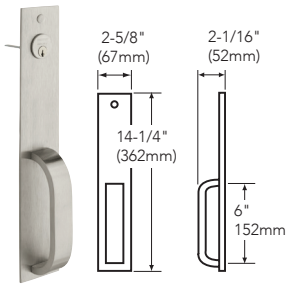
FLL/FSL



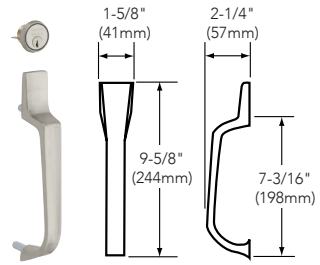
FLW/FSW



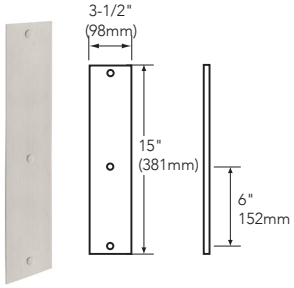
MAL/MSL



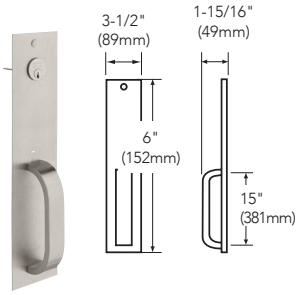
STS



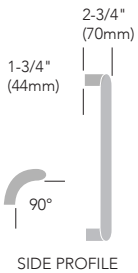
802-PTB



PTB/PSB

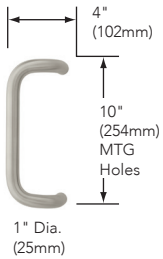


PULLS



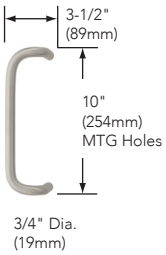
SIDE PROFILE

862



863

864



Notes:

- FLW and FSW trims are not available in 32 or 32D.
- Pulls and thumb piece trims are not available in 14, 15, 26 or 26D , except FLW/FSW is available in 14 & 15.

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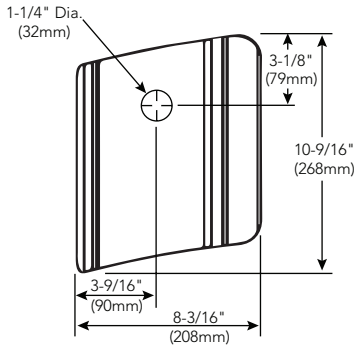
Trims and pulls

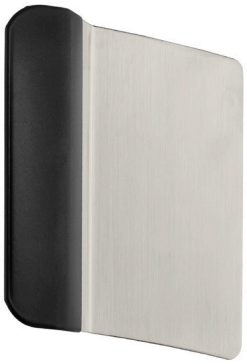
ANTI-VANDAL TRIM

Designed for exterior doors that require extra security or resistance to vandalism, anti-vandal trim (AVT) plates have a matte plastic coated grip to provide a comfortable pull over wide temperature ranges. All plates are through-bolted with no exposed exterior fasteners for a cleaner look and increased security. Plates used on the active side of the door have an extended lip to provide extra protection for the latchbolt.

- Wide Stile exit devices only (PE8600, PE8700, PE8800, PE8900)
- Available with Night Latch (04) and Dummy Functions (10) only
- Not available with these options: 31, 49, 76, 85, 86, 87
- Styles with No protective lip (821 & 826) are used on inactive leaf doors
- #34 Rim Cylinder supplied for PE8804
- #41 Mortise Cylinder supplied for PE8904
- Heavy duty 12-gauge stainless steel
- Through-bolted for added strength
- Handed – Specify RHR or LHR
- 32D finish only
- ADA Compliant



821



824

826

827

Part Number	Description	Application
821	No Protective Lip & No Cylinder	MD/WD-PE8610, PE8710, NB-PE8710, PE8810, PE8910
824	Protective Lip & Cylinder	PE8804 and PE8904
826	No Protective Lip & Cylinder	PE8804
827	Protective Lip & No Cylinder	PE8810 and PE8910

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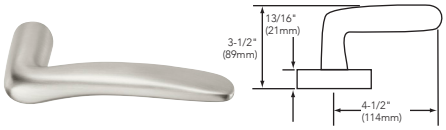
Levers - standard

STANDARD LEVERS

A (HANDED)



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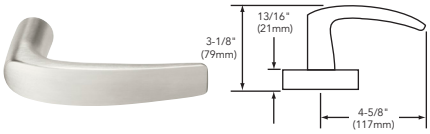

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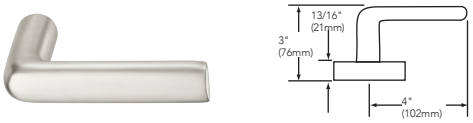
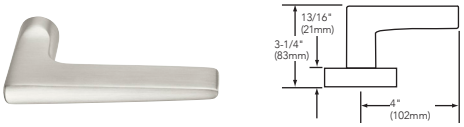
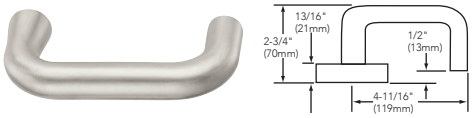


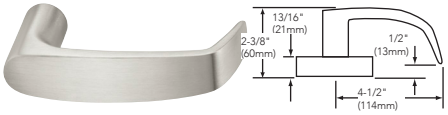
F



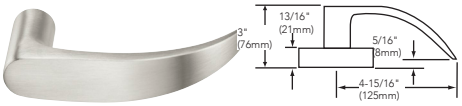
J*



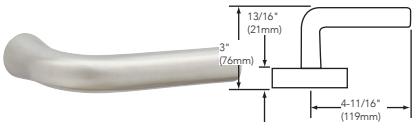
L*



P*



W*



* Lever returns within 1/2" (13mm) of door face

Note: Tactile warning options (76-, 85-, 86-, and 87-) are available on all standard levers, except the A lever. See page 117 for more details.

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Levers - decorative

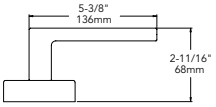
STUDIO COLLECTION LEVERS

Studio Collection trim is available in a broad array of designs and finishes. It allows for uniformity throughout a facility using cylindrical locks, tubular locks, mortise locks, exit devices, and electronic access control products.

All levers meet ADA compliance for national codes.

AVENTURA SERIES

MB



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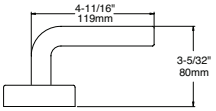

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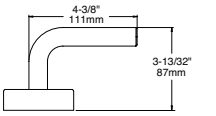
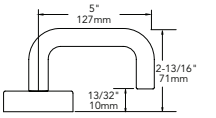
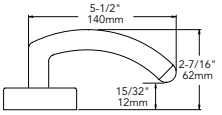


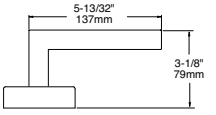
NF[1]



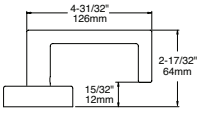
MG



MI

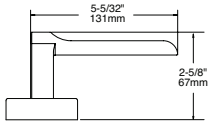


MW[1]



BERLIN SERIES

H015



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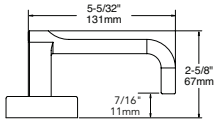

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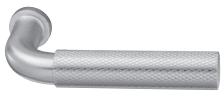

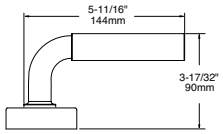

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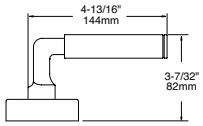

[1] Lever returns within 1/2" (13mm) of door face.

Note: Tactile warning options (85-, 86-, and 87-) are available on all Studio Collection levers. See page 118 for more details.

Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.

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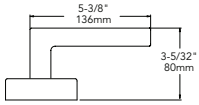
Levers - decorative

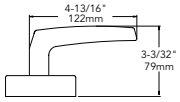
SARGENT
ASSA ABLOY

CENTRO SERIES

MD



MJ



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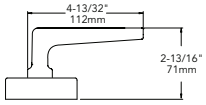

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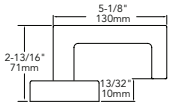
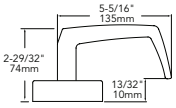
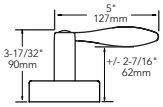


NJ[1]



COASTAL SERIES

G



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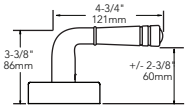
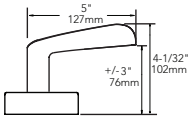
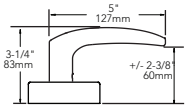


S



Y



[1] Lever returns within 1/2" (13mm) of door face.
[2] Not available in 32 or 32D finish.

Note: Tactile warning options (85-, 86-, and 87-) are available on all Studio Collection levers. See page 118 for more details.

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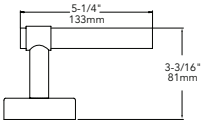
Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.

Levers - decorative

SARGENT
ASSA ABLOY

GRAMERCY SERIES1

RCM



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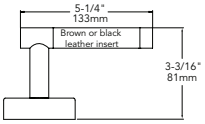

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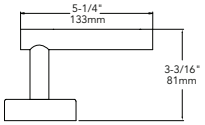

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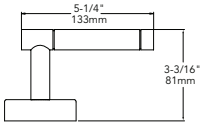

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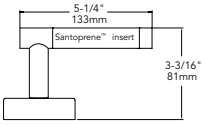

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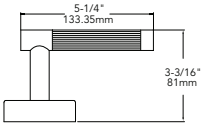

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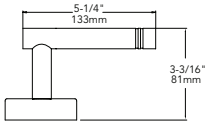
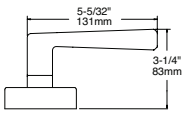
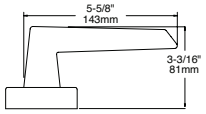


GRANT PARK

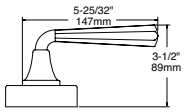
H007



H008 (HANDED)



H011



1 Gramercy levers are customized. See page 84.

Note: Tactile warning options (85-, 86-, and 87-) are available on all Studio Collection levers. See page 118 for more details.

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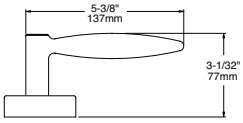
Levers - decorative

NOTTING HILL SERIES (HANDED LEVERS)

MA[2]



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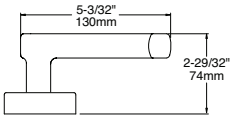

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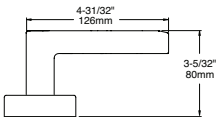

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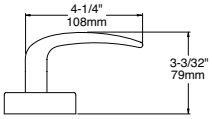

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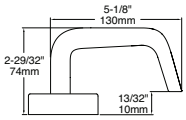
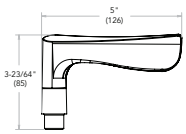
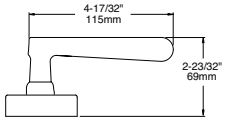


GT



ODÉON SERIES (HANDED LEVERS)

MN[2]



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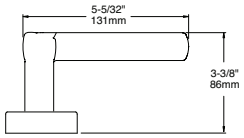

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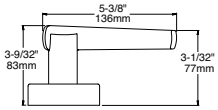
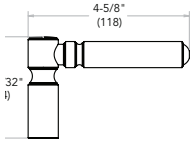


WG



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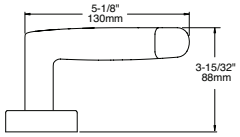
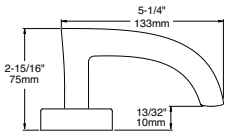


NU[1,2]



[1] Lever returns within 1/2" (13mm) of door face.
[2] Not available in 32 or 32D finish.

Note: Tactile warning options (85-, 86-, and 87-) are available on all Studio Collection levers. See page 118 for more details.

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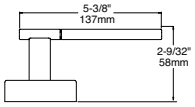
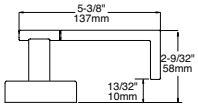
Levers - decorative

WOOSTER SQUARE2

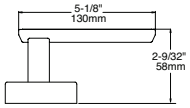
H001



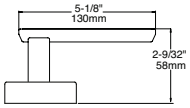
H002[1]



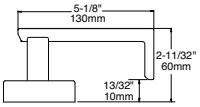
H003[2]



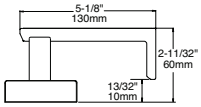
H004[2]



H005[1,2]



H006[1,2]



[1] Lever returns within 1/2" (13mm) of door face.

[2] H003-H006 - Contain white or black polycarbonate inserts. Not available with MicroShield® antimicrobial coating.

Note: Tactile warning options (85-, 86-, and 87-) are available on all Studio Collection levers. See page 118 for more details.

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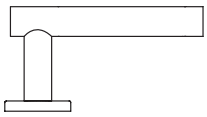
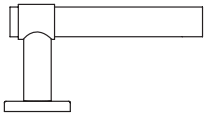
Gramercy series levers

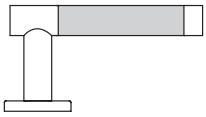
GRAMERCY LEVERS



REM, RGM



RCM



RAG, RAL, RAM**, RAS

GRAMERCY FINISH CODES

ANSI/BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

GRAMERCY LEVER DESCRIPTIONS AND AVAILABLE FINISHES

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK, 30BN, 29BK, 29BN, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Satin Metal Insert	2930** only (SEE NOTATION)
RAS	Santoprene Insert	30BK, 29BK, 3E3E, BSBS or WSWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2929, 3030, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

**Notes for two-tone finishes:

- 2930 Finish: grip of lever is 32D, balance of lever is 32. Escutcheon and lock finish will be 14.
- 3029 Finish: grip of lever is 32, balance of lever is 32D. Escutcheon and lock finish will be 15.

To order Gramercy Series levers with Sargent products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629.

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Electrical options

ELECTRICAL OPTIONS

The following primary options are available with these additional compatible options.

*AL-	Alarmed Exit	12-, 53-, 55-, 55-ERM-, 58- & 5CH
HK-	Hex Key Dogging	12-, 56-, VLR, 58-
12-	Fire-rated	AL-, HK-, 53-, 55-, 55-ERM-, 56-, VLR, 58-, 59-
16-	Cylinder Dogging	53-, 55-, 55-ERM-, 56-, VLR, 58-
5CH	5lb Pressure Release	55-, 54-, 56-, VLR, 58-, HK-, AL, GL
53-	Latch Monitoring	AL-, 12-, 16-, 54-, 55-, 55-ERM-, 56-, VLR, 58-, 5CH
W53	Weatherized Latchbolt Monitoring	W54, W55, W55-ERM, WH
54-	Lever Monitoring	AL-, 12-, 16-, 53-, 55-, 55-ERM-, 56-, VLR, 58-, 59-, 5CH
W54	Weatherized Lever Monitoring	W53, W55, W55-ERM, WH
55-	Request to Exit	12-, 16-, 53-, 56-, VLR, 58-, 5CH, AL
W55	Weatherized Touch bar Monitoring	W53, W54, WH
55-ERM-	Double Touchbar Monitoring	12-, 16-, 53-, 56-, VLR, 58-, AL-, 5CH-
W55-ERM	Double Weatherized touchbar Monitoring	W53, W54, WH
56-	Electric Latch Retraction	HK-, 12-, 16-, 53-, 54-, 55-, 55-ERM-
58-	Electric Dogging	AL-, HK-, 12-, 16-, 53-, 55-, 55-ERM-, 5CH
**59-	Self Contained Delayed Egress	12-
VLR-	Latch Retraction Override (not available 58-, 59-, AL, W53-, W54- & W55-)	
WH-	Weep holes	W53 W54, W55, W55-ERM, WH

* The AL- design includes monitored push rail
** The 59- design includes monitored push rail and latch

AL- ALARM OPTION

SARGENT exit devices with the alarm option are designed for areas requiring a stand-alone alarm on outward swinging doors. This device contains an internal battery and the alarm is integrated in the push rail to discourage the unauthorized use of emergency exit doors. The alarm inside the rail sounds immediately upon exit. The PE80 Series is ideal for rear exterior doors, doors leading to a rooftop, or anywhere security is a concern. Warning Decal "EMERGENCY EXIT-ALARM WILL SOUND" provided.

Minimum door widths:

- Wide stile door 32"
- Narrow stile door 31"

Note: Also available as hard wired option (9VDC, 300mAh). Use optional accessories to configure (546 Wiring Harness)

OPTIONAL ACCESSORIES

546 Wiring Harness (see page 113)

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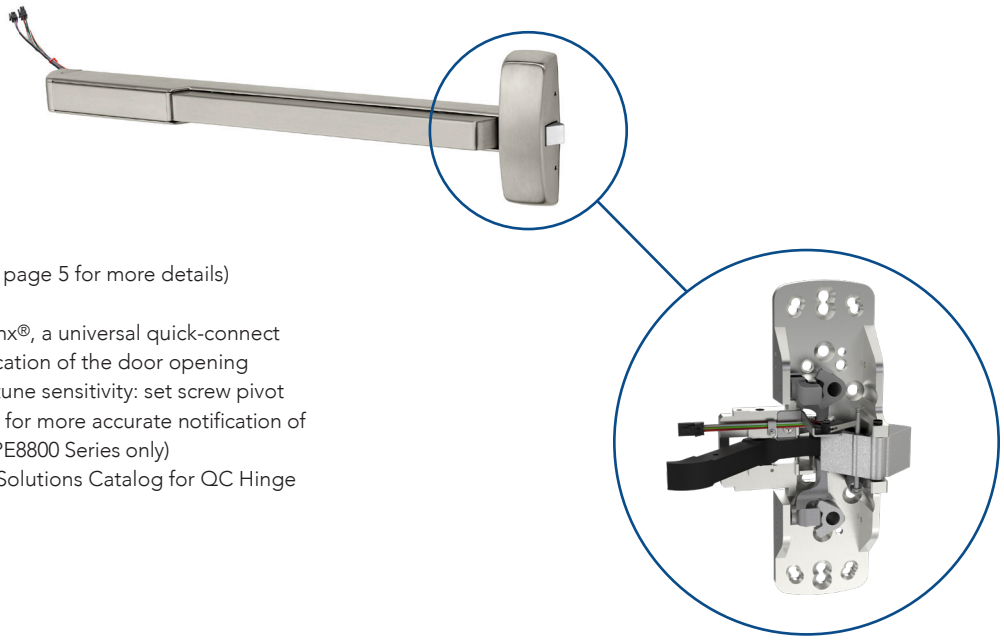
Electrical options (cont.)

53- LATCH BOLT MONITORING

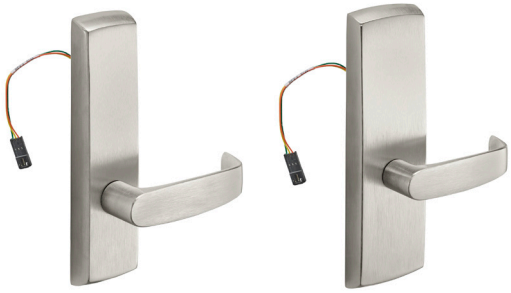
The latchbolt monitoring option detects when the latch is moved, not just rail movement sensing. The monitor switch is activated when the rail is depressed or when there is movement of the latch and can be used to send a notification to the building's security system.



- Switch type SPDT form "C" con
- 30VDC@2 Amp. maximum rating
- Wires are routed thru the rail (See page 5 for more details)
- Available for all door widths
- Includes ASSA ABLOY's ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening
- Adjustable switch bracket to fine tune sensitivity: set screw pivot bracket allows precise adjustment for more accurate notification of latchbolt movement (PE8500 and PE8800 Series only)
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements

54- LEVER MONITORING

The lever monitoring option identifies when the lever is rotated. When this happens, the monitor switch is activated and can be used to send a notification to the building's security system.



- Available with Wide or Narrow stile trim
- Requires P700 trim with these functions 06, 13, 15, 73, 74, 75 and 76
- Requires a McKinney QC8 Hinge for 54-
- Wires are routed thru the rail (See page 5 for more details)
- Switch type SPDT form "C" contacts
- 30VDC @ 2 Amp. maximum rating
- Monitors lever rotation, can be incorporated into alarm systems or in conjunction with an electromagnet
- Includes ASSA ABLOY's ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening
- Not available with Freewheeling Trim

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Electrical options (cont.)

55- REQUEST TO EXIT (TOUCHBAR MONITORING)

The Request-to-Exit option provides includes a signal switch to monitor if push rail is depressed. The switch can be used to activate a variety of features, such as sound and alarm, initialize a delay egress system, or de-energize an electromagnetic lock.

Switch type SPDT form "C" contact
- 30 VDC@2 Amp. maximum rating
- All wires run through rail
- Available with all PE Series devices, except for FM-PE8700
- See page 85 for compatible options

Minimum Door Widths:
- Wide Stile Door 26"
- Narrow Stile door 26"

See McKINNEY Transfer Device Solutions Catalog for QC Hinge and cable requirements.

55-ERM DOUBLE TOUCHBAR MONITORING

The Double Touchbar Monitoring option provides two independent switches to monitor if push rail is depressed. This option can be used when integration to security and/or access control system requires separate switches.

Switch type SPDT form "C" contact
- 30 VDC@2 Amp. maximum rating
- All wires run through rail
- Available with all PE Series devices, except for FM-PE8700
- See page 85 for compatible options

Minimum Door Widths:
- Wide Stile Door 26"
- Narrow Stile door 26"

See McKINNEY Transfer Device Solutions Catalog for QC Hinge and cable requirements.

55- TOUCHBAR MONITORING RETROFIT KIT

- Available for all rail sizes.
- Compatible with 53- and 54- options.
- Kit includes the harness assembly.

Kit #	Option	Rail Size	Compatible Options
PE-2958	55-	E/F	53-
PE-2959		J/G	53-
PE-2960		E/F	53-54-
PE-2961		J/G	53-54-
PE-2962	55-ERM	E/F	53-
PE-2963		J/G	53-
PE-2964		E/F	53-54-
PE-2965		J/G	53-54-

Note: The 55- retrofit harness is available with 53- and 54- option compatibility.
53- (Latchbolt Monitoring) chassis assemblies and
54- (ET Lever Monitoring)

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Electrical options (cont.)

WEATHER RESISTANT

Rain-Resistant Weatherized Exit Device

Snow-Resistant Weatherized Exit Device

Weatherized Exit Device

Weather Resistant Rim Exit Devices is available with switches option. Designed to withstand environmental elements for doors or gates used in outdoors or in moist environments that require switch monitoring

In addition to standard BHMA and UL testing, these Weather Resistant switch options were tested to the following standards to Mil 810F(G), 509.4 - Salt Fog, Mil 810F(G), 506.4 - Driving Rain Procedure 1, UL 1034 Temperature Section 34. and UL 1034 Dust Section 54.

Switch options available:

- W53 Weather Resistant Latchbolt Monitoring
- W54 Weather Resistant Lever Monitoring
- W55 Weather Resistant Touchbar Monitoring
- W55-ERM Weather Resistant Double Touchbar Monitoring

Available finishes:

- 03, 04, 09, 10, BSP, 10BE, 10BL, and WSP.
- For 32D and 26D Weather Resistant finishes must be order as 32DCP and 26DCP Clear Powder Coat.

Weatherized Switches and Weep Holes are available with all the mechanical options for PE8800 and PE8500 only.

How To Order:

WH- W53- PE8810 F 32DCP RHR 36

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Electrical options (cont.)

56- ELECTRIC LATCH RETRACTION

The Electric Latch Retraction exit device option (56-) is the perfect choice for high traffic entrance and exit doors that require remote unlocking or remote dogging. It utilizes a latch retraction motor ensuring quiet operation which is ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner. The 56- allows the exit device to be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can even be dogged continuously on fire-rated devices that are tied into the building's fire detection system.

Key Features

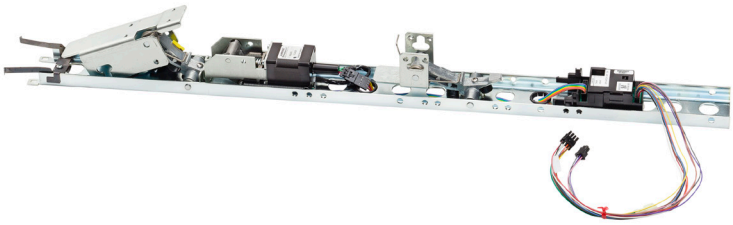
- Motor driven latch retraction for smooth, precise operation
- Amount of rail retraction is automatically controlled by the 56- circuitry; System actively monitors its position and adjusts itself
- Digital retraction timer (0-20 seconds; factory setting is 5 seconds)
- Non-contact Request-to-Exit (55-) switch available
- Standard electric hinge - no special power transfer required
- Wires are routed thru the rail (See page 5 for more details)
- Field serviceable -modular design
- Can be used for continuous and intermittent use
- UL Listed for Class II Circuitry
- Current draw: .65A during retraction and .2A maintained in dogged hold position
- Requires 1A at 24VDC regulated/filtered power supply
- Minimum Door Widths:
  - Wide Stile Door 28"
  - Narrow Stile Door 28"
- Includes ASSA ABLOY's ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- 5 year warranty

Note: HK- and 16- are not available for Fire Rated Doors

Note: The 56- option is not supplied with Manual Dogging (Hex Key or Cylinder Dogging) unless specified

P56 ELECTRIC LATCH RETRACTION RETROFIT KIT

Available for E, F, G and J rail sizes.



Minimum Door Widths:

- Wide Stile Door 28"
- Narrow Stile Door 28"
- Available with 53-, 54-, 55-, 55-ERM and 5CH options

How to order:

Options	Kit #	Rail Size	Stile
55-P56FW	P56	F	W

Kit Includes: Carrier Assembly (includes motor assembly and controller) and dogging slope plug for hex key devices

OPTIONAL ACCESSORIES

LSP-12-24 Power Supply (see page 114)

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Electrical options (cont.)

VLR - LATCH RETRACTION OVERRIDE

The VLR option provides a robust lockdown solution for high-occupancy areas, ensuring both security and free egress in emergencies. VLR provides for a manual override of motorized electric latch retraction, offering enhanced security during critical situations.

- VLR allows for immediate manual lockdown by overriding the latch retraction, ensuring that the door is secure from unauthorized entry while maintaining free egress.
- Equipped with easy-to-read visual indicators, the device shows a red, backlit, 'secure' window when locked, providing instant feedback to occupants and first responders.

Lockdown can be activated with a simple turn of the key or thumb turn, overriding the latch retraction mechanism to secure the door.

Minimum Door Widths:

- Wide Stile Door 30"
- Narrow Stile Door 30"

Note: Rings and Collars will be required for proper operation for cylinders other than the standard 42

Note: Must be ordered with the 56- option

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Electrical options (cont.)

58- ELECTRIC DOGGING

Libraries, auditoriums, theaters, courtrooms, churches and schools benefit from the convenience of electric dogging (unlocking). When the exit device is energized and the push rail is depressed, it will continuously hold the push rail down and the latch(es) will be held retracted.

When the device is de-energized or power is interrupted, the latch(es) will extend. This feature is ideal for areas that require the silent operation of exit device hardware.

Features

- Wires are routed thru the rail (See page 5 for more details)
- Provides quiet ingress and egress when dogged
- Standard electric hinge - no special power transfer required
- Manual hex key dogging provided on non-fire-rated devices
- UL Listed for Panic and Fire (12-)
- Holding force 70 lbs. min.
- Power Requirements: 24VDC regulated/filtered power supply
- Current draw: 0.2 Amp
- Not available on FM-PE8700 devices
- Available for all door widths
- See McKinney's Transfer Device Solutions Catalog for QC Hinge and cable requirements

OPTIONAL ACCESSORIES

LSP-12-24 Power Supply (see page 114)

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Electrical options (cont.)

59- ELECTROGUARD® SELF CONTAINED DELAYED EGRESS

The 59- sounds an alarm within the rail when the exit device push pad is pressed down, in order to alert personnel that someone is attempting to exit. The exit device is preset to remained locked for 15 seconds (field adjustable to 5, 10, 20 or 40 seconds), allowing time for authorized personnel to respond. This can be done by inserting a key into the cylinder on the rail or via a remote location. When the connected fire alarm system is activated, the exit device disarms and allows immediate egress.

Specifications

- Rod guards must be used on surface vertical rod devices. Consult factory for more information
- Not available with hex key dogging
- Standard size 41 mortise cylinder in rail
- Field adjustable momentary time delay preset for five seconds at factory
- 80DB horn enclosed in rail assembly
- Uses standard electric hinge - no special power transfer required
- Wires are routed thru the rail (See page 5 for more details)
- Guarded and monitored latch and rail standard
- Power requirements: 1A @ 24VDC regulated/filtered power supply
- Key override capabilities
- Rail projects 1/2" more than standard rail (see page 73)
- Current draw: 0.3 Amp Nominal, 0.9 Amp (max) with optional features

Minimum door widths:

- Wide stile door 31"
- Narrow stile door 29"

- Ability to gang up to 12 doors
- Shipped with decal "emergency exit only. Push until alarm sounds. Door can be opened in 15 seconds"
- Includes ASSA ABLOY's ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening
- See MCKINNEY'S transfer device solutions catalog for QC hinge and cable requirements

Installation and maintenance

- Diagnostic LEDs on PC board for easy troubleshooting

Compliance

- Conforms to NFPA 101 special locking arrangements
- Available in UL listed panic and fire-rated (12- option) devices
- UL294 listed for special locking arrangements
- ULC S533 listed for egress door securing and releasing devices

Operation

- Depressing the push rail for one second or longer initiates an alarm
- LED visual notification system for easy identification of armed device; LED lights are field-selectable as red or green
- Momentary or maintained egress with key or from a remote location
- Alarm disabled by key in the rail or by remote reset
- Alarm sounds for 15 seconds during unauthorized egress attempt; after 15 seconds lock releases. 5, 10, 20 or 40 second option available
- Field adjustable nuisance delay (0 or 1 second)
- External inhibit features with authorized egress, card reader access and scheduled delayed egress from access control panel
-

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Mechanical options

Certifications	12-	Fire Rated
	FM-	FEMA Rated
	HC-	Hurricane Rated
	WS-	Windstorm Rated
Cylinder	LC-	Less Cylinder
Dogging	16-	Cylinder Dogging
	LD-	Less Dogging
Door Type	AD-	Aluminum Doors
	MD-	Metal Doors
	WD-	Wood Doors
	31-	Thick Doors
End Cap	OL-	Overlap End Cap
Fasterners	36-	Security Fasteners
	TB-	Thrubolts
Finish Protection	CPC-	Clear Powder Coat
	SG-	MicroShield
Indicator	18-	Passive Dogging Indicator
	49-	Trim Status Indicator
Latching	14-	Dropdown Bottom Latchbolt (PE8700 only)
	GL-	Guarded Latch
	NB-	Less Bottom Rod
Photoluminescence	PL-	Photoluminescent
Rail Force	5CH-	5lb Pressure Release
Strikes	23-	Mortise Strike (908 strike)
Tactile Warning	76-	Tactile Warning - Milled Outside Lever
	85-	Tactile Warning - Abrasive Strip on Rail
	86-	Tactile Warning - Abrasive Coating on Outside Lever
	87-	Tactile Warning - Abrasive Strip on Rail & Abrasive Coating on Outside Lever

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Mechanical options (cont.)

PL- PHOTOLUMINESCENCE

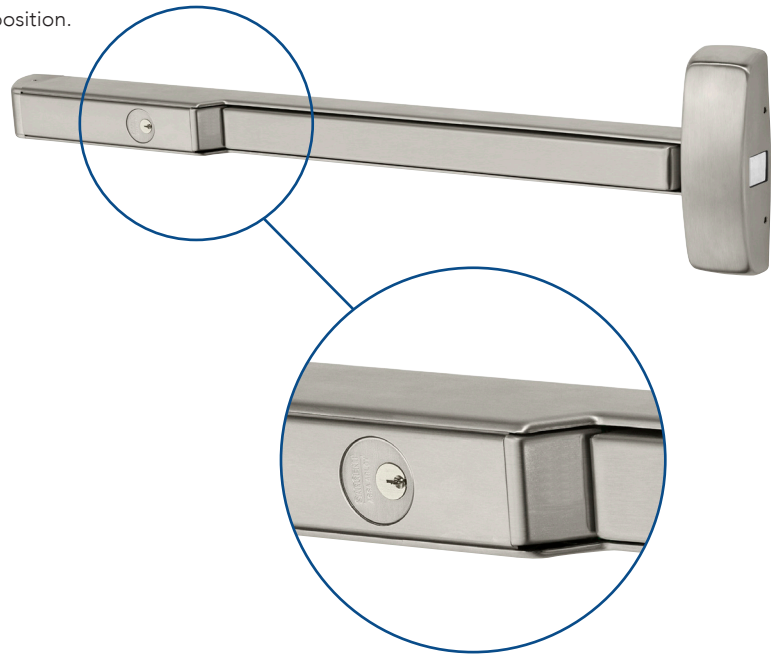
SARGuide® – photoluminescent push is a non-electrical option which provides visibility in darkness or low light areas.

- Approved for use in New York City in accordance with RS 6-1 and RS 6-1A
- Recharges from ambient light
- No wiring or maintenance needed
- Available for all door widths

16- CYLINDER DOGGING

Located in the rail insert, cylinder locks the rail in retracted position.

- #41 mortise cylinder included
- Requires a 27" minimum door width
- Not available with Fire-rated, FM-PE8700, 59- and AL-



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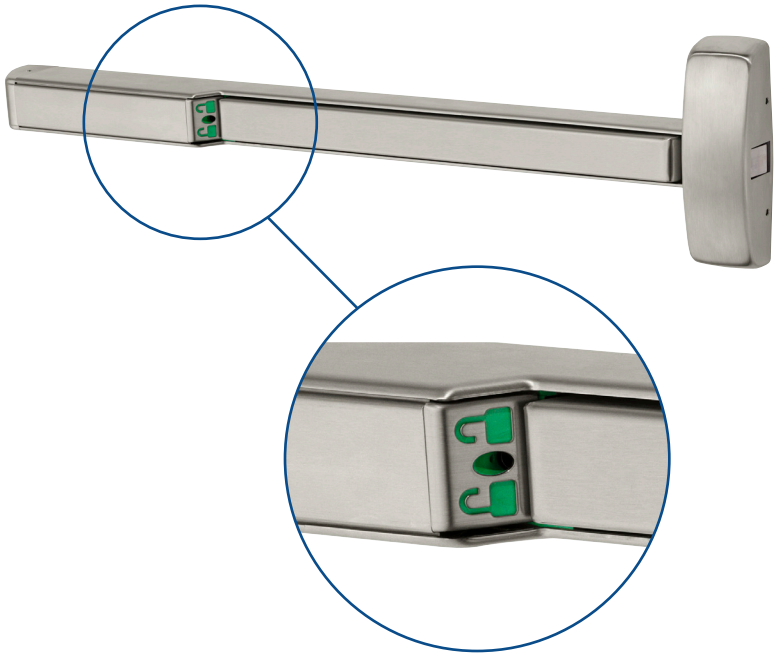
Mechanical options (cont.)

18- PASSIVE DOGGING INDICATOR

- Unlocked green padlock icon displayed when pushpad is in dogged position
- Indicates dogging status in a subtle way
- Visible from a distance
- Not available with Fire rated devices.



49- TRIM STATUS INDICATOR

- Displays whether the outside trim has been secured by the inside cylinder
- Used on functions when key outside retracts latch and key inside unlocks/locks trim
- Available on PE8816, PE8866 and PE8867 functions only
- Red icon indicates locked
- Green icon indicates unlocked
- Must be ordered less dogging (LD-)
- Uses #44 mortise cylinder

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Mechanical options (cont.)

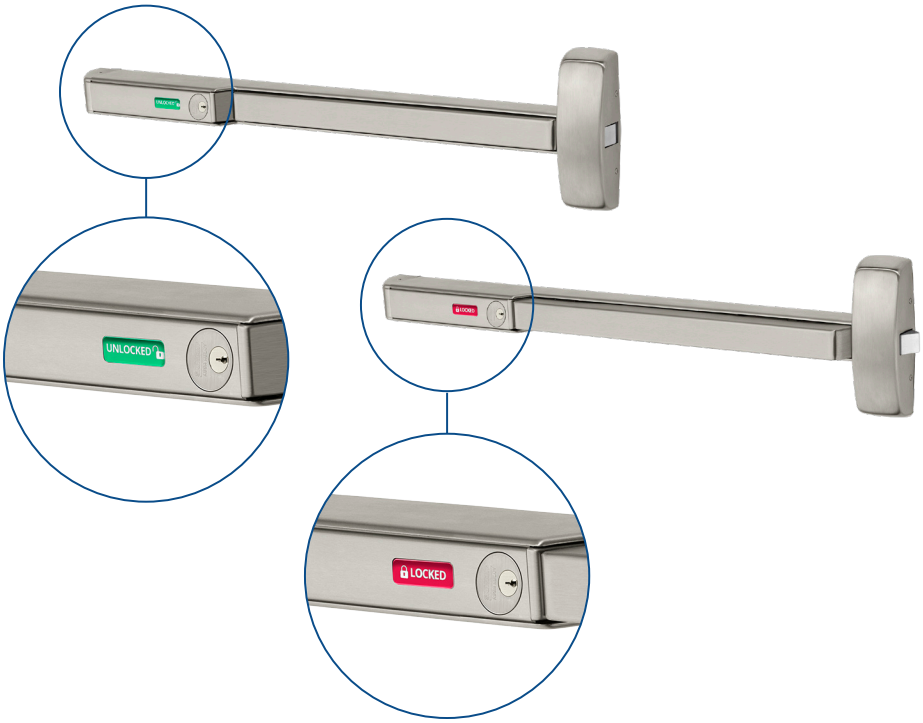
ACTIVE DOGGING INDICATOR

Applications

The Active Dogging Indicator enables facility managers to check door status from within the room, reducing the time needed to confirm the security of each door through easily visible visual confirmation.

During lockdown conditions, the thumb turn cylinder option offers a streamlined method for securing doors in high-stress situations. Additionally, there's an engraving option available, featuring the word "Lock" accompanied by a directional arrow, designed specifically for areas with high occupancy.

- Auditoriums
- Cafeterias
- Gymnasiums
- Hospitals



Features

- Active Dogging Indicator is available with:
  - Hex Key Dogging Indicator
  - Cylinder Dogging Indicator
  - Thumb turn Indicator
- Larger viewing window
- Highly reflective coating indicator to increase visibility in low-light conditions
- Uses mortise cylinder for Cylinder Dogging

Function and Options

- Available to standard rail functions for Narrow (PE8300, PE8400 and PE8500) and Wide Stile (PE8600, PE8700, PE8800 and PE8900) exit devices.
- Available with Electrical Options 53-, 54- 55- and 55- ERM
- Not available with 12-, 56-, VLR, 58-, 59-, 85-, 87- & AL. Consult factory for BR-, SC- and SE-.
- Compatible with 124, 125, 126 and 127 Thumb Turn Mortise Cylinders. Utilizes 1-1/8" (41) Length.

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Mechanical options (cont.)

INDICATOR OPTION CODES

Active Dogging Indicator Option Codes		
Option	**Description**	
V01	Single Indicator Inside - Unlocked/Locked - Green/Red	
V03	Single Indicator Inside - Icons Only - Green/Red	
V04	Single Indicator Inside - Unlocked/Locked - White/Red	
V06	Single Indicator Inside - Icons Only - White/Red	
EMD	Inside Engraving with "Lock" and Directional Arrow	
French Indicator Option Codes		
V01F	Single Indicator Inside – Ouvert/Fermé – Green/Red	

ENGRAVING OPTIONS

Engraving is available as EMD option code for all functions when ordered with Active Dogging Indicator Exit Devices.

- Laser engraving with "LOCK" and directional arrow
- Only available in the following finishes: 03,04,32,32D
- Door handing must be specified

HOW TO ORDER EXAMPLES

Device with trim

Active Dogging Indicator	Options (Cylinder/ Mechanical/ Electrical)	Device Type	Function Rail Size Trim	Trim	Finish - Trim	Hand	Optional Strikes	Finish- Device	Door Width	Opening Height	AFF
Hex Key[1]	V01	PE8704	F	WEL	26D	RHR	655	32D	36	Specify	Specify
Cylinder Dogging[1,2]	V01 16-										
Thumb Turn[1,2,3]	V01 16- LC-										

Device only

Active Dogging Indicator	Options (Cylinder/ Mechanical/ Electrical)	Device Type	Function Rail Size Trim	Hand	Finish	Door Width
Hex Key[1]	V01	PE8810	F	RHR	32D	36
Cylinder Dogging[1,2]	V01 16-					
Thumb Turn[1,2,3]	V01 16- LC-					

1 Handing must be specified
2 16- Cylinder Dogging includes #41 mortise cylinder standard. #42 and 43 mortise cylinder sizes available.
3 LC, must order 120 Thumb Turn Series or cylinder separately. Order example: 124-41 32D Reference to cylinder catalog.

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Mechanical options (cont.)

THRUBOLT (TB) APPLICATIONS

- Used on rail and chassis
- Used on case and guides (if applicable)
- Not available with PE8400

Device	Location	Qty.	Door Thickness	
			1-3/4"	2-1/4"
PE8700	Rail & Chassis	4	68-2279	68-2280
	Cases & Guides	10	68-2282	68-2283
12-PE8700 HC-PE8700 HC4-PE8700	Rail, Chassis, Cases, & Guides	16	68-2288	68-2289
NB-PE8700	Rail, Chassis, Case, & Guides	12	68-3943	68-2289
PE8600 PE8800 PE8900	Rail & Chassis	4	68-2279	68-2280
PE8300	Rail & Chassis	4	68-2521	68-2570
PE8500	Rail & Chassis	4	68-2510	68-2511

PE8300

PE8500

PE8600

PE8700

PE8800

PE8900

12-PE8700
HC-PE8700
HC4-PE8700

NB-PE8700

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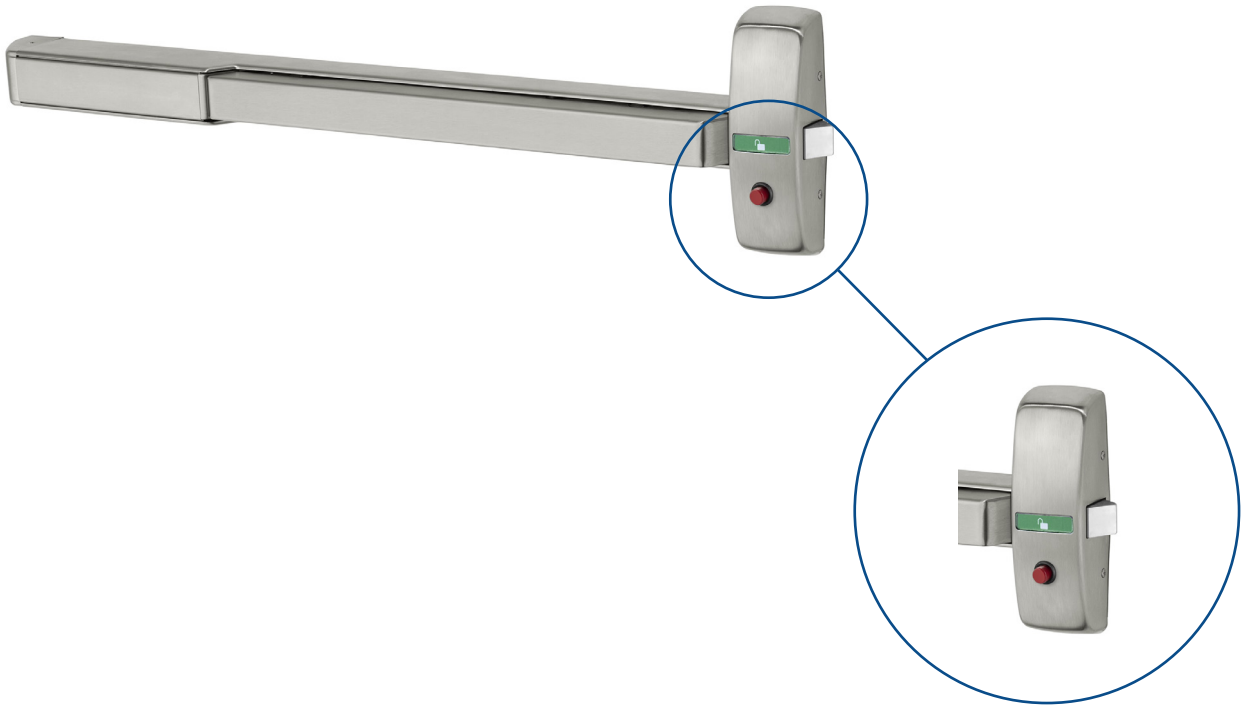
Mechanical options (cont.)

SHELTER PE8867 FUNCTION



Fast and easy lockdown option that disables the trim by making it freewheel instead of retracting the latch. Allows for anyone to place the device into a lockdown mode during and emergency situation.

- Bright red button is easy to identify quickly and easy to push.
- Available with the 49- indicator option which provides clear indication of the shelter in place status.
- Perfect for providing increased safety to higher capacity educational, health care and office spaces.
- Exiting the room/pushing on the push pad, and/or utilizing the override cylinder will return the device to normal operation.
- Compatible with wide and narrow stile trims.
- Trim allows access at all times except when disabled by the shelter function, causing it to freewheel.

Not available with: 18-, 16-, 53-, AL-, GL-, WH, 5CH, HC, Weather Resistant Options

Must be ordered with "LD" option - Not compatible with any dogging options

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Mechanical options (cont.)

THICKER DOORS SPECIFICATIONS

Convenient for applications requiring durability, improved insulation, and resilience to heavy use.
Door thicknesses above standard 1-3/4" available over 2.5" to 5" thick based on function limitation below:

Device with Trim

Device	Stile	Function	Door Thickness
RIM	Narrow	PE8504	Up to 2.5"
	Wide	PE8804	
		PE8816	
		PE8875	
		PE8876	
	Narrow	PE8506	Up to 5"
		PE8510	
		PE8513	
		PE8515	
		PE8573	
		PE8574	
	Wide	PE8806	
		PE8810	
		PE8813	
		PE8815	
		PE8873	
		PE8874	
SVR	Wide	PE8706	
		PE8710	
		PE8713	
		PE8715	
		PE8773	
		PE8774	

Note: Must specify 31- Option and Trim
How to order:
31- PE8810 F NEL RHR 32D 5"

Device with Auxiliary Control

Exit Device	Stile	Trim Function	Aux Controls	Door Thickness
SVR	Wide	PE8710	P306/P313	Up to 4.75"
		PE8773	P306	
		PE8774		

Note: Must specify 31- Option and Auxiliary Control.
How to order:
31- PE8710 P306 F RHR 32D 84" 5"

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Cylinder options

Conventional Cylinder	How To Specify	SARGENT Conventional Cylinders Supplied Standard (Unless Otherwise Specified)
Degree Key System	DG1-	Sargent degree key system level 1 (bump resistant with patented keys)
	DG1-21-	Degree level 1 construction master keying
	DG1-60-	Degree level 1 removable disposable construction core
	DG1-63-	Degree level 1 removable core
	DG1-64-	Degree level 1 removable construction keyed LFIC
	DG1-65-	Degree level 1 unassembled/uncombined core
	DG2-	Sargent degree key system level 2 (geographically exclusive; bump and pick resistant)
	DG2-21-	Degree level 2 construction master keying
	DG2-60-	Degree level 2 removable disposable construction core
	DG2-63-	Degree level 2 removable core
	DG2-64-	Degree level 2 removable construction keyed lLFIC
	DG2-65-	Degree level 2 unassembled/uncombined core
	DG3-	Sargent degree key system level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree level 3 construction master keying
	DG3-60-	Degree level 3 removable disposable construction core
	DG3-63-	Degree level 3 removable core
	DG3-64-	Degree level 3 removable construction keyed LFIC
	DG3-65	Degree level 3 unassembled/uncombined core
Signature Key System	10-	Sargent signature key system (not available with other key systems)
	10-21-	Sargent signature construction key system (lost ball)
Signature- LFIC	10-63-	Sargent signature large format interchangeable core cylinder (removable)
XC- Key System	11-	XC key system (not available with other key systems unless specified)
	11-21-	XC- construction key system (lost ball)
XC- Large Format Interchangeable Core (Removable Core)	11-60-	Device accept XC- permanent large format interchangeable core, disposable plastic core- provided
	11-63-	Device provided with XC- large format interchangeable core cylinder (includes masterkeying, grand masterkeying)
	11-64-	Device provided with keyed construction core to accept XC- permanent large format interchangeable Core (ordered separately)
XC- Small Format Interchangeable Core	11-70-7P-	Device accept XC- SFIC (7-Pin) XC- permanent cores, plastic disposable core provided
	11-72-7P-	Device accept XC- SFIC (7-Pin keyed construction core provided) cylinder, permanent core ordered separately
	11-73-7P-	Device provided with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P-	Device provided to accept XC- uncombinated 7-Pin SFIC (permanent) Core (packed loose)

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Cylinder options (cont.)

SARGENT
ASSA ABLOY

Conventional Cylinder	How To Specify	SARGENT Conventional Cylinders Supplied Standard (Unless Otherwise Specified)
Construction Key Systems	21-	Sargent Lost Ball Construction Keying for Conventional, XC and Signature Series (- with 63- or 73-)
	22-	Sargent Construction Split Key System for Conventional Cylinders (Existing Systems Only) (with 10-, 11-, 63- or 73-)
Old Style Removable Core	51-	Removable Core Cylinder (Old Style) provided (existing systems only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (existing systems only)
Large Format Interchangeable Core (Removable Core)	60-	Device to accept Sargent Permanent Large Format Interchangeable Core, Disposable plastic Core provided (Permanent Cores ordered separately)
	63-	Device provided with Large Format Interchangeable Core Cylinder (Includes masterkeying, grand masterkeying)
	64-	Device provided with Keyed construction core to accept Permanent Large Format Interchangeable Core (ordered separately)
Small Format Interchangeable Core	70-	Device to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-	Device to accept 6- or 7-Pin SFIC (6-Pin Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)
	73-	Device provided with 6-Pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Device provided to accept Uncombinated 6-Pin SFIC (Permanent) Core (Packed Loose for field keying)
	65-73-7P-	Device provided to accept Uncombinated 7-Pin SFIC (Permanent) Core (Packed Loose for field keying)
	73-7P-	Device provided with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying)
Keso & Keso F1	81-	Device provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores ordered separately)
	82-	Device provided with Sargent Keso Security Cylinder
	F1-82-	Device provided with Sargent Keso F1 Security Cylinder (Patented)
	83-	Device provided with Sargent Keso Security Removable Core cylinder
	F1-83-	Device provided with Sargent Keso F1 Security Removable Core cylinder (Patented)
	84-	Device provided with Sargent Keso Construction Cores (Permanent Cores ordered separately)
Added Security	BR-	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	LC-	Less Cylinder - Sargent supplies standard blocking rings for 1-1/8" Cylinders (For longer cylinders order collars/rings)
Schlage Keyways	SC-	Schlage C keyway cylinder, 0 bitted (not available with: PE8904, PE8916, PE8944, PE8975, PE8976, PE8866, PE8304, PE8344, PE8375 & PE8376. (Contact factory for availability)
	SE-	Schlage E keyway cylinder, 0 bitted (not available with: PE8904, PE8916, PE8944, PE8975, PE8976, PE8866, PE8304, PE8344, PE8375 & PE8376.) (Contact factory for availability)
Thumb Turn	127-	127 Series Thumb Turn Lever Mortise Cylinder (Only available with PE8816)

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Cylinder lengths

Cylinder No.	41	42	43	44	45	46	47	48
Cylinder Length	1-1/8"	1-1/4"	1-3-/8"	1-1/2"	1-5/8"	1-3/4"	1-7/8"	2"

		Lever Trim (P700 Series Auxiliary Control)		PTB, PSB, STS, MAL, MSL, FLL, FSL, FLW, FSW	
		Door Thickness		Door Thickness	
	Function	1-3/4" & 2"	2-1/4"	1-3/4"	2-1/4"
Narrow Stile Mortise Exit Device	PE8304	46	48	41	43
	PE8313/PE8343	41	41	Not Available	
	PE8344	46	48	Not Available	
	PE8363	Not Available		41	43
	PE8375/PE8376	46	48	Not Available	
Narrow Stile CVR Exit Device	All PE8400	41	41	Not Available	
Narrow Stile Rim Exit	PE8504/PE8544	34	34	Not Available	
	PE8506/PE8513/PE8543/PE8546	41	41	Not Available	
Concealed Vertical Rod Exit Devices	All AD, MD & WD8600	41	41	Not Available	
Surface Vertical Rod Exit Devices	NB/PE8706/PE8713/PE8743/ PE8746	41	41	Not Available	
	PE8762/PE8763	Not Available		34	34
Rim Exit Devices	PE8804	34	34	34	34
	PE8806/PE8813/PE8843/PE8846	41	41	Not Available	
	PE8816	34/44*	34/44*	Not Available	
	PE8844	34	34	Not Available	
	PE8863	Not Available		34	34
	PE8866	Not Available		34/*44	34/*44
	PE8875/PE8876/PE8877	34	34	Not Available	
Mortise Lock Exit Devices	PE8904	46	48	41	43
	PE8906/PE8913/PE8543	41	41	Not Available	
	PE8916	*34/46	*34/48	Not Available	
	PE8944	46	48	Not Available	
	PE8963	Not Available		41	43
	PE8966	Not Available		*41/34	*43/34
	PE8975/PE8976/PE8977	46	48	Not Available	

* Inside Cylinders

Notes:

- Cylinder sizes & types are limited, as noted: SC- & SE- cylinders are available in size 41
  60-, 63- & 64- cylinders are available in sizes 42, 43, 44 & 46
  70-, 11-70-, 72-, 11-72-, 73- & 11-73 cylinders are available in sizes 43 & 46
- SARGENT supplies standard blocking rings. Specify if using competitor cylinders.
- For rail cylinder sizes & types are limited, as noted #41, 42 and 43

Note: Cylinder Adapter Kit 68-2063 to use with other manufacturer cylinders. Available to be use with PE8500 functions 04 and 44.

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Shim kits

541 SECURITY SHIM KIT

The Sargent 541 Exit Device Security Shim Kit fills the gap between the exit device and the glass creating a flush surface. This kit can be easily trimmed and installed to accommodate most door styles without removing the Sargent push rail exit device. This not only responds to the ever increasing need for improved building security, but also maintains the facility's aesthetic design.

Features and Benefits:

- Available for all device types
- Nylon and brushed aluminum construction can be easily cut and trimmed for custom fit
- Fits all doors up to 48" wide and stiles ranging from 4-1/2" to 6"
- Adjustment shims accommodate gaps from 3/8" to 3/4"
- 6 Lobe tamper proof security screws are included
- T10 Torx driver required for assembly
- Fasteners are countersunk for flush finish
- 541 Kit contains a 48" shim, ready to be sized

P569 FEMA SHIM KIT

The SARGENT P569 Shim Kit is supplied standard with all FM-PE8700 devices.

Includes:

- One chassis shim and one end cap shim
- One interlocking top case shim
- One bottom case shim
- Two rod guide shims
- Each shim is 1/8" thick
- Available on FM-PE8700 only
- Rail shim is provided separately. Order part # PE-0419
- Finish must be specified with order. Available in EB, ED, EN, EP, EAB, & ERD only

Kit #	End Cap
P569-1	Flush
P569-2	Overlapping

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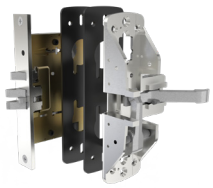
Shim kits (cont.)

GLASS BEAD SHIM KITS - WIDE STILE EXIT DEVICES

- Each shim is 1/8" thick
- Lift lever length must be increased for PE8300 and PE8400
- Lift slide length must be increased for PE8600 and 12-PE8600
- Lift lever length must be increased for PE8900 and 12-PE8900
- Shim thickness must not exceed 1/4" (6mm) on PE8900 and 12-PE8900
- Spindles and thrubolt lengths must be increased on PE8700, 12-PE8700, PE8800, 12-PE8800 exits
- Finish must be specified with order. Available in EB, ED, EN, EP, EAB, & ERD only

Kit #	Device	End Cap
P587-1	PE8700	Flush
P587-2	PE8700	Overlapping
P537-1	12-PE8700	Flush
P537-2	12-PE8700	Overlapping
P589-1	PE8600, PE8800, PE8900	Flush
P589-2	PE8600, PE8800, PE8900	Overlapping



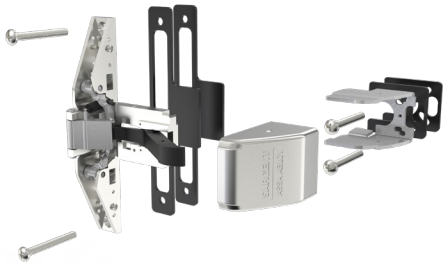
P589

P587 and P537

GLASS BEAD SHIM KITS - NARROW STILE EXIT DEVICES

- Used with PE8300, PE8400, and PE8500 Series devices
- Includes two chassis shims and two end cap shims
- Lift lever length must be increased for PE8300 and PE8400
- Each shim is 1/8" thick
- Finish must be specified with order.
  Available in EB, ED, EN, EP, EAB, & ERD only

Kit #	End Cap
P668-1	Flush
P668-2	Overlapping



P553 END CAP SHIM KIT

- Each shim is 1/8" thick
- To order specify P553 Kit x Finish
- Finish must be specified with order.
  Available in EB, ED, EN, EP, EAB, & ERD only

Kit #	End Cap
P553-1	Flush
P553-2	Overlapping

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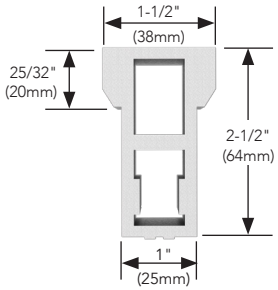
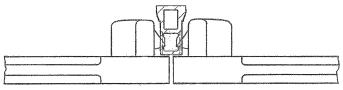
Mullions - aluminum

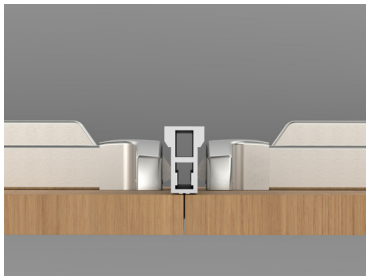
Aluminum Mullions			
Product Designation	650A	980/980A	L980*/L980A*
Description	Removable	Removable	Removable, Lockable
Finishes	Anodized Satin Aluminum (28) Anodized Bronze (10B)	980: Gray Paint (21) 980A: Anodized Satin Aluminum (28) 980A: Anodized Bronze (10B)	L980: Gray Paint (21) L980A: Anodized Satin Aluminum (28) L980A: Anodized Bronze (10B)
Required Backset - PE8500	2"	2"	2"
Required Backset - PE8800	2-3/4"	2-3/4"	2-3/4"
Standard Height	96"	86"	86"
Maximum Optional Height	120"	120"	120"
Above Finished Floor	41" required	39-5/8" standard	39-5/8" standard
Pre-Prepped	658 Strike Included	No	No
Cylinder Size	Not Applicable	Not Applicable	#41
Shape	1-1/2" x 2-1/2"	T Shaped 2-1/2" x 3"	T Shaped 2-1/2" x 3"
Template #	MEDT77	4006	4006
Misc. Information	Includes 651 Stabilizers and embedded Weather Stripping		
Accessories	Top Retainer 94-2050 Bottom Retainer 94-2051	Top Retainer - 511 Bottom Retainer - 502 Narrow Transom Adapter - 507	Mounting Kit (98-2578) Includes: Top Retainer 98-2526 Bottom Retainer 98-2525 Wall Mount - 98-0281 Cylinder Kit 980C1* Latchbolt Assembly Kit - RK980

* Cylinder Kits must be ordered separately

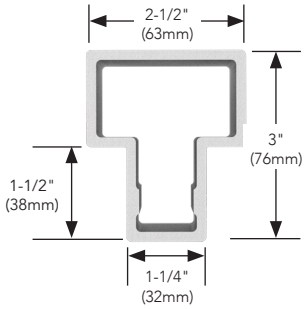
650A Mullion

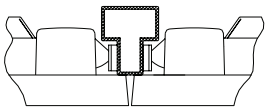


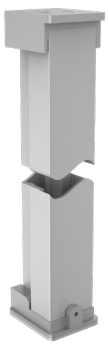




980/980A Mullion and L980/L980A Lockable Mullion







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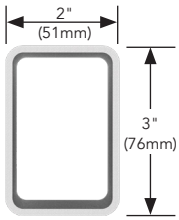
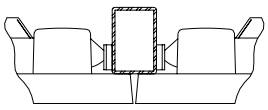
Mullions - steel

	980S	12-980	L980S*	12-L980	HC980	HCL980*	12-HD980*
Description	Standard	Fire Rated	Lockable	Fire Rated, Lockable	Hurricane Rated	Lockable, Hurricane Rated	Heavy Duty
Fire-rated	No	Yes	No	Yes	Specify 12-HC980	Specify 12-HCL980	Yes
Fire-rated Max Height	N/A	96"	N/A	96"	96"	96"	120"
Finish	Gray Paint (21)						
Required Backset - PE8500	2-3/8"						
Required Backset - PE8800	3-1/8"						
Standard Height	86"	86"	86"	86"	86"	86"	120"
Maximum Optional Height	N/A	120"**	120"	120"**	96"	96"	120"
Pre-Prepped	No	No	No	No	No	No	No
Cylinder Size	Not Applicable	Not Applicable	#41 Standard (#42 & #43 available)	#41 Standard (#42 & #43 available)	Not Applicable	#41 Standard (#42 & #43 available)	Not Applicable
Shape	Rectangular 2" x 3"						
Template #	4206	4206	4206	4206	4627	4627	4627
Misc. Information							Includes two piece strikes.
Accessories	Top Retainer - 98-2190 Bottom Retainer - 98-2191 Top Retainer Shim Kit - 601		Mounting Kit (98-2579) Includes: Top Retainer - 98-2559 Bottom Retainer - 98-2556 Wall Mount - 98-0281 Top Retainer Shim Kit - 601 Cylinder Kit - 980C1*		Top Retainer Pack - 98-2599 Bottom Retainer Pack - 98-2600 Top Retainer Shim Kit - 601	Top Retainer Pack: 98-2594 Bottom Retainer Pack: 98-2593 Top Retainer Shim Kit - 601 Cylinder Kit - 980C1*	Top Retainer Pack - 98-2599 Bottom Retainer Pack - 98-2600 Top Retainer Shim Kit - 601

*Cylinder Kits must be ordered separately.

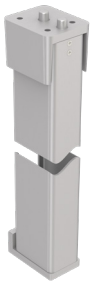
** Must be cut to 96" in field to maintain fire rating





980S/12-980

L980S/12-L980S



HC980/12-HC980/12-HD980

HCL980/12-HCL980

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Split mullions - steel

Product Designations	SM980S	SML980S	SMEL980
Description	Standard Mullion	Lockable	Electrical Lockable
Material	Steel	Steel	Steel
Finish	Gray Paint	Gray Paint	Gray Paint
Stk Size	96"	96"	96"
Max Stk Height	96"	96"	96"
Pre-prepped	No	No	No
Cylinder Size	Not Required	#41 Std (#42 & #43 available)	#46 Only
Shape	Rectangular 2" x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"
Misc. Information	Not fire rated	Not fire rated	Not fire rated
Accessories	Top Ret Pack - 98-2190 Bottom Ret Pack - 98-2191 Top Retainer Shim Kit - 601	Wall Mounting Kit - 98-2579 Top Ret Pack - 98-2559 Bottom Ret Pack - 98-2556 Top Retainer Shim Kit - 601 Cylinder Kit - 980C1* Split Mullion Screw Pack - 98-2029	Top Ret Pack - 98-2558 Bottom Ret Pack - 98-2556 For use with Electric Strikes and Monitoring, Quick Connect Wiring Supplied Cylinder Kit - 980C2* Split Mullion Screw Pack - 98-2029

***Note:** Cylinder Kits must be ordered separately

SM980S/
SML980S

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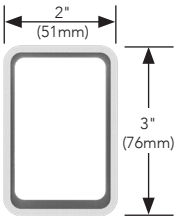
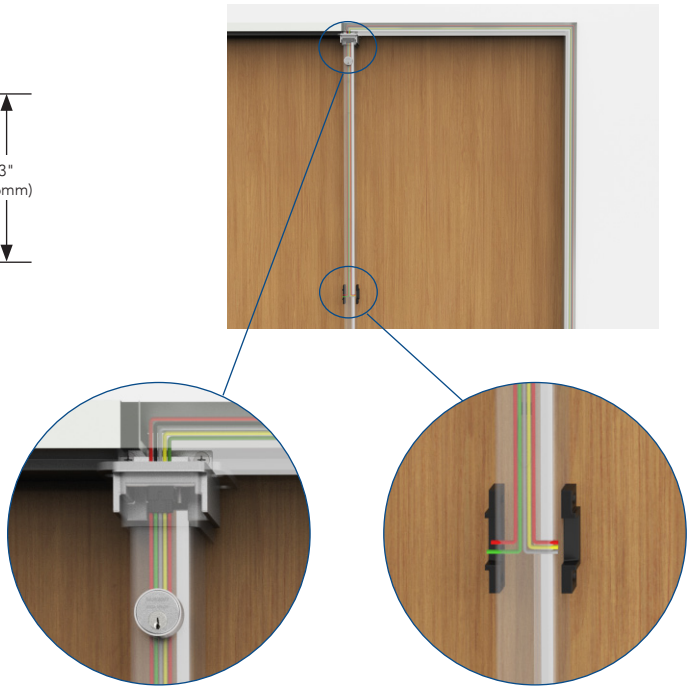
Mullions - steel electrified

	EL980*
Description	Electrified, Lockable
Fire-Rated	No
Finish	Gray Paint (21)
Required Backset - PE8500	2-3/8"
Required Backset - PE8800	3-1/8"
Standard Height	86"
Maximum Optional Height	120"
Pre-Prepped	No
Cylinder Size	#46 only
Shape	Rectangular 2" x 3"
Template #	4206
Misc. Information	For use with Electric Strikes and Monitoring, Quick Connect Wiring Supplied
Accessories	Mounting Kit (98-2580) Includes: Top Retainer - 98-2558 Bottom Retainer - 98-2556 Wall Mount - 98-0281 Cylinder Kit - 980C2*

*Cylinder Kits must be ordered separately.





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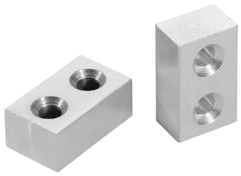
Mullion accessories

RK980 Latchbolt Assembly Kit

- For use with L980 Aluminum Mullion
- Top and bottom retainers provided
- Order as a RK980 Kit

651 Mullion Stabilizer Kit

- Stabilizer block
- Reduces movement in mullion when door is closed/shaken, which could prevent latch from engaging the strike
- Furnished standard w/650A Mullion
- Order as a 651 Kit



507 Narrow Transom Bars Adapter

- Available with 980 and 980A
- Required when soffit is 1-1/4" (32mm) to 2" (51mm) wide
- Order as a: 507 for 980 mullion or 507A for 980A mullion

601 Mullion Shim Kit

- For use with steel mullions
- Includes two shims
- Order as a 601 Kit

LOCKABLE MULLION CYLINDER KITS

980C1 Cylinder Mullion Kit

- L980, L980A, L980S, HC-L980, SM980S, SML980S only
- Available with these options: 10, 10-21-,10-63-, 11-, 11-21-, 11-60, 11-63-, 11-64-, 11-72-7P-, 11-65-73-7P-, 11-73-7P-, 21-, 22-, 60-, 63-, 64-, 70, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82-, F1-82-, 83-, F1-83-, 84-, SC- and SE-
- Includes cylinder and collar
- 32D and 10B finish only

980C2 Cylinder Mullion Kit

- EL980 and SMEL980
- Available with these options: 10, 10-21-, 10-63-, 11-, 11-21, 11-60, 11-63-, 11-64-, 11-72-7P-, 11-65-73-7P-, 11-73-7P-, 21-, 22-, 60-, 63-, 64-, 70, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82- and F1-82-
- Includes cylinder and collar
- 32D finish only

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Mullion accessories

MOUNTING KITS

98-2578
- For use with L980 & L980A mullions
- Includes top & bottom retainers, screw packet, and wall mount bracket
- Order as 98-2578

98-2579
- For use with L980S, 12-L980, SM980S & SML980S mullions
- Includes top & bottom retainers, screw packet, and wall mount bracket
- Order as 98-2579

98-2580
- For use with EL980 & SMEL980 mullions
- Includes top & bottom retainers, screw packet, and wall mount bracket
- Order as 98-2580

TOP RETAINERS

511
- For use with 980/980A mullions
- Order as 511

94-2050
- For use with 650A mullions
- Order as 94-2050

98-2190
- For use with 980S,12-980 & SM980S mullions
- Order as 98-2190

98-2526
- For use with L980 & L980A mullions
- Order as 98-2526

98-2558
- For use with EL980 & SMEL980 mullions
- Order as 98-2558

98-2559
- For use L980S, 12-L980 & SML980S mullions
- Order as 98-2559

98-2594
- For use with HCL980 mullions
- Order as 98-2594

98-2599
- For use with HC980 and 12-HD980 mullions
- Order as 98-2599

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Mullion accessories

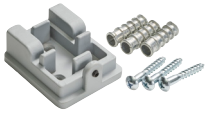
BOTTOM RETAINERS

502
- For use with 980/980A mullions
- Order as 502

94-2051
- For use with 650A mullions
- Order as 94-2051

98-2191
- For use with 980S, 12-980 & SM980S mullions
- Order as 98-2191

98-2525
- For use with L980 & L980A mullions
- Order as 98-2525



98-2556
- For use with L980S, 12-L980 , SML980S, EL980 & SMEL980 mullions
- Order as 98-2556

98-2593
- For use with HCL980 and 12-HD980 mullions
- Order as 98-2593

98-2600
- For use with HC980 mullions
- Order as 98-2600

WALL MOUNTS

98-0281
- For use on all mullions
- Order as 98-0281

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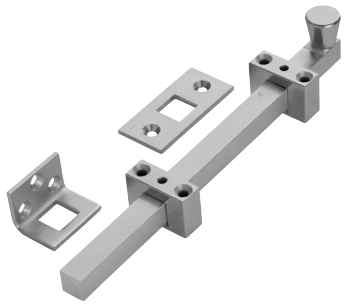
Accessories

988 SURFACE BOLT KIT



- Designed for severe windload (Hurricane Code) environments where surface bolts are required (e.g., on inactive doors)
- Tested to Dade County protocols
- Listed to UL10C for use on fire-rated door assemblies. Refer to codes for locations where surface bolts are allowed on fire doors
- All steel construction for maximum strength and heavy duty use
  - Full 3/4" (19mm) square
  - 12" (305mm) bolt with 1-1/4" (32mm) throw
  - Bright zinc-plated finish
  - Jimmy-resistant design locks bolt automatically when thrown; released by pressing knob toward door while retracting
  - Bolt can be locked in retracted or thrown position
- Angle (L shaped) and mortise strike with mounting hardware supplied standard.
- Order as: 988 Surface Bolt
- Notes:
- Standard size is 12" (305mm) bolt with 1-1/4" (32mm) throw
- Optional sizes available. Specify 988-1 (18") or 988-2 (24") lengths

546 WIRING HARNESS

- Harness allows for remote control of the alarmed exit device
- Remote Alarm Reset–reset from remote location
- External Inhibit – shunts alarm from remote location
- Remote Power – allows unit to be wired to a 9VDC, 300mAh power supply
- Remote Monitor – allows unit to be wired to remote console
- Order as:
  - 546-F - Wiring Harness for F-Size Rails
  - 546-G - Wiring Harness for G-Size Rails
  - 546-J - Wiring Harness for J-Size Rails

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Accessories

LSP-12-24 POWER SUPPLY

Operation

LifeSafety Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. Recommended for the 58-, 56-, 59- exit devices option and electric trim.

Features

- Selectable voltage output between 12V and 24V with a single switch
- Internal Back-Up battery charging circuit *
- Regulated and filtered, fuse protected outputs
- Each output can be individually turned on and off via a jumper
- Power status of each output is shown by an LED
- Rugged steel enclosure
- Fire alarm interface included – Dry contacts NO/NC, 9-33VDC, 3-15mA

Electrical Specifications

- Inputs: 120VAC
- Outputs: 12VDC @ 6 Amp or 24VDC @3 Amp
- 8 Total Outputs

Listings

- UL294, UL603, UL1076
- ULC S318, ULC S319

Applications

- 59- Delayed Egress
- 58- Electric Dogging
- EcoFlex® Electrified Trim
- 56- Motorized Electric Latch Retraction

*Note: Batteries are not included with the power supply

Model No.	DESCRIPTION
LSP-12-24 12V – 6AMP	24V – 3AMP Power Supply

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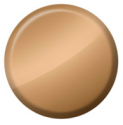
Finishes

EXIT DEVICE FINISHES

SARGENT	ANSI/ BHMA	Description	
03	605	Polished brass, clear coated	
04	606	Satin brass, clear coated	
09	611	Polished bronze, clear coated	
10	612	Satin bronze, clear coated	
10B	613	Oxidized bronze, oil rubbed	
10BE	613E	Dark oxidized satin bronze, equivalent	

SARGENT	ANSI/ BHMA	Description	
10BL	614	Oxidized satin, bronze, clear coated	
32	629	Polished stainless steel	
32D	630	Satin stainless steel	
BSP	—	Black suede powder coat	
WSP	—	White Suede powder coat	

MICROSHIELD®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

MICROSHIELD® COATING

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

agion Nature's antimicrobial The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

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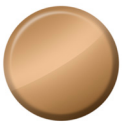
Finishes (cont.)

SARGENT
ASSA ABLOY

TRIM FINISHES

SARGENT	ANSI/ BHMA	Description	
03	605	Polished brass, clear coated	
04	606	Satin brass, clear coated	
09	611	Polished bronze, clear coated	
10	612	Satin bronze, clear coated	
10B	613	Oxidized bronze, oil rubbed	
10BE	613E	Dark oxidized satin bronze, equivalent	
10BL	614	Oxidized satin, bronze, clear coated	
14	618	Polished nickel, clear coated	

SARGENT	ANSI/ BHMA	Description	
15	619	Satin nickel, clear coated	
26	625	Polished chrome	
26D	626	Satin chrome	
32	629	Polished stainless steel	
32D	630	Satin stainless steel	
BSP	—	Black suede powder coat	
WSP	—	White Suede powder coat	

Notes:

- FLW and FSW are not available in 32 or 32D.
- Pulls and thumb piece trims are not available in 14, 15, 26 or 26D except FLW and FSW which are available in 14 and 15.

CYLINDER FINISHES

Trim Finish	Cylinder/Core*
03, 04, 09, 10, 10B, 10BE, 10BL, 20D	04
14, 15, 26, 26D, 32D, WSP	15
BSP	BSP

SPECIAL COATINGS

Descritption	Option code
Clear Powder Coat	CPC
Microshield® antimicrobial coating	SG

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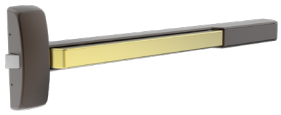
Finishes (cont.)

MIXED FINISHES

SARGENT	Rail Mount, Chassis Cover, End Cap, Dogging Scalp, Insert	Pushbar	
10B04	Oxidized bronze, oil rubbed	Satin brass, clear coated	
32DBSP	Satin stainless steel	Black suede powder coat	
32DERD*	Satin stainless steel	Red powder coat	
BSP04	Black suede powder coat	Satin brass, clear coated	
BSP09	Black suede powder coat	Polished bronze, clear coated	
BSP32D	Black suede powder coat	Satin stainless steel	
BSPERD*	Black suede powder coat	Red powder coat	
WSPBSP	White suede powder coat	Black suede powder coat	

* Available with AL- only

SHIM KIT FINISHES

SARGENT	ANSI/ BHMA	Description	
EB	690	Sprayed bronze enamel or polyester powder coated to match finish 10B	
ED	693	Sprayed black enamel or polyester powder coated to match finish 20D	
EN	689	Sprayed aluminum enamel or polyester powder coated	

SARGENT	ANSI/ BHMA	Description	
EP	691	Sprayed bronze enamel or polyester powder coated to match finish 10	
EAB	696	Bronze enamel or polyester powder coated to be used with brass finishes	
ERD		Red powder coat	

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How to order

Options (Cylinder/ Mechanical	Device Type	Function	Rail Size	Trim	Finish - Trim	Hand	Optional Strike	Finish - Device	Door Width	Opening Height	AFF
56-	HC-PE87	10	F	WEL	15	RHR	655	32DBSP	36	Specify	Specify

Options - Cylinder

See page 101-103

Options - Mechanical & Electrical

12-	Fire Rated
14-	Dropdown Bottom Latchbolt (PE8700 only)
16-	Cylinder Dogging
23-	Mortise Strike (908 strike)
31-	Thick Doors
36-	Security Fasteners
53-	Latch Bolt Monitoring
W53-	Weather Resistant Latchbolt monitoring swith (not available with 59-option)
54-	Lever Monitoring
W54-	Weather Resistant Lever monitoring swith (not available with 59-option)
55-	Rail Monitoring
W55-	Weather Resistant Request to exit - signal switch in rail (not available with 59-option)
55-ERM-	Double Touchbar Monitoring
W55-ERM	Weather Resistant Double Touchbar Monitoring
56-	Electric Latch Retraction
HK-	Electrified Exit Device with Manual Hex Key Dogging
58-	Electric Dogging
59-	Self Contained Delayed Egress
5CH-	5lb Pressure Release
76-	Knurling - Milled Outside Lever
85-	Abrasive Strip on Rail
86-	Abrasive Coating on Outside Lever
87-	Abrasive Strip on Rail & Abrasive Coating on Outside Lever
AD-	Aluminum Doors
AL-	Alarmed Exit
CPC-	Clear Powder Coat
FM-	FEMA Rated
GL-	Guarded Latch
HC-	Hurricane Rated
LC-	Less Cylinder
LD-	Less Dogging
MD-	Metal Doors
NB-	Less Bottom Rod
OL-	Overlap End Cap
PL-	Photoluminescent
SG-	MicroShield
TB-	Thrubolts
VLR-	Latch Retrction Override
WD-	Wood Doors
WH-	Weep Holes
WR-	Wire Harness with device*
WS-	Windstorm Rated

* - Cannot be used as option for trim

Device

PE83	Mortise - Narrow Stile
PE84	CVR - Narrow Stile
PE85	Rim - Narrow Stile
PE86	CVR - Wide Stile
PE87	SVR - Wide Stile
PE88	Rim - Wide Stile
PE89	Mortise - Wide Stile

Function

04	Night latch-key retracts latch
06	Key unlocks trim
10	No outside operation
13	Key outside unlocks/locks trim
15	Passage only
16	Key outside retracts latch; key inside unlocks/locks o/s trim
28	Passage only
40	Freewheeling trim - no outside operation (dummy trim)
43	Freewheeling trim - key outside unlocks/locks trim
44	Freewheeling trim - key retracts latch
46	Freewheeling trim - key unlocks trim
62	Key unlocks thumbpiece
63	Key outside unlocks/locks thumbpiece
66	Key outside retracts latch; key inside unlocks/locks trim
73	Electrified lever trim - fail safe power off, unlocks lever
74	Electrified lever trim - fail secure power off, locks lever
75	Electrified lever trim - fail safe power off, unlocks lever
76	Electrified lever trim - fail secure power off, locks lever
88	Multi-Function Exit Device (PE8800 only)
93	Decorative, Static Pushbar
95	Active Dummy Rail

Rail Size

E	26" to 32" (66 cm to 81 cm)
F	32.5" to 36" (84 cm to 91 cm)
J	36.5" to 42" (94 cm to 107 cm)
G	42.5" to 48" (110 cm to 122 cm)

Trim

FLL/FSL	Pull Trim
FLW/FSW	Pull Trim
MAL/MSL	Pull Trim
STS	Pull Trim
PTB/PSB	Pull Trim
802-PTB	Cover Plate
821	No Protective Lip & No Cylinder
824	Protective Lip & Cylinder
826	No Protective Lip & Cylinder
827	Protective Lip & No Cylinder
862	10" Pull (4" wide)
863	18" Pull
864	10" Pull (3-1/2" wide)
P700 NEx	Narrow Stile Lever Trim
P700 WEx	Wide Stile Lever Trim
P100	CVR Auxiliary Control
P300	SVR Auxiliary Control
Levers	See pages 78-83

Finish - Trim (See page 116)

Hand

LHR	Left Hand Reverse
RHR	Right Hand Reverse

Strikes

604	Wear plate
606	Bottom strike
613	Half mortised strike
624	Bottom strike
639	Top strike
640	Top and bottom strike
642	Mortised strike
644	Door pairs w/o mullion
646	Top strike
649	Surface strike
650	Top strike
652	Top and bottom strike
653	Bottom strike
654	Top strike
655	Bottom strike
656	Surface strike
657	Blade stop strike
658	650A mullion strike
659	Top strike
C908	Curved lip strike
815	Open back strike
908	Flat lip strike

Finish - Device (See page 115 and 117)

Door Width

Specify

Opening Height

Specify

AFF

Specify

Status Indicators

18-	Passive Dogging Indicator
49-	Trim Status Indicator
V01	Single Indicator Outside - Unlocked/ Locked - Green/Red
V03	Single Indicator Inside - Icons Only - Green/Red
V04	Single Indicator Inside - Unlocked/ Locked - White/Red
V06	Single Indicator Inside - Icons Only - White/Red
EMB	Inside Engravign with "Lock" and Directional Arrow
V01F	Single Indicator Outside - Ouvert/ Fermé - Green/Red

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How to order (cont.)

SARGENT
ASSA ABLOY

HOW TO ORDER WITH GRAMERCY SERIES LEVERS

						Gramercy Lever information									
Options	**Series**	**Function**	**Rail Size**	**Trim**	**Trim Finish**	**Lever**	**Trim - Finish**			**Hand**	**Optional Strike**	**Device Finish**	**Door Width**	**Opening Height**	**AFF**
						Leather insert	Bright stainless steel with brown leather			RHR RH, LHR, or LH				For vertical rod devices	Above Finished Floor
10-	PE87	73	F	B	BSP	RAL	29	BN	29	RH	655	32D	36"	84"	39-5/8"

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Architectural specifications

A. Exit devices shall be PE80 Series push rail devices as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Exit devices shall be certified to meet or exceed the requirements of ANSI/BHMA A156.3 Grade 1.

C. Exit devices shall be listed by Underwriters Laboratories for panic and bear the UL label for life safety in full compliance with NFPA 80 and NFPA 101. Exit devices for fire labeled doors shall be UL listed as "Fire Exit Hardware".

D. Exit Devices shall be certified to meet the requirements of ANSI/BHMA A156.41, Door Hardware Single Motion To Egress.

E. Provide standard hex key dogging on non fire-rated exit devices, with cylinder dogging (i.e., SARGENT 16- option) as an option.

F. Exit devices shall comply with UL 10C positive pressure requirements.

G. Construction:

1. Chassis shall be of heavy duty cast design with one piece drawn nonferrous removable covers matching the material of the push and mounting rails.
2. Stamped steel chassis are not acceptable.
3. Mounting rails shall be formed from a single piece of stainless steel, brass or bronze no less than 0.060 inches thick.
4. Push rails shall be constructed of 0.060 inch thick material in the same manner as the mounting rail. Painted or anodized aluminum shall not be considered heavy duty and are not acceptable.
5. Metal end caps shall be formed from the same base metal as the push and mounting rails.
6 . No visible fasteners on the rail, including top, bottom and back of the rail.
7 . No visible plastic
8 . Hex key dogging must be hidden.
9 . The exit device must not have any catchpoints.
10. Provide center case adjustability for CVR.
11. End caps shall be either flush or overlapping and be manufactured from stainless steel, brass, or bronze using matching architectural finishes. The end cap mounting bracket should be manufactured from steel.
12. Easy wire routing, available for retrofit to existing or new holes

H. Exit devices shall have a maximum of 3.1 inches projection from the face of the door in the non-dogged position.

I. The design of the exit device shall eliminate the necessity of removing the device from the door for standard maintenance or keying changes.

J. The device chassis shall be mounted and operable without the need of the rail or the chassis cover.

K. Trim shall be through-bolted through the door.

L. Devices shall be available with matching trim for both wide and narrow stile doors, including electrified functions when required.

M. Exit device operating lever trim shall withstand 1000 inch pounds of torque without allowing access.

N. Lever trim shall be available in architectural finishes and designs to match that of the locksets specified.

O. Provide electrified exit devices with ElectroLynx® standardized plug connectors to accommodate up to twelve wires.

P. Plug connectors shall plug directly into ElectroLynx® through-door wiring harnesses for connection to electric transfer hinge and power supplies.

Q. Provide sufficient number of concealed wires to accommodate electric function of specified hardware.

R. Exit devices shall have a ten year limited warranty.

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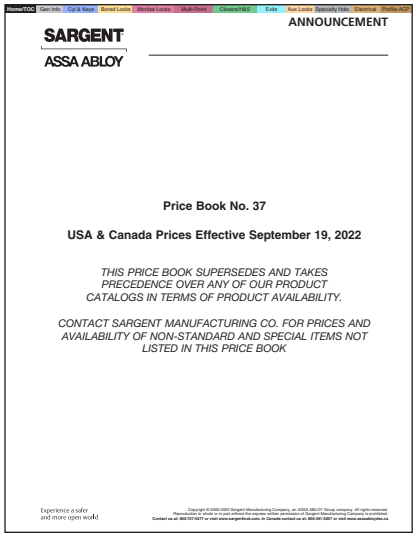
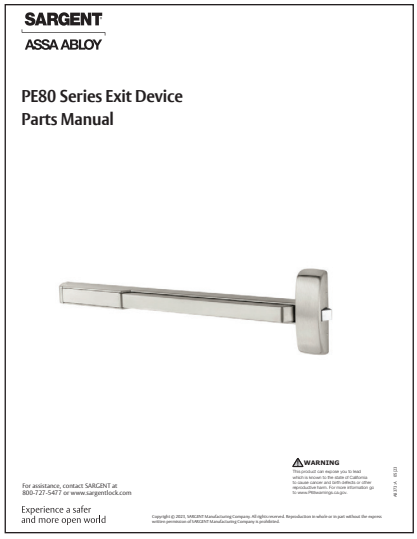
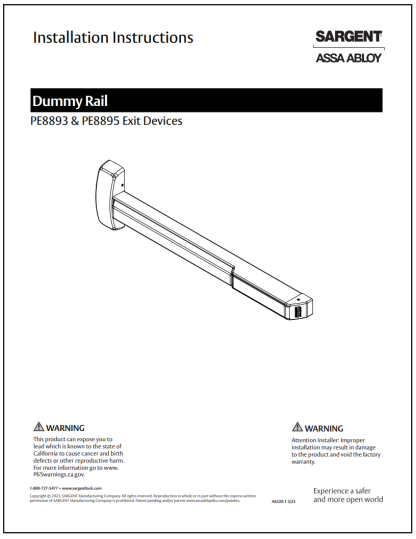
Additional resources



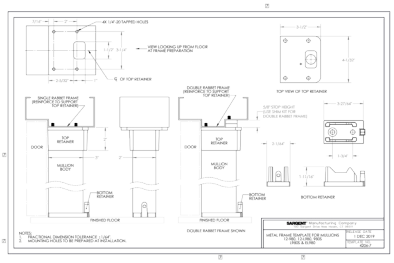
Price Book

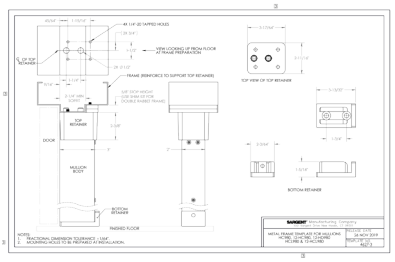


Parts Manual

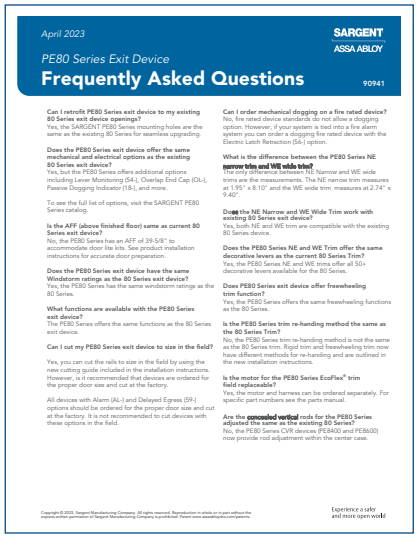


Installation Instructions





Templates



Frequently Asked Questions

Technical Support
1-800-727-5477
Live Chat

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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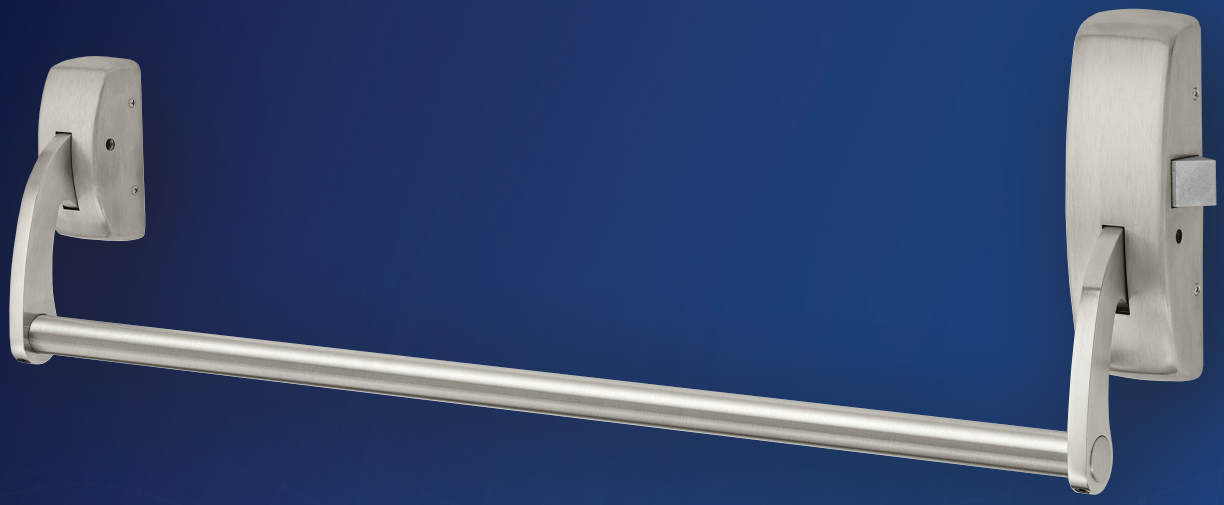
SARGENT®

ASSA ABLOY

PRODUCT CATALOG

90 Series Exit Device



Experience a safer
and more open world

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ASSA ABLOY

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MICROSHIELD® COATING

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

agion Nature's antimicrobial The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

ECOFLEX®

- Reduces energy consumption up to 95% for exit trim, as certified by Green Circle, which lowers operating costs; assists with load reduction in optimizing energy performance credit in LEED, and reduces the number of power supplies requires.
- Field configurable to fail-safe or fail-secure, and operates from 12-24VDC, offering greater flexibility in system design.
- Innovative actuator design provides superior reliability through higher performance and reduced maintenance; the ability to have longer cable runs without negatively impacting lock function. It reduces the risk of voltage drops and eliminates inductive kickback, and lowers the total cost of owner ship.

⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

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UL Fire Door Ratings

● = Available

Application	Type Of Device	Series Device	Maximum Door Opening	UL Fire Door Rating (A) 3 Hour	(B) 1-1/2 Hour	(C) 3/4 Hour	(D) 1-1/2 Hour	(E) 3/4 Hour
Single Doors	Mortise	12-9900	4'0" X 10'0" (1219 X 3048)	●	●	●	●	●
	Rim	12-9800 **	4'0" X 8'0" (1219 X 2438)	●	●	●	●	●
	Concealed	12-9400	4'0" x 7'2" (1219 X 2184)	●	●	●	●	●
Pair of Doors Swinging in the same direction	Mortise and Surface Vertical Rod	12-9900 X 12-9700	8'0" X 8'0" (2438 X 2438)	●	●	●	●	●
	Two Rim With Mullion (12-980 available)	12-9800 X 12-9800	8'0" X 8'0" (2438 X 2438)	●	●	●	●	●
	*Two Surface Vertical Rod No astragal No coordinator	12-9700 X 12-9700	8'0" X 8'0" (2438 X 2438)		●	●	●	●
	Two Concealed Vertical Rod No overlapping astragal	12-9400 X 12-9400	8'0"x 7'2" (2438 X 2184)		●	●	●	●
Double Egress Pair of Doors Swinging in opposite directions	*Two Surface Vertical Rod	12-9700 X 12-9700	8'0" X 8'0" (2438 X 2438)	●	●	●	●	●
	*Two Concealed Vertical Rod	12-9400	8'0" x 7'2" (2438 X 2184)	●	●	●	●	●

* Limited for Fire Doors listed by UL for this use. NFPA requires an astragal on 3 hour applications
** 75 and 76 functions are not available with 12- fire rated 9800 devices
Vertical rod applications will not work with astragal

Note: Please contact door manufacturer for specifications regarding fire door construction

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

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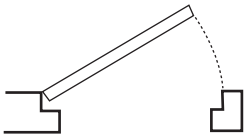
Features & Applications

FEATURES

- Full line of exit devices offering a selection of both wide and narrow stile exit devices, including concealed and surface vertical rods, rim and mortise
- Maximum 4" (102mm); projection, minimum 2-7/8" (74mm) depressed.
- All SARGENT exit devices can be masterkeyed or grand masterkeyed with any other SARGENT product
- All crossbar assemblies are brass, bronze, stainless steel, or steel (see specific device)
- Stainless steel springs throughout
- Trim is through-bolted
- UL Listed
- UL Listed to Canadian safety standards
- All fire exit hardware for hollow metal door applications listed up to 3 hours (A label) (Double doors require astragal)
- All fire exit hardware for wood door applications listed up to 1-1/2 hour (B label) except where noted
- ADA Compliant

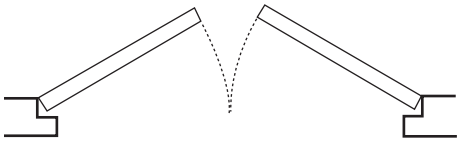
APPLICATIONS

Single Door



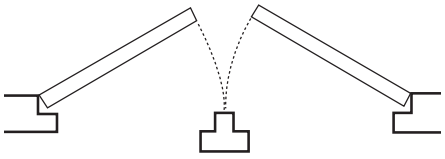
Rim Type 9800
Surface application.

Pairs of Doors without Mullion



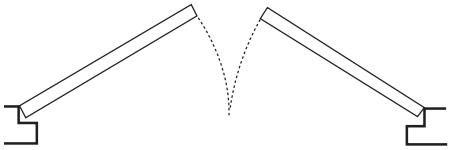
Surface Vertical Rod Type 9700 or
Concealed Vertical Rod Type 9400 - 2 Each
2 point locking both doors. Each door active.
Do not use an overlapping astragal.

Pairs of Doors with 980 Mullion



Rim Type 9800 - 2 Each
980 Mullion - 1 Each
Two independent active doors with full double door opening when required.

Pairs of Doors without Mullion



Surface Vertical Rod Type 9700 - 1 Each
Rim Type 9800 - 1 Each
Both devices are surface applied.
A coordinator is recommended.

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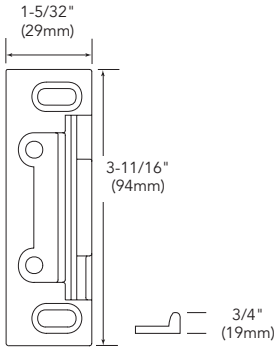
9800 Series Wide Stile Rim Exit Device

SARGENT
ASSA ABLOY

SPECIFICATIONS

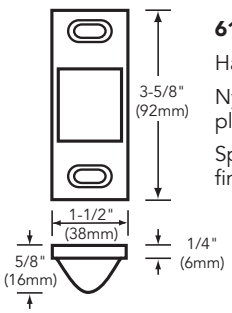
For Doors	Wood or metal. 1-3/4" (44.5mm) thick standard. 2-1/4" (57mm) thick on order. Other door thickness, consult factory. 4-1/8" (105mm) minimum stile
Mounting	Supplied standard with wood and machine screws. Through-bolts available on order.
Chassis Cover	Brass, bronze or stainless steel
Chassis	Nonferrous alloy
Crossbar	1" brass, bronze and stainless steel tubing. Specify 42- for reinforced cross bar.
Hand	Non Handed; Field reversible. With 12- Fire Rated Option Handed; please specify hand when ordering
Dogging	Standard Allen key dogging (Not available on fire rated devices)
Strike	649 standard strike for panic and fire
Fire Exit Hardware	See chart page 3
Certification/ Compliance ANSI	ANSI/BHMA156.3 - 2014 Grade 1 ADA Compliant

649 STRIKE



- For 9800 and 12-9800
- Supplied standard
- Surface applied
- Black nylon coated

ALTERNATE STRIKES

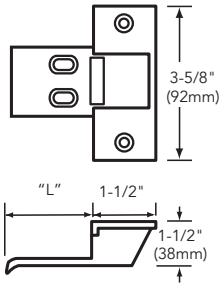


613

Half mortised

Nylon coating on face plate only

Specify hardware finish



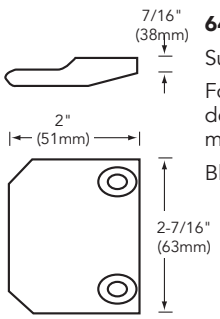
642

Full mortised

Dimension "L" equals door thickness plus 1/2"

Nylon coating on lip only

Specify hardware finish



644

Surface applied

For use on pairs of doors without mullion

Black nylon coated

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9800 Functions and Trim

SARGENT
ASSA ABLOY

How to order:

Options	Series	Function	Trim	Hand	O/S Finish	I/S Finish	Door Width
10-SG-	98	13	ETL	RHR	26D	32D	36"

700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers
Note: Voltage must be specified for 73, 74, 75 & 76 function ET trims (12v or 24v)

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 1 9800 Panic & Fire
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	9804 x ET_
10	01	No outside Operation (No Cylinder)	9810
10	02	No outside Operation (No Cylinder) ET Control is used as Pull Only	9810 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	9813 x ET_
15	14	Passage Only (No cylinder)	9815 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)	9873 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)	9874 x ET_
75++		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch #34 Cylinder Supplied NOT available with 12-9800 devices	9875 x ET_
76**		Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch #34 Cylinder Supplied NOT available with 12-9800 devices	9876 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices

Options

9800
Mechanical Options:
12-
31-
36-
37-
42-
54-
76-
85-
86-
87-
CPC-
*** SG-
TB-
Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

*** Only available with 15, 26D, and 32D finishes

Pull & Thumb Piece Trim Section			Trim Designations • Use three letter designations (Ex "PTB") when ordering the exit device with trim • Use the six digit designation (Ex "866-MAL") when ordering trim without an exit device, always specify finish						
SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)							Series 9800 Panic & Fire
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	814-FLL	814-FLW	814-MAL	814-PTB	814-STS	862 Pull	9804 x Trim Designation
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	862 Pull	9810 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	N/A	9828 x Trim Designation
63	05	Key Outside Unlocks/ Locks Trim #34 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	N/A	9863 x Trim Designation

Note: Thumb piece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	614
14	618
15	619
20D	624
26	625
26D	626
32	628
32D	630
BSP	—
WSP	

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9898 Reversible Rim Exit and Trim

SARGENT
ASSA ABLOY

Note: If door width information is not supplied, SARGENT will supply a cross bar for a 44" door width

Options

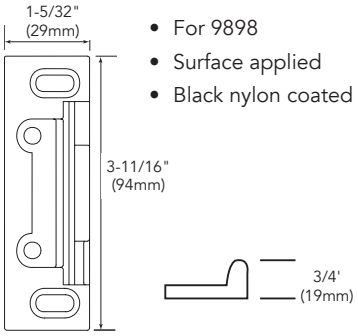
9898
Mechanical Options: 12- 85-
Cylinder Options: 10- 11- 11-60- 11-63- 11-64- 21- 60- 63- 64- 81- 82- F1-82- 83- F1-83- 84- BR- CPC- SG-***

*** Only available with 15, 26D, and 32D finishes

SPECIFICATIONS

For Doors	Wood or metal. 1-3/4" (44.5mm) thick standard. 2-1/4" (57mm) thick on order. Other door thickness, consult factory. 4-1/8" (105mm) minimum stile
Mounting	Supplied standard with wood and machine screws. Through-bolts available on order
Chassis Cover	Brass, bronze or stainless steel
Chassis	Nonferrous alloy
Crossbar	1" brass, bronze and stainless steel tubing. Specify 42- for reinforced cross bar.
Hand	Non-handed; field reversible
Dogging	Standard Allen key dogging (Not available on fire rated devices)
Strike	649 Strike
Fire Exit Hardware	Not available

649 STRIKE



- For 9898
- Surface applied
- Black nylon coated

Available trim designs & functions to be used with any 9898 device

- All trims are non-handed for 9898 devices

			Product Designation				
Functions	**ANSI**	**Descriptions**					
04	03	Key Retracts Latch #34 Cylinder Required & Supplied	814-FLL x Finish	814-FLW x Finish	814-MAL x Finish	814-PTB x Finish	814-STS x Finish
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL x Finish	810-FLW x Finish	810-MAL x Finish	810-PTB x Finish	810-STS x Finish
10	01	No O/S Operation or Cylinder (Exit Only)	N/A	N/A	N/A	802-PTB x Finish	N/A
28	15	Passage Only (No cylinder)	828-FLL x Finish	828-FLW x Finish	828-MAL x Finish	828-PTB x Finish	828-STS x Finish
63	05	Key Outside Unlocks/Locks Thumb Piece # 34 Cylinder Required & Supplied	866-FLL x Finish	866-FLW x Finish	866-MAL x Finish	866-PTB x Finish	866-STS x Finish

Note: Thumb piece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

How to order:

Options	Series	Function	Trim	Hand	O/S Finish	I/S Finish	Door Width
10-SG-	99	13	ETL	RHR	26	32	36"

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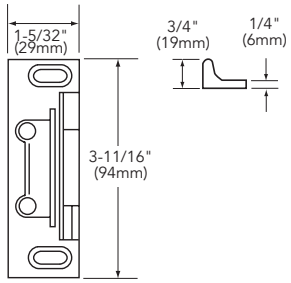
9700 Series Wide Stile Surface Vertical Rod Exit Device

SARGENT
ASSA ABLOY

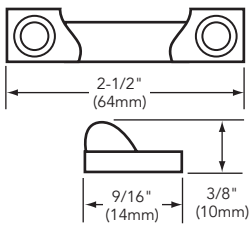
SPECIFICATIONS

Applications	Single and double door
For Doors	Wood or metal. 1-3/4" (44.5mm) thick standard. 2-1/4" (57mm) thick on order. Other door thickness, consult factory. 3" (76mm) minimum stile. Maximum door height 96"
Mounting	Supplied standard with wood and machine screws. Through-bolts available on order.
Chassis Cover	Brass, bronze or stainless steel
Chassis	Nonferrous alloy
Crossbar	1" brass, bronze and stainless steel tubing. Specify 42- for reinforced cross bar .
Hand	Non Handed
Dogging	Standard Allen key dogging (Not available on fire rated devices)
Latching	• Two point latching (top and bottom of the door) • Top & bottom latchbolt projection adjustable through center case • Standard bottom latch compatible with latchtrack thresholds (by others)
Strikes	646 top strike for panic & fire and 624 bottom strike for panic & 655 bottom strike for fire
Rod	1/2" brass, bronze or stainless steel
Fire Exit Hardware	See chart page 3
Opening Height	84" (2134mm) Standard
Certification/ Compliance ANSI	• ANSI/BHMA156.3 - 2014 Grade 1 • ADA Compliant • UL Fire and Panic listed

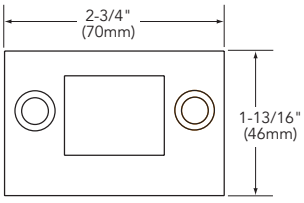
646 Top Strike
- Standard Top Strike for both Panic & Fire (12-) Hardware
- Surface applied to frame
- Black nylon coated
- Replaces 629 Strike



624 Bottom Strike
- Standard for 9700
- Applied to surface of floor or to a flat threshold
- Black nylon coated



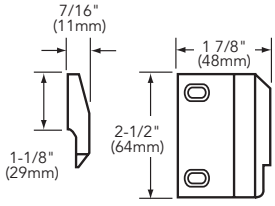
655 Bottom Strike
- Standard bottom strike for 12-9700 and 14-9700
- Stainless steel
- Black nylon coated
- Replaces 647 Strike



648 & 653 STRIKES (OPTIONAL)

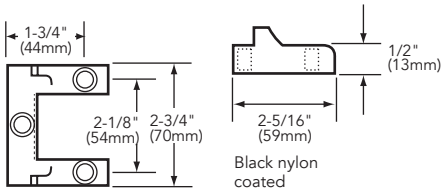
648 Strike

For doors having transom panel applications
Black nylon coated



653 Strike

Alternate for 12-9700



Black nylon coated

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SARGENT
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9700 Functions and Trim

700 Series ET Trim
Exits with ET Trim, spe
lever design after the E
designation
(e.g., ETL)

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers
Note: Voltage must be specified for 73 & 74 function ET trims
(12v or 24v)

300 Series++ Auxiliary Control

300 Series Auxiliary Control

Inside Lever Assembly for 300 Series Aux Control

Attaches to top rod and engages with 300 Series Auxiliary Control.

Part # 97-2378

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	ANSI Type 2 9700 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	9706 x ET_
10	01	No outside Operation (No Cylinder)**	9710
10	02	No outside Operation (No Cylinder)** ET Control is used as Pull Only	9710 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	9713 x ET_
15	14	Passage Only (No cylinder)	9715 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)**	9773 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)**	9774 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
** Cylinder Override is available with a 306 Aux Control
Example Order: 9773F 12V x ETMG x 306 x RHR x 32D 36"w x 84"H

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	9700 Panic & Fire
06	12	Key unlocks Turn; Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	9710 x 306
13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	9710 x 313

Note: When ordering 9700 Series Exit Device x 300 Series Aux. Control, specify 10 Function for the exit.
Example: 9710F x 306 x RHR x 32D x 42" x 90"
++ Note: Exit Devices must be mounted 38" AFF when used with a 300 Series Auxiliary Controls to meet ICC/ANSI A117.1-2003 Accessible & Usable Buildings and Facilities Code

Pull & Thumb Piece Trim Section			Trim Designations • Use three letter designations (Ex "PTB") when ordering the exit device with trim • Use the six digit designation (Ex "866-MAL") when ordering trim without an exit device, always specify finish					
SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)						Series 9700 Panic & Fire
10	02	Pull Only (No Cylinder)***	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	9710 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	9728 x Trim Designation
63	05	Key Outside Unlocks/Locks Trim #34 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	9763 x Trim Designation

*** Cylinder Override is available with a 306 Aux Control
Note: Thumb piece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

Options

9700
Mechanical Options:
12-
14-
31-
36-
37-
42-
54-
76-
85-
86-
87-
CPC-
*** SG-
TB-
Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

*** Only available with 15, 26D, and 32D finishes

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	614
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

How to order:

Options	Series	Function	Trim	Hand	O/S Finish	I/S Finish	Door Width	Door Height	AFF
11-	97	13	ETL	RHR	15	32D	36"	84"	36"

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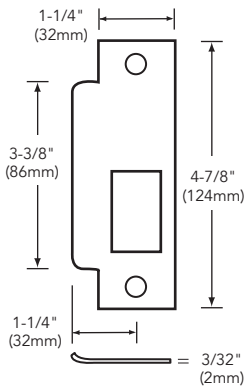
9900 Series Wide Stile Mortise Lock Exit Device

SARGENT
ASSA ABLOY

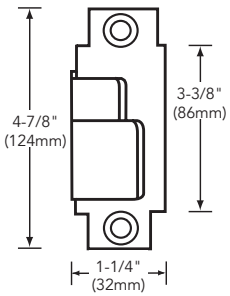
SPECIFICATIONS

For Doors	Wood or metal. 1-3/4" (44.5mm) thick standard. Other door thickness, consult factory. 4-1/2" (114mm) minimum stile
Mounting	Supplied standard with wood and machine screws. Through-bolts available on order.
Chassis Cover	Brass, bronze or stainless steel
Chassis	Nonferrous alloy
Crossbar	1" brass, bronze and stainless steel tubing. Specify 42- for reinforced cross bar.
Hand	Handed, please specify hand when ordering
Mortise Lock	900 Series Mortise Lock, non-reversible
Dogging	Standard Allen key dogging (Not available on fire rated devices)
Strike	C908 standard for panic and fire rated
Fire Exit Hardware	See chart page 3
Certification/Compliance **ANSI**	ANSI/BHMA156.3 - 2014 Grade 1 ADA Compliant

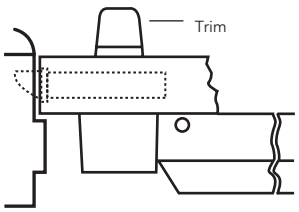
C908 Strike
- Curved lip ANSI A115.1
- Handed. 1-1/4" lip standard
- Longer, lips in increments of 1/4" through 2-7/8" available
- Black nylon coated



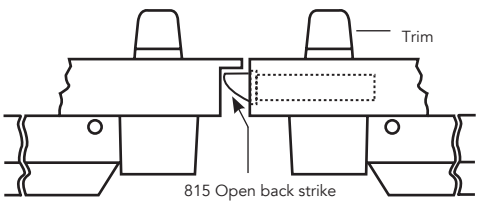
815 Open Back Strike
- ANSI A115.14 Open Back
- Beveled 1/8" in 2"
- Specify hand of active door
- "B" label
- Required for pairs of doors with 9700 and 9900 on pair
- Black nylon coated



Single Door



Pair of Doors



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SARGENT
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9900 Functions and Trim

700 Series ET Trim
Exits with ET Trim, spe
lever design after the E
designation
(e.g., ETL)

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers
Note: Voltage must be specified for 73, 74, 75 & 76 function ET trims (12v or 24v)

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 3 8900 Panic & Fire
04	03	Night Latch Key Retracts Latch #46 Cylinder Supplied	9904 x ET_
10	01	No outside Operation (No Cylinder)	9910
10	02	No outside Operation (No Cylinder) ET Control is used as Pull Only	9910 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	9913 x ET_
15	14	Passage Only (No cylinder)	9915 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)**	9773 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)**	9774 x ET_
75++		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch #46 Cylinder Supplied	9975 x ET_
76**		Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch #46 Cylinder Supplied	9976 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices

++ 75 Function without cylinder is available as a 73 Function

** 76 Function without cylinder is available as a 74 Function

Pull & Thumb Piece Trim Section			Trim Designations • Use three letter designations (Ex "PTB") when ordering the exit device with trim • Use the six digit designation (Ex "866-MAL") when ordering trim without an exit device, always specify finish & hand					
SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)						Series 9900 Panic & Fire
04	03	Night Latch-Key Retracts Latch #41 Cylinder Supplied	814-FLL	814-FLW	814-MAL	814-PTB	814-STS	9904 x Trim Designation
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	9910 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	9928 x Trim Designation
63	05	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	9963 x Trim Designation

Note: Thumb piece trims used with mortise lock exit devices are handed
Note: Thumb piece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

How to order:

Options	Series	Function	Trim	Hand	O/S Finish	I/S Finish	Door Width
10-SG-	99	13	ETL	RHR	26	32	36"

Options

9900
Mechanical Options: 12- 23- 31- 36- 37- 42- 54- 76- 85- 86- 87- CPC- *** SG- TB-
Cylinder Options: 10- 10-21- 10-63- 11- 11-21- 11-60- 11-63- 11-64- 11-70-7P- 11-72-7P- 11-73-7P- 11-65-73-7P- 21- 51- 52- 60- 63- 64- 70- 72- 73- 65-73- 65-73-7P- 73-7P- 81- 82- F1-82- 83- F1-83- 84- BR- LC- *SC- *SE-

*** Only available with 15, 26D, and 32D finishes

Available Finishes

Sargent Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10BE	613
10BL	613E
14	614
15	618
20D	619
26	624
26D	625
32	626
32D	629
BSP	630
WSP	—

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SARGENT
ASSA ABLOY

9400 Series Narrow Stile Concealed Vertical Rod Exit Device

SPECIFICATIONS

For Doors	Metal doors with 1-3/4" (44.5mm) thickness only. Requires proper reinforcements
Mounting	Supplied standard with machine screws.
Chassis Cover	Brass, bronze or stainless steel
Chassis	Nonferrous alloy
Crossbar	1" brass, bronze and stainless steel tubing.
Hand	Field Reversible. Order as RHRB or LHRB
Dogging	Standard Allen key dogging Less dogging available, special order (Not available on fire rated devices)
Strikes	94-2390 top strike pack; 94-2391 bottom strike pack
Rod	3/8" solid steel (top); 1/2" steel tubing Rods for doors 8'6" standard Rods for doors 8'6" to 10'8" optional
Trim	Night Latch Cylinder Retainer with 04 function; 862, 863, 864 pulls available separately
Opening Height	8'6" standard to 10'8" optional
Stile Width	2-1/8" minimum with 1/2" stop, single door; 1-3/4", pair of doors
Projection	4" (102mm); 2-7/8" (74mm) depressed.
Backset	1-3/8" on single door with 3/8" stop; 1" on pair of doors without mullion
Cylinder	41 Mortise cylinder Supplied with 9404 / 12-9404 only; Cylinder kit includes: Cylinder, Night Latch Cylinder Retainer, and mounting screws
Warranty	1 Year Limited
Certifications / Compliance	ANSI/BHMA 156.3 Grade 2; A117.1 ANSI Accessibility Code ADA Compliant
Fire Exit Hardware	See chart on page 3

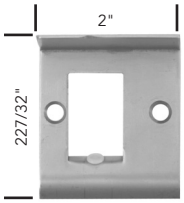
Options

9400
Mechanical Options: 12- 85-
Cylinder Options: 10- 11- 11-21- 82- F1-82- BR- SC- SE-

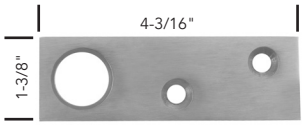
9400 CVR Exit Device
The 9400 Series Exit Device is available with two functions:
9404 - Night latch
9410 - No outside operation (no cylinder)

9400 Night Latch Cylinder Retainer
- Key retracts latch
- Standard with 9404 & 12-9404
- Supplied with a # 41 Cylinder

94-2390 Top Strike
- Standard Top Strike for 9400



94-2391 Bottom Strike
- Standard Bottom Strike for 9400
- Strike to be flush with finish floor



How to order:

Options	Series	Function	Hand	Finish	Door Width	Door Height	AFF
12-	94	04	RHR	32D	36"	84"	36"

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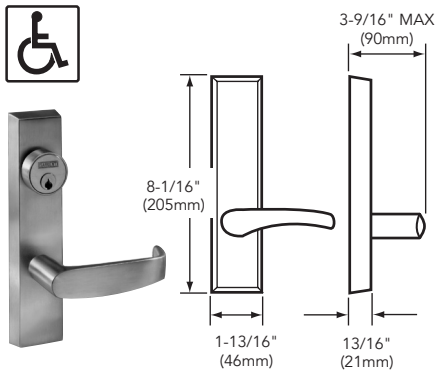
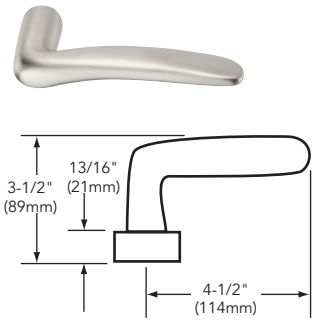
ET Trim & Levers

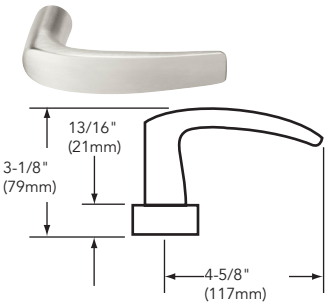
ET LEVER CONTROLS



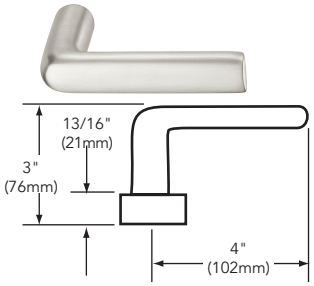
A Lever (handed)



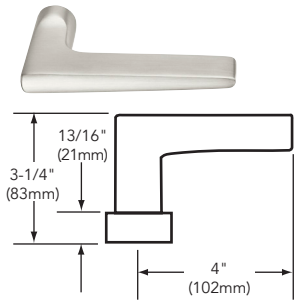
B Lever



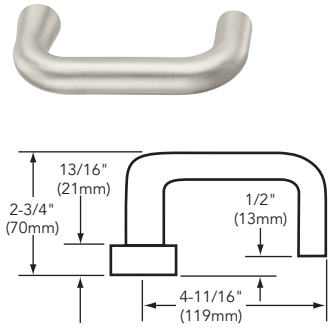
E Lever



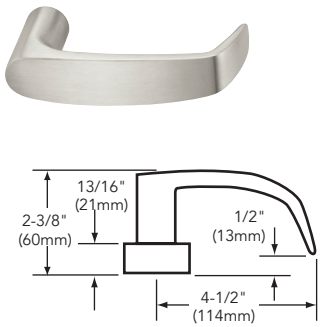
F Lever



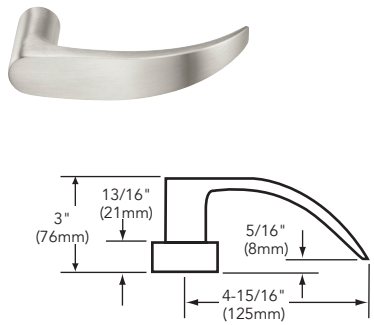
J Lever



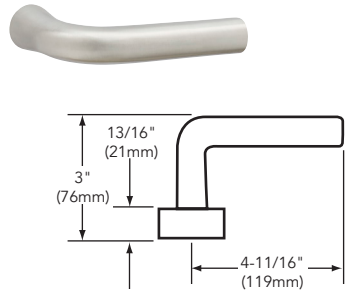
L Lever*



P Lever*



W Lever



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Studio Collection Levers

SARGENT
ASSA ABLOY

Studio collection

FEATURES

- Studio Collection levers can be used with all SARGENT 90 Series exit devices with ET trim
- All levers - solid brass or stainless steel
- Available with all lever functions
- Finishes available: 03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, 32 & 32D, BSP, WSP
- Always specify hand

Aventura Series

MB
ME
MF
NF
MG
MI
MW[1]

Berlin Series

H015
H016[1]
H017
H018

Centro Series

MD
MJ
MP[2]
ND[1]
NJ[1]

1. Lever returns within 1/2" (13mm) of door face
2. Not available in 32D or 32 finish

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Studio Collection Levers

SARGENT
ASSA ABLOY

Coastal Series

G

R

S

Y

Gramercy Series[2]

RCM

RAL

REM

RAM

RAS

RAG

RGM

Notting Hill Series[3] (Handed Levers)

MQ

MT

MO

MZ[1]

Odéon Series[3]

MN

MH

MS

MU

MV

NU[1]

1. Lever returns within 1/2" (13mm) of door face
2. The Gramercy Levers are customized. Refer to the page 27 for ordering information
3. Not available in 32D or 32 finish

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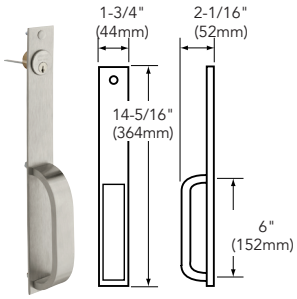
Thumb Piece Pull Trim

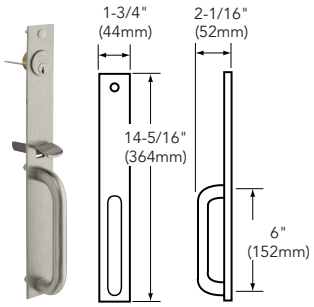
PULLS AND THUMB PIECE TRIMS

Pulls and trims are through-bolted.
Through-bolting of trim allows for perfect alignment of thumb pieces, cylinders and spindles.
Through-bolts pass through the chassis of the devices and are bolted directly to the trim.

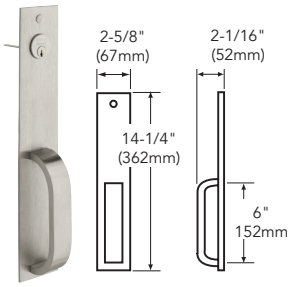
FLL



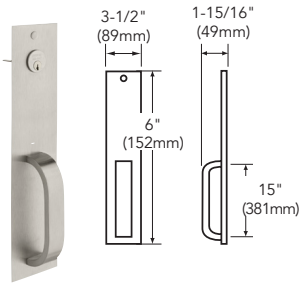
FLW



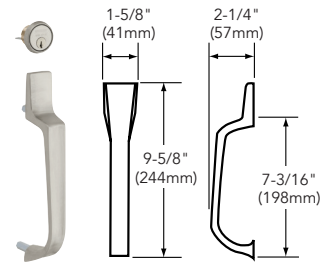
MAL



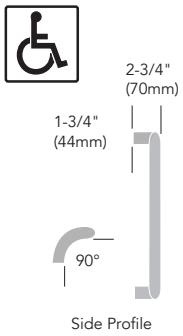
PTB



STS



PULLS



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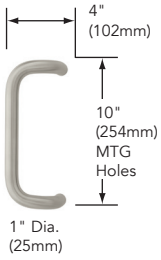

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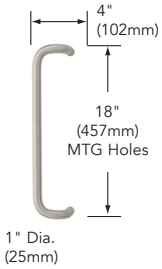

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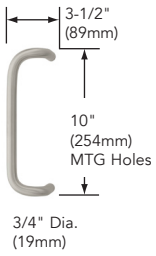

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Electromechanical Functions and Accessories

73 & 75 ELECTROMECHANICAL (FAIL SAFE)
74 & 76 ELECTROMECHANICAL (FAIL SECURE)

73 Functions: Fail Safe - Power Off, Unlocks Lever (No Cylinder)

74 Functions: Fail Secure - Power Off, Locks Lever (No Cylinder)

75 Functions: Fail Safe - Power Off, Unlocks Lever includes Cylinder override

76 Functions: Fail Secure - Power Off, Locks Lever includes Cylinder override

- 75 & 76 functions: the key retracts latch
- Exit Device always allows egress
- Features EcoFlex®
- Operates from 12-24 VDC. (Voltage must be specified)
- Actuator Draw = 400mA inrush / 15mA continuous @ 12VDC / 24VDC
- Provided with ElectroLynx® 8-Pin Connector

REQUIREMENTS FOR ELECTRICAL AND DATA TRANSFER

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

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

Features of ElectroLynx®:

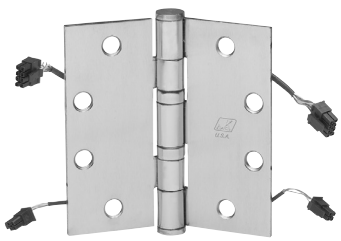
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect Electrified Trim to the electronic access control system, the following items are required:

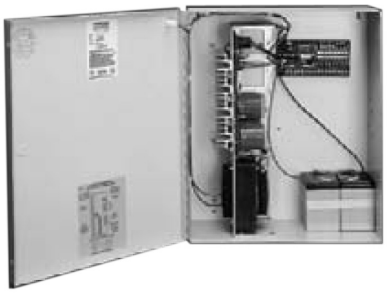
- Electrified Trim (73, 74, 75 & 76 function ET's)
- ASSA ABLOY Door Group pre-wired door, or ElectroLynx® retrofit cable (order from McKINNEY)
- Electronic transfer device (ElectroLynx® electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKINNEY)
- ElectroLynx® cable from the hinge to above the ceiling (order from McKINNEY)

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

McKINNEY QC ElectroLynx® Hinges are recommended.



12VDC & 24VDC POWER SUPPLIES:



- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED
- In the event of a DC short the problem is confined to the zone of difficulty
- Fire alarm interface standard

SARGENT Model No.	Description
3521	12V - 1 Amp Power Supply
3541	12V - 3 Amp Power Supply
737	12V - 5 Amp Hour Backup Battery

SARGENT Model No.	Description
3520	24V - 1 Amp Power Supply
3540	24V - 2 Amp Power Supply
3550	24V - 4 Amp Power Supply
3570	24V - 6 Amp Power Supply
738	24V - 5 Amp Hour Backup Battery

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SARGENT
ASSA ABLOY

Mullions: Aluminum, Steel and Electrified

	Aluminum Mullions			Electrified
Product Designation	650A	980	L980	EL980
Description	Removable	Removable	Lockable	Electrical Lockable
Material	Aluminum	Aluminum	Aluminum	Steel
Standard Finish	US28/Satin Anodized Aluminum	Prime Coat	Aluminum Prime Coat	Gray Paint
Options	Specify "650A x 10B" for 313AN to match 10B	Specify "980A" for Anodized US28/ Satin Aluminum	Specify: "L980A" Anodized Aluminum Specify: "L980A x10B" for 313AN to match 10B	Wall Mounting Kit: 98-2580 Top Ret Pack :98-2559
Stk Size	96"	86"	86"	86"
Max Stk Height	120"	120"	120"	120"
Pre-prepped	658 Strikes Included	No	No	No
Cylinder Size	Not Required	Not Required	#41	#46 Only
Shape	1-1/2" x 2-1/2"	T Shaped 2-1/2" x 3"	T Shaped 2-1/2" x 3"	Rectangular 2" x 3"
Misc. Information and Accessories	Includes 651 Stabilizers and imbedded Weather Stripping Top Retainer 94-2050 Bottom Retainer 94-2051	Top Retainer - 511 Bottom Retainer - 502 Adapter for narrow transom: 507 - Aluminum Prime Coated 507A - Anodized Aluminum	All Cylinder Options Available Wall Mount Kit 98-2578 Top Ret Pack 98-2526 Bottom Ret Pack 98-2525 Cylinder Kit 980C1*	For use with Electric Strikes and Monitoring, Quick Connect Wiring Supplied Cylinder Kit 980C2*

*** Note:** Cylinder Kits must be ordered separately

	Steel Mullions				
Product Designations	HC980	980S	L980S	HCL980	12-HD980
Description	Hurricane Code	Standard Mullion	Lockable	Lockable Hurricane Code	Heavy Duty
Material	Steel	Steel	Steel	Steel	Steel
Fire Rated	Specify 12-HC980	Specify 12-980	Specify 12-L980	Specify 12-HCL980	Specify 12-HD980
Fire Rated Max Height	96"	96"	96"	96"	120"
Finish	Gray Paint	Gray Paint	Gray Paint	Gray Paint	Gray Paint
Stk Size	86"	86"	86"	86"	120"
Max Stk Height	96"	120"	120"	96"	120"
Pre-prepped	No	No	No	No	No
Cylinder Size	Not Required	Not Required	#41 Std (#42 & #43 available)	#41 Std (#42 & #43 available)	Not Required
Shape	Rectangular 2' x 3"	Rectangular 2' x 3"	Rectangular 2' x 3"	Rectangular 2' x 3"	Rectangular 2' x 3"
Misc. Information	Designed for severe wind load conditions due to hurricanes or windstorms. Tested to Dade County Protocols & ASTM Standards	Channel Iron & Malleable iron top & bottom retainers. Mullions longer than 86" must be ordered as 12- option x 120" length and cut to size in the field. Fire rating is valid only up to 96"	Fire rated for 8'0" x 8'0" paired openings Mullions longer than 86" must be ordered as 12- option x 120" length and cut to size in the field. Fire rating is valid only up to 96"	See Notes Below	12-HD980 is for pair of doors over 8'0" to 10'0" includes two piece strikes
Accessories	Top Ret Pack - 98-2599 Bottom Ret Pack - 98-2600 Top Retainer Shim Kit - 601	Top Ret Pack - 98-2190 Bottom Ret Pack - 98-2191 Top Retainer Shim Kit - 601	Wall Mounting Kit - 98-2579 Top Ret Pack - 98-2559 Bottom Ret Pack - 98-2556 Top Retainer Shim Kit - 601 Cylinder Kit - 980C1*	Top Retainer Pack: 98-2593 Bottom Retainer Pack: 98-2594 Top Retainer Shim Kit - 601 Cylinder Kit - 980C1*	Top Ret Pack - 98-2599 Bottom Ret Pack - 98-2600 Top Retainer Shim Kit - 601

*** Note:** Cylinder Kits must be ordered separately

Note for HC980/12-HC980 Mullions:
- Designed for severe wind load conditions due to hurricanes or tornadoes
- Tested to Dade County protocols and ANSI 250.13 ASTM Standards and FEMA 361
- 12- Fire labeled version
- Replacement lock kits are available for lockable mullions
- Part numbers for each model are listed in the price book

HCL980 Mullion Information
- Model 12-HC-L980 may be supplied for doors UL fire rated up to and including 3 hrs not exceeding 8 ft in width and height
- Meets the following standards: ANSI 250.13, ASTM E330, ASTM 1886, ASTM 1996, TAS 201, TAS 202 & TAS 203

Lockable Mullion Cylinder Kit Options
Lockable mullions are shipped without cylinders. Order Cylinder Mullion Kit separately.
- L980, L980A, L980S, HC-L980, SM980S, SM980S and SML990S are 10, 10-21-, 10-63-, 11-, 11-21-, 11-60, 11-63-, 11-64-, 11-72-7P-, 11-65-73-7P-, 11-73-7P-, 21-, 22-, 60-, 63-, 64-, 70, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82-, F1-82-, 83-, F1-83-, 84-, SC- & SE-
- EL980 are 10, 10-21-, 10-63-, 11-, 11-21-, 11-60, 11-63-, 11-64-, 11-72-7P-, 11-65-73-7P-, 11-73-7P-, 21-, 60-, 63-, 64-, 70, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82- & F1-82-

Note: See page 21 for option details

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Split Mullions

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	Split Mullions (Steel)		
Product Designations	SM980S	SML980S	SMEL980
Description	Standard Mullion	Lockable	Electrical Lockable
Material	Steel	Steel	Steel
Finish	Gray Paint	Gray Paint	Gray Paint
Stk Size	96"	96"	96"
Max Stk Height	96"	96"	96"
Pre-prepped	No	No	No
Cylinder Size	Not Required	#41 Std (#42 & #43 available)	#46 Only
Shape	Rectangular 2" x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"
Misc. Information	Not fire rated	Not fire rated	Not fire rated
Accessories	Top Ret Pack - 98-2190 Bottom Ret Pack - 98-2191 Top Retainer Shim Kit - 601	Wall Mounting Kit - 98-2579 Top Ret Pack - 98-2559 Bottom Ret Pack - 98-2556 Top Retainer Shim Kit - 601 Cylinder Kit - 980C1*	Top Ret Pack - 98-2558 Bottom Ret Pack - 98-2556 For use with Electric Strikes and Monitoring, Quick Connect Wiring Supplied Cylinder Kit - 980C2*

***Note:** Cylinder Kits must be ordered separately

SM980S/
SML980S

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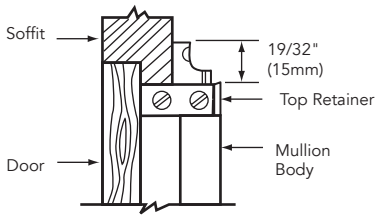
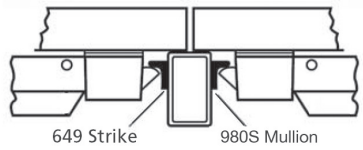
Mullion Accessories, Stabilizers and Door Coordinators

Mullion Accessories
RK980
Latchbolt assembly retrofit kit with top and bottom retainers for 980 aluminum mullion.

507 Narrow Transom Bars Adapter
- Available with 980 and 980A
- Required when soffit is 1-1/4" (32mm) to 2" (51mm) wide



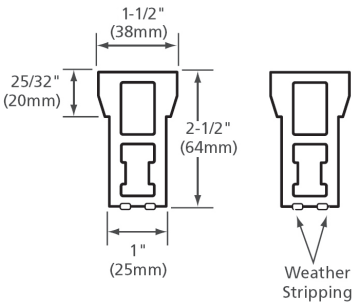
980S & SM980S Mullion Application
- All steel mullions are 2" x 3"



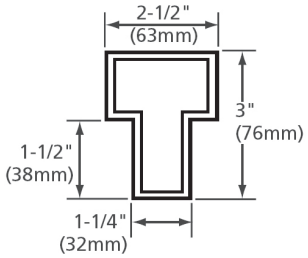
651 Mullion Stabilizer Kit

- Stabilizer block
- Furnished standard w/650A Mullion
- Order as a 651 Kit

650A Mullion



980 Mullion & L980 Lockable Mullion



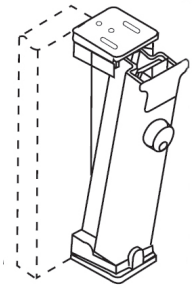
980C1 Cylinder Mullion Kit

- Lockable mullions only
- Aluminum and steel
- Includes cylinder and collar
- Available in 26D and 10B finish

Mullion Weights & Packaging

Product		Avg Wt
Exit Device with Trim	15 lbs	1 ea
980 Aluminum Mullion	18 lbs	1 ea
12-980 Steel Mullion	40 lbs	1 ea
650A Aluminum Mullion	18 lbs	1 ea
SM980S Split Mullion	40 lbs	1 ea

Lockable Mullion



980C2 Cylinder Mullion Kit

- Lockable mullions
- Electrified only
- Includes cylinder and collar
- Available in 26D

Cylinder Nut Wrench

This wrench simplifies the installation and removal of mortise cylinders nuts used on 700 Series Auxiliary Control (80 Series ET Trim).
- Part number 97-0568

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Mechanical Options

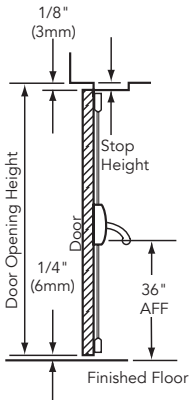
MECHANICAL OPTIONS:

Fire Rated	**12-**	UL Fire Label Exit hardware
SVR Bolt	**14-**	Sliding bolt bottom case for 9700
Alternate Strike	**23-**	4-7/8" (124mm) ANSI flat lip strike (for 9900 Series Mortise Lock Exit Devices)
Thick Doors	**31-**	Doors over 1-3/4" and/or Panels (Specify door thickness, panel thickness & location as required) (Not available with 9400 Devices) Extended lip strike supplied for 9900 Series
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
Reinforced Cross Bar	**42-**	Reinforced Cross Bar (Not available with 9400 Devices)
Electrical Options	**54-**	Monitors ET Lever movement with Internal micro switch in ET Control
Tactile Warning Options	**76-**	Tactile Warning - Milled Outside Lever (Not available with Studio & Coastal Levers and the A Lever)
	85-	Tactile Warning - Abrasive strip on Cross Bar
	86-	Tactile Warning - Abrasive coating on Outside Lever
	87-	Tactile Warning - Abrasive strip on Cross Bar & Abrasive coating on Outside Lever
Finish Protection	**CPC-**	Clear Powder Coat (Available for 32 & 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)
Through Bolts	**TB-**	Through-bolts for 9900, 9800 & 9700 Devices

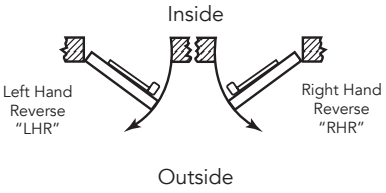
Note: Tactile Warning with Knurled Cross Bars is available, please consult factory (not available with 9400 devices)

MOUNTING HEIGHTS

- 36" (914mm) Cross Bar above finished floor for standard application



HAND



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Cylinder Options

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CYLINDER OPTIONS:

Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG2-	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG3-	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
Signature Key System	**10-**	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature- LFIC Removable Core	**10-63-**	SARGENT Signature Removable Core Cylinder
XC- Key System	**11-**	XC Key System (Not available with other Key systems unless specified)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	**11-60-**	Device to accept XC- Permanent Removable Core, Disposable plastic Core- provided
	11-63-	Device provided with XC- Removable Core Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Device provided with Keyed construction core to accept XC- Removable Permanent Core (ordered separately)
XC- Small Format Interchangeable Core	**11-70-7P-**	Device to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-	Device to accept XC- SFIC (7-pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P-	Device provided with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P-	Device provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose)

Note: For V-10 Cylinders and information, contact ASSA, Inc @ 800-235-7482

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Cylinder Options

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CYLINDER OPTIONS:

Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems Only) (N/A with 10-, 11-, 63- or 73-)
Old Style Removable Core	**51-**	Removable Core Cylinder (Old Style) provided (existing systems only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (existing systems only)
Large Format Interchangeable Core (Removable Core)	**60-**	Device to accept SARGENT Permanent Removable Core, Disposable plastic Core provided (Permanent Cores ordered separately)
	63-	Device provided with Removable Core Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Device provided with Keyed construction core to accept Removable Permanent Core (ordered separately)
Small Format Interchangeable Core	**70-**	Device to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-	Device to accept 6- or 7-Pin SFIC (6-Pin Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)
	73-	Device provided with 6-pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Device provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	65-73-7P-	Device provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	73-7P-	Device provided with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying)
Keso & Keso F1	**81-**	Device provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores ordered separately)
	82-	Device provided with SARGENT Keso Security Cylinder
	F1-82-	Device provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Device provided with SARGENT Keso Security Removable Core cylinder
	F1-83-	Device provided with SARGENT Keso F1 Security Removable Core cylinder (Patented)
	84-	Device provided with SARGENT Keso Construction Cores (Permanent Cores ordered separately)
Added Security	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	**LC-**	Less Cylinder - SARGENT supplies standard blocking rings for 1-1/8" Cylinders (For longer cylinders order collars/rings separately)
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted
	SE-	Schlage E keyway cylinder, 0 bitted

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Kits

ROD REPLACEMENT KITS

Product	Top Rod Kit *	Bottom Rod Kit **
3	670T	670B

Note: Finish Information Required
* Door Height & Rail Location Required
** Rail Location Required

571 ROD EXTENSION KITS

- For use on surface mounted vertical rods
- Kits available in 6" (15.2cm), 12" (30.4cm) or 18" (45.7cm) lengths

To order: Specify length and finish
Example: 571-6" x 26D

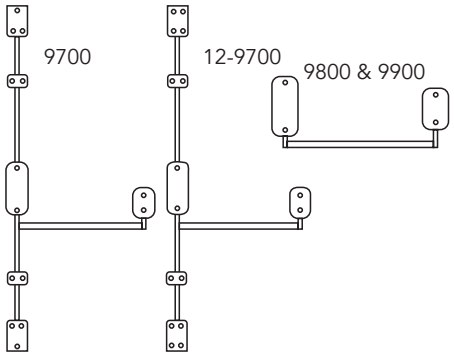
THROUGH-BOLTS

Device	Through-bolts	*Ordering
9800	4	97-2578
9900	4	97-2578
12-9800	4	97-2578
12-9900	4	97-2578
9700	14	97-2579
12-9700	14	97-2596

***Specify Finish**

To order Through-bolts, specify TB- Option. Examples: TB-9804 x FLL x RHR x 32D. Through-bolts and mortise nuts must be specified to mount fire exit devices on composite fire doors with steel, wood or plastic covering.

CENTER BEARING BRACKET



All exit devices used on doors 48" wide and wider will be furnished with a matching center bearing bracket at an additional charge. This bracket assists in supporting the long crossbar and adds an extra spring to help counter balance the crossbar.

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Finishes and Finish Care

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FINISHES

SARGENT #	BHMA#	Description	How to clean	Avoid these cleaners
3	605	Polished brass, clear coated	Mild non-abrasive detergent with damp cloth or sponge	Abrasive cleaners, bleach solvents, steel or bronze wool
4	606	Satin brass, clear coated		
9	611	Polished bronze, clear coated		
10	612	Satin bronze, clear coated		
BSP	—	Black Suede Powder Coat		
WSP	—	White Suede Powder Coat		
10B	613	Oxidized bronze, oil rubbed	Lemon oil polished with dry cloth	Abrasive cleaners, bleach solvents, steel or bronze wool
10BE	613E	Dark oxidized satin bronze, equivalent		
10BL+	614	Oxidized satin, bronze, clear coated	Mild non-abrasive detergent with damp cloth or sponge	Abrasive cleaners, bleach solvents, steel or bronze wool
20D	624	Statuary dark bronze, clear coated		
32**‡	629**	Polished stainless steel		
32D**‡	630**	Satin stainless steel	Plastic pad or bronze wool	Cleaners, solvents, bleach, steel wool

+ **Note:** Finish not available, 9400 / 12-9400

** Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 26 or 26D is automatically supplied as a trim finish when 32 or 32D is specified for the exit device finish. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.

Note: Arms Nickel Plated to match 32 and 32D
Note: FLW Trim is NOT available in 32 or 32D
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D except FLW which is available in 14 and 15.

LOCK/CYLINDER FINISH

Device Finish	Cylinder/Core*
03, 04, 09, 10, 10B, 10BE, 10BL, 20D	04
32, 32D, WSP	15
BSP	BSP

*Finish when cylinder provided with device

TO AVOID DISCOLORATION AND PITTING:

- Keep stainless steel away from contact with other metals
- Avoid cleaning with mineral acids or chlorine products
- Avoid cleaning with abrasive products like sandpaper or steel wool

TO MAINTAIN THE FINISH:

- Remove any contamination before damage occurs
- Protect with a metal polish or car wax

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How to Order

HOW TO ORDER EXIT DEVICES

Example Order:

12-	99	75	ETMR	12VDC	RHR	26D	32D	36"	84"	36"
Options	**Device Type**	**Function**	**Trim**	**Voltage**	**Hand Finish**	**Outside Finish**	**Inside Finish**	**Door Width**	**Opening Height**	**AFF**
Available Options Listing Pgs 18-19	99 - Mortise 98 - Rim 97 - SVR 94 - CVR Narrow	04 - Night Latch 06 - Night latch 10 - Dummy 13 - Classroom 15 - Passage 28 - TP Passage 63 - TP Classroom 73 - Solenoid Fail Safe 74 - Solenoid Fail Secure 75 - Solenoid Fail Safe w/Cyl 76 - Solenoid Fail Secure w/ Cyl	For ET trim specify ET followed by Lever design, See pages 13-16 For Thumb Piece Trims and Pulls specify Trim Designation as specified by Device Type For 300 Series Auxiliary Controls; specify 306 or 313 with 10, 73 or 74 Function Devices	12VDC 24VDC Voltage required for Solenoid Controlled Functions - 73, 74, 75 & 76	RHR LHR	Available Finishes page 26	Inside Finish Available Finishes page 25	If door width is supplied Cross Bar will be cut to size	Required for Vertical Rod Exit Devices	36" Cross Bar above finished floor for std application

Legend
AFF - Above Finish Floor
ET - SARGENT External Lever Trim
CVR - Concealed Vertical Rod
TP - Thumb Piece Trim
SVR - Surface Vertical Rod

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Ordering Gramercy Series Levers

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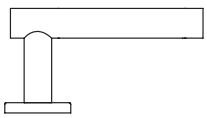
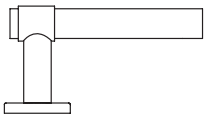
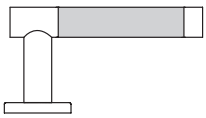
GRAMERCY SERIES LEVERS



REM, RGM



RCM



RAG, RAL, RAM, RAS

GRAMERCY FINISH CODES

ANSI/BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

GRAMERCY LEVER DESCRIPTIONS & AVAILABLE FINISHES

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK30, 30BN30, 29BK30, 29BN30, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Satin Metal Insert	2930 only (SEE NOTATION)
RAS	Santoprene Insert	30BK30, 29BK29, 3EBK3E, BSBKBS or WSBKWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

- 2930 Finish: grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32
- 3029 Finish: grip of lever is 32, balance of lever is 32D. Rose/escutcheon and lock finish will be 32D

Notes for Two-tone finishes:

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the ANSI/BHMA standard finish code, i.e. use “29” for polished stainless, ANSI/BHMA finish 629

How to specify:
90 Series Exit Devices x ET trim with Gramercy levers

					Gramercy Lever Information								
Options	Series	Functions	Voltage	Trim	Lever	Shank Finish*	Insert Finish	Grip Finish	Hand	Inside Finish	Door Width	Opening Height	AFF
select from pages 20-21	90 Series	select from pages 4-12	specified for electrical functions		Leather insert	polished or satin stainless	black or brown	polished or satin stainless	RHR, RH, LHR, or LH	select from page 25		For vertical rod devices	Above Finished Floor
54-	97	75	12VDC	ET	RAL	29	BN	29	RH	32D	36"	84"	36"

Gramercy Levers are available with E2, E3, E4, O, CO, TO, LN, CR, TR roses and CE, TE, LE1, VN1 escutcheons

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Architectural Specifications

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SUGGESTED ARCHITECT'S SPECIFICATION

- All exit devices must be listed under "panic hardware" in accident equipment list of Underwriters' Laboratories
- All exit devices, regardless of type, shall be of matching design
- Crossbar must have minimum wall thickness of .062" or be reinforced
- Main arm pivots shall be stainless steel
- Springs shall be stainless steel
- Crossbars and arms shall be counter balanced by springs in both center case and hinge style cases
- All exit devices shall be of chassis mounted unit construction with removable covers
- Top and bottom rods of vertical rod devices shall be a minimum of 3/8" diameter
- Where labeled fire doors are used as exits, they must be equipped with labeled fire exit hardware
- All crossbars on exit devices to be locked down by inside dogging feature accomplished by depressing crossbar and turning key

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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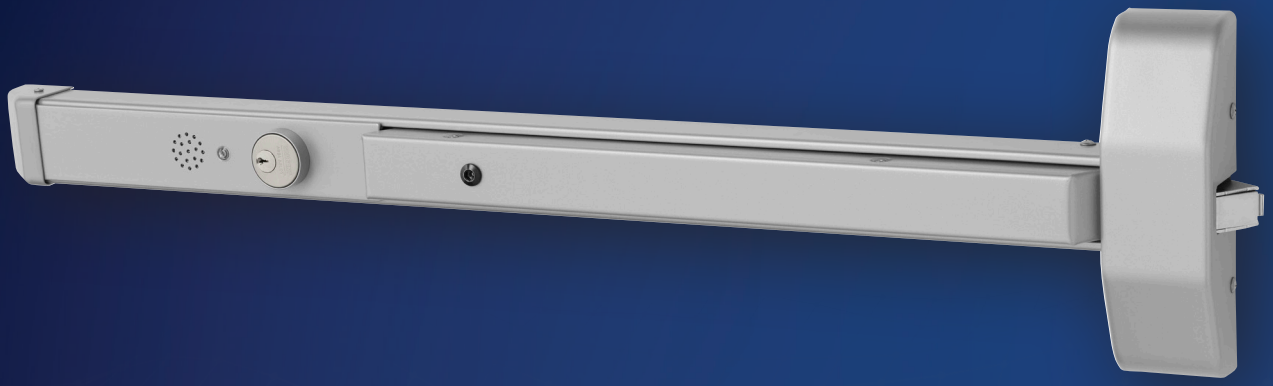
90128 10/25

SARGENT®

ASSA ABLOY

PRODUCT CATALOG

5300 Series Alarmed Exit Device



Experience a safer
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ASSA ABLOY

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⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

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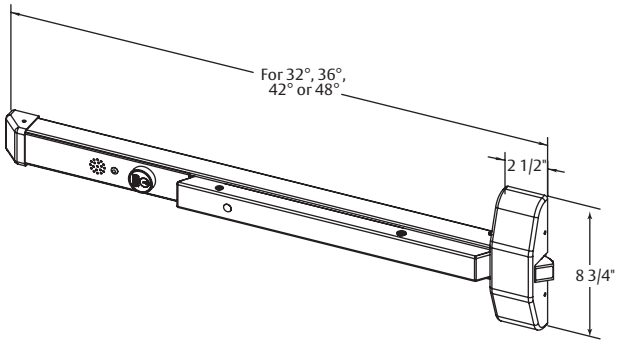
Features



SARGENT's 5300 Series alarmed exit devices are designed for areas requiring a standalone alarm on outward swinging doors. An integrated alarm in the push rail discourages the unauthorized use of emergency exits doors, with the alarm sounding immediately upon exit. The 5300 Series is ideal for rear exterior doors, door leading to a rooftop, or anywhere security is a concern.

FEATURES

- Microprocessor based alarm board
- When armed, alarm sounds immediately upon rail depression
- All exit devices have tamper resistant latching (Guarded Latch)
- Battery powered – 9VDC
- 103 Db @ 8 ft pulsating horn
- Flashing red LED provides visible violation indication, reset by key only
- Low battery alert
- Automatic re-arming option
- Supplied with a #41 (1-1/8") with standard off set cam
- UL Listed and cUL Listed
- UL Listed to Canadian Safety Standards
- Rail Monitoring & Guarded Latch are standard internal features
- Minimum Door Widths:
  - E-32" only; F-36"-34"; J-42"-37"; G-48"-43"
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements (if hard wired)
- Complies to ANSI/BHMA A156.3 and A117.1
- Painted finishes: EN, EB, and ERD
- Plated finishes: BSP and 32D
- Touch bar assembly and cover (5300 & 12-5300) are rolled steel, and the chassis is nonferrous alloy
- 1-3/4" thick standard with a 4-1/2" minimum stile width. Furnished with wood and machine screws
- Through-bolts and mortise nuts are available to order
- The 5300 Series come standard with the dogging feature. The 12-5300 comes standard with the less dogging (LD) option

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Functions

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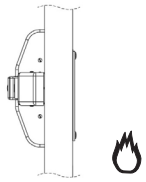
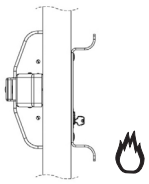
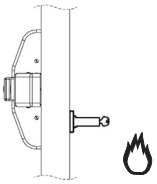
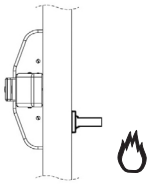
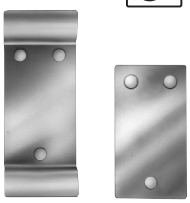
Functions marked by symbol are available as Fire Exit Hardware.

	10 Exit only. No Outside operation.	04 Key retracts latchbolt. Activating key will cause unit to enter 15 second delay mode.	13 Key locks or unlocks lever. Activating lever will cause unit to enter 15 second delay mode.	15 Similar to 13 with no outside cylinder, lever always operative. Rotating lever will sound alarm.
Functions available for 5300 & 12-5300				
Trims available for both 5300 & 12-5300	 88-DL  53 D GTB 53 E GTB	 88-KL 53 K HTB	 88-CL	 88-LL

To cover a 161 cutout (Pull) 53 D GTB, (Cover plate) 53 E GTB or (Pull with cylinder cutout) 53 K HTB may be used. This trim is furnished with 3 mortise nuts and screws for 1-3/4" doors.

To order specify trim x finish

Example: 53 K HTB x EN

53 K HTB

53 D GTB

53 E GTB

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Specifications, Architectural Options, How to Order & Finishes

SUGGESTED ARCHITECTURAL SPECIFICATIONS

1. All alarms to be 9 volt battery powered
2. Devices to be equipped with piercing audible alarm signal
3. Forcing latchbolt will sound alarm
4. All devices to possess solid state electronics
5. All devices to be non-handed or reversible
6. Removing cover will sound alarm

HOW TO ORDER 5300 SERIES ALARMS (TRIM SOLD SEPARATELY)

36- **Options**	5300 **Series**	13 **Function**	EN **Finish**
Listed on this page	53	04	EN, EB, ERD, 32D, BSP
		10	
		13	
		15	

Option	Descriptions and Availability
10-	Signature System
11-	SARGENT XC Key System
12-	UL Fire Label Exit Devices
21-	Construction Keying Conventional, XC and Signature Series
36-	6 Lobe security head screws
37-	Spanner head screws
82-	Keso Security Cylinder
94-	Automatic Re-Arm
BR-	Bump Resistant Cylinder (Available with Conventional & XC Cylinders Only)
SC-	Schlage C Keyway cylinder, 0-bitted
SE-	Schlage E Keyway cylinder, 0-bitted
TB-	Through Bolts
- All Alarmed Exit Hardware includes cylinders where applicable.	

HOW TO ORDER TRIM FOR 5300 SERIES EXIT DEVICES (ALARM SOLD SEPARATELY)

Example:

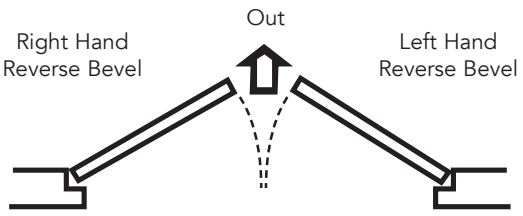
11-	**88-C-LL**		**26D**
Options	**Available Trim & Function Designation**		**Available Finishes**
Listed on this page	**Lever & Rose Trim**		**Lever & Rose Finishes**
	88-K-LL (04 Function)	88-C-LL (13 Function)	26D, BSP
	88-D-LL (10 Function)	88-L-LL (15 Function)	
	Trims & Pulls		**Finishes**
	53 K HTB (04 Function)		EN
	53 E GTB (10 Function) Exit Only		EB
	53 D GTB (10 Function) Pull		ERD

OPTION DESCRIPTIONS

Automatic Rearming (94-Option)
The 5300 and 12-5300 equipped with spring loaded on/off switch.

- Switch returns to "on" position after removal of key
- Alarm always on
- Can be added in the field (Order part 32-7097)

HANDING CHART



FINISHES

Symbol	Description
EN	Polyester Powder coated to match US28
EB	Polyester Powder coated to match US10B
ERD	Polyester Powder coated – Red
32D	Dull Stainless Steel (Rail Assemblies)
BSP	Black Suede Powder Coat

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

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

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SARGENT Manufacturing Company
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800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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PRODUCT CATALOG

Alarmed Exit Hardware

DISCONTINUED

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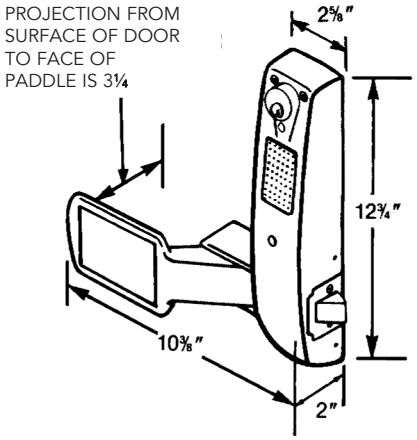
On The Cover

SARGENT 5810 Alarmed Exit Hardware

⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

5100 Series Alarmed Exit Lock



5100 Series

Features of the 5100 Alarmed Exit Lock

Materials For Doors	Paddle, cover and chassis are nonferrous alloys 1-3/4" thick standard with a 4-1/2" minimum stile width. Furnished with wood and machine screws. Through-bolts and mortise nuts are available on order.
Hand	Reversible. Exit alarms are packed right hand reverse bevel (RHRB).
Strike	649
Electronics	Modern, solid state circuitry.
Power Source	Battery powered by a 9 volt alkaline-type. Quick disconnect is provided for fast, easy battery maintenance. Current draw is 130 mA.
Alarm	Dual frequency pulsating-type horns are provided to cover a wide range of hearing sensitivities. Horns are activated by any unauthorized latchbolt movement or the attempted removal of the cover. Authorized exit is permitted for approximately 15 seconds after activation to permit a person to pass through the door without sounding the alarm. The horns, once activated, will sound for approximately two minutes, then shut off and automatically rearm. An optional continuous alarm is available on order.
Memory LED Light	A red LED alarm light is provided which flashes to indicate a violation has occurred. The LED will continue to flash beyond the alarm cycle to indicate where the violation has occurred. The LED light can be turned off only by inside key operation.
Low Battery Alert	The horn will "chirp" on an intermittent basis.
Latchbolt	Stainless steel. A full 3/4" bolt is monitored by an electronic sensing system.
Cylinder Operation	Key inside arms and disarms unit. The horn will emit a short "chirp" as the colored alarm indicator flag is switched to the ON position. The unit has a 15 second delay feature to allow for exit. Mortise cylinder 41 furnished. The latchbolt can be retracted from the outside only. A 15 second delay feature allows the key holder to enter without be unaffected by the outside cylinder operation. Specify alarm series x 04 function. Rim Cylinder 34 furnished.
UL Listed	For Exit Lock.
ANSI Standards	5100 conforms to A156.5. Complies with A117.1 for Accessibility Standards.
Painted Finishes	EN, EB, EAB, ERD, ED & EP.
Plated Finishes	10, 10B, 10BE, 26, 26D.

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

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5800 & 12-5800 Series Alarmed Exit Devices

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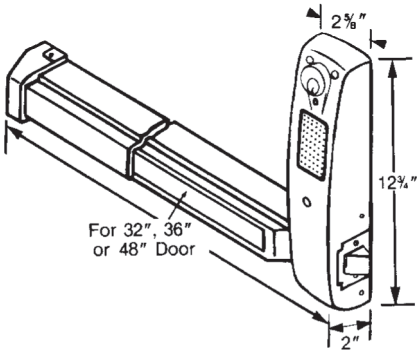

5800 Series

Features of 5800 & 12-5800

Materials For Doors	Touch bar assembly (5800 & 12-5800) is rolled steel. Cover and chassis are nonferrous alloys 1-3/4" thick standard with a 4-1/2" minimum stile width. Furnished with wood and machine screws. Through-bolts and mortise nuts are available on order.
Touch Bar	Specify "E" for 24"-32" doors, "F" for 33"-36" doors, or "G" for 37"-48" wide doors. The 5800 Series furnished with lock down feature. The 12-5800 Series furnished less lock down feature.
Hand	Reversible. Exit alarms are packed right hand reverse bevel (RHRB).
Strike	649 strike supplied standard for panic and fire rated.
Electronics	Modern, solid state circuitry.
Power Source	Battery powered by a 9 volt alkaline-type. Quick disconnect is provided for fast, easy battery maintenance. Current draw is 130 mA.
Alarm	Dual frequency pulsating-type horns are provided to cover a wide range of hearing sensitivities. Horns are activated by any unauthorized latchbolt movement or the attempted removal of the cover. A 15 second delay feature allows the alarm to be activated while the door is open permitting a person to pass through the door without sounding the alarm. The horns, once activated, will sound for approximately two minutes, then shut off and automatically rearm. An optional continuous alarm is available on order.
Memory LED Light	A red LED alarm light is provided which flashes to indicate a violation has occurred. The LED will continue to flash beyond the alarm cycle to indicate where the violation has occurred. The LED light can be turned off only by inside key operation.
Low Battery Alert	The horn will "chirp" on an intermittent basis.
Latchbolt	Stainless steel. A full 3/4" bolt is monitored by an electronic sensing system.
Cylinder Operation	Key inside arms and disarms unit. The horn will emit a short "chirp" as the colored alarm indicator flag is switched to the ON position. The unit has a 15 second delay feature to allow for exit. Mortise cylinder 41 furnished. The latchbolt can be retracted from the outside only. A 15 second delay feature allows the key holder to enter without the alarm being sounded. If a violation has occurred, the LED alarm light will be unaffected by the outside cylinder operation. Specify alarm series x 04 function. Rim Cylinder 34 furnished.
UL Listed	UL listed for Panic & 12-5800 UL Listed for Panic and Fire Exit Hardware.
ANSI Standards	5800/12-5800 conform to A156.3 and comply with A117.1 for Accessibility Standards.
Painted Finishes	EN, EB, EAB, ERD, ED, EP.
Plated Finishes	10, 10B, 10BE, 32, 32D.

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

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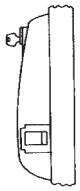
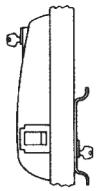
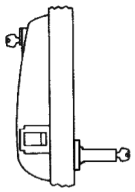
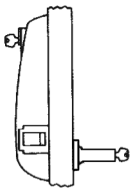
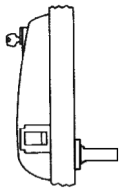
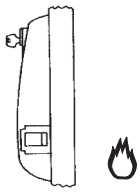
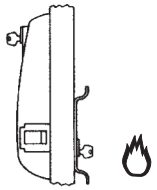
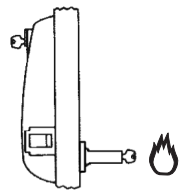
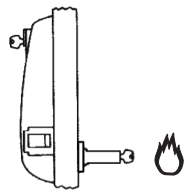
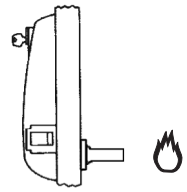
Functions

Functions marked by symbol are available as Fire Exit Hardware.

	10	04	06	13	15
	Exit only. No Outside operation.	Key retracts latchbolt. Activating key will cause unit to enter 15 second delay mode.	Key unlocks lever, lever retracts bolt, lever is locked when key is removed. Key causes unit to enter 15 second delay mode.	Key locks or unlocks lever. Activating lever will cause unit to enter 15 second delay mode.	Similar to 13 with no outside cylinder, lever always operative. Rotating lever will sound alarm.
Functions available for 5100					
Functions available for 5800 & 12-5800					
Trims available for both 5100, 5800 & 12-5800	28-D-LL 810-GTB 802-GTB	28-K-LL 814-GTB	28-N-LL	28-C-LL	28-L-LL

To cover a 161 cutout (Pull) 810-GTB, (Cover plate) 802-GTB or (Pull with cylinder cutout) 814-GTB may be used. This trim is furnished with 3 mortise nuts and screws for 1-3/4" doors.
To order specify trim x finish
Example: 814-GTB x EN

814-GTB

810-GTB

802-GTB

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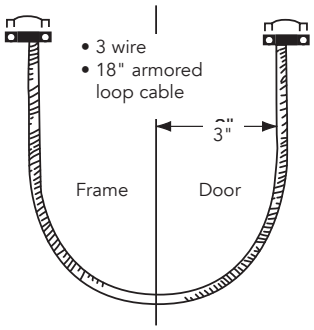
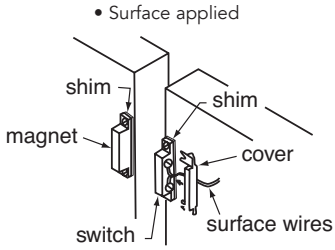
Accessories

ACCESSORIES

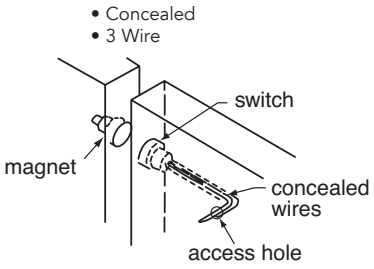
3261 ARMORED DOOR LOOP
ORDER AS A 3261



3285 DOOR STATUS SWITCH
ORDER AS A 3285



3287 DOOR STATUS SWITCH
ORDER AS A 3287



3267 9VDC POWER SUPPLY

The 3267 provides filtered and regulated 9 VDC, 700 mA remote power for Profile Series locks and alarmed exit hardware products (5100, 5800, 12-5800, AL-80 Series)

- Can supply power to: 2 Profile Series locks; 6 Alarmed Exit devices (5100, 5800 or 12-5800); or 10 AL-80 Series devices
- Can be used with all options (91-, 92-, 93-, 94- options)
- Outside dimension: 6" x 8" x 3"
- Voltage: 9VDC 700 mA output – 120VAC Input
- UL / cUL Listed, Class II
- Optional 12 VDC Gel Cell battery allows for continuous operation in event of a power failure
- Includes: Plug-In wall transformer (52-0255) and (52-0258) 12' (3.6m) of shielded wire for connection between power transfer and power supply

* Recommended for new opening. Retrofit application may require surface mount wire mold and transfer loop by others.

REPLACEMENT PARTS FOR 3267 9VDC POWER SUPPLY

52-0255 Plug-In Wall Transformer
- Output 16.5 VAC, 2.4 Amps
- UL/cUL Listed
- Provides input power to Model 3267 Remote Power supply module

52-0258 Remote Power
- Cable Assembly-Power Supply to Power Transfer
- 12' (3.6m) shielded cable from the power to the power supply

52-2498 Remote Power
- 9 VDC, 700 mA Power Supply circuit board
- Replacement circuit board assembly

52-0256 GEL CELL BATTERY
- Optional for 3267 Remote Power supply
- Provides for continuous operation of Profile Series and Alarmed Exit devices in the event of a power failure
- 12 VDC 1.2 A/Hr rating
- 10,000 cycles typical in the event of power failure

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Options & Finishes

OPTIONS

12	Fire Exit Hardware (available for 5800 only)	12-5810
91	Remote Power	91-5104
93	Continuous Alarm	93-5110
94	Automatic Rearming	94-5813

OPTION DESCRIPTIONS

Remote Power (91-Option)
The 5100, 5800, 12-5800 Alarmed Exit Hardware are available for use with external power.
- Units furnished pre-wired with 8 foot leads and instructions for installation
- Can be used in conjunction with a 9VDC Hard Wired Power Supply (3267) or by other remote 9 volt power source

Remote Monitoring (92-Option)
The 5800 and 12-5800 are available with remote monitoring.
- Units furnished pre-wired with 8 foot leads and instructions for installation
- Closed loop circuitry provides optimum security
- Monitors alarm status

Continuous Alarm (93-Option)
The 5100, 5800 and 12-5800 are available with a continuous alarm.
- Horns sound continuously once unit enters alarm mode
- Only disarming by key will silence the alarm
- Remote power recommended

Automatic Rearming (94-Option)
The 5100, 5800 and 12-5800 equipped with spring loaded on/off switch.
- Switch returns to "on" position after removal of key
- Alarm always on
- Can be added in the field (Order part 32-7097)

FINISHES

Symbol	Description
ED	Polyester Powder coated to match US20D
EN	Polyester Powder coated to match US28
EB	Polyester Powder coated to match US10B
ERD	Polyester Powder coated – Red
EAB	Polyester Powder coated to match US3
10	Dull Bronze
10B	Oxidized Dull Bronze, oil rubbed
10BE	Dark oxidized satin bronze, equivalent
26	Bright Chrome
26D	Dull Chrome
32	Bright Stainless Steel (Rail Assemblies)
32D	Dull Stainless Steel (Rail Assemblies)

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Specifications, Architectural Options & How to Order

SUGGESTED ARCHITECTURAL SPECIFICATIONS

1. All alarms to be 9 volt battery powered
2. Devices to be equipped with piercing audible alarm signal
3. Forcing latchbolt will sound alarm
4. All devices to possess solid state electronics
5. All devices to be non-handed or reversible
6. Removing cover will sound alarm

HOW TO ORDER 5100/5800 ALARMS (TRIM SOLD SEPARATELY)

36- **Options**	51 **Series**	13 **Function**	EN **Finish**
Listed on this page	51	04	EN, EB, EAB, ERD, ED, EP, 10, 10B, 10BE, 26*, 26D*, 32** & 32D**
	58	10	
		13	
		15	

* Available for 5100 Series Only

** Available for 5800 Series Only

Option	Descriptions and Availability
10-	Signature System
11-	SARGENT XC Key System
12-	UL Fire Label Exit Devices (5800 Only)
21-	Construction Keying Conventional, XC and Signature Series
22-	Construction Keying Conventional Cylinders (Existing Systems Only)
36-	6 Lobe security head screws
37-	Spanner head screws
82-	Keso Security Cylinder
91-	Remote Power (Requires 3263 Power Supply)
92-	Remote Monitoring
93-	Continuous Alarm
94-	Automatic Re-Arm
BR-	Bump Resistant Cylinder (Available with Conventional & XC Cylinders Only)
SC-	Schlage C Keyway cylinder, 0-bitted
SE-	Schlage E Keyway cylinder, 0-bitted
TB-	Through Bolts

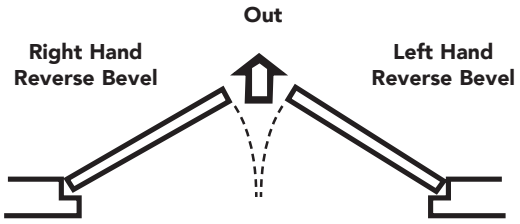
- All Alarmed Exit Hardware includes cylinders where applicable.

HOW TO ORDER TRIM FOR 5100 & 5800 EXIT DEVICES (ALARM SOLD SEPARATELY)

Example:

11-	**28-C-LL**		**26D**	
Options	**Available Trim & Function Designation**		**Available Finishes**	
Listed on this page	**Lever & Rose Trim**		**Lever & Rose Finishes**	
	28-K-LL (04 Function)	28-C-LL (13 Function)	10	10B
	28-N-LL (06 Function)	28-L-LL (15 Function)	10BE	26
	28-D-LL (10 Function)		26D	
	GTB Trims & Pulls		**GTB Finishes**	
	814-GTB (04 Function)		EN	EB
	802-GTB (10 Function) Exit Only		ED	EP
	810-GTB (10 Function) Pull		EAB	ERD

HANDING CHART



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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90132 10/25

SARGENT®

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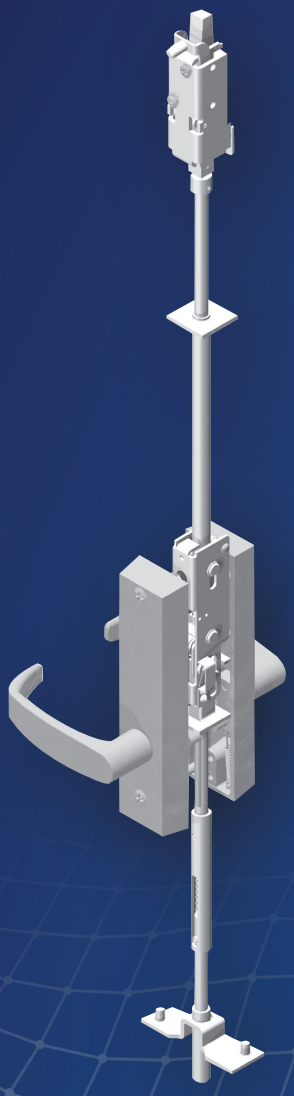
PRODUCT CATALOG

7000 Series Multi-Point Lock



Experience a safer
and more open world

SARGENT
ASSA ABLOY

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ECOFLEX® TECHNOLOGY

SARGENT EcoFlex trim reduces energy consumption, which lowers operating costs and reduces the number of power supplies required.

- Field configurable to fail-safe or fail-secure, and operates from 12-24VDC, offering greater flexibility in system design
- Superior reliability through higher performance and reduced maintenance
- Longer cable runs without negatively impacting lock function
- Reduced risk of voltage drops and eliminates inductive kickback
- Lowers the total cost of ownership

MICROSHIELD® TECHNOLOGY

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a registered trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

AGION® TECHNOLOGY

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

On The Cover

701515ETL

WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

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Introduction & UL Chart

The 7000 Series Multi-Point Lock is ideal for security applications and joins the SARGENT line of multi-point door security devices including:

- The FM7100 Multi-Point auto deadlocking system
- Exit Devices with the choice of concealed or surface mounted vertical rods

Eliminating the need for automatic flushbolts and coordinators, the 7000 Series provides flexibility, simplicity, strength, durability, aesthetics and innovation and is perfect for a wide variety of applications where exit devices are not required.

7000 Series Vertical Rod locks are available for aluminum, wood and metal doors. Single point top latching can also be specified, eliminating the bottom strike and the additional installation work required with a bottom bolt. The single point device is specified with the NB- option.

Rods are retracted by dual mounted controls with a variety of functions available.

The 7000 Series is available for fire rated openings as a 12- for wood or metal doors.

Thermal pin requirements for fire rated doors:

- Double doors with two point latching on each do not require thermal pins
- Double doors with single point latching (NB-) on each require a total of 2 thermal pins, one thermal pin (supplied) for each device
- Not fire rated for single door application

INNOVATION

- The 7000 Series is available with a variety of electro-mechanical solutions, including bolt monitoring, solenoid activated trim and inside and outside lever monitoring

SECURITY

- Torx® and spanner screws available
- Master keying with Sargent Security Key systems available (Degree®, Signature, Keso F1, Keso and XC)

STRENGTH AND DURABILITY

- Heavy duty mounting construction
- Built to withstand abusive conditions
- 5 Year warranty

AESTHETICS

- Clean, simple, aesthetically pleasing design
- "True" architectural hardware finishes consistent with BHMA/ANSI standards
- *Coastal Series* and *Studio Collection decorative* levers available

SIMPLICITY

- Easy installation!
- Maintenance free design
- Few moving parts – less wear
- Modular construction

Application	Device	Maximum Door Opening	UL Fire Door Hardware Rating				
			3 Hours (A)	1-1/2 Hour (B)	3/4 Hour (C)	20 min.	Notes
Pair of Doors Swinging in Same Direction	12-7000 x 12-7000	8' x 10' Hollow Metal	X	X	X	X	1A, 1B
	12-NB-7000 x 12-NB-7000	8' x 10' Hollow Metal	X	X	X	X	1A, 1B, 2A
	12-WD7000 x 12-WD7000	8' x 8' Wood		X	X	X	1A, 1B
	12-NB-WD7000 x 12-NB-WD7000	8' x 8' Wood		X	X	X	1A, 1B, 2B
Pair of Doors Swinging in Opposite Directions	12-7000 x 12-7000	8' x 10' Hollow Metal	X	X	X	X	1B
	12-NB-7000 x 12-NB-7000	8' x 10' Hollow Metal	X	X	X	X	1B, 2A
	12-WD7000 x 12-WD7000	8' x 8' Wood		X	X	X	1B
	12-NB-WD7000 x 12-NB-WD7000	8' x 8' Wood		X	X	X	1B, 2B

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

Note 1A: An astragal cannot be used when both doors are active

Note 1B: Door construction limitations or building code may require the use of an astragal to match the maximum hardware listing

Note 2A: Hardware listing requires 2 thermal pins, door-to-door orientation

Note 2B: Hardware listing requires 2 thermal pins, door-to-floor orientation

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Windstorm Certifications

WINDSTORM CERTIFICATIONS: FLORIDA BUILDING CODES & UL LISTINGS

SARGENT Manufacturing's products meet building codes that require hurricane and windstorm certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. The WS-12-7000 and HC-12-7000 devices are rated to a design pressure of +/- 86.

Florida Building Code: FL2998
UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI-BHMA A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ANSI/ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the "Florida Building Code"

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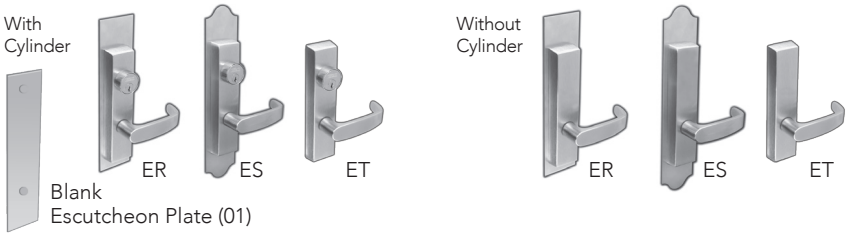
ET, ER & ES Trims

TRIM OPTIONS

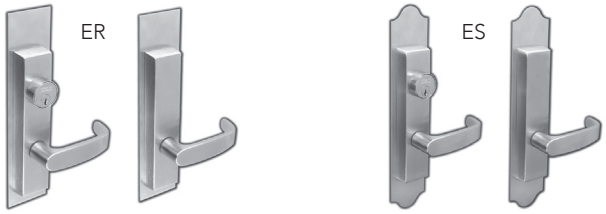


WOOD DOOR TRIM OPTIONS WITH BACK PLATES

The back plates are:

- Mounted between the trim and the door
- Required for wood doors (WD-)
- Optional on metal doors

Note: May be used to cover existing door preps



ER,ES & ET LEVER CONTROLS

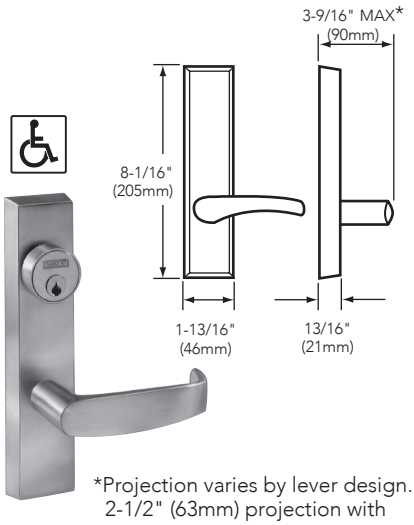
Easy operating lever handle allows convenient one hand operation. Coastal, Studio & standard levers are either brass or bronze. Stainless steel levers are available in standard designs only. The control is brass, plated as required.

Features EcoFlex®.

The outside trim is specified as a -2 control with function specified (e.g., 713-2 ET, 713-2 ER & 713-2 ES x lever design, hand & finish).

The inside control is a MP and -2 control with function specified (e.g., MP715-2 ET, MP715-2 ER or MP715-2 ES x lever design, hand & finish).

Note: 73 & 74 functions require the voltage to be specified, 12V or 24V.



*Projection varies by lever design. 2-1/2" (63mm) projection with L Lever

100 SERIES AUX CONTROL

- T100 Series Control offers key override for 01, 10, 40, 73 & 74 function devices
- Available functions are 06 & 13
- Supplied with a SARGENT #41 mortise cylinder

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Standard & Coastal Lever Designs

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STANDARD LEVERS

A Lever Design

- Lever: A-Solid forged or cast
- Must specify hand when ordering

B Lever Design

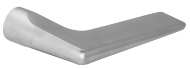
- Lever: B-Solid forged or cast

E Lever Design

- Lever: E-Solid forged or cast

F Lever Design

- Lever: F-Solid forged or cast



J Lever Design

- Lever: J-Solid bar stock

L Lever Design

- Lever: L-Solid forged or cast

P Lever Design

- Lever: P-Solid forged or cast

W Lever Design

- Lever: W-Solid bar stock

COASTAL SERIES™ LEVERS

Solid Cast Brass

G - Gulfport™

- Must specify hand when ordering

R - Rockport™

- Must specify hand when ordering

S - Sanibel™

- Must specify hand when ordering

Y - Yarmouth™

- Must specify hand when ordering

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Studio Collection Levers

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Studio Collection trim is available in a broad array of designs and finishes. It allows for uniformity throughout a facility using the 8200, R8200 and 7900 Series Mortise Locks, Access Control Products, 80 Series Exit Devices, DL and RDL Series Tubular Locks.

All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.

Centro Series

MD

MJ

MP[2]

ND[1]

NJ[1]

Notting Hill Series

(MA & MO are Non-Handed Levers)

MA[2]

MQ[2]

MT[3]

MO[2]

MZ[1,2]

GT

Aventura Series

MB

ME

MF

NF[1]

MG

MI

MW[1]

[1] Lever returns within 1/2" (13mm) of door face
[2] Not available in 32D or 32 finish

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Studio Collection Levers

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Odéon Series
(Handed Levers)

MN[4]

MH[4]

MS[4]

MU[4]

MV[4]

NU[1,4]

WG

Gramercy Series[2]

RCM

RAL

REM

RAM

RAS

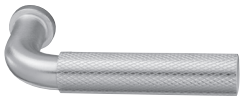
RAG

RGM

Berlin Series

H015

H016[1]


H017

H018

Wooster Square[3]

H001

H002[1]

H003

H004

H005[1]

H006[1]

Grant Park
(H008 Lever is Handed)

H007

H008

H011

[1] Lever returns within 1/2" (13mm) of door face
[2] Gramercy levers are customized. See page 50 for ordering information
[3] H003-H006 - Contain white or black polycarbonate inserts. Not available with MicroShield® antimicrobial coating.
[4] Not available in 32D or 32 finish

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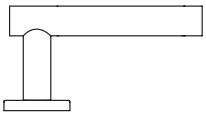
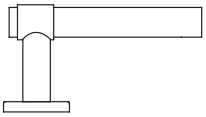
How to Order Gramercy Series Levers

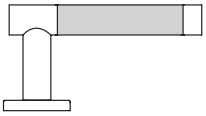
GRAMERCY SERIES LEVERS



REM, RGM



RCM



RAG, RAL, RAM, RAS

GRAMERCY FINISH CODES

ANSI/BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

GRAMERCY LEVER DESCRIPTIONS & AVAILABLE FINISHES

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK30, 30BN30, 29BK30, 29BN30, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Satin Metal Insert	2930 only (SEE NOTATION)
RAS	Santoprene Insert	30BK30, 29BK29, 3EBK3E, BSBKBS or WSBKWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

Notes for Two-tone finishes:

- 2930 Finish: grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32
- 3029 Finish: grip of lever is 32, balance of lever is 32D. Rose/escutcheon and lock finish will be 32D

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the ANSI/BHMA standard finish code, i.e. use "29" for polished stainless, ANSI/BHMA finish 629

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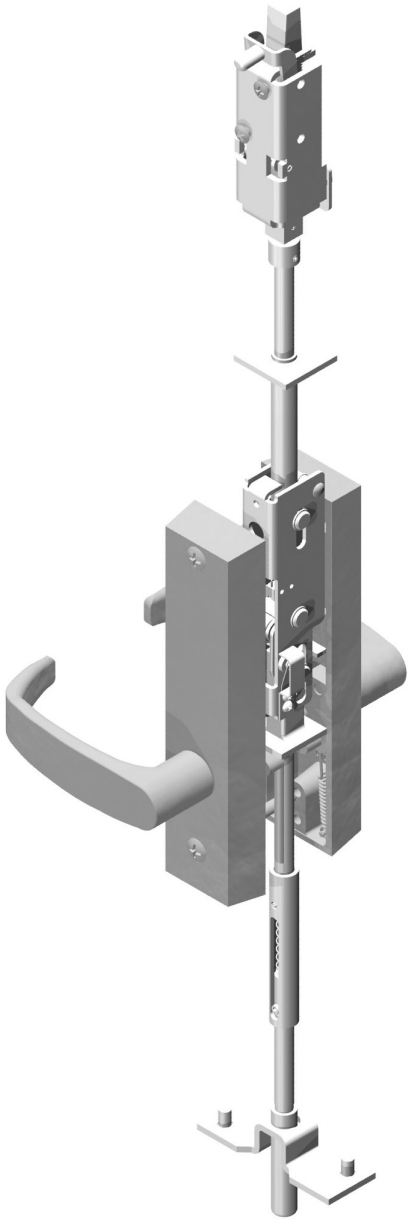
7000 Series
Multi-Point Lock



FEATURES

- Designed for metal door applications with 2-1/4" Backset
- Concealed rods offer additional security
- Less bottom rod option available, specified as NB-7000 and 12-NB-7000
- NB- provides free access for wheel chairs and carts
- Single or double door applications
- UL Fire Listed: 12-7000 / 12-NB-7000 (12-NB- is for double door applications only)
- UL Certified to ZHEM.R21744 (HC and WS option)

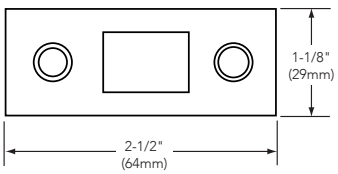
SPECIFICATIONS

For Doors	Metal doors, 1-3/4" (44mm) door thickness standard, 3-7/8" minimum stile, 2-1/4" backset standard
Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Field reversible; specify RHR, LHR, RH or LH
Top and Bottom Bolts	Stainless steel. Top and bottom bolt travels 7/16" (11mm). Projection adjustable up to 1" (25mm).
Latching	Top and bottom (7000, 12-7000) or Top only (NB-7000, 12-NB-7000)
Fire Exit Hardware	See chart page 3
Trim	ET, ER & ES Controls are available with all lever designs. 100 Series Auxiliary Control offer cylinder override for 01, 10, 40, 73 & 74 function devices
Functions	01, 06, 10, 13, 15 , 16, 40, 43, 46 Freewheeling 73, 74, Electrical+
Strikes	650 Top Strike, 606 Bottom Strike, standard
Cylinder	#41 Mortise Cylinder

+ See page 14 for details When ordering always specify:

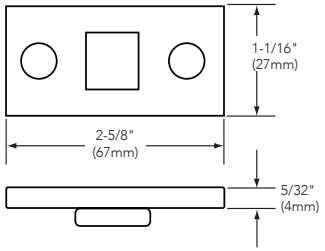
- Opening height (Standard opening height 96")
- AFF - Above Finished Floor - Centerline of lever to finished floor or threshold (Standard 35-7/8" AFF)

650 Top Strike



- Stainless steel
- Top strike for 7000, 12-7000, NB-7000, 12-NB-7000

606 Bottom Strike



- Mortised into floor
- Stainless steel
- Bottom strike for 7000, 12-7000

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AD7000 Series
Multi-Point Lock

701515 x ETL Shown

FEATURES

- Designed for aluminum door applications
- Concealed rods offer additional security
- Less bottom rod option available, specified as NB-AD 7000 (For single door applications, consult factory)
- NB- provides free access for wheel chairs and carts
- Single or double door applications

SPECIFICATIONS

For Doors	Aluminum doors, 1-3/4" (44mm) door thickness standard, 2-3/4" minimum stile for single doors, 2-1/2" minimum stile for double doors, 7/8" backset standard for double doors, 1-1/8" backset for single doors
Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Field reversible; specify RHR, LHR, RH or LH
Top and Bottom Bolts	Stainless steel. Top and bottom bolt travels 7/16" (11mm) Projection adjustable up to 1" (25mm)
Latching	Top and bottom (AD 7000) or Top only (NB-AD 7000)
Fire Exit Hardware	See chart page 3
Trim	ET, ER & ES Controls are available with all lever designs. 100 Series Auxiliary Control offer cylinder override for 01, 10, 40, 73 & 74 function devices
Functions	01, 06, 10, 13, 15, 16 40, 43, 46 Freewheeling 73, 74, Electrical+
Strikes	640 Top and Bottom Strike, 639 Top Strike only, standard
Cylinder	#41 Mortise Cylinder

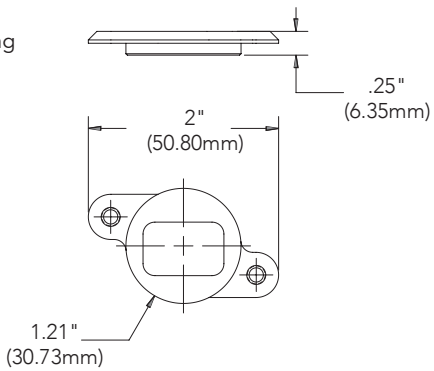
* Consult door manufacturer
+ See page 14 for details

When ordering always specify:

- Opening height (Standard opening height 96")
- AFF - Above Finished Floor - Centerline of lever to finished floor or threshold (Standard 35-7/8" AFF)

639/640 Strike Kits

- Steel with Black Nylon Coating
- Machine Screws Supplied
- 640 Kit contains 2 strikes (Top & Bottom)
- 639 Kit contains 1 strike (Top Only)



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WD7000 Series
Multi-Point Lock

701515 x ETL Shown
(WD7000 requires
an ER & ES Control)

FEATURES

- Designed for wood door applications with 2-1/4" Backse
- Concealed rods offer additional security
- Less bottom rod option available, specified as NB-WD7000 and 12-NB-WD7000 (For single door applications, consult factory)
- NB- provides free access for wheel chairs and carts
- Single or double door applications
- UL Fire Listed: 12-WD7000 / 12-NB-WD7000 (12-NB- is for double door applications only)

SPECIFICATIONS

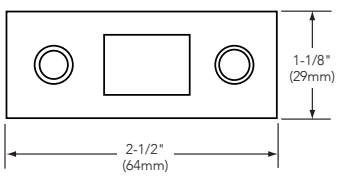
For Doors	Wood doors, 1-3/4" (44mm) door thickness standard, 3-7/8" minimum stile, 2-1/4" backset standard
Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Field reversible; specify RHR, LHR, RH or LH
Top and Bottom Bolts	Stainless steel. Top and bottom bolt travels 7/16" (11mm) Projection adjustable up to 1" (25mm)
Latching	Top and bottom (WD7000, 12-WD7000) or Top only (NB-WD7000, 12-NB-WD7000)
Fire Exit Hardware	See chart page 3
Trim	ER & ES Controls are available with all lever designs. 100 Series Auxiliary Control offer cylinder override for 01, 40, 10, 73 & 74 function devices
Functions	01, 06, 10, 13, 15 , 16 40, 43, 46 Freewheeling 73, 74, Electrical+
Strikes	650 Top Strike, 606 Bottom Strike, standard
Cylinder	#41 Mortise Cylinder

+ See page 14 for details

When ordering always specify:

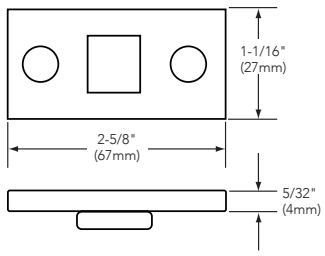
- Opening height (Standard opening height 96")
- AFF - Above Finished Floor - Centerline of lever to finished floor or threshold (Standard 35-7/8" AFF)

650 Top Strike



- Stainless steel
- Top strike, WD7000, 12-WD7000, NB-WD7000, 12-NB-WD7000

606 Bottom Strike



- Mortised into floor
- Stainless steel
- Bottom strike for WD7000, 12-WD7000

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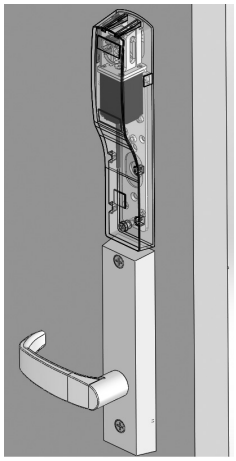
Electric Latch Retraction Option (ELR)

SARGENT's Electric Latch Retraction (ELR) is the perfect choice for high traffic doors that require access control. This non-handed module is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner.

The ELR- can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can be dogged continuously on fire-rated devices that are tied into the building's fire detection system.

ELECTRIC LATCH RETRACTION FEATURES

- 5 year warranty
- Patented
- Field serviceable - modular design
- Supports electrified dogging
- Motor-driven latch retraction for smooth, precise operation
- Amount of latch retraction is automatically controlled by the ELR- circuitry; System actively monitors its position and adjusts itself
- Digital retraction timer (0-20 seconds; factory setting is 0)
- Standard electric hinge - no special power transfer required
- Can be used for continuous and intermittent use
- UL Listed for Class II Circuitry
- Power Requirements: 24 or 12VDC regulated/filtered power supply (LSP-12-24)
- Current draw:
  - 24VDC: 700mA during retraction & 150mA maintained in dogged position
  - 12VDC: 850mA during retraction & 250mA maintained in dogged position
- Available for 7000 series only
- See page 14 for compatible functions
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a ELR- option (e.g., ELR-701315 x ETMF x LH x 26D x 96)



OPTIONAL ACCESSORIES

- LSP-12-24 Power Supply
- 4370 Keyswitch
- 3287 Door Status Switch

LSP-12-24 POWER SUPPLY

Operation
- LifeSafety Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. Recommended for the 58-, 56-, 59- exit devices option and electric trim.

Features
- Selectable voltage output between 12V and 24V with a single switch
- Internal Back-Up battery charging circuit *
- Regulated and filtered, fuse protected outputs
- Each output can be individually turned on and off via a jumper
- Power status of each output is shown by an LED
- Rugged steel enclosure
- Fire alarm interface included – Dry contacts NO/NC, 9-33VDC, 3-15mA

Electrical Specifications
- Inputs: 120VAC
- Outputs: 12VDC @ 6 Amp or 24VDC @3 Amp
- 8 Total Outputs

Listings
- UL294, UL603, UL1076
- ULC S318, ULC S319

Applications
- EcoFlex® Electrified Trim
- 56- Motorized Electric Latch Retraction

* Note: Batteries are not included with the power supply

Model No.	Description
LSP-12-24 12V – 6AMP	24V – 3AMP Power Supply

ECOFLEX®

- Reduces energy consumption up to 95% for Exit Trim, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

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Function Combinations & Electrical Options

Available Function Combinations:			Inside Function									
			1[1]	6[1]	13[1]	15	16	40	43[1]	46[1]	73[1,4]	74[1,4]
Blank Escutcheon Plate	Outside Function	1	X	X	X	X			X	X	X	X
Key unlocks Trim; Trim retracts latch; Trim relocks when key is removed		6	X	X	X	X					X	X
No outside Operation (No Cylinder); Pull Only		10[3]	X	X	X	X					X	X
Class Room Key Outside Unlocks/locks Trim; #41 Cylinder Supplied		13	X	X	X	X						
Passage only (No Cylinder)		15	X	X	X	X			X	X		
Key outside unlocks/locks O/S trim; Key inside unlocks/locks O/S trim		16					X					
Freewheeling Trim; No Outside Operation		40	X						X	X		
Freewheeling Trim; Key Outside Unlocks/locks Trim		43	X			X		X	X	X		
Freewheeling Trim; Key unlocks Trim; Trim retracts latch/Trim relocks when key is removed		46	X			X		X	X	X		
Electrified Trim - Fail Safe		73[4]	X	X	X	X					X	X
Electrified Trim - Fail Secure		74[4]	X	X	X	X					X	X

Available Function Combinations When Used With an ELR Prefix			Inside Function						
			1[1]	6[1]	13[1]	15	16	43[1]	46[1]
Blank Escutcheon Plate	Outside Function	1	ELR	ELR	ELR	ELR		ELR	ELR
Key unlocks Trim; Trim retracts latch; Trim relocks when key is removed		6	ELR	ELR	ELR	ELR		ELR	ELR
No outside Operation (No Cylinder); Pull Only		10[3]	ELR	ELR	ELR	ELR		ELR	ELR
Class Room Key Outside Unlocks/locks Trim; #41 Cylinder Supplied		13	ELR	ELR	ELR	ELR		ELR	ELR
Passage only (No Cylinder)		15[2]	ELR	ELR	ELR	ELR		ELR	ELR
Key outside unlocks/locks O/S trim; Key inside unlocks/locks O/S trim		16					ELR		
Freewheeling Trim; No Outside Operation		40	ELR	ELR	ELR	ELR		ELR	ELR
Freewheeling Trim; Key Outside Unlocks/locks Trim		43	ELR	ELR	ELR	ELR		ELR	ELR
Freewheeling Trim; Key unlocks Trim; Trim retracts latch/Trim relocks when key is removed		46	ELR	ELR	ELR	ELR		ELR	ELR

1. Not recommended for use on any door used for Life Safety egress
2. Passage function, non-locking device
3. Rigid lever
4. 73 & 74 functions require the voltage to be specified, 12V or 24V.

ELECTRICAL OPTIONS

One Hinge	NONE	53	54	55	53-54	53-55
NONE	—	QC4	QC8*	QC8*	QC12	QC12
Fail safe	QC8*	QC12	QC8*	QC8*	QC12	QC12
Fail Secure	QC8*	QC12	QC8*	QC8*	QC12	QC12
ELR	QC8*	QC12	—	—	—	—

Two Hinges**	NONE	53	54	55	53-54	53-55
NONE	—	—	—	—	—	—
Fail safe	—	—	—	—	—	—
Fail Secure	—	—	—	—	—	—
Fail Safe, Fail Safe	QC8, QC8	QC8, QC12	QC8, QC8	QC8, QC8	QC8, QC12	QC8, QC12
Fail Secure, Fail Secure	QC8, QC8	QC8, QC12	QC8, QC8	QC8, QC8	QC8, QC12	QC8, QC12
Fail Secure, Fail Safe	QC8, QC8	QC8, QC12	QC8, QC8	QC8, QC8	QC8, QC12	QC8, QC12
ELR	—	—	QC8, QC8*	QC8, QC8*	QC8, QC12	QC8, QC12

* Available on WD
**Consult power transfer manufacturer and door manufacturer for load bearing hinge requirements.

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How to order; Finishes; Handling

HOW TO ORDER

Options*	Series	Outside Function	Inside Function	Trim	Lever	Voltage for Electrified Trim**	Hand	Aux Control	Finish	Opening Height
11-NB-	70, AD70, or WD70	(select from chart on page 13)	(select from chart on page 13)	ER, ES, or ET	(refer to pages 3-5)	12VDC	RHR , LHR, RH, or LH	106 or 113	(select from chart below)	84"

* Multiple options may be selected
** Specify voltage desired for 73 & 74 function (12VDC/24VDC)
Note: Mounting height is 35-7/8" AFF standard

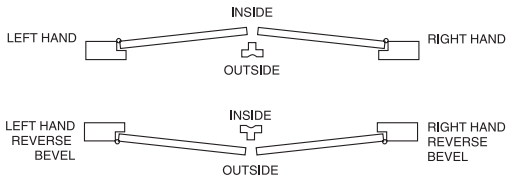
FINISHES

Product	Description	BHMA
03	Polished brass, clear coat	605
04	Satin brass, clear coat	606
09	Polished bronze	611
10	Satin bronze, clear powder coat	612
10B	Oxidized bronze, oiled rubbed	613
10BE	Dark Oxidized Satin Bronze - Equivalent	(613E)
10BL	Oxidized Satin bronze, clear coat	614
14	Polished Nickel, clear coated	618
15*	Satin Nickel, clear coated	619
20D	Statuary bronze, dark	624
26	Polished chrome	625
26D*	Satin chrome	626
BSP	Black Suede Powder Coat	—
WSP	White Suede Powder Coat	—

* Available with MicroShield®. Specify option as SG-

HANDING

Door hands determined from outside of door or secured side.



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Options

CYLINDER OPTIONS

Large Format Interchangeable Core (Removable Core)	60-	Trim to accept SARGENT Permanent LFIC (Removable Core), Disposable plastic Core provided (Permanent Cores ordered separately)
	63-	Trim provided with LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Trim provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered separately)
Small Format Interchangeable Core	70-	Trim to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-	Trim to accept 6- or 7-Pin SFIC (6-Pin Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)
	73-	Trim provided with 6-pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Trim provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	65-73-7P-	Trim provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	73-7P-	Trim provided with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying)
Keso & Keso F1	81-	Trim provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores ordered separately)
	82-	Trim provided with SARGENT Keso Security Cylinder
	F1-82-	Trim provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Trim provided with SARGENT Keso Security Removable Core cylinder
	F1-83-	Trim provided with SARGENT Keso F1 Security Removable Core cylinder (Patented)
	84-	Trim provided with SARGENT Keso Construction Cores (Permanent Cores ordered separately)
Added Security	BR-	Bump Resistant Cylinder (Available with Conventional & Conventional XC- Cylinders Only)
Less Cylinder*	LC*	Less Cylinder - SARGENT supplies standard blocking rings for 1-3/8" Cylinders (For longer cylinders order collars/rings separately)
Schlage Keyways	SC-	Schlage C keyway cylinder, 0 bitted
	SE-	Schlage E keyway cylinder, 0 bitted
Degree Key System	DG1-	SARGENT Degree Key System Level 1 (Bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG2-	SARGENT Degree Key System Level 2 (Geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG3-	SARGENT Degree Key System Level 3 (Geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
Signature Key System	10-	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature: Large Format Interchangeable Core (Removable Core)	10-63-	SARGENT Signature LFIC (Removable Core) Cylinder

* Not available for 16 function

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Options

CYLINDER OPTIONS (CONTINUED):

XC- Key System	11-	XC- Key System (Not available with other Key systems unless specified)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	11-60-	Trim to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core- provided
	11-63-	Trim provided with XC- LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Trim provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered Separately)
XC- Small Format Interchangeable Core	11-70-7P-	Trim to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-	Trim to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P-	Trim provided with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P-	Trim provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose)
Construction Key Systems	21-	SARGENT Lost Ball Construction Keying for Conventional, XC- and Signature Series (N/A with 63- or 73-)
Old Style Removable Core	51-	Removable Core Cylinder (Old Style) provided (existing systems only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (existing systems only)

MECHANICAL OPTIONS:

UL Listings	*12-	UL Fire Label Exit hardware
	HC	Hurricane-Resistant (available on metal doors only; Maximum openings 8'0" x 8'0")
	WS	Windstorm Resistant (available on metal doors only; Maximum openings 8'0" x 8'0")
Thick Doors	31-	Doors over 1-3/4" and/or Panels^ (Specify door thickness, panel thickness & location as required)
Security Fasteners	36-	Six lobe security head screws
	37-	Spanner head screws
Electrical Options	53-	Latchbolt monitoring switch
	54-	Monitors outside lever with micro switch in the control
	55-	Monitors inside lever with micro switch in the control
	ELR	Electric Latch Retraction
Tactile Warning Options	75-	Tactile Warning - Milled Inside Lever (Not available with Studio & Coastal Levers and the A Lever)
	76-	76- Tactile Warning - Milled Outside Lever (Not available with Studio & Coastal Levers and the A Lever)
	77-	77- Tactile Warning - Milled Inside & Outside Levers (Not available with Studio & Coastal Levers and the A Lever)
	85-	85- Tactile Warning - Abrasive coating on Inside Lever
	86-	86- Tactile Warning - Abrasive coating on Outside Lever
	87-	87- Tactile Warning - Abrasive coating on Inside & Outside Levers
	88-	88- Lever Hold Back (Not available with 12-)
Finish Protection	CPC-	Clear Powder Coat (Available for 26, 26D, 32 & 32D Finishes)
	** SG-	MicroShield® antimicrobial clear powder coat
Top Rod Only	NB-	No bottom rod

* One thermal pin is supplied with each 12-NB-WD7000 device for double door application. Fire Rated 12-NB-WD7000 is not available on single door applications
** Available on 15 and 26D finishes only
^ ELR is not available on doors with panels

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Parts kits

MOUNTING HEIGHTS

35-7/8" (911mm) from finished floor to centerline of lever for standard application

THERMAL PINS

- 12-7000 or 12-WD7000 devices installed on pairs of fire-rated doors do NOT require thermal pins
- 12-NB7000 and 12-NB-WD7000: devices are supplied with ONE thermal pin per fire-rated device, for installation on pairs of fire-rated doors
- Not rated for single door applications

ROD REPLACEMENT KITS

Product	Top Rod Kit	Bottom Rod Kit
7000, AD7000	MD663T*	663B**
WD7000	WD663T*	663B**
WD7000 x AUX	WDA663T*	663B**

ROD & BOLT REPLACEMENT KITS

Product	Top Rod & Bolt Kit	Bottom Rod & Bolt Kit
7000, AD7000	MD694T*	694B**
WD7000	WD694T*	694B**
WD7000 x AUX	WDA694T*	694B**

* Opening height required & mounting height is 35-7/8" standard

** Mounting height is 35-7/8" standard

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Architectural specifications

ARCHITECTURAL SPECIFICATIONS

A. Multi-Point Locking Solutions shall be 7000 Series devices as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Multi-Point Locking Solutions shall be certified to meet or exceed the requirements of ANSI/BHMA A156 3 Grade 1.

C. Multi-Point Locking Solutions shall be listed by Underwriters Laboratories and bear the UL label for life safety in full compliance with NFPA 80 and NFPA 101. Multi-Point Locking Solutions for fire labeled pairs of doors shall be UL listed as "Fire Exit Hardware".

D. Rods shall be retracted in one operation by dual mounted lever controls with a complete range of functions, including electro-mechanical, on the secure side of the door.

E. The device shall also be available as a single latching device with top latching only, eliminating the bottom strike.

F. Lever trim shall be available in finishes and designs to match that of the specified locksets.

G. There are no approved substitutes.

H. Exit devices shall have a five year limited warranty.

These guidelines should be referenced regularly and as required for proper appearance and longevity of finish.

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
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New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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SARGENT®
ASSA ABLOY

PRODUCT CATALOG

7300 Series Multi-Point Lock

Experience a safer
and more open world

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ASSA ABLOY

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MICROSHIELD®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

MICROSHIELD® COATING

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

agion Nature's antimicrobial The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

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Certifications

SARGENT
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CERTIFICATION/COMPLIANCE[1,2]

ANSI/BHMA	Certified to ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1 with all standard trims. **Note:** LFIC (Removable) Cylinders and SFIC Cylinders do not meet Security Grade 1 requirements.
ADA	Meets A117.1 Accessibility Code. Meets BOMA International 4.13.8 Complies with American Disability Act; Consult local authorities
UL-cUL	UL and cUL listed to US and Canadian safety standards as follows: - 7300: A label 4 x 10 single and 8 x 10 double (3-hour fire doors) and lesser class doors - FM7300 and BL7300: A label 4 x 8 single and 8 x 8 double (3-hour fire doors) and lesser class doors Armored front is stamped with letter F and UL symbol to indicate listing.
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
California	California State Reference Code (Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13 mm) of door face

FLORIDA BUILDING CODE LISTED
UL CERTIFICATION DIRECTORY: ZHEM.R21744 – LATCHING HARDWARE[1,2]

ANSI/SDI A250.13 (2014)	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ASTM E330 (2002)	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"*
ASTM E1886 (2005)	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996 (2009)	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201 (1994)	"Impact Test Procedures"*
(TAS) 202 (1994)	"Criteria for Testing Impact and Non-Impact Resistant Building Envelope Components Using Uniform Static Air Pressure"
(TAS) 203 (1994)	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the 7th Edition (2020) "Florida Building Code" (FBC), State Product Approval Number FL2998

WINDSTORM CERTIFICATIONS: UL LISTINGS (AVAILABLE ON BL7300 SERIES AND FM7300 SERIES ONLY)[1,2]

ASTM E300 (2002)	Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference
ASTM E1886 (2005)	Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials
ASTM E1996 (2009)	Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Windborne Debris in Hurricanes
NFPA80	"Standard for Fire Doors and Other Opening Protectives"

WINDSTORM CERTIFICATIONS: UL LISTINGS (AVAILABLE ON FM7300 SERIES ONLY)[1,2]

FEMA Publication 361 (2021)	"Safe Rooms for Tornadoes and Hurricanes: Guidance for Community and Residential Safe Rooms" investigated with respect to impact and pressure requirements only.
ICC 500 (2020)	"ICC/NSSA Standard for the Design and Construction of Storm Shelters," investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. Table 305.1.1 of ICC 500 correlates design wind speed to the minimum missile speeds.

BLAST TESTING STANDARDS: (AVAILABLE ON THE BL7300 ONLY)[1,2]

UFC 4-010-01 (2020)	Meets UFC 4-010-01 Unified Facilities Criteria - DoD Minimum Anti-terrorism standards
ASTM 2927-12 (2012)	Meets ASTM 2927-12 Response Categories 1 (no damage) and 2 (damage, but operable)

1. Certifications and testing standards are done to meet assembly requirements, in conjunction with doors from ASSA ABLOY Group companies Ceco Door and Curries.
2. Any retrofit or other field modification to a fire and/or windstorm rated opening can potentially impact the fire rating of the opening, and SARGENT Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire and/or windstorm rated opening, or specifying and installing a new fire and/or windstorm rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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Introduction & Features

The SARGENT 7300 Series lock is a multi-point lock system, developed to serve a variety of markets and applications. Its sturdy, heavy-duty steel components firmly secure the door within the frame – at top, bottom, and center latch points – fortifying the opening during an event or to provide increased security to openings where needed. This multi-point locking system comes as a complete assembly integrated with Ceco Door and Curries doors and frames and McKinney hinges.

This product line consists of our FM (FEMA), BL (Blast) and standard multi-point locks.

The FM7300 Series is UL-listed for FEMA P-361 (2021), ICC 500 (2020) and Florida Building Code (FBC) capable of withstanding severe wind speeds and flying debris. This lock consists of concealed vertical rods with top and bottom latching complemented by a mortise lock with a latch bolt and deadbolt at the center of the door and an optional indicator to show the status of the top and bottom latches. The lever rotation retracts the top bolt, the bottom bolt, and center bolts simultaneously. When retracted, the bolts are held in position as the door swings. As the door closes, the holdback feature engages the frame and the top, center, and bottom bolts project simultaneously. With the deadbolt thrown, this system protects room occupants from threatening conditions.

The BL7300 Series is designed and equipped to handle a variety of blast and hurricane applications and environments. Perfect for both internal and perimeter settings, the lock helps to minimize the risk of intentional and unintentional accidents. This lock meets ASTM Response Categories 1 and 2, and meets UFC 4-010-01 DoD Minimum Anti-terrorism Standards for Buildings. This multi-point locking system comes as a complete assembly integrated with Ceco Door and Curries Multi-Solution Opening doors and frames and McKINNEY StormPro® hinges. It is an ideal solution for both the hardening of buildings and hazard prevention.

The standard 7300 Series offers more economical solution, while maintaining the security benefits of a (3) point latching system. A more versatile product offering, it opens up increased functionality from the SARGENT 8200 Series mortise lock to provide solutions for a variety of applications and expand the user interaction capabilities. See the functions and descriptions section for more detail.

INNOVATION

- Unique and robust multi-point deadlocking system engineered to help save lives
- Integrated with doors, frames and hinges to provide an opening that meets tornado and hurricane shelter guidelines, as well as blast resistance

APPLICATIONS

7300 Series
- Used in cases with higher security needs
- Back of retail, dispensaries and residential facilities

FM7300 Series
- Perfect for community refuge areas where people seek protection from strong wind events
- Community shelters and safe rooms, corporate campuses, schools, healthcare facilities, and government facilities

BL7300 Series
- Petrochemical
- Government/Military
- Museums
- Hurricane environments
- Critical Infrastructure

STRENGTH & DURABILITY

- UL 3-hour fire rating
- Extra heavy-duty steel components secure the door to the frame:
  - Multiple locations: top, bottom, and center latch points
- Heavy-duty sectional trim standard
- Fortified with high-tensile alloy fasteners
- Thru-bolted to door for solid attachment

FEATURES

- Utilizes a standard mortise lock, offering a full range of standard mortise lock mechanical functions and electrified options:
  - See function overview chart on page 13.
  - Three latch points project automatically; fourth latch point with a single motion
  - Dogging option allows the lock to operate as a standard mortise lock with a single latch point (Not available with BL7300 Series)
  - Concealed vertical rods for additional security
  - Available with access control options
  - Inswing and outswing applications
  - Concealed vertical assembly (rods, latches and cassette) pre-installed in openings ordered through Ceco/Curries
  - Seven-year warranty

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Specifications

7300 SERIES SPECIFICATIONS

Door	1-3/4" thick door only; 7300 Series requires utilizing Ceco Door Medallion and Curries 747 doors and frames and McKINNEY® hinges
Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Handed; specify RHR, LHR, RH or LH
Lockbody	Utilizes standard 8200 Series mortise lock
Top Bolt	Adjustable stainless steel 3/4" square bolt with 11/16" engagement; 5/16" steel reinforcement plate
Bottom Bolt	Adjustable stainless steel 3/4" square bolt with 5/8" engagement; 1/4" steel reinforcement plate
Center Bolts	Latchbolt is stainless steel with 3/4" projection. One piece, anti-friction reversible catch. Deadbolt is one piece hardened stainless steel with 1" projection
Lock Front	1/8" steel mortise front reinforced with 13/64" thick lock edge stiffener
Center Bolt Strike	1/4" thick stainless steel
Backset	Lever: 2-3/4" standard; Rods 5-1/4"
Door Thickness	1-3/4" standard
Maximum Opening	Single door 2'8" x 6'8" up to 4'0" x 10'0" and double doors 5'4" x 6'8" up to 8'0" x 10'0" (Double doors require 2-988 surface bolts)
UL Fire Listed	UL 3-hour fire rating
Trim	Multiple sectional and escutcheon mortise trim with Standard or Studio Collection levers
Cylinder	Multiple mortise cylinders

Note: For Certifications see page 3.

Attention: Doors and frames must be ordered through Ceco and Curries in order for certifications to be met. See Door Specifications above for specific product offerings needed to meet assembly requirements. Mortise cassette and rods come pre-installed in previously specified door. If the device is installed in a non CECO door, the "679Kit" rod kit is also required. We are not responsible for poor installation or problems.

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Specifications

FM7300 SERIES SPECIFICATIONS

Door	1-3/4" thick door only; FM7300 Series requires utilizing Ceco Door StormPro® 361 and Curries StormPro® 361 doors and frames. McKINNEY® StormPro® hinges are required when used as a certified tornado solution
Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Handed; specify RHR, LHR, RH or LH
Lockbody	Utilizes standard 8200 Series mortise lock
Top Bolt	Adjustable stainless steel 3/4" square bolt with 11/16" engagement; 5/16" steel reinforcement plate
Bottom Bolt	Adjustable stainless steel 3/4" square bolt with 5/8" engagement; 1/4" steel reinforcement plate
Center Bolts	Latchbolt is stainless steel with 3/4" projection. One piece, anti-friction reversible catch. Deadbolt is one piece hardened stainless steel with 1" projection
Lock Front	1/8" steel mortise front reinforced with 13/64" thick lock edge stiffener
Center Bolt Strike	1/4" thick stainless steel
Backset	Lever: 2-3/4" standard; Rods 5-1/4"
Door Thickness	1-3/4" standard
Maximum Opening	Single door 2'8" x 6'8" up to 4'0" x 8'0" and double doors 6'0" x 6'8" up to 8'0" x 8'0" (Double doors require 2-988 surface bolts)
UL Fire Listed	UL 3-hour fire rating
Trim	Multiple sectional and escutcheon mortise trim with Standard or Studio Collection levers
Cylinder	Multiple mortise cylinders

Note: For UL & Windstorm Certifications see page 3.

Attention: Doors and frames must be ordered through Ceco and Curries.

See Door Specifications above for specific product offerings needed to meet assembly requirements. Mortise lock and rods come pre-installed in previously specified door.

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Specifications

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BL7300 SERIES SPECIFICATIONS

Door	1-3/4" thick door only; BL7300 Series requires utilizing Ceco Door and Curries Multi-Solution Opening doors and frames and McKINNEY® StormPro® hinges
Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Handed; specify RHR, LHR, RH or LH
Lockbody	Utilizes standard 8200 Series mortise lock
Top Bolt	Adjustable stainless steel 3/4" square bolt with 11/16" engagement; 5/16" steel reinforcement plate
Bottom Bolt	Adjustable stainless steel 3/4" square bolt with 5/8" engagement; 1/4" steel reinforcement plate
Center Bolts	Latchbolt is stainless steel with 3/4" projection. One piece, anti-friction reversible catch. Deadbolt is one piece hardened stainless steel with 1" projection
Lock Front	1/8" steel mortise front reinforced with 13/64" thick lock edge stiffener
Center Bolt Strike	1/4" thick stainless steel
Backset	Lever: 2-3/4" standard; Rods 5-1/4"
Door Thickness	1-3/4" standard
Maximum Opening	Single door 2'8" x 6'8" up to 4'0" x 8'0", Paired doors up to 6.0" x 7.0"
UL Fire Listed	UL 3-hour fire rating
Trim	Multiple sectional and escutcheon mortise trim with Standard or Studio Collection levers
Cylinder	Multiple mortise cylinders

Note: For Certifications see page 3.

BHMA CERTIFIED

Attention: Doors and frames must be ordered through Ceco and Curries.

See Door Specifications above for specific product offerings needed to meet assembly requirements. Mortise lock and rods come pre-installed in previously specified door.

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Functions & Descriptions

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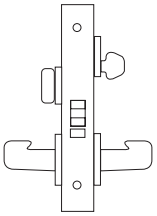
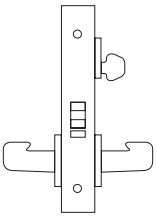
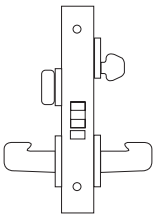
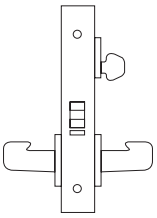
SINGLE CYLINDER WITHOUT DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	7305	Office or Entry	F04	• Key outside retracts latchbolt, also locks & unlocks outside trim • Trim inside always retracts latchbolt, trim outside remains locked • Thumbturn inside locks & unlocks outside trim • Auxiliary deadlatch • A multi-function lockbody
	7337	Classroom	F05	• Key outside retracts latchbolt, also locks & unlocks outside trim • Trim inside always retracts latchbolt • Auxiliary deadlatch • A multi-function lockbody
	7356	Office & Inner Entry Lock	—	• Key outside retracts latchbolt • Trim inside always retracts latchbolt and unlocks outside trim • Trim outside is locked by thumbturn or key • Auxiliary deadlatch
	7389	Holdback	F06	• Key outside retracts latchbolt, also locks & unlocks outside trim • Trim inside always retracts latchbolt • Auxiliary deadlatch • Latch holdback — to set, rotating & hold lever, then rotate key twice toward latchbolt. Lever will remain in rotated position indicating it is unlocked

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Functions & Descriptions

SARGENT
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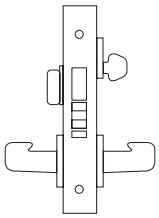
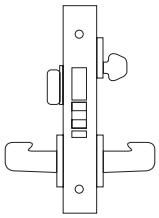
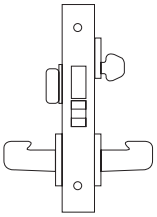
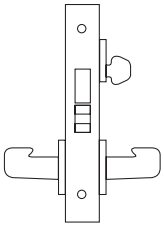
SINGLE CYLINDER WITH DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	7318 FM7318 BL7318	Classroom	—	• Inside trim is always unlocked • Inside thumbturn only retracts and projects deadbolt • When deadbolt is projected, inside trim retracts latchbolt and deadbolt simultaneously • Key outside locks and unlocks outside trim • When outside trim is unlocked, outside trim retracts latchbolt and deadbolt simultaneously
	7324 BL7324	Storeroom	F21	• Key outside or thumbturn inside retracts and projects deadbolt • Trim either side retracts latchbolt • Latchbolt & deadbolt operate independently of each other • **CAUTION:** Not recommended for use on any door used for Life Safety egress
	7325 FM7325 BL7325	Exit/ Dormitory	F13	• Key outside or thumbturn inside retracts and projects deadbolt • Trim from either side retracts latchbolt, when the deadbolt is in the retracted position • Trim outside is locked, when the deadbolt is projected • When deadbolt is projected, trim inside retracts latchbolt and deadbolt simultaneously, unlocking outside trim
	7327	Closet or Storeroom	—	• Key outside retracts and projects deadbolt • Trim from either side retracts latchbolt • Same as 7324 without thumbturn • Latchbolt & deadbolt operate independently of each other • **CAUTION:** Not recommended for use on any door used for Life Safety egress

Items of Note:
- All function descriptions are specific to latchbolt and deadbolt operation only.
- Top and bottom rods automatically project when the door is closed and retract when inside or outside lever is turned.
- A dogging indicator can be ordered separately under code 188. A dogging indicator dogs the top/bottom latches so the lock can function as a normal mortise lock.
- In an emergency, un-dog the rods and the top/bottom latches will engage. Not available on BL version.

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Functions & Descriptions

SARGENT
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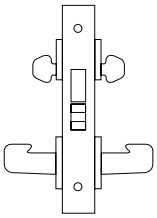
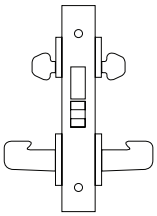
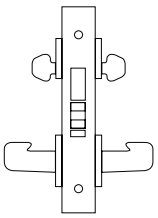
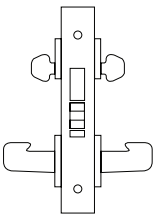
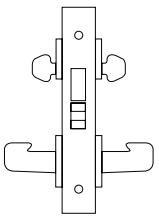
DOUBLE CYLINDER WITH DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	7326 BL7326	Store Door	F14	• Key from either side retracts & projects deadbolt • Trim from either side retracts latchbolt • Latchbolt and deadbolt are independent of each other • **CAUTION:** Not recommended for use on any door used for Life Safety egress
	7339 FM7339 BL7339	Classroom Security Intruder Deadbolt	F33	• Key either from side retracts or projects deadbolt which also unlocks or locks outside trim • Trim outside retracts latchbolt, except when locked • Trim outside is only locked by projecting the deadbolt • Trim inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside trim
	7340 FM7340 BL7340	Classroom Security Intruder Auxiliary Deadbolt	F34	• Key from either side retracts or projects deadbolt which also unlocks or locks outside trim • Trim outside retracts latchbolt, except when locked • Trim outside is only locked by projecting the deadbolt • Trim inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside trim • Auxiliary deadlatch • Same as 7339 with Auxiliary deadlatch
	7341 FM7341 BL7341	Classroom Security Intruder Deadlatch	—	• Key from either side retracts and projects deadbolt • When deadbolt is projected, 1st key rotation retracts deadbolt, 2nd key rotation unlocks trim outside • Key retraction of latchbolt from either side unlocks trim outside • Trim outside retracts latchbolt, except when locked • Trim inside (when deadbolt is projected) retracts both latchbolt and deadbolt simultaneously and the outside trim remains locked • Auxiliary deadlatch
	7349 FM7349 BL7349	Security Deadbolt	—	• Key from either side retracts and projects deadbolt • Key from either side retracts latchbolt • Trim inside & outside are locked only when deadbolt is projected • **CAUTION:** Not recommended for use on any door used for Life Safety egress

Items of Note:
- All function descriptions are specific to latchbolt and deadbolt operation only.
- Top and bottom rods automatically project when the door is closed and retract when inside or outside lever is turned.
- A dogging indicator can be ordered separately under code 188. A dogging indicator dogs the top/bottom latches so the lock can function as a normal mortise lock.
- In an emergency, un-dog the rods and the top/bottom latches will engage. Not available on BL version.

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Functions & Descriptions

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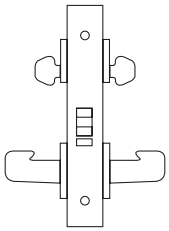
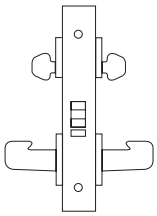
DOUBLE CYLINDER WITHOUT DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	7338	Classroom Security Intruder Latchbolt	F32	• Key from either side locks & unlocks outside trim • Key from either side retracts latchbolt • Trim outside retracts latchbolt, except when locked • Trim inside always retracts latchbolt • A multi-function lockbody • Auxiliary deadlatch
	7390	Classroom Security Holdback	—	• Key from either side retracts latchbolt, also locks & unlocks outside trim • Latchbolt can be locked in the retracted position by key from either side • Trim inside always retracts latchbolt • Auxiliary deadlatch • Latch holdback — to set, rotating & hold lever, then rotate key twice toward latchbolt. Lever will remain in rotated position indicating it is unlocked

Items of Note:
- All function descriptions are specific to latchbolt and deadbolt operation only.
- Top and bottom rods automatically project when the door is closed and retract when inside or outside lever is turned.
- A dogging indicator can be ordered separately under code 188. A dogging indicator dogs the top/bottom latches so the lock can function as a normal mortise lock.
- In an emergency, un-dog the rods and the top/bottom latches will engage. Not available on BL version.

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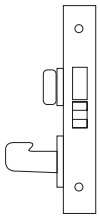
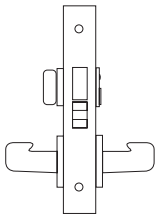
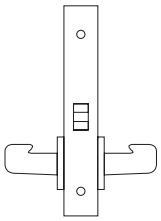
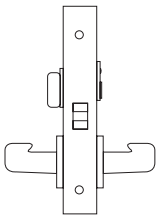
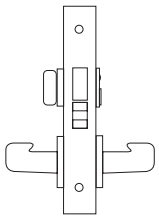
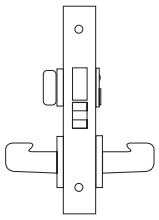
Functions & Descriptions

SARGENT
ASSA ABLOY

NON-KEYED

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	7301 FM7301 BL7301	Inside Passage	—	• Thumbturn retracts & projects deadbolt • Trim inside retracts latchbolt & deadbolt simultaneously • Blank outside escutcheon
	7314	Passage	—	• Thumbturn inside retracts and projects deadbolt • Trim from either side retracts latchbolt • Both inside and outside trim are always unlocked • Emergency Release locks/unlocks trim outside-by coin, screwdriver or Emergency key (14-0057) ordered separately • When deadbolt is projected trim inside or outside retracts latchbolt and deadbolt simultaneously Note: This function allows free entry at all times, even when deadbolt is projected during possible severe weather conditions.
	7319	Passage or Closet	F01	• Trim from either side retracts latchbolt at all times
	7365	Privacy Bath/ Bedroom	F22	• Trim outside retracts latchbolt except when locked by thumbturn • Trim inside retracts latchbolt and unlocks outside trim • Emergency Release locks/unlocks trim outside-by coin, screwdriver or Emergency key (14-0057) ordered separately • Thumbturn locks and unlocks trim outside • Closing the door will unlock outside trim
	7366 FM7366 BL7366	Privacy Bath	—	• Trim outside retracts latchbolt except when deadbolt is projected • Trim inside retracts both latchbolt and deadbolt simultaneously, unlocking the outside trim • Emergency release retracts and projects deadbolt - by coin, screwdriver, or emergency key (14-0057) ordered separately • Thumbturn retracts and projects deadbolt
	7368 BL7368	Privacy Bedroom	F02	• Trim from either side retracts latchbolt at all times • Thumbturn retracts and projects deadbolt • Emergency release retracts and projects deadbolt - by coin, screwdriver, or emergency key (14-0057) ordered separately • Latchbolt and deadbolt are independent of each other • **CAUTION:** Not recommended for use on any door used for Life Safety egress

Items of Note:

- All function descriptions are specific to latchbolt and deadbolt operation only.
- Top and bottom rods automatically project when the door is closed and retract when inside or outside lever is turned.
- A dogging indicator can be ordered separately under code 188. A dogging indicator dogs the top/bottom latches so the lock can function as a normal mortise lock. In an emergency, un-dog the rods and the top/bottom latches will engage. Not available on BL version.

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Functions Overview

SARGENT
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	Available Functions	Description	7300	FM7300	BL7300
Single Cylinder without Deadbolt	05	Office/Entry	X		
	37	Classroom	X		
	56	Office & Inner Entry Lock	X		
	89	Holdback	X		
Single Cylinder with Deadbolt	18	Classroom	X	X	X
	24	Storeroom	X		X
	25	Exit/Dormitory	X	X	X
	27	Closet or Storeroom	X		
Non-Keyed	01	Inside Passage	X	X	X
	14	Passage	X		
	19	Passage or Closet	X		
	65	Privacy Bath/Bedroom	X		
	66	Privacy Bath	X	X	X
	68	Privacy Bedroom	X		X
Double Cylinder with Deadbolt	26	Store Door	X		X
	39	Classroom Security Intruder Deadbolt	X	X	X
	40	Classroom Security Intruder Auxilary Deadbolt	X	X	X
	41	Classroom Security Intruder Deadlatch	X	X	X
	49	Security Deadbolt	X	X	X
Double Cylinder without Deadbolt	38	Classroom Security Intruder Latchbolt	X		
	90	Classroom Security Holdback	X		
	72-12V	Electrical Fail Safe Lock, 12 Volt	X		
	72-24V	Electrical Fail Safe Lock, 24 Volt	X		
	73-12V	Electrical Fail Secure Lock, 12 Volt	X		
	73-24V	Electrical Fail Secure Lock, 24 Volt	X		
	270-12V	Electro-Mechanical Lock - Fail Safe (12v) (Access Control)	X		
	270-24V	Electro-Mechanical Lock - Fail Safe (24v) (Access Control)	X		
	271-12V	Electro-Mechanical Lock - Fail Secure (12v) (Access Control)	X		
	271-24V	Electro-Mechanical Lock - Fail Secure (24v) (Access Control)	X		
	276	Electro-Mechanical Lock - (Motorized With Key Override And With Deadbolt) (Access Control)	X	X	X
	277	Electro-Mechanical Lock - (Motorized With Deadbolt) (Access Control)	X	X	X
	278	Electro-Mechanical Lock - (Motorized) (Access Control)	X		
	279	Electro-Mechanical Lock - (Motorized) (Access Control)	X		
	280-12V	Electro-Mechanical Lock - (Fail Safe With Key Override) (Access Control)	X		X
	280-24V	Electro-Mechanical Lock - (Fail Safe With Key Override) (Access Control)	X		X
	281-12V	Electro-Mechanical Lock - (Fail Secure With Key Override) (Access Control)	X	X	X
	281-24V	Electro-Mechanical Lock - (Fail Secure With Key Override) (Access Control)	X	X	X
	284-12V	Electro-Mechanical Lock - Fail Safe (12v With Deadbolt) (Access Control)	X	X	X
	284-24V	Electro-Mechanical Lock - Fail Safe (24v With Deadbolt) (Access Control)	X		X
	285-12V	Electro-Mechanical Lock - Fail Secure (12v With Deadbolt) (Access Control)	X		X
	285-24V	Electro-Mechanical Lock - Fail Secure (24v With Deadbolt) (Access Control)	X	X	X

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Electrical Functions & Monitoring Options

ELECTRIFIED MORTISE LOCKS WITH STANDARD MONITORING OPTIONS

SARGENT 7300 Series electromechanical mortise locks are designed to handle single opening, stand alone applications, or can be readily integrated into sophisticated access control systems. They meet ANSI/BHMA A156.37 Grade 1 requirements, are UL listed on fire doors, and satisfy industry standards for operating temperature, shock and fire hazard.

FEATURING ECOFLEX® TECHNOLOGY

- **Reduces energy consumption up to 92%, as certified by GreenCircle**
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- **Field configurable to fail-safe or fail-secure**
- **Operates from 12-24VDC, offering greater flexibility in system design**
- **Innovative actuator design provides superior reliability**
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

ELECTRICAL REQUIREMENTS FOR ELECTROMECHANICAL FUNCTIONS

Voltage: Operates from 12-24VDC Regulated. Full wave rectification installed inside the lockbody.

Current:

- Actuator draw = .015 Amp continuous
- Maximum (2) locks per 1 Amp power supply (1/2 Amp peak current draw)
  Operating Temp.: Max. 151°F (66°C), Min –31°F (-35°C)
  UL and CUL listed for use on Fire Doors

Note: Repeated operation at voltage exceeding +/- 10% is not recommended

DX - option — Deadbolt Monitor

- Switch mounted internally in lockbody that indicates deadbolt position
- Available in all deadbolt functions

LX- option - Latchbolt Monitor

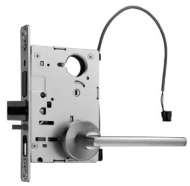
- Please contact factory

Description of Functions:

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, lock outside trim
- Deadbolt projected and retracted by thumbturn only (for non-key override)
- Two switches mounted internally, within lockbody, to monitor lever rotation

WARNING

- **Do not** connect locks to a circuit sharing an additional electromagnetic device as the lock may be damaged
- Transient voltage must be suppressed at the source or before connecting with the lock
- Varistor rated at 35 volts (peak) may be used for transient voltage protection



Note: Opening the lockbody or the actuator replacement in the field by non-authorized personnel voids UL label and lock warranty

ELECTROMECHANICAL FUNCTIONS

No key override with deadbolt			
*Fail Safe	NAC-	BL73	284
Fail Secure	NAC-	BL73	285

Key override with deadbolt			
*Fail Safe	NAC-	BL73	280
Fail Secure	NAC-	BL73	281

*Not offered with FM7300

HIGH SECURITY MONITORING OPTIONS

Internal End-of-Line Monitoring

Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

Select a compatible resistor configuration and add the appropriate prefix to your order string:

- R01 - EOL Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision
- R03 - EOL Software House compatible 1KΩ/2KΩ resistance supervision
- R04 - EOL AMAG compatible 4-state supervision

Items of Note:

- All function descriptions are specific to latchbolt and deadbolt operation only.
- The lock must have a deadbolt for a tornado shelter rating.
- Top and bottom rods automatically project when the door is closed and retract when inside or outside lever is turned.
- A dogging indicator can be ordered separately under code 188. A dogging indicator dogs the top/bottom latches so the lock can function as a normal mortise lock. In an emergency, un-dog the rods and the top/bottom latches will engage. Not available on BL version.

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Access Control Platforms

SARGENT 7300, BL7300, and FM7300 Series multi-point locks can be readily integrated into sophisticated access control systems. They meet ANSI/BHMA A156.37 Grade 1 requirements, are UL listed on fire doors, and satisfy industry standards for operating temperature, shock, and fire hazard.

Below is a list of compatible platforms:

- IN Series (IN120, IN220)
- SN200 (SN200, SN210)

For complete information regarding the compatibility of all 7300 Series multi-point locks with electronic access control devices, reference the individual product catalogs, available in the Partner Area on www.intelligentopenings.com.

SARGENT Electronic Access Control Functions

		IN Series		SN Series	
		IN120	IN220	SN200	SN210
No Key Override with deadbolt					
Fail Safe	73 BL73	277		284	
Fail Secure	73 BL73 FM73			285	
Key Override with deadbolt					
Fail Safe	73 BL73	276		280	
Fail Secure	73 BL73 FM73			281	

Items of Note:

- All function descriptions are specific to latchbolt and deadbolt operation only.
- The lock must have a deadbolt for a tornado shelter rating.
- Top and bottom rods automatically project when the door is closed and retract when inside or outside lever is turned.
- A dogging indicator can be ordered separately under code 188. A dogging indicator dogs the top/bottom latches so the lock can function as a normal mortise lock.
- In an emergency, un-dog the rods and the top/bottom latches will engage. Not available on BL version.

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Studio Collection Levers

Studio Collection levers are available in a broad array of designs and finishes allowing for uniformity throughout a facility.
All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector to mix and match styles and finishes.

Aventura Series

MB

ME

MF

NF[1]

MG

MI

MW[1]

Centro Series

MD

MJ

MP[3]

ND[1]

NJ[1]

Gramercy Series[2]

RCM

RAL

REM

RAM

RAS

RAG

RGM

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1 Lever returns within 1/2" (13mm) of door face.
2 Gramercy levers are customized. See "How To Order" on page 24 for ordering information.
3 Not available in 32D or 32 finish

90834 09/25

Studio Collection Levers (continued)

SARGENT
ASSA ABLOY

Grant Park
(H008 Lever is Handed)

H007

H008

H011

Odéon Series
(Handed Levers)

MN[3]

MH[3]

MS[3]

MU[3]

MV[3]

NU[1,3]

WG

Notting Hill Series
(Handed Levers)

MA[3]

MQ[3]

MT[3]

MO[3]

MZ[1,3]

GT

Wooster Series[2]

H001

H002[1]

H003

H004

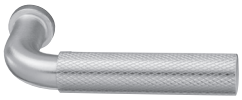
H005[1]

H006[1]

Berlin Series

H015

H016[1]


H017

H018

1 Lever returns within 1/2" (13 mm) of door face.
2 H003-H006 - Contain white or black polycarbonate inserts. Not available with MicroShield® antimicrobial coating.
3 Not available in 32D or 32 finish

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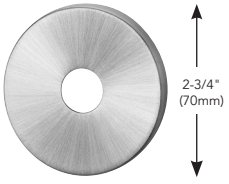
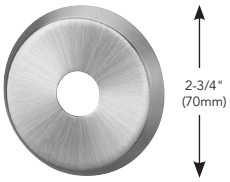
Studio Collection Trim

ROSES

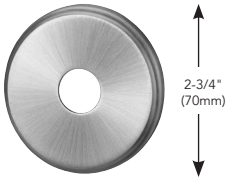
O Rose



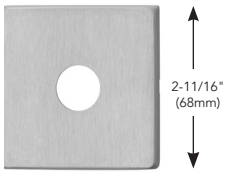
CO Rose



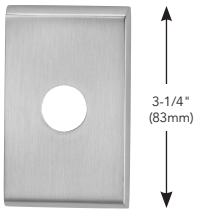
TO Rose



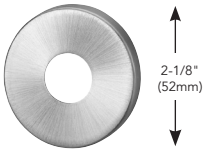
E2 Rose[1]



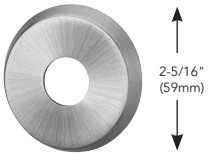
E4 Rose[1]



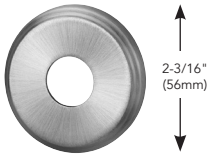
LN Rose



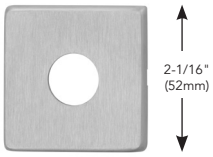
CR Rose



TR Rose

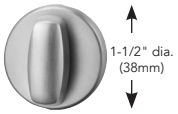


E3 Rose[1]

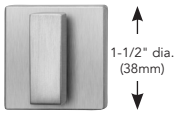


THUMBTURNS

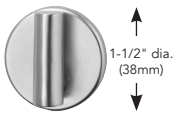
T1 Turn



T2 Turn



T3 Turn



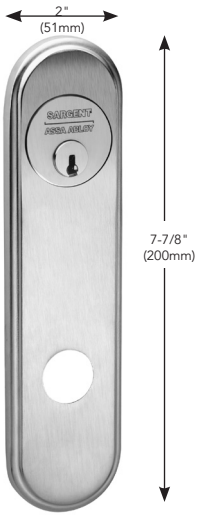
Thumbturn backplate will match rose design chosen. See “Thumbturn Designs” on page 22 for more information.

ESCUTCHEONS

LE1 Escutcheon

CE Escutcheon

TE Escutcheon



[1] 1KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3, and E4 roses.

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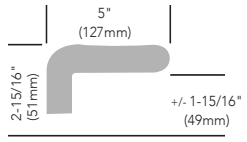
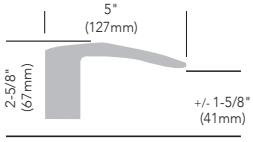
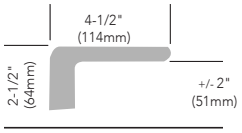
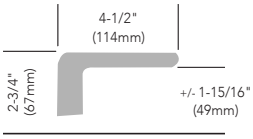
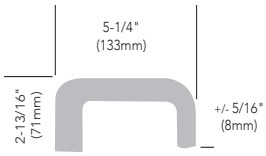
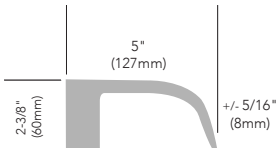
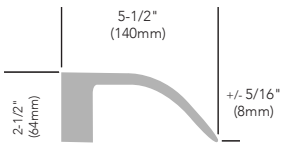
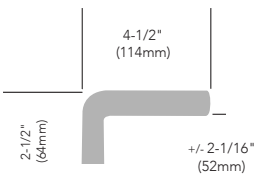
Standard Levers

STANDARD LEVERS

Features

- All levers meet ADA compliance for national codes
- Solid forged or cast
- Lever designs J, L, and P have lever returns within 1/2" (13 mm) or less of door face and meet California State Reference Fire Code
- All lever height (± 1/16") measurements represent total distance from door face

A (Handed)		
B		
E		
F		
J		
L		
P		
W		

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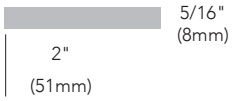
Standard Trim

STANDARD ROSES

E Rose

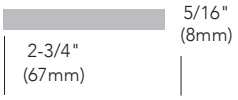
LN Rose



82-4023 Cap

- 2" round
- Covers hole for levers and roses

O Rose



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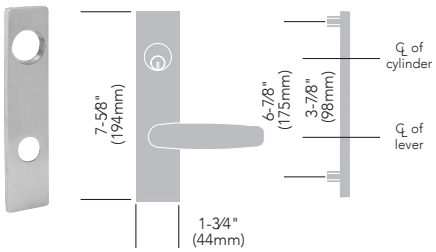
Escutcheon Designs

SARGENT
ASSA ABLOY

LE1/LE2 Escutcheon Design

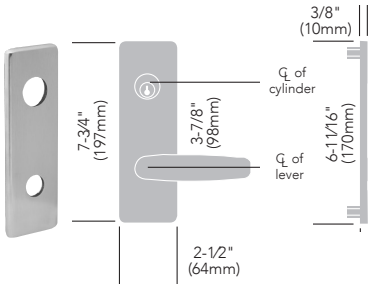
- Cast
- LE1- (2) exposed screws inside
- LE2- (2) concealed screws inside
- LE1 is available with standard & Studio levers
- LE2 is available with standard levers only



(Shown with L Lever)

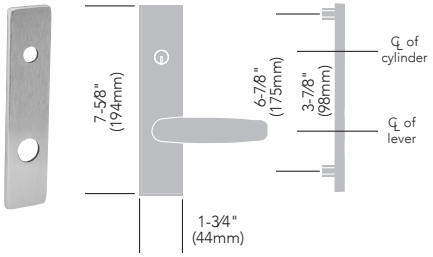
LS Escutcheon Design

- Forged
- Security trim: cylinder is protected by the escutcheon
- (4) spanner security screws are exposed on inside trim standard
- LS is available with standard levers only



LE3/LE4 Escutcheon Design

- Concealed cylinder designed escutcheon, exposed barrel only
- Cast
- LE3- (2) exposed screws inside
- LE4- (2) concealed screws inside
- Not available on double cylinder functions

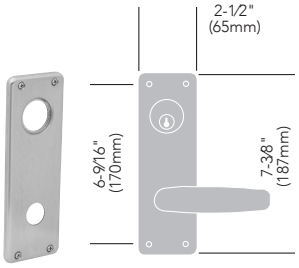


(Shown with L Lever)

- Only available with #41 size cylinders
  - limited keyway and key system offerings – see "Cylinders" on pages 30-31
- If cylinder is ordered separately, specify 78- for concealed cylinder
- LE3 & LE4 are available with standard levers only
- UL437 not available
- Not available with DG2 & DG3 cylinders

WT Escutcheon Design

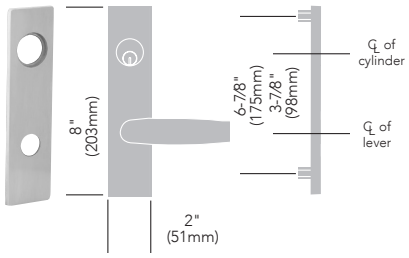
- Heavy wrought
- Surface mounted both inside and outside
- (4) exposed screws both inside and outside
- WT is available with standard levers only



(Shown with L Lever)

LW1 Escutcheon Design

- Wrought
- (2) exposed screws inside
- LW1 is available with standard levers only



(Shown with L Lever)

Note: The LS Escutcheon is not available with cylinder options: 10-63-, 11-60-, 11-63-, 11-64-, 60-, 63-, 64-, 70-, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82-, 83-, 84-, F1-82- & F1-83-

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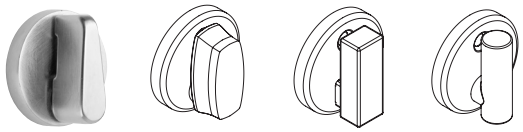
Thumbturn Designs

130KB ROUND BACKPLATE

(Shown with Standard Turn)

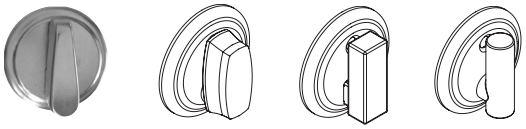


Standard *T1 Turn* *T2 Turn* *T3 Turn*

- Round backplate supplied standard with L, O, LN roses
- Standard turn automatically supplied with sectional trim
- Specify T1, T2, or T3 as an option for decorative turns
- 1-1/2" (38mm) round brass or stainless steel plate

130KT TRADITIONAL BACKPLATE

(Shown with Standard Turn)

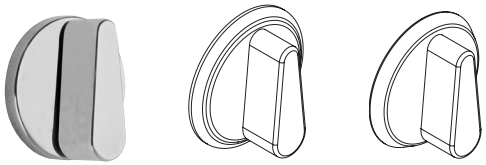


Standard *T1 Turn* *T2 Turn* *T3 Turn*

- Dual radii edge backplate supplied standard with TO and TR roses
- Standard turn automatically supplied with sectional trim
- Specify T1, T2, or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass plate

130LB LARGE ROUND BACKPLATE

(Shown with Large ADA Turn)

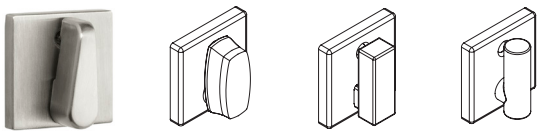


Standard *130LT* *130LC*

- Available with sectional trim
- 40% larger than standard thumbturn
- Specify LB as an option for ADA turn
- 2" (51mm) round brass, zinc, or stainless steel plate & turn
- 130LT - Traditional backplate, 130LC - Contemporary backplate
- Meets ADA Requirements

130KA SQUARE BACKPLATE

(Shown with Standard Turn)

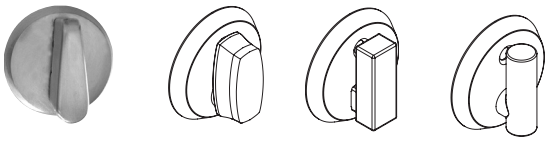


Standard *T1 Turn* *T2 Turn* *T3 Turn*

- Square backplate supplied standard with E, E2, E3, or E4 roses
- Standard turn automatically supplied with sectional trim
- Specify T1, T2, or T3 as an option for decorative turns
- 1-1/2" (38mm) brass or stainless steel plate

130KC CONTEMPORARY BACKPLATE

(Shown with Standard Turn)



Standard *T1 Turn* *T2 Turn* *T3 Turn*

- Beveled edge backplate supplied standard with CO and CR roses
- Standard turn automatically supplied with sectional trim
- Specify T1, T2, or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass or stainless steel plate

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Emergency Releases, Indicators & ADA and Handicap Warnings

EMERGENCY RELEASES

184KB Emergency Release

- 1-1/2" (38mm) round brass, bronze, or stainless steel plate
- For 66 and 68 functions only

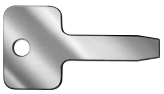
Studio Collection Emergency Release

- 184KC Emergency Release - Contemporary
- 184KT Emergency Release - Traditional

184KA Emergency Release (used with E rose)

- 1-1/2" (38mm) square brass, bronze, or stainless steel plate
- For 66 and 68 functions only

Emergency Key 14-0057



- Carbon steel
- For 66 and 68 functions only
- Must be ordered separately

INDICATORS

49- Option Occupancy Indicator with Emergency Release

185P

- Ideal for restrooms or conference rooms where easy determination of use needs to be made
- OCC/VAC indicator plate standard, field replaceable Red/ White plate included
- Mounts on outside of door
- Not available with escutcheon trim
- Emergency coin operated release standard
- Functions and Roses available:
  - 66, 68 functions with CR, E, L, LN, O & TR roses
- As retrofit, order 185P x finish

50- Option Secured Indicator Rose

- Non-handed with lever and mounting posts field reversible
- VAC/OCC indicator plate standard, field replaceable, red/white plate included
- Mounts on outside of door
- Not available with escutcheon trim
- Available for the following functions:
  - 24, 25 - with rose trim only
- Patent pending design
- For retrofit, order 185S x suffix x finish:

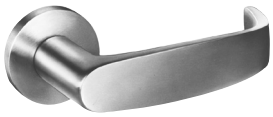
Suffix	Door Thickness
-1	1-3/4" (44mm)

188 Dogging Indicator

- Dogs the top/bottom latches so the lock can function as a normal mortise lock.
- In an emergency, un-dog the rods and the top/ bottom latches will engage.
- Must be ordered with product, see pg 32 for how to order information.
- "Storm Shelter Mode" label is provided for FM7300 Series only
- Not available on BL7300 Series

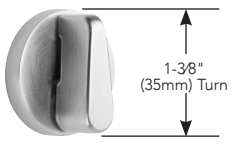
ADA AND HANDICAP WARNING

Lever Return to Door



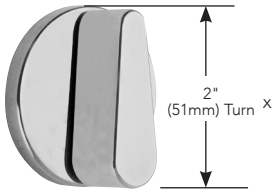
- Lever designs J, L, and P
- Lever returns within 1/2" (13mm) of door face or less
- Meets ADA compliance for national codes

Standard Thumbturn



- Meets ADA compliance for national codes
- Order as: 130KB, 130KC, 130KT, 130W, or 130KA x finish
- See "Thumbturn Designs" on page 22 for design

LB - Thumbturn



- Meets the tougher local ADA requirements
- 40% larger than standard thumbturn
- Order as: 130LB, 130LC, or 130LT finish
- See "Thumbturn Designs" on page 22 for design

Tactile Handicapped Warning

- Abrasive Coating: options 85-, 86- & 87-
- Milled 1/16" Grooves: options 75-, 76- & 77-
  - B, E, J, L, P, and W Levers - grooves on backside surface of lever
  - F Lever - grooves on top and bottom surface of lever

Keys

- Large key bows are available
- Standard key bows can have attachments added to increase the grip area
- Keys are NOT ADA compliant

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Finishes

FINISHES

Standard Levers Finish	Description
03	Polished brass, clear coated
04	Satin brass, clear coated
09	Polished bronze, clear coated
10	Satin bronze, clear coated
10B	Oxidized bronze, oil rubbed
10BE	Medium bronze painted
10BL	Oxidized satin bronze, clear coated
14	Bright nickel plate
15	Satin nickel, clear coated
20D	Statuary dark bronze, clear coated
26	Polished chrome
26D *	Satin chrome
32	Polished stainless steel
32D *	Satin stainless steel
BSP	Black suede powder coat
WSP	White suede powder coat

* MicroShield® — optional designate SG- option (Available on 26D and 32D Finishes only)
Split Finishes — specify outside finish first, then inside finish example: 26D (outside)/04 (inside)

GRAMERCY FINISH CODES

ANSI/BHMA Finish	SARGENT Finish	Gramercy Code^	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

^Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

GRAMERCY LEVER DESCRIPTIONS & AVAILABLE FINISHES

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK30, 30BN30, 29BK30, 29BN30, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Satin Metal Insert	2930 only (SEE NOTATION)
RAS	Santoprene Insert	30BK30, 29BK29, 3EBK3E, BSBKBS or WSBKWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

Notes for Two-tone finishes:
- 2930 Finish: grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32
- 3029 Finish: grip of lever is 32, balance of lever is 32D. Rose/escutcheon and lock finish will be 32D

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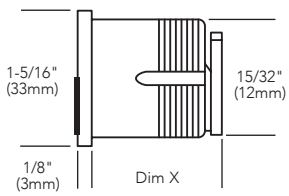
90834 09/25

Cylinders

SARGENT
ASSA ABLOY

Cylinder Lengths (Dim X)

Cylinder No.	41	42	43	46
Dim X Length Under Cylinder Head	1-1/8" (29mm)	1-1/4" (32mm)	1-3/8" (35mm)	1-3/4" (44mm)



DG1, DG2, DG3 – Degree Series

- Utility patented, bump resistant and requires the use of a patented key
- All three locking mechanisms within the same system operated with just one key
- See Degree Key System Catalog for available options

40 Series Type Cylinder

- Cylinder body: Solid brass
- Cap: Brass, bronze, or stainless steel
- All functions take a standard cam
- Standard cam 13-0664

10- Option Signature Series

- The protected system offers the building owner full control over duplication of keys. Highly pick-resistant cylinders
- 10-63- Option - signature cylinder with large format interchangeable cores

11- Option XC Key System

- Patented system works with existing SARGENT keyway adding increased security
- 11- XC standard cylinder
- 11-63- large format interchangeable core
- 11-73- small format interchangeable core

F1-82- and 82- Option KESO

- The system offers the building owner full control over duplication of keys
- Highly pick-resistant cylinders
- Expanded levels of masterkeying
- F1-83- & 83- Option - Keso removable core
- 84- Option - Keso construction core cylinder

51- Option Old Style Removable Core

- Available for **existing systems only** Permanent Removable Cores
- Control key used to remove core, must request control key separately

60- or 70- Option Plastic Construction Core

- For doors that do not require key locking during the construction period
- Operate with coin or flat screwdriver
- For use with LFIC (removable) (60- Option) or SFIC (70- Option) core

63- Option Large Format Interchangeable (Removable) Core

- Allows immediate removal of the core.
- Virtually unlimited key changes
- Available 10-63-, 11-60-, 11-63- & 11-64-
- For disposable core, see 60- Option
- 64- Option- LFIC 6-pin construction core
- Control key used to remove core, must request control key separately

7300B Interchangeable Core

- Small Format Interchangeable Core
- SARGENT interchangeable core cylinders and masterkey systems are available for increased security through quick change of keying. It is unnecessary to remove a cylinder
- SARGENT 7300B interchangeable cores are available in SARGENT 4A and 4B keyways, as well as the following standard competitor keyways: A, B, C, D, E, F, G, H, J, K, L, M
- For disposable core, see 70- Option
- 65-73 Option — 6-pin small format interchangeable cores-uncombinated
- 65-73-7P Option — 7-pin small format interchangeable cores-uncombinated
- 70- Option — small format interchangeable disposable core
- 72- Option — small format interchangeable construction core
- 11-72- construction core provided for use with 11-7300 cylinder housing
- 11-70- temporary plastic core prepared to accept 11-7300 core
- 73- Option — 6-pin small format interchangeable core, SARGENT 4A, 4B keyways
- 73-7P Option — 7-pin small format interchangeable core, SARGENT 4A, 4B keyways
- Control key used to remove core (provided separately)

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Cylinders & Rosettes

SARGENT
ASSA ABLOY

120 Series Mortise Turn Piece Cylinders

- Finishes: 4, 10B, 10BE, 32D, BSP
- Turn lever: Brass or bronze
- Cap: Brass, bronze, or stainless steel
- Must be ordered separately
  - 124- Turn Piece
  - 125- Turn Piece
  - 126- ADA Turn Piece
  - 127- Detachable Turn Piece

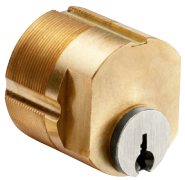
124-

125-

126-

127-

78- Option Exposed Barrel



- Standard for use only with SARGENT escutcheon trims LE3, LE4
- Available 6-pin standard or 7-pin optional
- NOT available with 50-, 60-, 70- or other specialty or higher security options
- See "Cylinder Requirements & Cams" on page 27 for cam required
- Plug finishes: 4, 15 (similar to 26 finish)

21- Option Lost Ball Construction System

- The SARGENT construction keying system protects the building owner by providing temporary masterkeying during the construction period

IKA Rosette with sectional trim

- Used with mortise cylinders
- Furnished standard with the E, E2, E3, and E4 roses
- Brass, bronze, or stainless steel
- 1-1/2" (38 mm) Square, includes compression spring
- Projection from door:
  - 1KA-1 5/16" (8mm) - standard
  - 1KA-2 7/16" (11mm)
  - 1KA-3 9/16" (14mm)
  - 1KA-4 11/16" (16mm)
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D

1KB Rosette with sectional trim

- Used with mortise cylinders and No. 90 blocking rings when cylinders project from door
- Furnished standard with L, O, LN, CO, CR, TO, and TR roses
- Brass, bronze, or stainless steel
- 1-1/2" (38mm) diameter, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D
- Projection from door:
  - 1KB-1 5/16" (8mm) - standard
  - 1KB-2 7/16" (11mm)
  - 1KB-3 9/16" (14mm)

No. 97 Rosette

- Standard for cylinders ordered separately from hardware
- Brass, bronze, or stainless steel
- 1-11/16" (43mm)
- 9/32" (7mm) projection, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 32, 32D

No. 90 Blocking Ring

- Used with 1KB rosettes as spacer when mortise cylinder projects from face of door
- Brass, bronze, or stainless steel
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D

For complete cylinder information, see Cylinders & Components, Signature, Keso, Keso F1 or XC catalogs.

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Cylinder Requirements & Cams

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Sectional Trim (CO, CR, L, LN, O, TO, TR)

Cylinder Size	Door Thickness
	1-3/4"
41	1KB-1
42	1KB-2
43	1KB-3

Escutcheon Trim (CE, LE1, LE2, LW1, TE)

Cylinder Size	Door Thickness
	1-3/4"
41	Cylinder Only
42	1KB-1
43	1KB-1

Sectional Trim (E, E2, E3, E4)

Cylinder Size	Door Thickness
	1-3/4"
41	1KA-1
42	1KA-2
43	1KA-3

Escutcheon Trim (WT)

Cylinder Size	Door Thickness
	1-3/4"
41	Cylinder Only
42	97
43	97

CYLINDER CAMS

SARGENT Conventional Cylinders

- Standard

Std Cam
(13-0664) for all functions

See Cylinder catalogs for additional information

SARGENT Large Format Interchangeable Core Cylinders

- 6300 Cams are factory installed and are not removable
- 6300 Cams are not sold separately
- Specify required cam as a suffix: 63-44-105 cam
- For standard cam: no suffix is required

Std 6300 Cam for all functions

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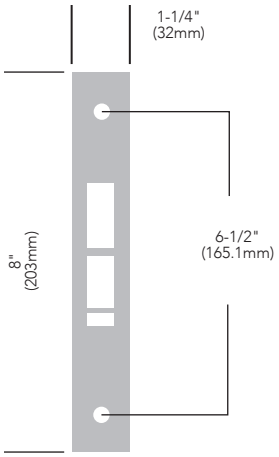
Strikes & Fronts

STRIKE OPTIONS

Part Number	Description
825347	Top Strike Pack
825348	Bottom Strike Pack
825350	Center Strike Pack

OUTSIDE FRONT PLATE

Standard 1-1/4" (32mm)	Functions
82-1814	14, 24, 25, 66, 68
82-1815	01, 18



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Mechanical Options

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MECHANICAL OPTIONS

Categories	How to Specify	Detailed Description
Add Strength	3-	Stainless steel hubs within the mortise lock
Security Fasteners	36-	6 Lobe head security screw (Torx® head, tamper-proof)
	37-	Spanner head tamper-proof security screw (not available with Studio levers)
Visual Indicators	49-	Visual Status Indicator or occupancy indicator with emergency release (not available with escutcheon trim; see "Indicators" on page 23 for details)
	50-	Secured indicator rose (available with rose trim only; see "Indicators" on page 23
Electrical Options	DX-	Deadbolt monitoring — Monitor deadbolt position
	LX	Latchbolt monitoring. (Please contact factory)
Tactile Warnings	75-	Tactile Warning — Milled levers or knurled knobs. Inside trim only (not available with Studio levers and the A lever)
	76-	Tactile Warning — Milled levers or knurled knobs. Outside trim only (not available with Studio levers and the A lever)
	77-	Tactile Warning — Milled levers or knurled knobs. Inside & outside trim (not available with Studio levers and the A lever)
	85-	Tactile Warning — Abrasive coating inside trim only
	86-	Tactile Warning — Abrasive coating outside trim only
	87-	Tactile Warning — Abrasive coating inside & outside trim
Finish Protection	CPC-	Clear powder coat (available for 32 & 32D finishes)
	SG-	MicroShield® antimicrobial clear powder coat (available for 26D and 32D finishes)
Thumbturns (see page 18)	LB-	ADA extra large thumbturn; backplate matches rose design chosen
	T1-	Decorative thumbturn; backplate matches rose design chosen
	T2-	Decorative square thumbturn; backplate matches rose design chosen
	T3-	Decorative cylinder thumbturn; backplate matches rose design chosen
Trim	TR	Working trim only (Can be ordered in quantities of 1 or greater)

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Cylinder Options

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CYLINDER OPTIONS

Categories	How to Specify	Detailed Description	Cylinder Sizes Available
Conventional Cylinder		SARGENT conventional cylinders supplied standard	41-43,46
Degree Key System	DG1-	SARGENT degree key system level 1 (bump resistant with patented keys)	41-43,46
	DG1-21-	Degree level 1 construction masterkeying	41-43,46
	DG1-60-	Degree level 1 removable disposable construction core	41-43,46
	DG1-63-	Degree level 1 removable core	41-43,46
	DG1-64-	Degree level 1 removable construction keyed LFIC	41-43,46
	DG1-65-	Degree level 1 unassembled/uncombined core	41-43,46
	DG1-78-	Degree level 1 exposed plug (for use with LE3/LE4 escutcheons only)	41-43
	DG2-	SARGENT degree key system level 2 (geographically exclusive; bump and pick resistant)	41-43,46
	DG2-21-	Degree level 2 construction masterkeying	41-43,46
	DG2-60-	Degree level 2 removable disposable construction core	41-43,46
	DG2-63-	Degree level 2 removable core	41-43,46
	DG2-64-	Degree level 2 removable construction keyed LFIC	41-43,46
	DG2-65-	Degree level 2 unassembled/uncombined core	41-43,46
	DG3-	SARGENT degree key system level 3 (geographically exclusive; UL437 certified; bump and pick resistant)	41-43,46
	DG3-21-	Degree level 3 construction masterkeying	41-43,46
	DG3-60-	Degree level 3 removable disposable construction core	41-43,46
	DG3-63-	Degree level 3 removable core	41-43,46
	DG3-64-	Degree level 3 removable construction keyed LFIC	41-43,46
Signature Key System	10-	SARGENT signature key system (not available with other key systems)	41-43,46
	10-21-	SARGENT signature construction key system (lost ball)	41-43,46
Signature Large Format Interchangeable Core (Removable Core)	10-63-	SARGENT signature LFIC (removable) core cylinder	42, 43, 46
XC- Key System	11-	XC- key system (not available with other key systems, unless specified)	41-43,46
	11-21-	XC- construction key system (lost ball)	41-43,46
XC- Large Format Interchangeable Core (Removable Core)	11-60-	Hardware to accept XC- permanent LFIC (removable core), disposable plastic core provided	42, 43, 46
	11-63-	Hardware provided with XC- LFIC (removable core) cylinder (includes masterkeying, grand masterkeying)	42, 43, 46
	11-64-	Hardware provided with keyed construction core to accept XC- LFIC (removable), permanent core ordered separately	42, 43, 46
XC- Small Format Interchangeable Cores	11-70-7P-	Hardware to accept XC- SFIC (7-pin) XC- permanent cores, disposable plastic core provided	43 & 46
	11-72-7P-	Hardware to accept XC- SFIC (7-pin keyed construction core provided) cylinder permanent core ordered separately	43 & 46
	11-73-7P-	Hardware provided with XC- small format 7-pin interchangeable core (Includes masterkeying, grand masterkeying)	43 & 46
	11-65-73-7P-	Hardware provided to accept XC- uncombinated 7-pin SFIC (permanent) core — (packed loose)	43 & 46
Construction Key System	21-	SARGENT lost ball construction keying for conventional, XC, and Signature Series (N/A with 63- or 73-)	–

Note: Interchangeable core and removable core cylinders do not meet Security Grade 1 requirements

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Cylinder Options (continued)

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CYLINDER OPTIONS (CONTINUED)

Categories	How to Specify	Detailed Description	Cylinder Sizes Available
Large Format Interchangeable Core	60-	Hardware to accept SARGENT permanent LFIC (removable core), disposable plastic core provided (permanent cores ordered separately)	42, 43, 46
	63-	Hardware provided with LFIC (removable core) cylinder - (Includes masterkeying, grand masterkeying)	42, 43, 46
	64-	Hardware provided with Keyed construction core to accept LFIC (removable) permanent core (ordered separately)	42, 43, 46
Small Format Interchangeable Cores	70-	Hardware to accept 6- or 7-pin SFIC permanent cores, disposable plastic core provided	43 & 46
	72-	Hardware to accept 6- or 7-pin SFIC (keyed construction core provided) cylinder (permanent core ordered separately)	43 & 46
	73-	Hardware provided with 6-pin SFIC (Includes masterkeying, grand masterkeying)	43 & 46
	65-73-	Hardware provided to accept uncombinated 6-pin SFIC (permanent) core — (packed loose for field keying)	43 & 46
	65-73-7P-	Hardware provided to accept uncombinated 7-pin SFIC (permanent) core — (packed loose for field keying)	43 & 46
	73-7P-	Hardware provided with small format 7-pin interchangeable core (Includes masterkeying, grand masterkeying)	43 & 46
Keso & Keso F1	81-	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (permanent cores ordered separately)	172-173,176
	82-	Hardware provided with SARGENT Keso security cylinder	71-73,76
	F1-82-	Hardware provided with SARGENT Keso F1 security cylinder (patented)	71-73,76
	83-	Hardware provided with SARGENT Keso security removable core cylinder	172-173,176
	F1-83-	Hardware provided with SARGENT Keso F1 security removable core cylinder (patented)	172-173,176
	84-	Hardware provided with SARGENT Keso construction cores (permanent cores ordered separately)	172-173,176
Additional Security	BR-	Bump resistant cylinder (available with conventional & conventional XC cylinders only)	–
Less Cylinder	LC-	Less cylinder – SARGENT supplies standard blocking rings for 1-1/8" cylinders (for longer cylinders order collars/rings separately)	–
Schlage Keyways	SC-^	Schlage C keyway cylinder, 0 bitted	#41 Only
	SE-^	Schlage E keyway cylinder, 0 bitted	#41 Only

Cylinder Length	SARGENT Cylinder Sizes	Keso Cylinder Sizes	Keso R/C Cylinder Sizes
1-1/8"	#41	#71	N/A
1-1/4"	#42	#72	#172
1-3/8"	#43	#73	#173
1-3/4"	#46	#76	#176

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How To Order

HOW TO ORDER 7300 SERIES MULTI-POINT LOCKS

Options*	Series	Function	Roses/ Escutcheons	Trim	Aux Control	Finish	Hand	Door Height**
For all available options see pages 29-32	7300 FM7300 BL7300	Page 8-15	Pages 18, 21, 22	Levers — pages 16, 17, 19	188	Page 24	RHR	Pages 5, 6, 7

* Multiple options can be selected.
** Door height can be specified to 1/8" increments.

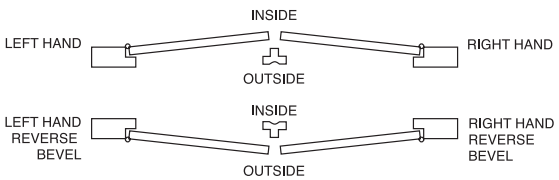
ORDERING EXAMPLES

Series	Function	Roses/ Escutcheons	Trim	Aux Control	Finish	Hand	Door Height**
7300 Series Multi-Point Lock	7318	LN	L		26D	RHR	120"
FM7300 Series Multi-Point Lock	FM7324	LE1	MD	188	32D	LH	96"
BL7300 Series Multi-Point Lock	3-BL7339	CO	A		10BE	LHR	7'

* Multiple options can be selected.
** Door height can be specified to 1/8" increments.

Note: This product is part of a complete tornado assembly and must be used with a Ceco Door or Curries door. Concealed vertical rods, top & bottom latches, and the lockbody cassette will be factory installed. All other hardware components are shipped directly to the customer and must be installed by a factory trained installer.

DOOR HANDING



Door hand is determined by door swing when viewed from outside/secured (keyed) of door

*Multiple options available

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Architectural Specifications

7300 SERIES FORTIFIED MULTI-POINT DEADLOCKING SYSTEM

Three-Point Locking System

Three-Point deadbolt locks are engineered for use on inswing and outswing door applications. Concealed, fortified steel construction secures the door to the frame at top, bottom, and center latching points. All three latching points shall be activated with one single motion when the lock is closed and retracted with one single motion for egress.

1. The 7300 Series locking system is part of an integrated door, frame, and hardware assembly listed to the following standards:
    a. ANSI-BHMA listed to A156.37 Grade 1 for multi-point locks:
        i. Lever torque to retract all bolts less than 28 in.lb.
        ii. Cycle tested to 800,000 cycles
    b. NFPA 80 and NFPA 101 life safety requirements
    c. UL10B or UL10C, 3-hour fire rated openings
2. Latchbolt construction:
    a. Center Bolt: one piece, 3/4" throw anti-friction stainless steel latch and one piece, 1" throw, hardened stainless steel deadbolt; 2-3/4" backset standard
    b. Top and Bottom Bolt: 3/4" x 3/4" square stainless steel latchbolt with 3/4" projection
3. Locks must be able to accommodate sectional rose and lever trim to match the design style and architectural finishes as the balance of the lockset and latches specified:
    a. 9 roses available
    b. 54 levers available
    c. 16 finishes available
4. Locks shall be available in both mechanical and electro-mechanical functions.
5. Independent top and bottom bolt projection shall be field adjustable :
    a. From the center mortise pocket
    b. While the door is hung:
        i. Does not require taking the door down to adjust
6. Bottom strike shall be offset and reversible to accommodate alignment issues due to rough opening tolerances
7. Must be available with access control options for higher or everyday use and traceability:
    a. IN series (IN120, 220)
    b. SN (SN200, SN210)

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Architectural Specifications

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FM7300 SERIES FORTIFIED MULTI-POINT DEADLOCKING SYSTEM

Three-Point Locking System

Three-point deadbolt locks are engineered for use on inswing and outswing door applications at ICC 500 (2020) and FEMA P-361 (2021) storm shelter and safe room locations. Concealed, fortified steel construction secures the door to the frame at top, bottom, and center latching points. All three latching points shall be activated with one single motion when the lock is closed and retracted with one single motion for egress.

1. The FM7300 Series locking system is part of an integrated door, frame, and hardware assembly listed to the following standards:
   a. UL listed to FEMA P-361 (2015) for inswing and outswing pair and single doors
   b. UL listed to FEMA P-320 (2014) for inswing and outswing pair and single doors
   c. UL listed to ICC500 (2014/2020) for tornado shelters for inswing and outswing pair and single doors
   d. ANSI-BHMA listed to A156.37 Grade 1 for multi-point locks:
      i. Lever torque to retract all bolts less than 28 in.lb.
      ii. Cycle tested to 800,000 cycles
   e. NFPA 80 and NFPA 101 life safety requirements
   f. UL10B or UL10C, 3-hour fire-rated openings
2. Latchbolt construction:
   a. Center Bolt: one piece, 3/4" throw, anti-friction stainless steel latch and one piece, 1" throw, hardened stainless steel deadbolt; 2-3/4" backset standard
   b. Top and Bottom Bolt: 3/4" x 3/4" square stainless steel latchbolt with 3/4" projection
3. Locks must be able to accommodate sectional rose and lever trim to match the design style and architectural finishes specified in the balance of the lockset and latches:
   a. 9 roses available
   b. 54 levers available
   c. 16 finishes available
4. Locks shall be available in both mechanical and electro-mechanical functions.
5. Independent top and bottom bolt projection shall be field adjustable:
   a. From the center mortise pocket
   b. While the door is hung:
      i. Does not require taking the door down to adjust
6. Bottom strike shall be offset and reversible to accommodate alignment issues due to rough opening tolerances
7. Must be available with access control options for higher or everyday use and traceability:
   a. IN Series (IN120, 220)
   b. SN (SN200, SN210)
8. Must be available with rod-dogging indicator option:
   a. Operated by single-point latching for non-emergency or normal use of the space
   b. Holds rods in retracted state
   c. Day-to-day operations with mortise lock only
   d. Indicator to show status

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Architectural Specifications

BL7300 SERIES FORTIFIED MULTI-POINT DEADLOCKING SYSTEM

Three-Point Locking System

Three-point deadbolt locks are engineered for use on inswing and outswing door applications. Concealed, fortified steel construction secures the door to the frame at top, bottom, and center latching points. All three latching points shall be activated with one single motion when the lock is closed and retracted with one single motion for egress.

1. The BL7300 Series locking system is part of an integrated door, frame, and hardware assembly listed to the following standards:
   a. Blast 6.16 psi Category I / Hurricane 150 psf and 50 fps
   b. Blast 9.74 psi Category II / Hurricane 150 psf and 50 fps
   c. ANSI-BHMA listed to A156.37 Grade 1 for multi-point locks:
      i. Lever torque to retract all bolts less than 28 in.lb.
      ii. Cycle tested to 800,000 cycles
   d. UL10B or UL10C, 3-hour fire-rated openings
2. Latchbolt construction:
   a. Center Bolt: one piece, 3/4" throw, anti-friction stainless steel latch and one piece, 1" throw, hardened stainless steel deadbolt; 2-3/4" backset standard
   b. Top and Bottom Bolt: 3/4" x 3/4" square stainless steel latchbolt with 3/4" projection
3. Locks must be able to accommodate sectional rose and lever trim to match the design style and architectural finishes specified in the balance of the lockset and latches:
   a. 9 roses available
   b. 54 levers available
   c. 16 finishes available
4. Locks shall be available in both mechanical and electro-mechanical functions.
5. Independent top and bottom bolt projection shall be field adjustable:
   a. From the center mortise pocket
   b. While the door is hung:
      i. Does not require taking the door down to adjust
6. Bottom strike shall be offset and reversible to accommodate alignment issues due to rough opening tolerances
7. Must be available with access control options for higher or everyday use and traceability:
   a. IN Series (IN120, 220)
   b. SN (SN200, SN210)

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

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

SARGENT®

ASSA ABLOY

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www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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SARGENT®
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PRODUCT CATALOG

FM6100 Series Multi-Point Lock for Shutters

Experience a safer
and more open world

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MICROSHIELD®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

MICROSHIELD® COATING

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

agion Nature's antimicrobial The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

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⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

Introduction & Features

The SARGENT FM6100 Series is a multi-point auto deadlocking system developed to help protect lives while securing a community shelter or safe room entry. Sturdy heavy-duty steel components firmly secure the door or storm shutter within the frame – at top, bottom and center latch points – securing the opening during a windstorm event. The FM6100 is UL Classified to FEMA P-361 (2021) and ICC 500 (2020). This device consists of concealed vertical rods with a top and bottom latching complemented by an automatically projecting deadbolt at the center of the shutter. The device is operated by dual mounted EC controls (similar to the 80 Series ET Controls).

The EC control operates by pushing the top bolt out of the door or storm shutter and into the frame while retracting the bottom bolt and deadbolt simultaneously. Once retracted the bolts are held in position as the storm shutter swings. As the locking system closes, the hold back feature engages the frame: all bolts project simultaneously. Once secured, the occupants are protected against threatening conditions.

EC controls are available with a variety of functions which include classroom and passage x blank plate. All FM6100 devices are UL Listed to applicable 3 hour fire standards.

The FM6100 Series is a heavy-duty multi-point auto deadlocking system joining the SARGENT line of multi-point security devices including:
- Center & Top Latching Exit Devices which incorporate a mortise lock and top latching vertical rods

INNOVATION

- Unique and robust multi-point auto deadlocking system engineered to help save lives

FM6100 Series
- **Fully integrated – FM6100 Series is part of a complete ASSA ABLOY severe windstorm solution requiring CECO DOOR and CURRIES StormPro® shutters, and McKINNEY® StormPro® hinges**
- UL Classified to FEMA P-361 (2021) and ICC 500 (2020) for inswing and outswing shutters 2'8" w x 3'0" h minimum to 4'0" w x 6'8" h maximum.

APPLICATIONS

- Perfect for community refuge areas – where people seek protection from strong wind events
- Community shelters and safe rooms, corporate campuses, K-12 schools, healthcare facilities and government facilities

STRENGTH & DURABILITY

- UL Listed 3-hour fire rating
- Extra-heavy duty steel components automatically secure the shutter to the frame
  - In multiple locations: top, bottom and center latch points
  - Fortifies opening to withstand extreme wind speeds and flying debris
- Heavy duty escutcheons standard
- Fortified with high tensile alloy Holo-Krome® fasteners
- Through-bolts on shutter for solid attachment
- Seven year limited warranty

FEATURES

All latching points activate automatically when shutter is closed and retract with one single motion upon exit
- Both inswing and outswing applications
- Solid cast levers

Two functions available:
- Passage Lever x Blank Plate
- Classroom

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Windstorm: UL Certifications

WINDSTORM CERTIFICATIONS: UL LISTINGS

Listed below are certifications and standards met by the FM6100 Multi-Point Auto Deadlocking System.

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

FEMA Publication 361 (2021)	"Design and Construction Guidance for Community Safe Rooms", investigated with respect to impact and pressure requirements only
ICC 500 (2020)	"ICC/NSSA Standard for the Design and Construction of Storm Shelters", investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. The information below correlates design wind speed to the minimum missile speeds as discussed in Table 305.1.1 of ICC 500

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

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FM6100 Specifications

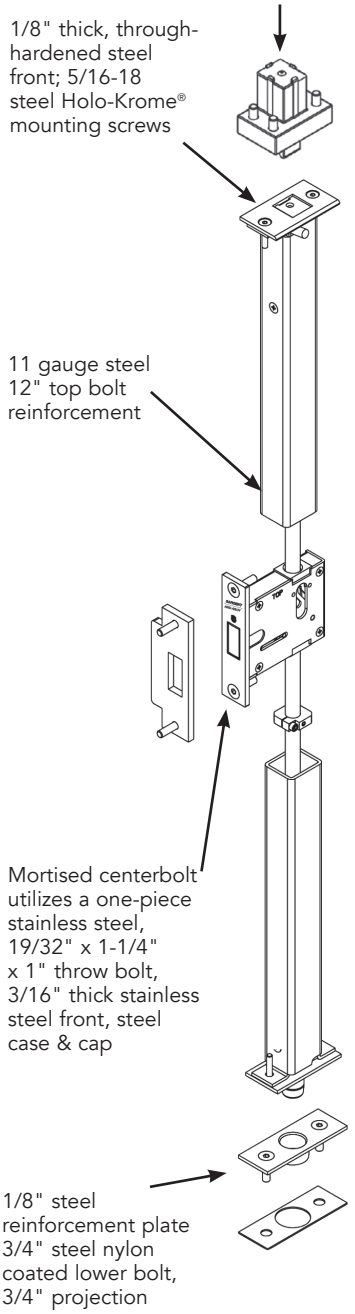
FEATURES

- **FM6100 is part of a complete ASSA ABLOY severe windstorm solution requiring CECO DOOR StormPro® 361, CURRIES StormPro® 361, and McKINNEY® hinges**
- Meets FEMA P-361 (2021) and ICC 500 (2020) for inswing and outswing shutters
- Concealed rods offer additional security
- All functions determined by outside trim

SPECIFICATIONS

For Shutters	1-3/4" thick Shutter only; Fully integrated – FM6100 Series is part of a complete ASSA ABLOY windstorm solution requiring CECO DOOR StormPro® 361, CURRIES StormPro® 361, and McKINNEY® hinges
Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Handed; specify RH or LH, see chart below
Top Bolt	Hardened steel with 7/8" projection in a 5/8" stainless steel housing projecting from the frame
Bottom Bolt	Steel 3/4" diameter with 3/4" projection with 1/8" steel plate
Center Bolt	One-piece stainless steel, 19/32" x 1-1/4" x 1" throw
Lock Front	1-1/8" x 4-7/8" x 3/16" thick stainless steel, one piece
Center Bolt Strike	1/4" thick stainless steel
Backset	2-3/4" standard
Shutters Thickness	1-3/4" standard
Sizes	Single shutters - Minimum 2'6" x 3'0" - Maximum 4'0" x 6'8" Pair of Shutters - Minimum 5'0" x 4'0" - Maximum 8'0" x 6'8"
Shutter Swing	Inswing or outswing
Trim	EC trim with Standard, Coastal Series or Studio Collection levers
Functions	• Passage Lever x Blank Plate (standard) • Classroom
Cylinder	#41 Mortise Cylinder

5/8" stainless steel latch housing through-hardened steel latchbolt, 3/4" projection 1/4-20 steel Holo-Krome® mounting screws



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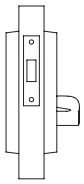
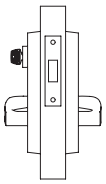
Functions and Descriptions

	Available Functions and Designations				
How to Order	**Outside EC Function**			**Inside EC Function**	
Product Designation	**SARGENT Function Numbers**	**Outside Function Description**		**SARGENT Function Numbers**	**Inside Function Description**
FM6101	01	• Multi-point auto deadlocking system • Multi-point latch retraction by inside lever • Lever on one side, blank plate on the other • Lever always free • For inswing and outswing storm shutters		15	Inside Passage
FM6113	13	• Multi-point auto deadlocking system • Multi-point latch retraction by lever either side, unless outside lever is locked by key outside • Inside lever always free		15	Classroom

Note: Product designation is determined by function of outside trim. The inside trim is always 15 function, which allows for free egress. Function combinations not shown may be available as a special. Consult factory.

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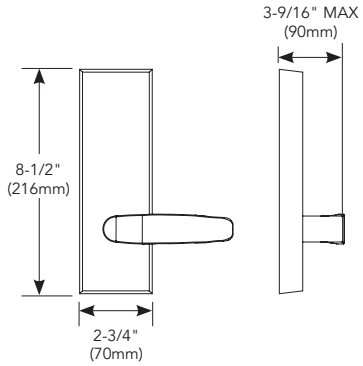
EC Trim, Finishes, Standard & Coastal Series Levers

EC LEVER CONTROLS

The trim for the FM6100 Series is the EC Control which mounts on each side of the shutter. The outside EC Control determines the function of the entire device. The inside EC Control provides a passage function. Easy operating lever handle allows convenient one hand operation. Decorative Coastal Series Levers and Studio Collection levers are available. All levers are brass. For stainless steel levers consult factory.



SARGENT Finishes	Description
03	Bright brass, clear coated
04	Satin brass, clear coated
09	Bright bronze, clear coated
10	Satin bronze, clear coated
10B	Dark oxidized satin bronze, oil rubbed
10BE	Dark oxidized satin bronze equivalent
10BL	Dark oxidized satin bronze, clear coated
14	Bright Nickel, clear coated
15	Satin Nickel, clear coated
20D	Statuary bronze dark powder coated
26	Bright chromium plated
26D	Satin chromium plated
BSP	Black suede powder coat
WSP	White suede powder coat

STANDARD AND COASTAL SERIES LEVERS

A Lever Design

- Lever: A-Solid forged or cast
- Must specify hand when ordering

B Lever Design

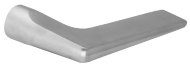
- Lever: B-Solid forged or cast

E Lever Design

- Lever: E-Solid forged or cast

F Lever Design

- Lever: F-Solid forged or cast



J Lever Design

- Lever: J-Solid bar stock

L Lever Design

- Lever: L-Solid forged or cast

P Lever Design

- Lever: P-Solid forged or cast

W Lever Design

- Lever: W-Solid bar stock

COASTAL SERIES™ LEVERS

- Solid cast brass

G - Gulfport™

- Must specify hand when ordering

R - Rockport™

S - Sanibel™

- Must specify hand when ordering

Y - Yarmouth™

- Must specify hand when ordering

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Studio Collection Levers

SARGENT
ASSA ABLOY

Aventura Series		
Lever	**Design**	**Handed**
MB		—
ME		—
MF		—
MG		—
MI		—
MW[1]		—
NF		—

Notting Hill Series		
Lever	**Design**	**Handed**
MA[2]		No
MQ[2]		Yes
MT[2]		Yes
MO[2]		No
MZ[1,2]		Yes

Odeon Series (Handed Levers)		
MN[2]		Yes
MH[2]		Yes
MS[2]		Yes
MU[2]		Yes
MV[2]		Yes
NU[1,2]		Yes

Centro Series		
MD		—
MJ		—
MP[2]		—
ND[1]		—
NJ[1]		—

FEATURES

- Levers with curves and contours provide a comfortable grip
- All levers meet ADA compliance for national codes
- All levers – solid brass (for stainless steel consult factory)

1. Lever returns within 1/2" (13mm) of door face
2. Not available in 32D or 32 finish

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Studio Collection Levers

Wooster Square		
H001		—
H002[1]		—
H003		—
H004		—
H005[1]		—
H006[1]		—

Grant Park		
Lever	**Design**	**Handed**
H007		—
H008		Yes
H011		—

Berlin		
H015		—
H016[1]		—
H017		—
H018		—

1 Lever returns within 1/2" (13mm) of door face.
2 Levers are not available with Simpli™ Roseless trim.

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Mechanical & Cylinder Options

MECHANICAL OPTIONS

Features	Option	Description
Security Fasteners	**36-**	Six lobe security head screws
Tactile Warning Options	**75-**	Tactile Warning -Milled Inside Lever (Not available with Studio & Coastal Series Levers and the A Lever)
	76-	Tactile Warning -Milled Outside Lever (Not available with Studio & Coastal Series Levers and the A Lever)
	77-	Tactile Warning -Milled Inside & Outside Lever (Not available with Studio & Coastal Series Levers and the A Lever)
	85-	Tactile Warning -Abrasive Coating on Inside Lever
	86-	Tactile Warning -Abrasive Coating on Outside Lever
	87-	Tactile Warning -Abrasive Coating on Outside Lever & Inside Lever
Finish Protection	**CPC-**	Clear Powder Coat (Available for 26 & 26D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15 and 26D finishes)

CYLINDER OPTIONS

Cylinder Type	Option	Description
Conventional Cylinder	**Std**	SARGENT Conventional Cylinders
Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (Bump and pick resistant)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG1-78-	Degree Level 1 Exposed Plug (For use with LE3/LE4 escutcheons only)
	DG2-	SARGENT Degree Key System Level 2 (Geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG2-78-	Degree Level 2 Exposed Plug (For use with LE3/LE4 escutcheons only)
	DG3-	SARGENT Degree Key System Level 3 (Geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
	DG3-78-	Degree Level 3 Exposed Plug (For use with LE3/LE4 escutcheons only)
Signature Key System	**10-**	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature: Large Format Interchangeable Core (Removable Core)	**10-63-**	SARGENT Signature LFIC (Removable Core) Cylinder
XC- Key System	**11-**	XC Key System (Not Available with other Key Systems, Unless specified)
	11-21-	XC- Construction Key System (Lost Ball)

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Cylinder Options

CYLINDER OPTIONS

Cylinder Type	Option	Description
XC- Large Format Interchangeable Core + (Removable Core)	**11-60-**	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core- provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XCLFIC (Removable) Permanent Core (ordered Separately)
XC- Small Format Interchangeable Cores +	**11-70-7P-**	Hardware to accept XC- SFIC (7 Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-	Hardware to accept XC- SFIC (7-pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose)
Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63-, 73-, 82-, SC- & SE-)
Old Style Removable Core	**51-**	Removable Core Cylinder (Old Style) provided (Existing systems only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (existing systems only)
Large Format Interchangeable Core (Removable Core)	**60-**	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable Plastic Core provided (Permanent Cores ordered separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) (Permanent Core ordered separately)
Small Format Interchangeable Cores	**70-**	Hardware to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-	Hardware to accept 6- or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)
	73-	Hardware supplied with 6-Pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (Packed loose for field keying)
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (Packed loose for field keying)
	73-7P-	Hardware supplied with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying)
Keso F1- & Keso	**81-**	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores ordered separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Permanent Cores ordered separately)
Bump Resistant	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	**LC-**	Less Cylinder
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted
	SE-	Schlage E keyway cylinder, 0 bitted

Note: For V-10 Cylinders and information contact ASSA
Note: When tying into existing key systems contact Key Records for compatibility

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FM6100: How to Order & Architectural Specification

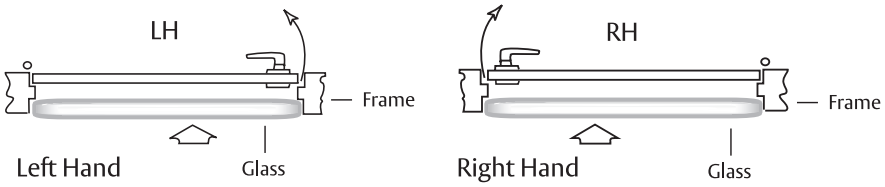
HOW TO ORDER: FM6100 MULTI-POINT AUTO DEADLOCKING STORM SHUTTERS

10-	FM61	13	EC	MJ	RH	26D	**54"
Options	**Series**	***Function Designation**	**Escutcheon**	**Lever**	**Hand**	**Finish**	**Opening Height**
Page 10 & 11	FM61	13 15 01	EC Control Standard	Pages 7-9	RH LH	Page 7	

Note: For 1-3/4" thick doors only

* Function designation is determined by function of outside trim
** Shutter deadlocking systems are available in two height ranges 3'0" - 4'6" and 4'7" - 6'8"; SARGENT will supply the correct range based on opening height specified

HAND



FM6100 SERIES STORM SHUTTER MULTI-POINT LATCHING SYSTEM

Three-Point Locking System Devices: Three-Point, auto deadbolt locking devices are engineered for use on inswing and outswing shutter applications at windstorm safe shelter room locations. Concealed, fortified steel construction secures the shutter to the frame at top, bottom and center latching positions. All three latching points shall be automatically activated when the device is closed and retracted with one single lever activation motion.

1. The Multi-Point latching system device is part of an integrated shutter, frame and hardware assembly UL Classified to FEMA P361 (2021) and ICC 500 (2020) for inswing and outswing applications.
2. Latchbolt Construction:
   a. Mortised Center bolt: Single piece, 13 gage chrome plated steel lock case with 3/16" thick stainless steel front. Stainless steel, 1" throw deadbolt. 2-3/4" backset standard with 1/4" stainless steel center bolt strike.
   b. Top Latch: Through-hardened steel latchbolt with 7/8" projection,1/8" steel latchbolt front, and 5/8" stainless steel latch housing secured with 5/16-18 Holo-Krome® fasteners.
   c. Bottom Bolt: 3/4" diameter steel nylon coated bolt with 3/4" projection and 1/8" steel reinforcement plate. Brass strike housing secured with 1/4-20 Holo-Krome fasteners.
3. Provide devices with heavy-duty escutcheon trim and solid cast levers matching the design style and architectural finishes as the balance of the lockset and latches specified.
4. Storm shutters are furnished as a complete door, frame, and hardware assembly for openings measuring from 2'8" x 3'0' minimum to 4'0" x 6'8" maximum.
5. Three-Point locking system devices shall have a seven-year limited warranty.

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Notes

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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SARGENT®
ASSA ABLOY

PRODUCT CATALOG

FM7100 Series Multi-Point Lock

DISCONTINUED

Experience a safer
and more open world

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SARGENT®
ASSA ABLOY

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MICROSHIELD®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

MICROSHIELD® COATING

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

agion Nature's antimicrobial The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

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On The Cover
FM7100 X ECMH

⚠ WARNING
This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

Introduction & Features

SARGENT FM7100 Series multi-point lock was developed to help protect lives while securing a community shelter and safe room entry. Sturdy heavy-duty steel components firmly secure the door within the frame – at top, bottom and center latch points – securing the opening during a windstorm event. The FM7100 Series is UL approved for FEMA P-320 (2014), FEMA P-361 (2015) and ICC 500 (2014) applications. This lock will withstand severe wind speeds and flying debris. This device consists of concealed vertical rods with top and bottom latching complemented by an automatically projecting deadbolt at the center of the door. The device is operated by dual mounted EC controls (similar to the 80 Series ET Controls).

The EC control operates by pushing the top bolt out of the door or storm shutter and into the frame while retracting the bottom bolt and deadbolt simultaneously. Once retracted the bolts are held in position as the door swings. As the door closes, the hold back feature in the lock engages the frame: all bolts project simultaneously. Once secured, the occupants are protected against threatening conditions.

EC controls are available with a variety of functions which include classroom, passage and passage x blank plate. All FM7100 Series devices are fire rated and can be used on fire rated doors (4' x 8').

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

INNOVATION

- Unique and robust multi-point lock engineered to help save lives
  - Integrated with the CECO StormPro® 361, CURRIES StormPro® 361, FLEMING BARON F-5 doors and frames and McKINNEY hinges provides an opening meeting FEMA guidelines for:
    - FEMA P-320 (2014) (residential safe rooms design and construction)
    - FEMA P-361 (2015) (building community shelters design and construction for tornado and hurricane protection)
    - ICC 500 (2014) (Standard for the Design and Construction of Storm Shelters)
    - For Windstorm Certifications, see page 9

APPLICATIONS

- Perfect for community refuge areas – where people seek protection from strong wind events
- Community shelters and safe rooms, corporate campuses, schools, healthcare facilities and government facilities

STRENGTH & DURABILITY

- UL 3-hour fire rating
- Extra-heavy duty steel components automatically secure the door to the frame
  - In multiple locations: top, bottom and center latch points
  - Fortifies opening to withstand extreme wind speeds and flying debris
- Heavy duty escutcheons standard
- Fortified with high tensile alloy Holo-Krome® fasteners
- Thru bolts on door for solid attachment

FEATURES

All latching points activate automatically when door is closed and retract with one single motion upon exit
  -Both inswing and outswing applications
  - Solid cast levers

Three functions available:
  - Classroom
  - Passage
  - Passage Lever x Blank Plate

- Seven year limited warranty

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Windstorm: UL & Florida Certifications

WINDSTORM CERTIFICATIONS: FLORIDA BUILDING CODES & UL LISTINGS

SARGENT Manufacturing's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the FM7100 Series multi-point lock.

FLORIDA BUILDING CODE: FL2998
UL CERTIFICATION DIRECTORY: ZHEM.R21744 – LATCHING HARDWARE

ANSI/SDI-BHMA A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ANSI/ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the "Florida Building Code"

UL CERTIFICATION DIRECTORY: ZHLL.R21744 – PRODUCTS FOR USE IN WINDSTORM-RATED ASSEMBLIES

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
AAMA/WDMA/CSA 101/I.S.2/A440	"Standard/Specification for Windows, Doors, and Unit Skylights"
FEMA Publication P-320 (2014)	"Taking Shelter From the Storm: Building a Safe Room for Your Home or Small Business", investigated with respect to impact and pressure requirements only
FEMA Publication P-361 (2015)	"Design and Construction Guidance for Community Safe Rooms", investigated with respect to impact and pressure requirements only
ICC 500 (2014)	"ICC/NSSA Standard for the Design and Construction of Storm Shelters", investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. The information below correlates design wind speed to the minimum missile speeds as discussed in Table 305.1.1 of ICC 500 (2014)

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Specifications

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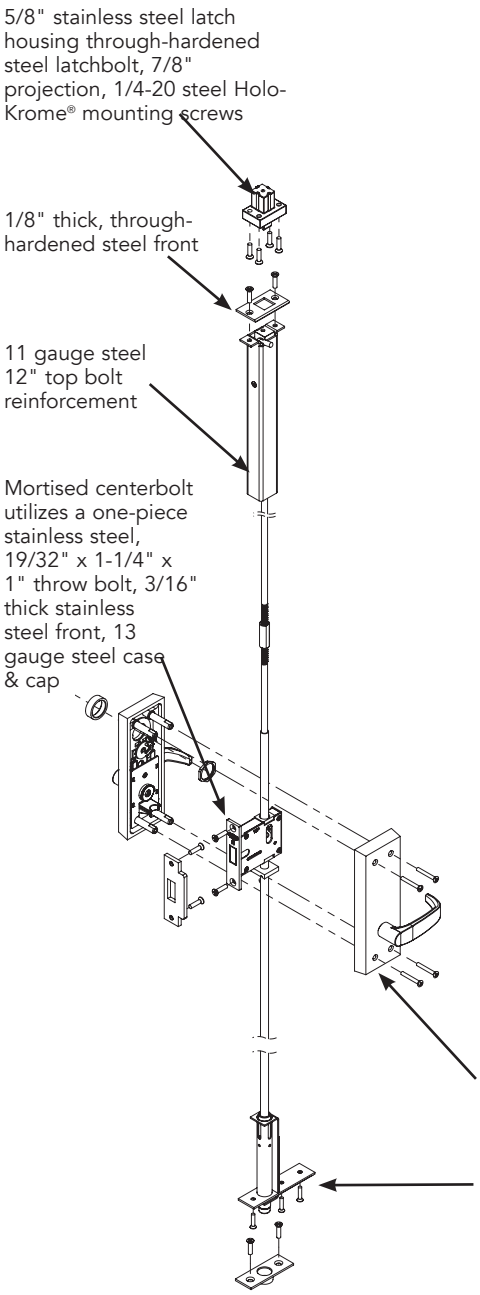
ASSA ABLOY



FEATURES

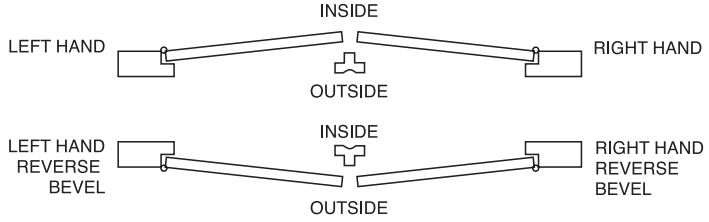
- Integrated with CECO StormPro® 361, CURRIES StormPro® 361 and FLEMING BARON F-5 doors and frames and McKINNEY hinges provide a multi-point auto deadlocking system
- Meets FEMA P-320 (2014), FEMA P-361 (2015) and ICC 500 (2014) Guidelines for both inswing and outswing doors
- Concealed rods offer additional security
- All functions determined by outside trim

SPECIFICATIONS

For Doors	1-3/4" thick door only; Fully integrated – FM7100 Series is part of a complete ASSA ABLOY windstorm solution utilizing CECO StormPro® 361, CURRIES StormPro® 361, FLEMING F-5 doors and frames and McKINNEY® hinges
Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Handed; specify RHR, LHR, RH or LH
Top Bolt	Hardened steel with 7/8" projection in a 5/8" stainless steel housing
Bottom Bolt	Steel 3/4" diameter with 3/4" projection with 1/8" steel plate
Center Bolt	One-piece stainless steel, 19/32" x 1-1/4" x 1" throw
Lock Front	1-1/8" x 4-7/8" x 3/16" thick stainless steel, one piece
Center Bolt Strike	1/4" thick stainless steel
Backset	2-3/4" standard
Door Thickness	1-3/4" standard
Door Height	Two adjustable ranges available: 6'8"- 8'0" & 5'6"-6'8" Meets FEMA P-320 (2014), FEMA P-361 (2015) and ICC 500 (2014) Guidelines for both inswing and outswing doors
Maximum Opening	Single door 4'0" x 8'0" and double doors 8'0" x 8'0"
Trim	EC trim with Standard, Coastal Series or Studio Collection levers
Functions	- Classroom - Passage - Passage Lever x Blank Plate
Cylinder	#41 Mortise Cylinder

Note: For UL & Florida Certifications see page 9

HAND



DOOR HANDS DETERMINED FROM OUTSIDE OF DOOR OR SECURED SIDE

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Functions and Descriptions

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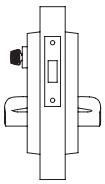
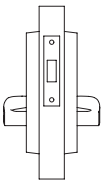
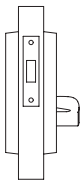
	Available Functions and Designations				
How to Order	**Outside EC Function**			**Inside EC Function**	
Product Designation	**SARGENT Function Numbers**	**Outside Function Description**		**SARGENT Function Numbers**	**Inside Function Description**
FM7113	13	• Multi-point auto deadlocking system • Multi-point latch retraction by lever either side, unless outside lever is locked by key outside • Inside lever always free		15	Classroom
FM7115	15	• Multi-point auto deadlocking system • Multi-point latch retraction by lever either side • Both levers always free		15	Passage Only (No cylinder)
FM7101	01	• Multi-point auto deadlocking system • Multi-point latch retraction by inside lever • Lever on one side, blank plate on the other • Lever always free		15	Inside Passage

Note: Product designation is determined by function of outside trim. The inside trim is always 15 function, which allows for free egress. Function combinations not shown may be available as a special. Consult factory

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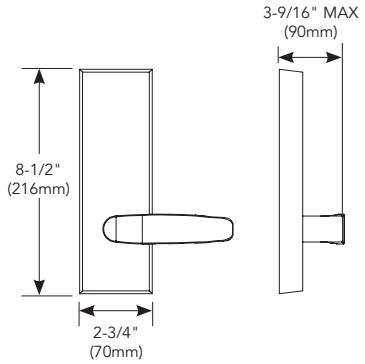
EC Trim, Standard & Coastal Series Levers

EC LEVER CONTROLS

The EC Control mounts on each side of the door. The outside EC Control determines the function of the entire device. The inside EC Control provides a passage function. Easy operating lever handle allows convenient one hand operation. Decorative Coastal Series Levers and Studio Collection levers are available. All levers are brass. For stainless steel levers consult factory.



STANDARD AND COASTAL SERIES LEVERS

A Lever Design

- Lever: A-Solid forged or cast
- Must specify hand when ordering

B Lever Design

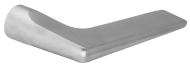
- Lever: B-Solid forged or cast

E Lever Design

- Lever: E-Solid forged or cast

F Lever Design

- Lever: F-Solid forged or cast



J Lever Design

- Lever: J-Solid bar stock

L Lever Design

- Lever: L-Solid forged or cast

P Lever Design

- Lever: P-Solid forged or cast

W Lever Design

- Lever: W-Solid bar stock

COASTAL SERIES™ LEVERS

- Solid cast brass

G - Gulfport™

- Must specify hand when ordering

R - Rockport™

S - Sanibel™

- Must specify hand when ordering

Y - Yarmouth™

- Must specify hand when ordering

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Studio Collection Levers

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Aventura Series

Lever	Design	Handed
MB		–
ME		–
MF		–
MG		–
MI		–
MW*		–
NF		–

Odeon Series

MN		Yes
MH		Yes
MK		Yes
MS		Yes
MU		Yes
MV		Yes
NS*		Yes
NU*		Yes
MX*		Yes

Notting Hill Series

Lever	Design	Handed
MA		Yes
MQ		Yes
MT		Yes
MM		Yes
MY*		Yes

Rialto Series

MO		Yes
MZ*		Yes

Centro Series

MC		–
MD		–
MJ		–
MP		–
ND*		–
NJ*		–

FEATURES

- Levers with curves and contours provide a comfortable grip
- All levers meet ADA compliance for national codes
- All levers – solid brass (for stainless steel consult factory)

* Lever returns within 1/2" (13mm) of door face

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Studio Collection Levers

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Gramercy Series[2]

Lever	Design	Handed
RCM		–
RAL		–
REM		–
RAM		–
RAS		–
RAG		–
RGM		–

Grant Park

Lever	Design	Handed
H007		–
H008		Yes
H009		–
H010		–
H011		–

Wooster Square[3]

H001		–
H002[1]		–
H003		–
H004		–
H005[1]		–
H006[1]		–

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Mechanical & Cylinder Options

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MECHANICAL OPTIONS:

Features	Option	Description
Security Fasteners	**36-**	Six lobe security head screws
Tactile Warning Options	**75-**	Tactile Warning -Milled Inside Lever (Not available with Studio & Coastal Series Levers and the A Lever)
	76-	Tactile Warning -Milled Outside Lever (Not available with Studio & Coastal Series Levers and the A Lever)
	77-	Tactile Warning -Milled Inside & Outside Lever (Not available with Studio & Coastal Series Levers and the A Lever)
	85-	Tactile Warning -Abrasive Coating on Inside Lever
	86-	Tactile Warning -Abrasive Coating on Outside Lever
	87-	Tactile Warning -Abrasive Coating on Outside Lever & Inside Lever
Finish Protection	**CPC-**	Clear Powder Coat (Available for 26 & 26D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15 and 26D finishes)

CYLINDER OPTIONS:

Cylinder Type	Option	Description
Conventional Cylinder	**Std**	SARGENT Conventional Cylinders
Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (Bump and pick resistant)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG1-78-	Degree Level 1 Exposed Plug (For use with LE3/LE4 escutcheons only)
	DG2-	SARGENT Degree Key System Level 2 (Geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG2-78-	Degree Level 2 Exposed Plug (For use with LE3/LE4 escutcheons only)
	DG3-	SARGENT Degree Key System Level 3 (Geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
	DG3-78-	Degree Level 3 Exposed Plug (For use with LE3/LE4 escutcheons only)
Signature Key System	**10-**	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature: Large Format Interchangeable Core (Removable Core)	**10-63-**	SARGENT Signature LFIC (Removable Core) Cylinder
XC- Key System	**11-**	XC Key System (Not Available with other Key Systems, Unless specified)
	11-21-	XC- Construction Key System (Lost Ball)

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Cylinder Options

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CYLINDER OPTIONS:

Cylinder Type	Option	Description
XC- Large Format Interchangeable Core + (Removable Core)	**11-60-**	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core- provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XCLFIC (Removable) Permanent Core (ordered Separately)
XC- Small Format Interchangeable Cores +	**11-70-7P-**	Hardware to accept XC- SFIC (7 Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-	Hardware to accept XC- SFIC (7-pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose)
Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63-, 73-, 82-, SC- & SE-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems) (N/A with 10-, 11-, 63-, 73-, 82-, SC- & SE-)
Old Style Removable Core	**51-**	Removable Core Cylinder (Old Style) provided (Existing systems only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (existing systems only)
Large Format Interchangeable Core (Removable Core)	**60-**	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable Plastic Core provided (Permanent Cores ordered separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) (Permanent Core ordered separately)
Small Format Interchangeable Cores	**70-**	Hardware to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-	Hardware to accept 6- or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)
	73-	Hardware supplied with 6-Pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (Packed loose for field keying)
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (Packed loose for field keying)
	73-7P-	Hardware supplied with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying)
Keso F1- & Keso	**81-**	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores ordered separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Permanent Cores ordered separately)
Bump Resistant	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	**LC-**	Less Cylinder
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted
	SE-	Schlage E keyway cylinder, 0 bitted

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How to Order & Finishes

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HOW TO ORDER

11-	FM71	13	EC	MJ	RH	26D	**96"
Options	**Series**	***Function Designation**	**Escutcheon**	**Lever**	**Hand**	**Finish**	**Opening Height**
Page 10 & 11	FM71 CN71	13 15 01	EC Control Standard	Pages 7-9	RH LH RHR LHR	Page 12	

Note: Certified & labeled for US markets and CN7100 is certified & labeled for Canadian Markets. The products are identical products except for the labeling

Note: For 1-3/4" thick doors only

* Function designation is determined by function of outside trim
** Available in two height ranges 5'6" – 6'7" and 6'8" – 8'0"; SARGENT will supply the correct range based on opening height specified

FINISHES

SARGENT	Description	BHMA
03	Bright brass, clear coated	605
04	Satin brass, clear coated	606
09	Bright bronze, clear coated	611
10	Satin bronze, clear coated	612
10B	Dark oxidized satin bronze, oil rubbed	613
10BE	Dark oxidized satin bronze equivalent	613E
10BL	Dark oxidized satin bronze, clear coated	614
14	Bright Nickel, clear coated	618
15	Satin Nickel, clear coated	619
20D	Statuary bronze dark powder coated	624
26	Bright chromium plated	625
26D	Satin chromium plated	626

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Architectural Specification

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FM7100 SERIES FORTIFIED MULTI-POINT LOCK

Three-Point, auto deadbolt locking devices are engineered for use on inswing and outswing door applications at windstorm safe shelter room locations. Concealed, fortified steel construction secures the door to the frame at top, bottom and center latching positions. All three latching points shall be automatically activated when the device is closed and retracted with one single motion upon exiting.

1. The Three-Point locking system device is part of an integrated door, frame and hardware assembly UL-approved to FEMA P-320 (2014), FEMA P-361 (2015) and ICC 500 (2014) guidelines for both inswing and outswing doors.
2. Units shall be manufactured in compliance with NFPA 80 and NFPA 101 life-safety requirements and approved for usage on up to 3-hour, UL 10b or 10c fire rated openings.
3. Latchbolt Construction:
   a. Mortised Centerbolt: Single piece, 13 gauge chrome plated steel lockcase with 3/16" thick stainless steel front. Stainless steel, 1" throw deadbolt. 2-3/4" backset standard with 1/4" stainless steel centerbolt strike.
   b. Top Latch: Through-hardened steel latchbolt with 7/8" projection, 1/8" steel latchbolt front, and 5/8" stainless steel latch housing secured with 1/4-20 Holo-Krome® fasteners.
   c. Bottom Bolt: 3/4" diameter steel nylon coated bolt with 3/4" projection and 1/8" steel reinforcement plate. Brass strike housing secured with1/4-20 Holo-Krome fasteners.
4. Provide devices with heavy-duty, brass escutcheon trim and solid cast levers matching the design style and architectural finishes as the balance of the lockset and latches specified.

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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SARGENT
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PRODUCT CATALOG

6500 Series Cylindrical Lever Lock

Experience a safer
and more open world

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SARGENT
ASSA ABLOY

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WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

On The Cover

65G05 x KL Entrance Function

Overview

Designed for increased usability, the 6500 Line standard duty key-in-lever lock exceeds ANSI/BHMA Grade 2 standards. It installs easily and is available in eight functions and six different finishes to match existing facility aesthetics.

Specifications

For Doors	1-3/8" (35mm) to 1-3/4" (44mm) only
Backset	2-3/4" (70mm) standard 2-3/8" (60mm) optional (specify 20- option)
Cylindrical Housing	Steel zinc dichromate finish
Front	Wrought brass and stainless steel 2-1/4" (57mm) x 1-1/8" (29mm)
Strike	Wrought brass or stainless steel 808 curved lip ANSI strike (standard) 800 curved lip strike - (specify 29- Option) 505 full lip strike (specify 14- Option)
Hand	Universal, non-handed
Latch	Brass 1/2" (13mm) throw
Keys	Two, nickel silver
Cylinder	Brass, 6- pin, LA keyway standard
Finishes	03, 04, 10BE, 26, 26D, BSP
Door Prep	ANSI/SDI A250.14
Minimum Stile	4-1/2" (114mm)

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Certifications

CERTIFICATION COMPLIANCE

ANSI/BHMA	Certified ANSI/BHMA A156.2 (2017) Series 4000 — Grade 2
UL/cUL	UL/cUL Certified to UL10C/ULC-S104 for 3 Hour Doors
NFPA 80	Conforms for life safety and property protection, Standard for Fire Doors and Other Opening Protectives
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
ADA	All levers conform to ADA clear opening width requirements of ANSI A117.1
California State Reference Code (Formerly Title 19, California State Fire Marshal Standard)	All levers with returns comply; levers return to within 1/2" (13mm) of door face
Windstorm/Hurricane	All individual components of a total door opening are required to comply with each code.

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

WINDSTORM CERTIFICATIONS: FLORIDA BUILDING CODES & UL LISTINGS

SARGENT Manufacturing's products meet building codes that require hurricane and windstorm certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 6500 Series lock.

Florida Building Code: FL2998

UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI A250.13 (2014)	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ASTM E330 (2002)	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"*
ASTM E1886 (2005)	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"*
ASTM E1996 (2009)	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"*
(TAS) 201 (1994)	"Impact Test Procedures"*
(TAS) 202 (1994)	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"*
(TAS) 203 (1994)	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the 7th Edition (2020), "Florida Building Code" (FBC), State Product Approval Number FL2998

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330 (2002)	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ASTM E1886 (2005)	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996 (2009)	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"

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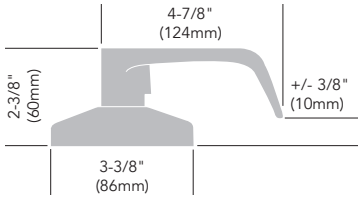
Lever & Rose Designs

STANDARD LEVER/ROSE

KL Design

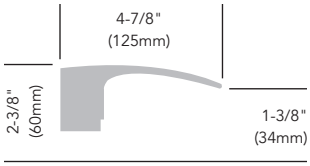
- Rose: K — Wrought
- Lever: L — Solid Cast



SPECIAL ORDER

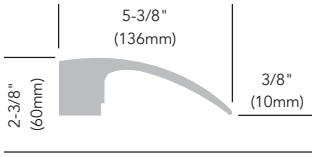
B Lever Design

- Lever: B — Solid Cast



P Lever Design

- Lever: P — Solid Cast



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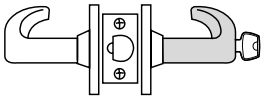
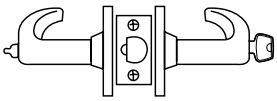
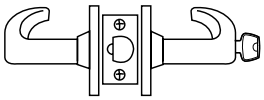
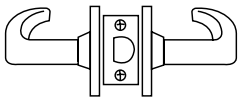
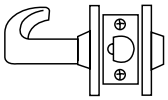
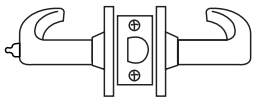
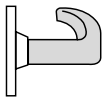
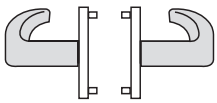
Functions

SINGLE CYLINDER FUNCTIONS

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	65G04	Storeroom or Closet	F86	• Deadlocking latch • Latch by lever inside or key outside • Outside lever rigid at all times
	65G05	Entrance or Office	F109	• Deadlocking latch • Latch by either lever unless outside lever is locked by push/turn button in inside lever • Push button released by key outside or lever inside • Turn button must be released manually • Key retracts latch when outside lever is locked
	65G37	Classroom	F84	• Deadlocking latch • Latch by either lever unless outside lever is locked by key • Key in outside lever locks or unlocks outside lever • Inside lever always operative

NON-CYLINDER FUNCTIONS

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	65U15	Passage	F75	• Latch by either lever
	65G15-3	Exit or Communicating (Special Order)	—	• Deadlocking latch • Blank rose outside • Latch by lever inside • Minimum clearance of 1-1/2" (38mm) between double doors
	65U65	Privacy/Bathroom	F76A	• Latch by either lever unless outside lever is locked by push button in inside lever • Turning inside lever or closing door releases button • Emergency button in outside lever unlocks, with use of a blade screwdriver outside lever and releases inside button • Bathroom key (P/N 6267EMK) supplied only when ordered separately
	65U93	Single Lever Pull	—	• For wood or custom hollow metal doors • Lever and rose attached by three surface applied screws
	65U94	Double Lever Pull	—	• For wood or custom hollow metal doors • Lever and rose both sides through-bolted and three surface applied screws each side

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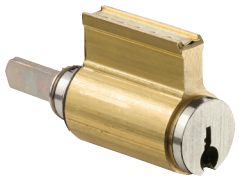
Cylinders

CYLINDERS

• Finishes: 04, 15, BSP

			Interchangeable Core^	
Type	**Pins**	**Standard Cylinder**	**Large Format**	**Small Format**
Conventional	6	C10-1	6300	7300B
	7	N/A	N/A	7P-7300B
Signature	6	10-C10-1	10-6300	N/A
XC	6	11-C10-1	11-6300	N/A
	7	N/A	N/A	11-7P-7300B
Degree® DG1	6	DG1-C10-1	DG1-6300	N/A
Degree® DG2	6	DG2-C10-1	DG2-6300	N/A
Degree® DG3	6	DG3-C10-1	DG3-6300	N/A



C10-1

6300

7P-7300B

All cylinders are supplied with 2 nickel silver change keys.
When cylinders are ordered keyed to 5 pin systems, the (6th) last chamber will be empty.

Cylinders are supplied 1-bitted unless specified keyed random or master keyed. For master keyed orders provide keying details as requested on SARGENT Keyed Order Lead Sheets, located in the price book or contact customer service.

To order cylinders separately, specify part number x keyway x finish (i.e. C10-1 x LA x 15)

^Locks will be provided with the applicable tailpiece per the type interchangeable and/or removable core being used.

For example standard cores and XC cores require different tailpieces. When ordering complete locks, the appropriate option code must be specified in accordance to the permanent core being used.

Cylinders with Competitive Keyways

Competitive Keyway	Part Number
Schlage® C	SC-C10-1
Schlage® E	SE-C10-1

These cylinders are 6-pin, 0-bitted and supplied with two brass key blanks. Cylinders include tail piece.
Finishes: 04 or 15

Refer to Cylinders and Components catalog for more information.

Interchangeable Core Tailpieces (replacement parts)

Used with:	Type	P/N
6300 10-6300	LFIC Conventional LFIC Signature	10-0239
11-6300 DGX-6300	LFIC XC LFIC Degree®	10-3429
7300B	SFIC 6Pin	10-0239
7P-7300B	SFIC 7 Pin	10-0240
11-7P-7300B	SFIC XC	10-3138

Note: Tailpieces included with lock.

See pages 10-11 for cylinder options when ordered with locks.

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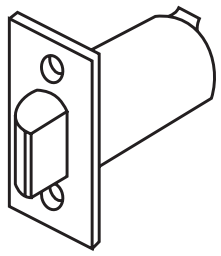
Latches

LATCHES

- Finishes: 03, 04, 10BE, 32D, BSP

Plain/Unguarded Latch - 65U15, 65U65:

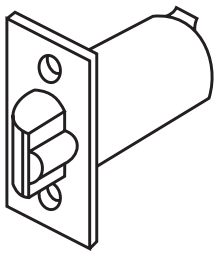
Part No.	Front	Front Width	Backset	Throw
05-2185	Square Corner	1" (25mm)	2-3/8" (60mm)	1/2" (13mm)
05-2183	Square Corner	1-1/8" (29mm)	2-3/4" (70mm)	1/2" (13mm)



Plain/Unguarded

Deadlocking/Guarded Latch - All Other Functions:

Part No.	Front	Front Width	Backset	Throw
05-2184	Square Corner	1" (25mm)	2-3/8" (60mm)	1/2" (13mm)
05-2182	Square Corner	1-1/8" (29mm)	2-3/4" (70mm)	1/2" (13mm)



Deadlocking/Guarded

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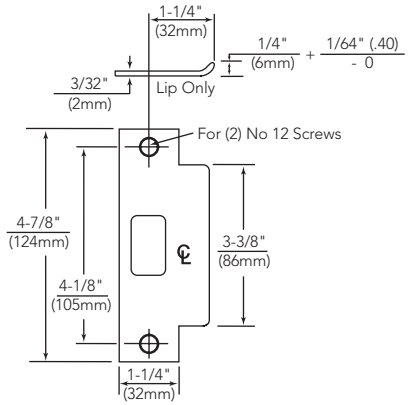
Strikes

STRIKES

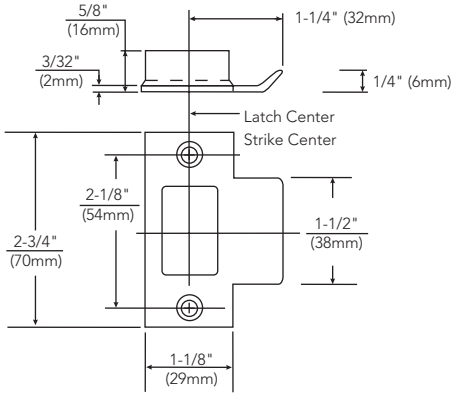
- Finishes: 03, 04, 10BE, 32D, BSP

4-7/8" Curved Lip Strike: Standard*
- Brass, bronze or stainless steel
- Conforms to ANSI standard
- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- Lip lengths: 7/8" (22mm), 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-5/8" (42mm), 1-7/8" (48mm), 2-1/8" (54mm), 2-3/8" (60mm), 2-5/8" (66mm), 2-7/8" (73mm) and 3" (76mm)
- 77-1141 Wrought strike box available separately
- To order strike separately, specify 808 strike x finish x lip length

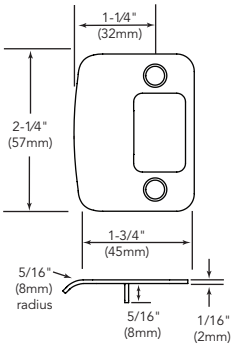
*This strike provided standard with all locks effective May 15, 2025. Option 28- no longer required. If 2-3/4" curved lip strike needed, specify 29- option.



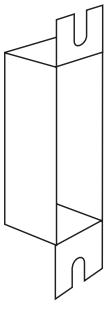
2-3/4" Curved Lip Strike (29- Option)
- Brass, bronze or stainless steel
- Furnished standard with 1-1/4" (32mm) curved lip from center of strike screw holes to end of lip
- Lip lengths 1" (25mm), 1-1/4" (32mm) standard, 1-1/2" (38mm), 1-3/4" (44mm) and 2" (51mm)
- Plastic strike box AM-0044 included
- To order strike separately, specify 800 strike x finish x lip length



2-1/4" Full Lip Strike (14- Option)
- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- No other lip lengths available
- To order strike separately, specify: 505 strike x finish



ANSI Wrought Strike Box
- Used with ANSI 4-7/8" strike (#808)
- Available separately, specify 77-1141



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Options

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Mechanical Options

Strike	14-	Full Lip strike # 505
	29-	Strike #800 Lip length 1-1/4" Lip lengths 1" to 2" in 1/4" increments only
Backset Options	20-	2-3/8" Backset
Tactile Warning Options	85-	Tactile Warning - abrasive coating finish on inside lever
	86-	Tactile Warning - abrasive coating finish on outside lever
	87-	Tactile Warning - abrasive coating finish on both levers

Cylinder Options

Conventional Cylinder	—	Standard
Degree Key System	DG1-	Sargent Degree Key System Level 1 (bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombinated Fixed Core Component Cylinder (packed loose for field keying)
	DG1-63-65-	Degree Level 1 Unassembled/Uncombinated Removable Core LFIC (packed loose for field keying)
	DG2-	Sargent Degree Key System Level 2 (geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombinated Fixed Core Component Cylinder (packed loose for field keying)
	DG2-63-65-	Degree Level 2 Unassembled/Uncombinated Removable Core LFIC (packed loose for field keying)
	DG3-	Sargent Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
Signature Key System	10-**	SARGENT Signature Key System
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature: Large Format Interchangeable Core (Removable Core)	10-63-	SARGENT Signature LFIC (Removable Core) Cylinder
XC- Key System	11-	XC Key System (not available with other Key Systems, unless specified)
	11-21-	XC- Construction Key System (Lost Ball)

Note: When tying into existing key systems contact Key Records for compatibility
** Available to match existing key systems, not recommended for Grade 2 applications

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Options

Cylinder Options (continued)

XC- Large Format Interchangeable Core (Removable Core)	11-60-	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic core provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder – (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)
XC- Small Format Interchangeable Cores	11-70-7P	11-70-7P Hardware to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core — (Packed Loose)
Construction Key Systems	21-	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
Large Format Interchangeable Core (Removable Core)	60-	Hardware to accept SARGENT Permanent LFIC (Removable Core), disposable plastic core provided (Permanent Cores Ordered Separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder — (includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (removable) Permanent Core (ordered separately)
Small Format Interchangeable Cores	70-	Hardware to accept 6 or 7-Pin SFIC permanent cores, plastic disposable core provided
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (permanent core ordered separately)
	73-	Hardware supplied with 6-Pin SFIC (includes masterkeying, grand masterkeying)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (permanent) core — (packed loose for field keying)
	65-73-7P	Hardware provided to accept Uncombinated 7-Pin SFIC (permanent) core — (packed loose for field keying)
	73-7P	Hardware supplied with Small Format 7-Pin Interchangeable Core (includes masterkeying, grand masterkeying)
Bump Resistant	BR-	Bump Resistant Cylinder (available with Conventional & Conventional XC Cylinders only)
Keyed Different	KD-	Cylinders provided keyed differently/random
Less Cylinder	LC-	Lock supplied less Cylinder
Schlage Keyways	SC-	Schlage C keyway cylinder, 0 bitted
	SE-	Schlage E keyway cylinder, 0 bitted

Note: When tying into existing key systems contact Key Records for compatibility

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Finishes/How to Order

SARGENT #	Descriptions	ANSI/BHMA
03	Polished brass, clear coated	605
04	Satin brass, clear coated	606
10BE	Dark Oxidized Satin Bronze - equivalent	613E
26	Polished chrome	625
26D	Satin chrome	626
BSP	Black suede powder coat	BSP

Zinc levers are plated to match ANSI/BHMA finish.
Split finishes available on all functions:
– Specify outside first i.e. 65G05 x KL x 26D x 03 x RH
– Handing must be specified
– Strike and latch front will match the following:
RH & LH = inside finish
RHR & LHR = outside finish

Lock Finish	Cylinder/Core*
03, 04, 10BE	04
26, 26D	15
BSP	BSP

*Finish when cylinder provided with lock. 15 finish provided for cylinders/cores where BSP not available, see cylinder page 7 for finish availability.

HOW TO ORDER

29	65	G05	K	L	26D
Options	**Line**	**Functions**	**Rose**	**Lever**	**Finish**
Pages 10-11		G04			03
		G05			04
		U15			10BE
		G37			26
		U65			26D
		U65			BSP
		U94			

Special Order
The B & P Levers, the 15-3 function and split finishes are available as special orders, please contact SARGENT for details.

Packaging

65G05 KL	4 lbs.	1/box
65G05 KL	41 lbs.	10 boxes/case

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Notes

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

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

SARGENT®

ASSA ABLOY

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100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90111 09/25

SARGENT®
ASSA ABLOY

PRODUCT CATALOG

7900 Series Mortise Lock

Experience a safer
and more open world

Specifications

SARGENT
ASSA ABLOY

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CERTIFICATION COMPLIANCE

ANSI/BHMA	Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 BHMA CERTIFIED
ADA	Meets A117.1 Accessibility Code. Meets BOMA International 4.13.8
UL	UL and cUL Listed to US and Canadian safety standards for A label (3 hour fire door) and lesser class doors, stamped letter F and UL symbol on armored front indicate listing
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
California Lever Code	California State Reference Code (Formerly Title 19, California State Fire 1/2" (13mm) of door face

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

MICROSHIELD®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

MICROSHIELD® COATING

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

agion Nature's antimicrobial The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

On The Cover

7943 x OBL x 26D

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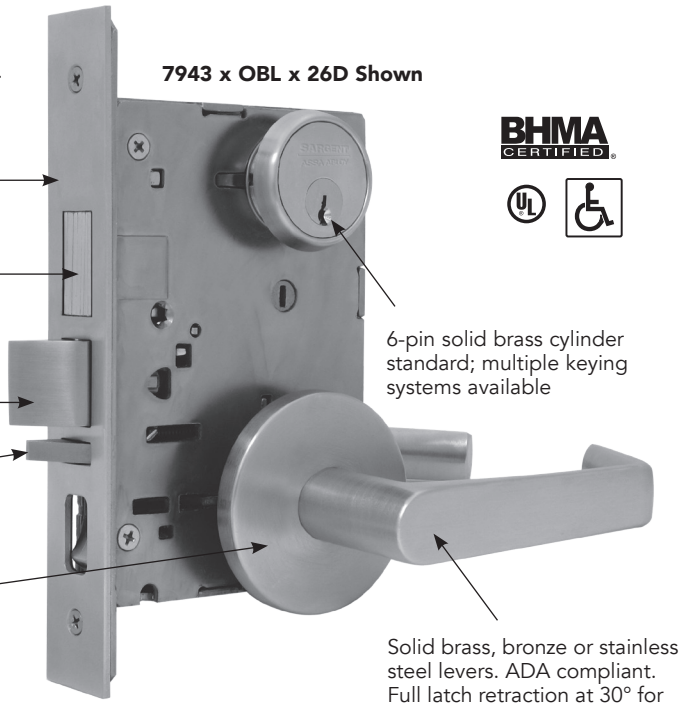
Features

The SARGENT 7900 Series Mortise Locks provide a quality Grade 1 lock ideal for schools, apartment housing and commercial buildings.



FEATURES

Durability
- Certified to ANSI/BHMA A156.13, Series 1000, Operational Grade 1 with all trim designs
- Heavy duty spring provides long life and reduces lever sag
- 3/4" Projection stainless steel latchbolt. One piece construction
- Steel deadbolt assembly with 13 gauge hardened steel insert, 1" (25mm) projection
- 5 year limited warranty, 2 year limited warranty on electrified locks. Limited to replacement of lock components

Flexibility
- Lock is easily re-handed by rotating the locking piece. Latchbolt is changed by removing the outside front and rotating the latchbolt 180°
- 16 Standard architectural grade finishes, including US14 Polished Nickel & US15 Satin Nickel
- 21 functions, including 4 electrical functions
- Available for door thicknesses 1-3/8" (35mm), 1-3/4" (44mm), 2" (50mm) and 2-1/4" (57mm)
- UL Listed 10C for use on single fire doors up to 4' x 10' and double doors up to 8' x 8'

Innovations
- Latchbolt retracts with only 30° of lever rotation
- Internal lever spring offers a sleek appearance, simplifies installation and reduces external components
- Motorized locking mechanisms for remote convenience to lock and unlock the 7900 Series Mortise lock featuring ElectroLynx® quick connectors

Security
- Torx® and spanner screws available as an option
- Can be master keyed or grand masterkeyed. Construction key available

Note: Key systems are compatible with a majority of other SARGENT products

SPECIFICATIONS

Backset	2-3/4" (70mm) only
Case	Wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")
Outside Front Plate	Wrought 8" (203mm) x 1-1/4" (31mm), self adjusting beveled
Auxiliary Deadlatch	Stainless steel, non-handed
Strike	Wrought; ANSI/BHMA Standard; curved lip, non-handed (strike box optional)
Keys	Two, nickel silver keys, LA is the standard keyway. (control key or emergency key must be ordered when required)
Cylinder	Brass, size #41 (1-1/8" standard)
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available
Door Prep	ANSI/SDI A250.14 modified (see template 4589 for 7900 lockbody & trim template varies by design)

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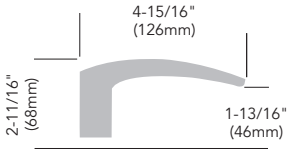
Standard Lever, Knob, Rose and Escutcheon Designs

The 7900 lever, knob, rose and escutcheon designs are available in all 16 architectural hardware finishes.

- All levers meet ADA national code requirements
- Lever designs BJ, BL and BP have lever returns within 1/2" (13mm) of door face
- Levers BB, BL, BJ & BP are only available with the O rose and the LW1 & the WT escutcheons.
- B knob is only available with the O rose and the KW1 & the WT escutcheons.

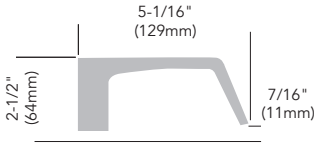
BB Lever Design

- BB Lever with O Rose
- Lever: Solid forged or cast
- Rose: Heavy wrought



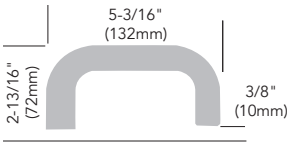
BL Lever Design

- BL Lever with O Rose
- Lever: Solid forged or cast
- Rose: Heavy wrought



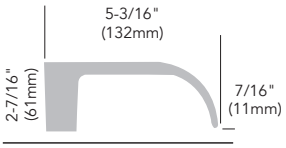
BJ Lever Design

- BJ Lever with O Rose
- Lever: Solid forged or cast
- Rose: Heavy wrought



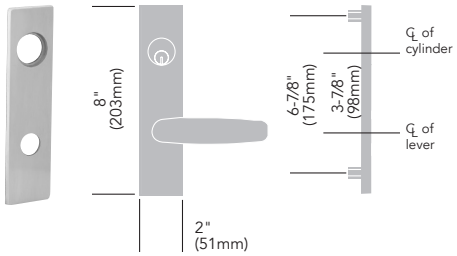
BP Lever Design

- BP Lever with O Rose
- Lever: Solid forged or cast
- Rose: Heavy wrought



LW1/KW1 Escutcheon Design

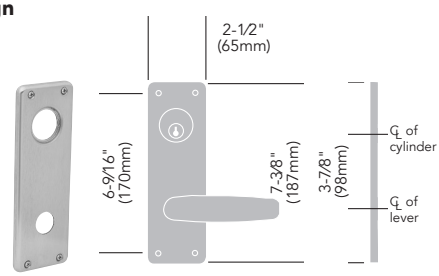
- Escutcheon: LW1/KW1-Wrought
- (2) Exposed screws inside
- KW1 is used with the B Knob
- LW1 is used with lever designs



(Shown with L Lever)

WT Escutcheon Design

- Escutcheon: WT-Heavy wrought
- Surface mounted both inside and outside
- (4) Exposed screws both inside and outside

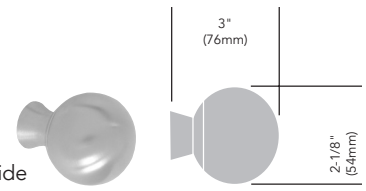


(Shown with L Lever)

B Knob Design

- Knob: B heavy wrought
- 67- Option Knob both inside & outside
- 68- Option Lever outside/knob inside
- 69- Option Knob outside/lever inside

Note: Knob rotates in only one direction - toward hinge

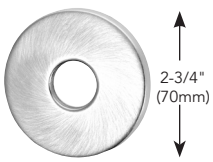


Note: All lever height (+/- 1/16") measurements represent total distance from door face.

STANDARD ROSE

Note: The TO, CO, TR, CR, LN, E2, E3 and E4 roses are only available with the Studio Levers, the O rose is available for both standard and Studio

O Rose



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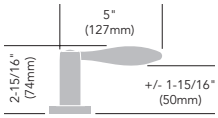
Standard Lever, Knob, Rose and Escutcheon Designs

COASTAL SERIES

- All levers meet ADA compliance for national codes
- Not available with CO and TO roses
- Levers are solid cast brass
- Finishes available – 03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, BSP, WSP
- All lever height (+/- 1/16") measurements represent total distance from door face

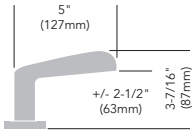
G - Gulfport™*

- Handed

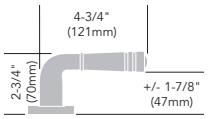


S - Sanibel™*

- Handed

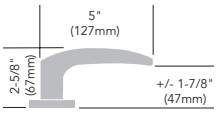


R - Rockport™*



Y - Yarmouth™*

- Handed

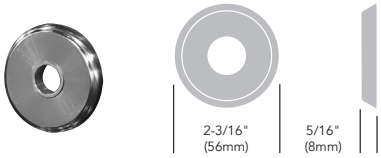


*Only available with CE, CR, TE, & TR roses

COASTAL SERIES ROSES & ESCUTCHEONS

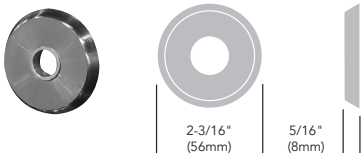
TR Traditional Rose

- Dual radii edge



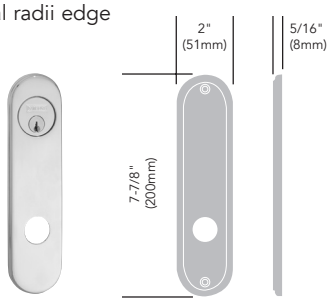
CR Contemporary Rose

- Beveled edge



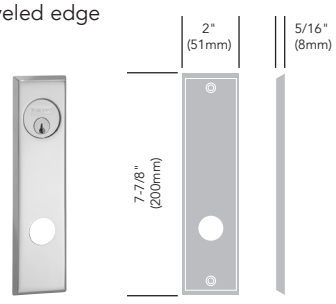
TE Traditional Escutcheon

- Dual radii edge



CE Contemporary Escutcheon

- Beveled edge



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Studio Collection Levers

SARGENT
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Studio Collection trim is available in a broad array of designs and finishes. It allows for uniformity throughout a facility using the 8200, R8200 and 7900 Series Mortise Locks, Access Control Products, 80 Series Exit Devices, and DL Series Tubular Locks.

All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.

Centro Series

MD

MJ

MP[2]

ND[1]

NJ[1]

Notting Hill Series

MA[2]

MO[2]

MQ[2]
(Handled)

MT[2]
(Handled)

MZ[1,2]
(Handled)

GT

Aventura Series

MB

ME

MF

NF

MG

MI

MW[1]

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1 Lever returns within 1/2" (13mm) of door face
2 Not available in 32D or 32 finish

Studio Collection Levers

SARGENT
ASSA ABLOY

Odéon Series
(Handed Levers)

MN[4]

MH[4]

MS[4]

MU[4]

MV[4]

NU[1,4]

WG

Gramercy Series[2]

RCM

RAL

REM

RAM

RAS

RAG

RGM

Wooster Square[3]

H001

H002[1]

H003

H004

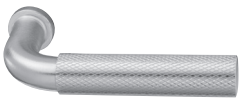
H005[1]

H006[1]

Berlin Series

H015

H016[1]


H017

H018

Grant Park
(H008 is handed)

H007

H008

H011

1 Lever returns within 1/2" (13mm) of door face
2 Gramercy levers are customized. See page 10 for ordering information
3 H003-H006 - Contain white or black polycarbonate inserts. Not available with MicroShield® antimicrobial coating.
4 Not available in 32D or 32 finish

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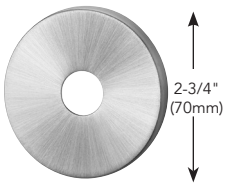
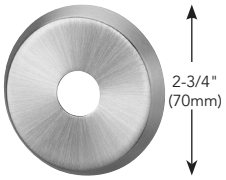
Studio Collection Trim

ROSES

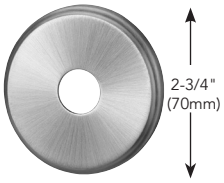
O Rose



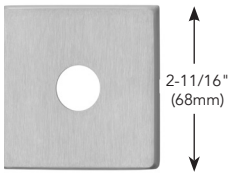
CO Rose



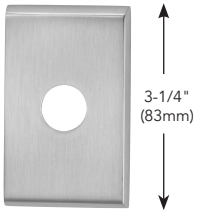
TO Rose



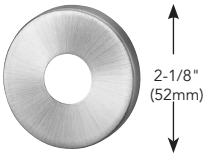
E2 Rose[1]



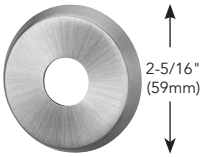
E4 Rose[1]



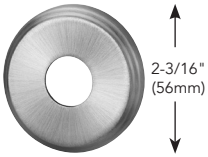
LN Rose



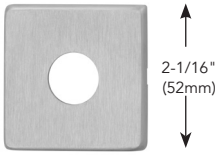
CR Rose



TR Rose



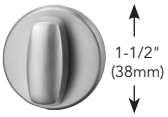
E3 Rose[1]



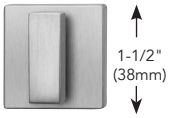
THUMBTURNS

Thumbturn backplate will match rose design chosen. See page 9 for more information.

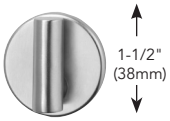
T1 Turn



T2 Turn

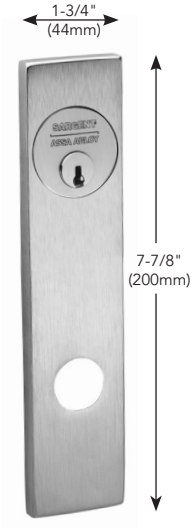


T3 Turn



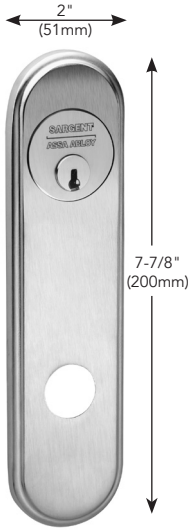
ESCUTCHEONS

LE1 Escutcheon



CE Escutcheon

TE Escutcheon



1 KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.

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Thumbturn Designs

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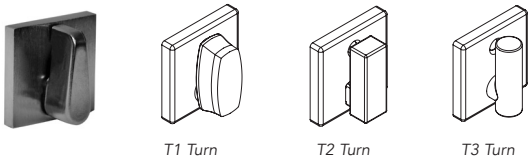
130W Round Backplate
(Shown with Standard Turn)

- Round backplate supplied standard with O and LN roses
- Standard turn automatically supplied with sectional trim for 7900 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- Meets ADA Requirements

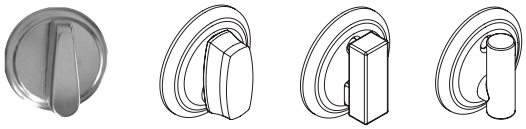
130KA Square Backplate
(Shown with Standard Turn)



T1 Turn *T2 Turn* *T3 Turn*

- Square backplate supplied standard with E2, E3 and E4 roses
- Standard turn automatically supplied with sectional trim for 7900 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- Meets ADA Requirements

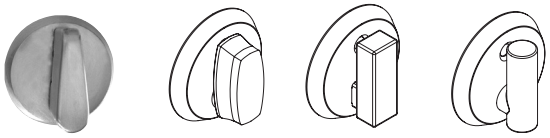
130KT Traditional Backplate
(Shown with Standard Turn)



T1 Turn *T2 Turn* *T3 Turn*

- Dual radii edge backplate supplied standard with TO and TR roses
- Standard turn automatically supplied with sectional trim for 7900 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass, bronze or stainless steel plate
- Meets ADA Requirements

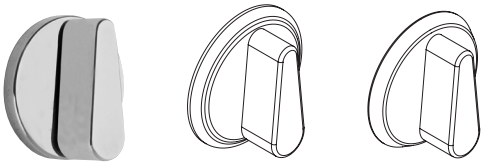
130KC Contemporary Backplate
(Shown with Standard Turn)



T1 Turn *T2 Turn* *T3 Turn*

- Beveled edge backplate supplied standard with CO and CR roses
- Standard turn automatically supplied with sectional trim for 7900 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass, bronze or stainless steel plate
- Meets ADA Requirements

130LB Large Round Backplate
(Shown with Large ADA Turn)



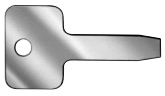
130LT *130LC*

- Available with 7900 with sectional trim
- 40% larger than standard thumbturn
- Specify LB as an option for ADA turn
- 2" (51mm) round brass, bronze, or stainless steel plate & turn
- 130LT - Traditional backplate, 130LC - Contemporary backplate
- Meets ADA Requirements

184W Emergency Release

- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- Unlocks 65 & 66 functions by emergency key (14-0057), coin or flat blade screw driver - **Studio Collection Emergency Release**
- 184KC Emergency Release Contemporary
- 184KT Emergency Release - Traditional

Emergency Key 14-0057



- Carbon steel
- For bathroom/privacy function only
- Must be ordered separately

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How to Order Gramercy Series Levers

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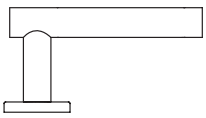
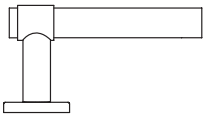
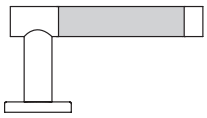
GRAMERCY SERIES LEVERS



REM, RGM



RCM



RAG, RAL, RAM, RAS

GRAMERCY FINISH CODES

ANSI/BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

GRAMERCY LEVER DESCRIPTIONS & AVAILABLE FINISHES

Lever Designation	Lever Description	Available Finishes (As Ordered)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK, 30BN, 29BK, 29BN, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Satin Metal Insert	2930** only (SEE NOTATION)
RAS	Santoprene Insert	30BK, 29BK, 3E3E, BSBS or WSWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2929, 3030, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

**Notes for two-tone finishes:
- 2930 Finish: grip of lever is 32D, balance of lever is 32. Escutcheon and lock finish will be 14.
- 3029 Finish: grip of lever is 32, balance of lever is 32D. Escutcheon and lock finish will be 15.

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the ANSI/BHMA standard finish code, i.e. use “29” for polished stainless, ANSI/BHMA finish 629.

HOW TO ORDER 7900 MORTISE LOCKS WITH GRAMERCY SERIES LEVERS

Options	Series	Function	Voltage	Rose/ Escutcheon	Lever	Finish	Hand
Select from Pages 19-21	79	Select from Pages 11-13	Specified for Electrical Functions	Select from Page 8	Leather insert	Bright stainless steel with brown leather	RHR, RH, LHR or LH
10-	79	71	12VDC	LN	RAL	29BN29	RH

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Function Designations and Descriptions

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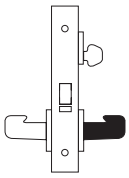
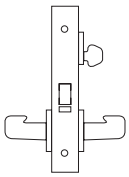
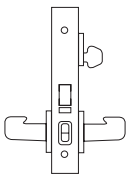
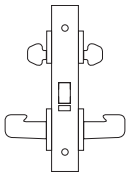
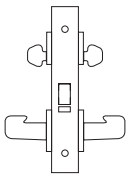
SINGLE CYLINDER WITHOUT DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	7904	Storeroom or Closet	F07	• Key outside retracts latchbolt • Lever/Knob outside rigid at all times • Lever/Knob inside retracts latchbolt • Auxiliary deadlatch
	7937	Classroom	F05	• Key outside locks & unlocks lever/knob outside • Key outside retracts latchbolt • Lever/Knob inside always retracts latchbolt • Auxiliary deadlatch
	7955	Office or Entry	—	• Key outside retracts latchbolt • Lever/Knob inside retracts latchbolt • Lever/Knob outside is locked & unlocked with toggle only • Auxiliary deadlatch

DOUBLE CYLINDER WITHOUT DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	7916	Apartment, Exit or Public Restroom	F09	• Key outside retracts latchbolt • Key inside locks & unlocks lever/knob outside • Lever/Knob inside always retracts latchbolt • Auxiliary deadlatch • Special cam Suffix -105 required for inside cylinder (Supplied Standard)
	7938	Classroom Security Intruder Latchbolt	F32	• Key from either side locks & unlocks lever/knob outside • Key from either side retracts latchbolt • Lever/Knob inside always retracts latchbolt • Auxiliary deadlatch

If shaded, knob or lever rigid at all times

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Function Designations and Descriptions

SARGENT
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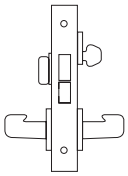
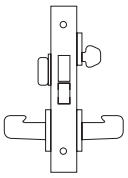
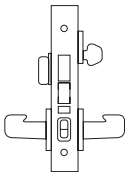
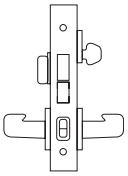
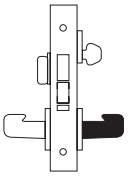
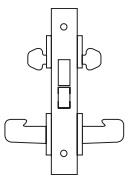
SINGLE CYLINDER WITH DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	7924	Storeroom Door	F21	• Key outside or thumb turn inside retracts and projects deadbolt • Lever/Knob either side retracts latchbolt • Latchbolt and deadbolt are independent of each other **CAUTION:** Not recommended for use on any door used for Life Safety egress
	7925	Dormitory or Exit	F13	• Key outside or thumb turn inside retracts and projects deadbolt • Lever/Knob from either side retracts latchbolt, when the deadbolt is in the retracted position • Lever/Knob outside is locked, when the deadbolt is projected • When deadbolt is projected, lever/knob inside retracts latchbolt and deadbolt simultaneously, unlocking outside lever/knob
	7943	Apartment Corridor Door	F20	• Key outside or thumb turn inside retracts and projects deadbolt • Key outside retracts both latchbolt and deadbolt, lever/knob outside remains locked • Lever/Knob outside is locked by toggle or projecting deadbolt • Lever/Knob outside is unlocked by toggle only • Lever/Knob inside (when deadbolt is projected) retracts latchbolt and deadbolt simultaneously, and lever/knob outside remains locked • Auxiliary deadlatch
	7945	Dormitory or Exit	F12	• Key outside or thumb turn inside retracts and projects deadbolt • Key outside retracts both latchbolt and deadbolt, lever/knob outside remains locked • Lever/Knob outside is locked by toggle or projecting deadbolt • Lever/Knob inside (when deadbolt is projected) retracts latchbolt and deadbolt simultaneously, and lever/knob outside remains locked
	7950	Hotel Guest	F15	• Hotel Cylinder Required (50 Function Cylinder) with two types of Keys (Standard & Emergency) • Standard Key outside retracts latchbolt only, will not retract or project deadbolt • Emergency Key outside will retract latchbolt and deadbolt and also project deadbolt • Thumb turn inside retracts and projects deadbolt • Lever/Knob inside retracts both latchbolt and deadbolt simultaneously • Lever/Knob outside is always rigid • Auxiliary deadlatch • Not available with certain key systems (see Option chart in this catalog for restrictions)

DOUBLE CYLINDER WITH DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	7926	Store Door	F14	• Key from either side retracts and projects deadbolt • Lever/Knob from either side retracts latchbolt • Latchbolt and deadbolt are independent of each other **CAUTION:** Not recommended for use on any door used for Life Safety egress

If shaded, knob or lever rigid at all times

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Function Designations and Descriptions

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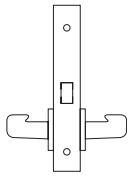
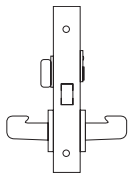
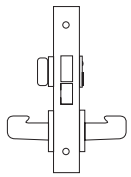
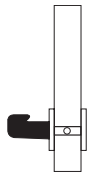
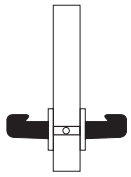
NON-KEYED

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	7915	Passage or Closet	F01	• Lever/Knob from either side retracts latchbolt at all times
	7965	Privacy Bedroom or Bath	F22	• Lever/Knob outside retracts latchbolt except when locked by thumb turn inside • Lever/Knob inside retracts latchbolt and unlocks outside lever/ knob • Emergency Release unlocks outside lever/knob with coin or flat blade screwdriver • Thumb turn inside, locks and unlocks outside lever • Closing the door will unlock lever/knob outside
	7966	Privacy Bedroom or Bath	F19	• Lever/Knob outside retracts latchbolt except when deadbolt is projected • Lever/Knob inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside lever/knob • Emergency Release retracts and projects deadbolt by coin or flat blade screw driver • Thumb turn retracts and projects deadbolt
	7993	Single Trim Dummy	—	• Lever/Knob on inside of door is always rigid • Lever/Knob only inside used as door pull • Through bolted NOTE: Different door prep required, see template 4298
	7994	Double Trim Dummy	—	• Lever/Knob on both sides are always rigid • Lever/Knob only used as door pull • Through bolted Note: Different door prep required, see template 4298
	7995	Single Trim Dummy	—	• Lever/Knob on one side only is always rigid • Includes lock case and armor front • Lever mounted on inside of the door.

If shaded, knob or lever rigid at all times

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Electro-Mechanical Specifications

SARGENT 7900 Electro-mechanical Mortise locks can be used for single openings, stand alone applications or can be readily integrated into sophisticated access control systems.

Applications: Security and restricted access areas in schools, computer rooms, offices, banks, equipment rooms, laboratories and hospitals. Also used with fire and alarm controls in buildings and stair tower doors.

FEATURING ECOFLEX®

- Reduces energy consumption up to 92%, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

ELECTRICAL REQUIREMENTS

Voltage: Operates from 12-24VDC Regulated. Full wave rectification installed inside the lockbody.
Current: .25A at 24VDC or .5A at 12VDC
Operating Temp.: Max. 151°F (66°C), Min –31°F (-35°C)
UL and CUL listed for use on Fire Doors
Note: Repeated operation at voltage exceeding +/- 10% is not recommended.
Note: Opening lockbody by non-authorized personnel voids UL label and lock warranty.

WARNING

- Do not connect locks with a circuit sharing an additional electromagnetic device as the lock may be damaged
- Transient voltage must be suppressed at the source or before connecting with the lock
- Varistor rated at 35 volts (peak) may be used for transient voltage protection

RX- MONITORING MORTISE LOCKS

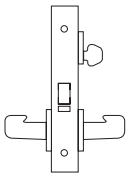
7900 Mortise Locks are available with internal switches for independently monitoring inside/outside lever rotation (RX- option).
- SPDT type C switches, rated 2A at 24VDC
- RX- Request to Exit or Enter
  - Two switches mounted internally in lockbody that provide independent monitoring of inside and outside lever rotation
  - Available in all functions w/non rigid levers
  - Not available with 1- option

ELECTROMECHANICAL FUNCTIONS

70 Electrical Fail Safe
71 Electrical Fail Secure

- 70 function - Fail Safe Power off – Unlocks outside lever
- 71 function - Fail Secure Power off – Locks outside lever
- Specify 12VDC or 24VDC
- Key outside retracts latchbolt
- Lever outside can only be locked with the solenoid
- Lever inside always retracts latchbolt
- Only available with lever trim
- Auxiliary deadlatch

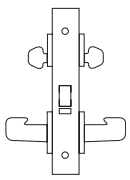
7970
7971



✦72 Electrical Fail Safe
✦73 Electrical Fail Secure

- 72 function - Fail Safe Power off – Unlocks both levers
- 73 function - Fail Secure Power off – Locks both levers
- Specify 12VDC or 24VDC
- Key either side retracts latchbolt
- Levers can only be locked with the solenoid
- Levers can not be locked independently
- Only available with lever trim
- Auxiliary deadlatch

7972
7973



✦**CAUTION**: Not recommended for use on any door used for Life Safety egress

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Strikes and Fronts

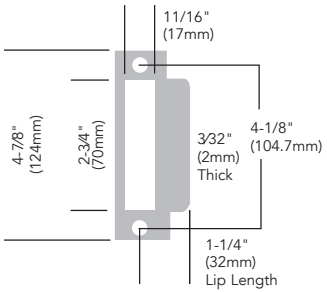
CURVED LIP STRIKES

- All locks are packed standard with a universal non-handed curved lip ANSI 4-7/8" (124mm) strike
- All strikes: Brass, bronze or stainless steel
- To order strikes separately, specify strike part number and finish. Strikes ordered separately are furnished with machine screws
- Strike Box is available separately as 77-1141 or WBS-
- For Strikes other than standard, specify part number when ordering with complete lock
- See chart for part number and lip lengths

Curved Lip Strike

Door Thickness	Part No.	Lip Length
Double Door	82-0229	7/8" (23mm)
1-3/8" - 1-1/2" (35-38mm)	82-0109	1-1/8" (29mm)
1-5/8" - 1-3/4" (41 - 44mm)	82-0110 (Std)	1-1/4" (32mm)
1-7/8" - 2" (48-51mm)	82-0111	1-3/8" (35mm)
2-1/8" - 2-1/2" (54 - 64mm)	82-0112	1-5/8" (41mm)

Curved Lip Strike (Standard)



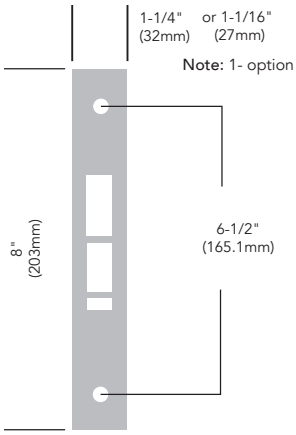
77-1141 WROUGHT BOX STRIKE (WBS)

- Specify WBS- when ordering lock to receive Box Strike with lock
- If ordering separately, use part# 77-1141

Outside Front Plate

Standard Width 1-1/4" (32mm)	Functions
79-0009	15, 65
79-0010	04, 16, 37, 38
79-0011	24, 25, 26, 66
79-0012	50
79-0014	45
79-0015	43
79-0010	70, 71, 72, 73
79-0008	95
79-0013	55

Outside Front Plate



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Cylinders

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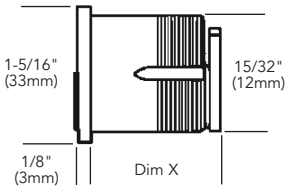
Cylinder Lengths (Dim X)

Cylinder No.	41	42	43	44	46	48	50	52	54	56
Dim X Length Under Cylinder Head	1-1/8" (29mm)	1-1/4" (32mm)	1-3/8" (35mm)	1-1/2" (38mm)	1-3/4" (44mm)	2" (51mm)	2-1/4" (57mm)	2-1/2" (64mm)	2-3/4" (70mm)	3" (76mm)

40 Series Type Cylinder

- Cylinder body: Solid brass
- Cap: Brass, bronze or stainless steel
- All functions use a standard cam, Except 50 function and the Inside Cylinder for 16 function locks.
(see page 11-12 for more details)



DG1, DG2, DG3 - Degree Series

- Utility patented, bump resistant and requires the use of a patented key
- All three locking mechanisms within the same system to be operated with just one key
- See Degree Key System Catalog for available options

11- Option XC Key System

- Patented system works with existing SARGENT keyway adding increased security
- 11- Option: XC- Standard Cylinder
- 11-63- Option: Large Format Interchangeable Core XC- cylinder
- 11-73- Option: Small Format Interchangeable Core with XC- feature

10- Option Signature Series

- The system offers the building owner full control over duplication of keys. Highly pick resistant cylinders
- 10-63- Option: Large Format Interchangeable Core Signature cylinder

21- Option Lost Ball Construction System

- The SARGENT construction keying system protects the building owner by providing temporary masterkeying during the construction period

Note: For complete cylinder information, see the appropriate Cylinder Catalog

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Cylinders

60- or 70- Option Plastic Construction Core

- For doors that do not require key locking during the construction period
- Operate with coin or flat screw driver
- For use with LFIC (60- Option) or SFIC (70- Option) core

63- Option Large Format Interchangeable (Removable) Core

- Allows immediate removal of the core. Virtually unlimited key changes
- For disposable core, see 60- option
- 10-63- Option: Large Format Interchangeable Core Signature cylinder
- 11-63- Option: Large Format Interchangeable Core XC- cylinder
- 64- Option: Large Format Interchangeable Core construction core
- Control key used to remove core; Must request control key separately

73- Small Format Interchangeable Core

- Small Format Interchangeable Core
- SARGENT Interchangeable Core cylinders and MasterKey Systems are available for increased security through quick keying change. It is not necessary to remove a cylinder
- SARGENT 7300B Interchangeable Restricted Cores are available in SARGENT 4A and 4B keyways, as well as the following standard competitor keyways: A, B, C, D, E, F, G, H, J, K, L, M
- For disposable core, see 70- option
- 65-73- Option: 6-Pin Small Format Interchangeable Cores uncombinated
- 65-73-7P- Option: 7-Pin Small Format Interchangeable Cores uncombinated
- 70- Option: Small Format Interchangeable disposable core
- 72- Option: Small Format Interchangeable construction core
- 73- Option: 6-Pin Small Format Interchangeable core, SARGENT 4A, 4B keyways
- 73-7P- Option: 7-Pin Small Format Interchangeable core, SARGENT 4A, 4B keyways
- Control key used to remove core; Must request control key separately

120 Series Mortise Turn Piece Cylinders

- Finishes: 4, 10B, 10BE, 32D, BSP
- Turn lever: Brass or bronze
- Cap: Brass, bronze, or stainless steel
- Must be ordered separately
  - 124- Turn Piece
  - 125- Turn Piece
  - 126- ADA Turn Piece
  - 127- Detachable Turn Piece

124-

125-

126-

127-

F1-82- and 82- Option KESO

- The system offers the building owner full control over duplication of keys
- Highly pick resistant cylinders
- Expanded levels of masterkeying
- F1-83- & 83: Option- Keso removable core
- 84- Option: Keso construction core cylinder

Note: For complete cylinder information, see the appropriate Cylinder Catalog

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Cylinder Rosettes and Cams

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97 Rosette Cylinder Collar

- Standard for
- 1KB Cylinder collar is used for longer cylinders and various door conditions
- Brass, bronze or stainless steel
- Standard for cylinders ordered separately from hardware
- 1-11/16" diameter (43mm), 9/32" (7mm) projection, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BE, 32, 32D, BSP, WSP

1 KB Rosette Cylinder Collar

- The KB series of cylinder rosettes will be used as required for various door conditions and cylinders (ex. 60- & 70-)
- Brass, bronze or stainless steel
- 1-1/2" (38mm) diameter, includes compression spring
- Projection from door:
  1KB-1 : 5/16" (8mm) - Standard
  1KB-2 : 7/16" (11mm)
  1KB-3 : 9/16" (14mm)

No. 90 Blocking Ring

- Used with 1KB rosettes as spacer when mortise cylinder projects from face of door
- Brass, bronze or stainless steel
- 1-3/8" (35mm) diameter; 1/16" (1.6mm) to 3/8" (9mm) projection in 1/16" (1.6mm) increments. Specify size when ordering.
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

1KA Rosette Cylinder Collar

- Used with mortise cylinders
- Furnished standard with the E2, E3 and E4 roses
- Brass, bronze or stainless steel
- 1-1/2" (38mm) Square, includes compression spring
- Projection from door:
  1KA-1 5/16" (8mm) - Standard
  1KA-2 7/16" (11mm)
  1KA-3 9/16" (14mm)
  1KA-4 11/16" (16mm)
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

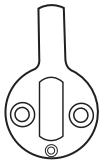
CYLINDER CAMS FOR MORTISE LOCKS

SARGENT Conventional Cylinders

- Standard

Std Cam
(13-0664) for all functions except for 50 and the Inside cam for 16 function locks

-105 Cam
(13-0665) for 16 Function Inside Cylinder



-115 Cam
(13-2045) 50 Function Hotel Cam, supplied with 50 function cylinders

SARGENT Removable Core Cylinders

- 6300 Cams are factory installed and are not removable
- 6300 Cams are not sold separately
- Specify required Cam as a suffix: 63-44-105 cam
- For Standard Cam: No Suffix is required

Std 6300 Cam
for all functions except for 50 and the Inside cam for 16 function locks

-105 Cam
for 6300 Series 16 Function Inside Cylinder

-115 Cam
for 6300 Series 50 Function Hotel Cam, supplied with 50 function cylinders

Note: For cylinders other than conventional and LFIC (removable core), see Cylinder catalogs for additional information

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Mechanical, ADA and Handicap Warning Options

MECHANICAL OPTIONS

Categories	How to Specify	Detailed Description
1-3/8" Doors	1-	1-1/16" (27mm) wide front for 1-3/8" (35mm) doors (Not available with RX- Option) (1- for 93 + 94 function is a special)
Thick Doors	31-	For doors 1-7/8" (48mm) to 2-1/4" (57mm) thick – see cylinder options for limitations on door thickness. When ordering the following information is required: Location of lock within the door, door thickness - IF PANELED - must specify panel thickness & panel location (inside or outside of the door). For doors thicker than 2-1/4" - consult factory.
Security Fasteners	36-	6 Lobe head security screws (Torx® type). Screw chart on pg 18 (Not available with Studio Levers)
	37-	Spanner head security screw. Screw chart on pg 18 (Not available with Studio Levers)
Electrical Option	RX-	Request to exit. Monitors the activation of the inside and outside lever independently (not available with 1- or LB-)
Knob & Lever Combinations	67-	Knob outside x knob inside (Not available with 70, 71, 72, 73 or 95 functions, RX- Option or Studio Levers)
	68-	Lever outside x knob inside (Not available with RX- Option, 95 function or Studio Levers)
	69-	Lever inside x knob outside (Not available with RX- Option, 95 function or Studio Levers)
Tactile Warning Options	75-	Tactile Warning — Milled levers or knurled knobs. Inside trim only (Not available with Studio Levers)
	76-	Tactile Warning — Milled levers or knurled knobs. Outside trim only (Not available with Studio Levers)
	77-	Tactile Warning — Milled levers or knurled knobs. Inside & outside trim (Not available with Studio Levers)
	85-	Tactile Warning — Abrasive coating finish inside trim only
	86-	Tactile Warning — Abrasive coating finish outside trim only
	87-	Tactile Warning — Abrasive coating finish inside & outside trim
Thumbturns (See page 9)	LB-	ADA Extra large thumbturn; backplate matches rose design chosen
	T1	Decorative thumbturn; backplate matches rose design chosen
	T2	Decorative square thumbturn; backplate matches rose design chosen
	T3	Decorative cylinder thumbturn; backplate matches rose design chosen
Finish Protection	CPC-	Clear Powder Coat (Available for 32 & 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat
Box Strike	WBS-	Wrought Box Strike

ADA AND HANDICAP WARNING

Lever Return to Door

- Available with BL, BJ & BP levers
- Lever returns within 1/2" (13mm) of door face or less
- Meets the strictest ADA code compliances.

Note: All lever height (+/- 1/16") measurements represent total distance from door face.

Tactile Handicapped Warning

- Abrasive Coating: Options 85-, 86- & 87-
- Milled 1/16" Grooves: Options 75-, 76- & 77- BB, BJ, BL and BP Levers – grooved on backside surface of lever

Tactile Handicapped Warning

- Knurled B knob available
- Knobs are NOT ADA compliant

Keys

- Large key bows available with SARGENT "C" keyways only
- Keys NOT ADA compliant

Shown: Large Bow Key on left

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Cylinder Options

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CYLINDER OPTIONS

Categories	How to Specify	Detailed Description
Degree Key System	DG1-	SARGENT Degree Key System Level 1 (Bump resistant with patented keys)
	DG1-21-*	Degree Level 1 Construction Master Keying
	DG1-60-*	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-*	Degree Level 1 Unassembled/Uncombined Core
	DG1-78-*	Degree Level 1 Exposed Plug (For use with LE3/LE4 escutcheons only)
	DG2-*	SARGENT Degree Key System Level 2 (Geographically exclusive; bump and pick resistant)
	DG2-21-*	Degree Level 2 Construction Master Keying
	DG2-60-*	Degree Level 2 Removable Disposable Construction Core
	DG2-63-*	Degree Level 2 Removable Core
	DG2-64-*	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-*	Degree Level 2 Unassembled/Uncombined Core
	DG2-78-*	Degree Level 2 Exposed Plug (For use with LE3/LE4 escutcheons only)
	DG3-*	SARGENT Degree Key System Level 3 (Geographically exclusive;UL437 certified;bump and pick resistant)
	DG3-21-*	Degree Level 3 Construction Master Keying
	DG3-60-*	Degree Level 3 Removable Disposable Construction Core
	DG3-63-*	Degree Level 3 Removable Core
	DG3-64-*	Degree Level 3 Removable Construction Keyed LFIC
	DG3-78-*	Degree Level 3 Exposed Plug (For use with LE3/LE4 escutcheons only)
Signature Key System	10-*	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-*	SARGENT Signature Construction Key System (Lost Ball)
XC- Key System	11-*	XC Key System (Not Available with other Key Systems, unless specified)
Signature Large Format Interchangeable Core (Removable Core)	10-63-*	SARGENT Signature LFIC (Removable) Core Cylinder
XC- Large Format Interchangeable Core (Removable Core)	11-60-*	Lock to accept XC- Permanent LFIC (Removable core), disposable plastic core provided
	11-63-*	Lock provided with XC- LFIC (Removable core) cylinder - (Includes masterkeying, grand masterkeying)
	11-64-*	Lock provided with keyed construction core to accept XC- LFIC (Removable) Permanent core ordered separately
XC- Small Format Interchangeable Cores	11-70-7P-*	Lock to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-*	Lock to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P-*	Lock provided with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P-*	Lock provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose)
Construction Key Systems	21-*	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
Large Format Interchangeable Core (Removable Core)	60-	Lock to accept SARGENT Permanent LFIC (Removable core), disposable plastic core provided (Permanent cores ordered separately)
	63-	Lock provided with LFIC (Removable core) cylinder - (Includes masterkeying, grand masterkeying)
	64-	Lock provided with Keyed construction core to accept LFIC (Removable) permanent core (Ordered separately)
Small Format Interchangeable Cores	70-*	Lock to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-*	Lock to accept 6- or 7-Pin SFIC (6-Pin Keyed Construction Core provided) Cylinder (Permanent Core Ordered Separately)
	73-*	Small Format 6-Pin Interchangeable Core SARGENT 4A, 4B keyway only (Request control key separately) (Includes masterkeying, grand masterkeying)
	65-73-*	Lock provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	65-73-7P-*	Lock provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	73-7P-*	Small Format 7-Pin Interchangeable Core SARGENT 4A, 4B keyway only (Not available with Studio Levers) (Includes masterkeying, grand masterkeying)

* Options not available with 50 function locks
Note: For V-10 Cylinders and information, contact ASSA

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Cylinder Options, How to Order, Finishes and Packaging

CYLINDER OPTIONS

Categories	How to Specify	Detailed Description
Keso & Keso F1	81-*	Lock provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores ordered separately)
	82-	Lock provided with SARGENT Keso Security Cylinder
	F1-82-	Lock provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-*	Lock provided with SARGENT Keso Security Removable Core cylinder
	F1-83-*	Lock provided with SARGENT Keso F1 Security Removable Core cylinder (Patented)
	84-*	Lock provided with SARGENT Keso Construction Cores (Permanent Cores ordered separately)
Added Security	BR-	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	LC-	Less Cylinder - SARGENT supplies standard blocking rings for 1-1/8" Cylinders (For longer cylinders order collars / rings separately)
Schlage Keyways	SC-*	Schlage "C" Keyway Number 41 cylinder only, 0 bitted (2" (51mm) door thickness max. — centered)
	SE-*	Schlage "E" Keyway, Number 41 cylinder only, 0 bitted (2" (51mm) door thickness max. — centered)

* Options not available with 50 function locks

HOW TO ORDER 7900 SERIES MORTISE LOCKS

10-	79	71	12VDC	LN	MJ	15	RHR
Options*	**Series**	**Function**	**Voltage**	**Roses/Escutcheons**	**Levers/Knobs**	**Finish**	**Hand**
For all available options see Page 19-21	79 Mortise Lock	Pages 11-13 for Details	12VDC 24VDC	Standard Offering Page 4	Standards Levers & Knob Page 4 & 5,	Page 21	RHR
							RH
			Voltage must be specified for 70, 71, 72 & 73 Functions	Studio Offering Page 8	Studio Levers Page 6 & 7		LHR
							LH

* Multiple options available

HARDWARE FINISHES AVAILABLE

7900 Standard Trim	Studio Collection	ANSI/BHMA	Description
03	03	605	Polished brass, clear coated
04	04	606	Satin brass, clear coated
09	09	611	Polished bronze, clear coat
10	10	612	Satin bronze, clear coated
10B	10B	613	Oxidized bronze, oil rubbed
10BE	10BE	613E	Dark oxidized satin bronze — equivalent
10BL	10BL	613L	Oxidized satin bronze, clear coat
14	14	618	Polished nickel, clear coat
15	15	619	Satin nickel, clear coat
20D	20D	624	Statuary dark bronze, clear coat
26	26	625	Polished chrome
26D	26D	626	Satin chrome
32	32	629	Polished stainless steel
32D	32D	630	Satin stainless steel
BSP	BSP	BSP	Black suede powder coat
WSP	WSP	WSP	White suede powder coat

Note: Split finishes available (Order: outside finish/inside finish)
If inside and outside trim designs differ, please specify (Order: outside/inside trim)

PACKAGING

7955 x OBB	approx. 5.8 lbs. (2.6kg)/box	6 boxes/case
7955 x LW1BB	approx. 6.5 lbs. (2.9kg)/box	6 boxes/case

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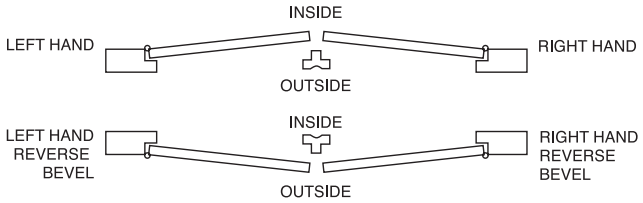
Handing Information and Security Screws

CHANGING LOCK HAND

Note: Handing of the lockbody:

1) The RED surface of the locking slide always faces the side of the door which will be locked. If it is not, change hand of locking slide (Step A)
2) The bevel (Angled surface on the latchbolt) must always face the strike. If it does not, change hand of latchbolt (Step B)

DOOR HANDING

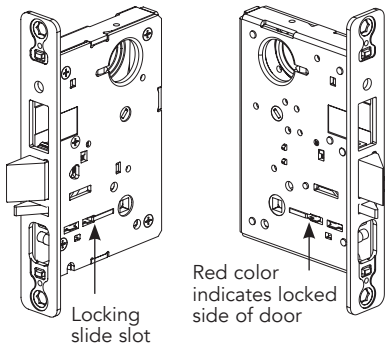


Door hand is determined by door swing when viewed from outside/secured (keyed) of door

STEP A

To change hand of locking slide

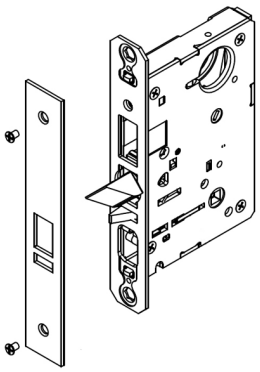
1. Turn lockbody to side NOT marked with RED locking piece.
2. Insert blade type screwdriver into locking piece slot.
3. Push locking piece toward front of lockbody and rotate until RED shows.
4. RED indicates locked side (outside).



STEP B

To change hand of latchbolt:

1. Remove the outside front by removing the two screws (as shown).
2. Depress inside front of lockbody on both sides of latchbolt.
3. Rotate the latchbolt by hand 180 degrees, so that the bevel of the latchbolt faces the strike.
4. Reattach the outside front with two screws.
5. The deadlatch is self adjusting.



6 LOBE & SPANNER BIT PACKS

Part Number	Descriptions
82-3855	6 Lobe Torx® Bit Pack (36-) (sizes- T8, T9, T10, T15, T20, T25, T27) 7/16" Driver
82-3856	Spanner Bit Pack (37-) (sizes- 4, 6, 8, 10, 12, 1/4") 1/4" Driver

36- OR 37- OPTION SECURITY SCREW CHART

	Functions																				
Trim Designs	04	15	16	24	25	26	37	38	43	45	50	55	65	66	70	71	72	73	93	94	95
O Roses	5	5	5	6	6	5	5	5	6	6	6	5	7	7	5	5	5	5	4	4	5
LW1/KW1	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	7
WT	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	12

Note: 93 & 94 Function locks are not available with a security type screw on the door edge

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Architectural Specifications

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2.01 MORTISE LOCKSETS

A. Mortise locks shall be 7900 Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.
B. Locks shall meet or exceed the requirements of ANSI/BHMA A156.13 Series 1000, Operational Grade 1 with all standard trims.
C. Locks shall be easily re-handed without opening the lock body.
D. Locks shall comply with UL 10C positive pressure requirements.
E. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of A label (3 hours) and less, for doors up to 4'0" (1.2m) x 10' 0" (3.0m) and pairs of doors 8'0" (2.4m) x 8'0" (2.4m).
F. Construction:
    1. Lock functions shall be manufactured in a single-sized case.
    2. Lock cases shall be closed on all sides and back.
    3. Locks shall have field adjustable, beveled, armored front.
    4. Locks shall have a 3/4" (19mm) throw one-piece stainless steel latchbolt.
    5. Deadbolts, where specified, shall be full one inch (25mm) throw made of steel and have a hardened insert.
G. Locks shall have a 2-3/4" (70mm) backset, standard.
H. Strikes shall be non-handed with a curved lip.
I. To ensure proper alignment, trim, knobs or levers, shall be thru-bolted and fully interchangeable between rose and escutcheon.
J. Locks shall have brass 6-pin cylinder, standard.
K. Locks shall have a 5 year limited mechanical warranty, 2 year on electrical products.

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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SARGENT®
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PRODUCT CATALOG

7800/8200 Series Mortise Locks

Experience a safer
and more open world

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MICROSHIELD®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

MICROSHIELD® COATING

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

agion Nature's antimicrobial The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

On The Cover

8255 x LNB x 26D Office Function

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90115 02/26

Certifications*

SARGENT
ASSA ABLOY

Certification Compliance

ANSI/BHMA	BHMA CERTIFIED	Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1 with all standard trims. Note: LFIC (Removable) Cylinders and SFIC Cylinders do not meet Security Grade 1 requirements.
ADA		Meets A117.1 Accessibility Code. Meets BOMA International 4.13.8 Complies with American Disability Act; Consult local authorities
UL-cUL		UL and cUL Listed to US and Canadian safety standards for A label 4 x 10 single and 8 x 10 double (3 hour fire door) and lesser class doors, stamped letter F and UL symbol on armored front indicate listing
Positive Pressure		Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
California		California State Reference Code (Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face
Tornado and Hurricane Codes	Hurricane	See below

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

WINDSTORM CERTIFICATIONS: FLORIDA BUILDING CODES & UL LISTINGS

SARGENT Manufacturing's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 7800/8200 lock.

Florida Building Code: FL2998
UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996 (2009)	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Criteria for Testing Impact and Non-Impact Resistant Building Envelope Components Using Uniform Static Air Pressure"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"

* Any undated reference to a code or standard appearing in this catalog shall be interpreted as referring to the latest edition of that code or standard.
** Published in the 7th Edition (2020), "Florida Building Code" (FBC), State Product Approval Number FL2998

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Features

The patented SARGENT Mortise Locks are designed and constructed with high quality components to provide maximum security, performance and durability. These locks represent over a century of innovation and experience in manufacturing hardware and are the industry's benchmark for mortise locks: strong, durable, flexible, innovative and secure.

SPECIFICATIONS

- For Doors 1-3⁄4" (44mm) thick standard
- Backset 2-3⁄4" (70mm) only
- Outside Front Plate Brass, bronze or stainless steel. 8" (203mm) x 1-1⁄4" (31mm)
- Front adjustable at any angle from flat to beveled 1⁄8" (3mm) in 2" (51mm)
- Hubs for Knobs/Levers
  – 7800: sintered iron copper infiltrated
  – 8200: cold forged steel
- Auxiliary Deadlatch is stainless steel and non-handed
- Specify hand on order; easily field reversible (if no hand is specified RH will be provided)
- Strike: Brass, bronze or stainless steel; ANSI Standard; curved lip, non-handed (strike box optional)
- Keys: Two, nickel silver (control key or emergency key must be ordered when required)
- Cylinder: Brass, size #41 (1-1/8") standard (except for Freewheeling, size #46 (1-3/4"))
- Can be masterkeyed or grand masterkeyed. Construction keying available. LA standard keyway
- Stile: 4-1/2" (114mm) minimum stile for 7800/8200, 4-3/4" (121mm) minimum stile for electrical function locks
- Door Prep: ANSI/SDI A250.14 modified per template 7057
- Warranty: 10 year limited mechanical, 5 year limited MELR, 2 year limited electrical. Warranty limited to replacement of lockbody and/or components

BHMA CERTIFIED

Hurricane

MAXIMUM STRENGTH & DURABILITY

- Sargent 8200 Series UL Cycle above and beyond test completed at 16 Million Cycles. Verification ID: V584148
- Certified to and exceeds ANSI/BHMA A156.13, Series 1000, Operational Grade 1 and Security Grade 1 with all standard trims
- Exceeds cycle testing requirements by 16 times the ANSI/BHMA A156.13 Grade 1 standard
- Case: 12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")
- 1/8" (.125") cold-rolled steel inside front holds lock securely in door
- Heavy duty wrought steel hubs and high carbon steel spring cartridge provide superior strength and cycle life for 8200 locks
- Latchbolt is stainless steel with 3/4" (19mm) projection one-piece, anti-friction reversible latch
- Deadbolt is one-piece hardened stainless steel with 1" (25mm) projection
- Optional 8200 stainless steel hubs for Institutional setting (specify 3- option)
- Patent pending and/or patent www.assaabloydss.com/patents

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Features

MAXIMUM FLEXIBILITY

- Fast and easy installation. Lock is easily re-handed without removing parts or opening the lock case
- Aesthetic design. Many escutcheon and lever styles available to match a wide range of styles
- Many standard architectural grade finishes, including Polished Nickel (US14) & Satin Nickel (US15) finishes
- 54 functions including 4 electrical functions. The most in the industry for a broad range of applications
- Versatile. Offered for door thicknesses ranging from 1-3/8" (35mm) to 6" (152mm)
- Available with vandalism deterrent trim and/or secure fastener options Torx® and spanner screws for high abuse conditions
- Available with push/pull trim, perfect for hospital applications
- Status indicator options provide peace of mind on the locked/unlocked status of a door

INNOVATION

- First in the industry to offer a multi-functional lockbody that embodies 9 functions in 1 lockbody
- Easy operation. Only 30° of lever rotation required to retract latchbolt
- Lever springs contained inside of the lock case for easier installation
- SARGENT's revolutionary MicroShield® available. This antimicrobial silver-based finish coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. EPA and NSF approved and FDA listed
- Broad offering of electro-mechanical configurations offer higher security for the most demanding access/egress control applications featuring ElectroLynx® quick connectors

SECURITY

- Multiple security trim options available: free-wheeling, security escutcheon and anti-vandal pull trim
- Security key systems available (Degree, Signature, Keso, Keso F1, & XC)

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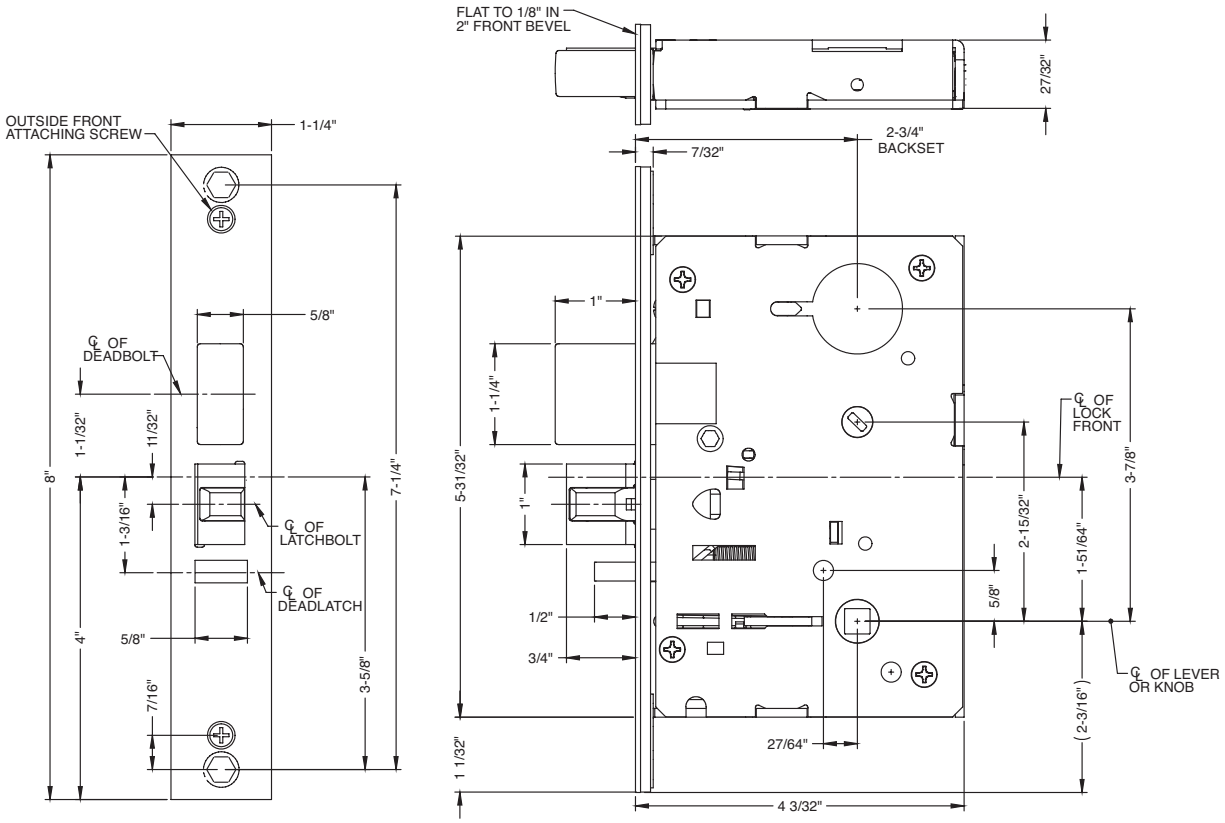
Features

8200 & 7800 LOCKBODY DIMENSIONS



Note: 8200 lockbodies are dimensionally the same except for the through-bolt locations

Explanation of the 8200/7800 Lockbody types:

Lockbody Type[1]	Trim Available x Lockbody type	Standard 8200 Door Prep	Through Bolted Trim	Multi-function lockbody available	How to order lockbody only
8200	Lever x Rose/Escutcheon	Yes	Yes	Yes	82 x Function x Finish[3]
7800	Knob x Rose/Escutcheon	Yes	Yes	Yes	78 x Function x Finish[3]
8200 for ALP	ALP Push/Pull Trim	Yes	Yes	Yes	Six Digit Part # determined by function*
7800 PT	PT Push/Pull Trim	Yes	Yes	Yes	Six Digit Part # determined by function*

[1] Lockbodies can only be used with the specified trim
[2] Through Bolt locations are different from standard trim, special door prep required
[3] **Note:** Cylinder and trim not included. Outside front, strike and screw pack are included
* See Price book; **Note:** Outside Fronts, Strikes, Cylinders and Trim are NOT included

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Studio Collection Levers

Studio Collection trim is available in a broad array of designs and finishes. It allows for uniformity throughout a facility using the 8200 and 7900 Series Mortise Locks, Access Control Products, 80 Series Exit Devices, DL and RDL Series Tubular Locks.

All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.

Centro Series

MD

MJ

MP[2]

ND[1]

NJ[1]

Notting Hill Series
(MA & MO are Non-Handed Levers)

MA[2]

MQ[2]

MT[2]

MO[2]

MZ[1,2]

GT

Aventura Series

MB

ME

MF

NF[1]

MG

MI

MW[1]

[1] Lever returns within 1/2" (13mm) of door face
[2] Not available in 32D or 32 finish

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Studio Collection Levers

SARGENT
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Odéon Series
(Handed Levers)

MN[4]

MH[4]

MS[4]

MU[4]

MV[4]

NU[1,4]

WG

Gramercy Series[2]

RCM

RAL

REM

RAM

RAS

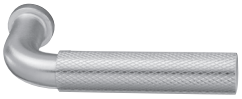
RAG

RGM

Berlin Series

H015

H016[1]


H017

H018

Wooster Square[3]

H001

H002[1]

H003

H004

H005[1]

H006[1]

Grant Park
(H008 Lever is Handed)

H007

H008

H011

[1] Lever returns within 1/2" (13mm) of door face
[2] Gramercy levers are customized. See page 52 for ordering information
[3] H003-H006 - Contain white or black polycarbonate inserts. Not available with MicroShield® antimicrobial coating.
[4] Not available in 32D or 32 finish

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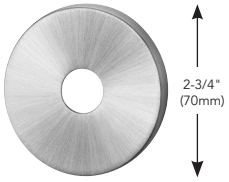
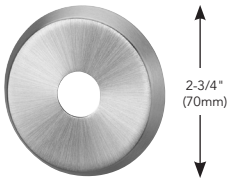
Studio Collection Trim

ROSES (8200 SERIES)

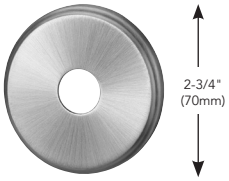
O Rose



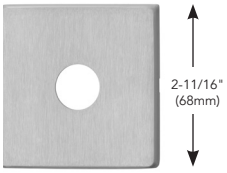
CO Rose



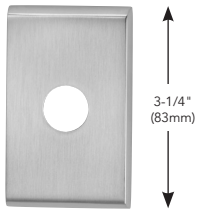
TO Rose



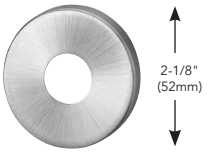
E2 Rose[1]



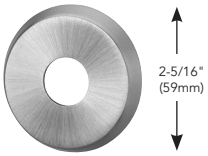
E4 Rose[1]



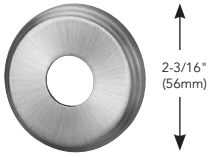
LN Rose



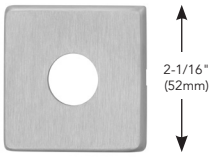
CR Rose



TR Rose



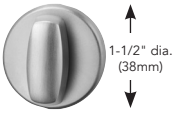
E3 Rose[1]



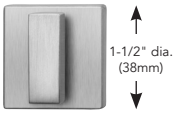
THUMBTURNS (8200 SERIES)

Thumbturn backplate will match rose design chosen.

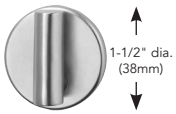
T1 Turn



T2 Turn

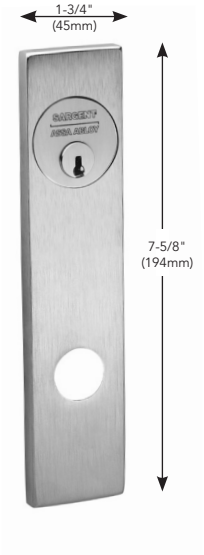


T3 Turn

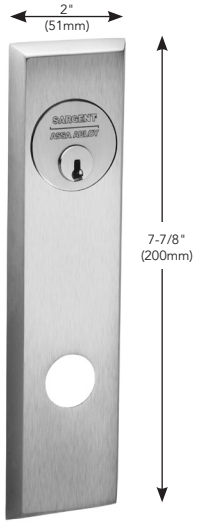


ESCUTCHEONS (8200 SERIES)

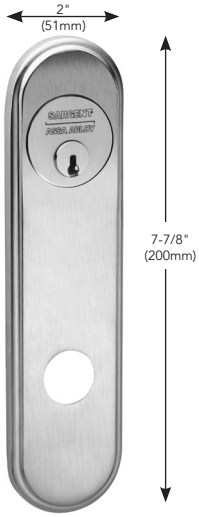
LE1 Escutcheon



CE Escutcheon



TE Escutcheon



[1] 1KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.

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Coastal Series™ Levers, Roses & Escutcheons

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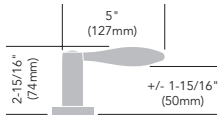
COASTAL SERIES (8200 SERIES)

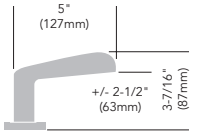
Features

- All levers meet ADA compliance for national codes
- Not available with CO and TO roses
- Levers are solid cast brass
- Finishes available – 3, 4, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, BSP, WSP
- All lever height (+/- 1/16") measurements represent total distance from door face

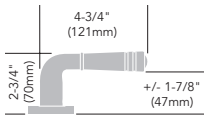
G - Gulfport™ (Handed)



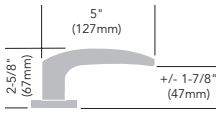
S - Sanibel™ (Handed)



R - Rockport™

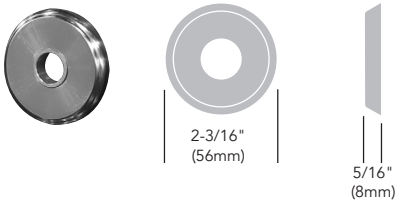


Y - Yarmouth™ (Handed)



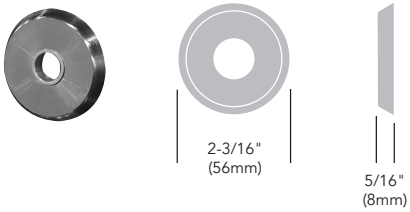
TR Traditional Rose

- Dual radii edge



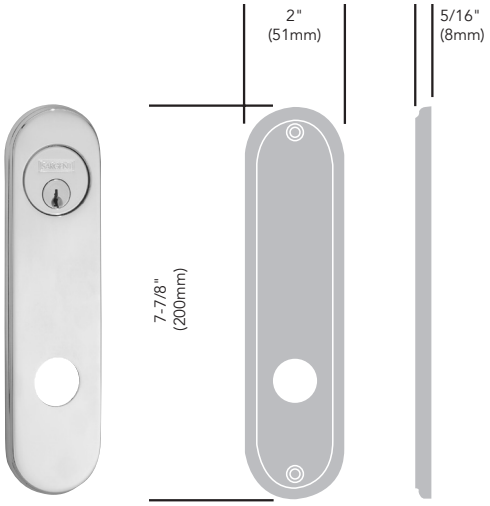
CR Contemporary Rose

- Beveled edge



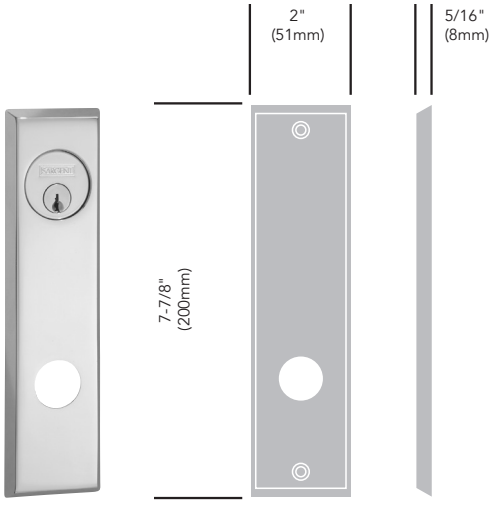
TE Traditional Escutcheon

- Dual radii edge



CE Contemporary Escutcheon

- Beveled edge



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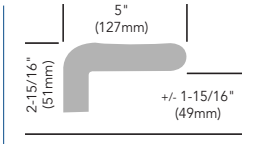
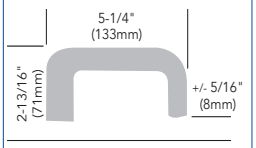
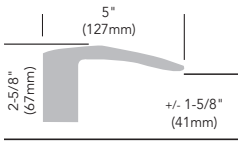
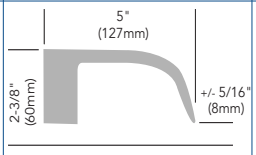
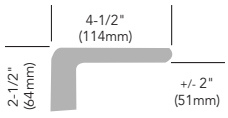
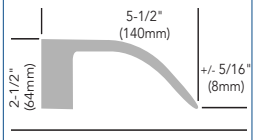
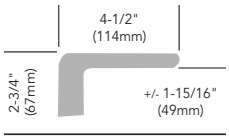
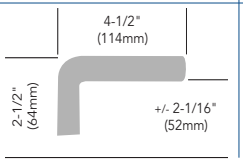
Standard Levers

STANDARD LEVERS (8200 SERIES ONLY)

Features

- All levers meet ADA compliance for national codes
- Solid forged or cast
- Lever designs J, L and P have lever returns within 1/2" (13mm) or less of door face and meet California State Reference Fire Code
- All lever height (+/- 1/16") measurements represent total distance from door face

A (Handed)			J		
B			L		
E			P		
F			W		

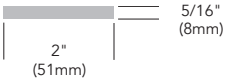
STANDARD ROSES

L Rose

O Rose

E Rose

LN Rose



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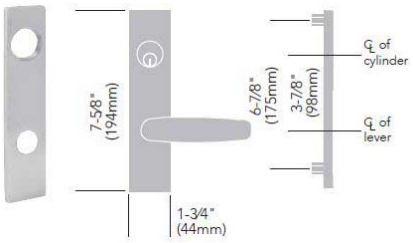
Escutcheon Designs

Cylinders will protrude from escutcheon face on double cylinder functions only.

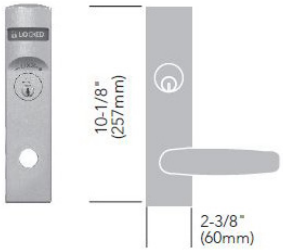
LE1/LE2 Escutcheon Design

- Escutcheon: LE-Cast
- LE1- (2) Exposed screws inside
- LE2- (2) Concealed screws inside
- LE1 is available with standard, Coastal & Studio Levers
- LE2 is available with standard levers only



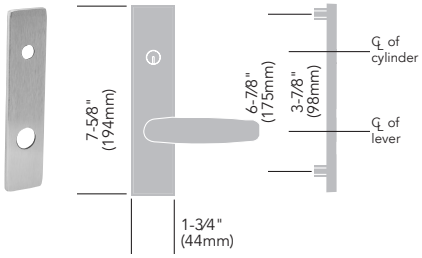
VN1 Escutcheon Design

- Escutcheon: Forged
- Thrubolt mounting screws (2)
- Exposed screws inside
- Used only with indicator options
- Refer to page 36



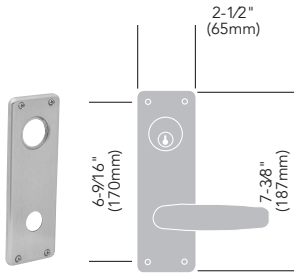
LE3/LE4 Escutcheon Design

- Concealed Cylinder designed Escutcheon, Exposed Barrel Only
- Escutcheon: LE-Cast
- LE3- (2) Exposed screws inside
- LE4- (2) Concealed screws inside
- Not available on double cylinder functions
- Only available with #41 size cylinders - limited keyway and key system offerings – see cylinders section
- If cylinder is ordered separately: specify 78- for concealed cylinder
- LE3 & LE4 are available with standard levers only
- UL437 not available
- Not available with DG2 & DG3 cylinders



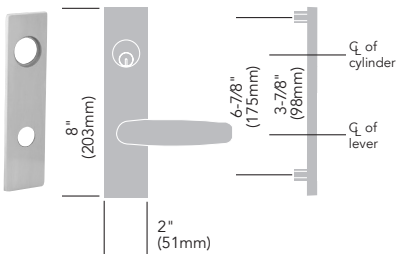
WT Escutcheon Design

- Escutcheon: WT-Heavy wrought
- Surface mounted both inside and outside
- (4) Exposed screws both inside and outside
- WT is available with standard levers only



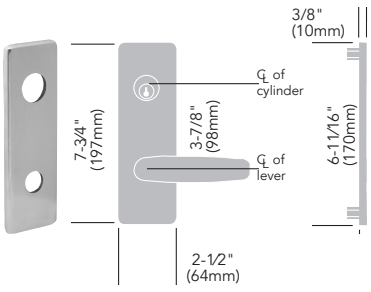
LW1 Escutcheon Design

- Escutcheon: LW1-Wrought
- (2) Exposed screws inside
- LW1 is available with standard levers only



LS Escutcheon Design

- Escutcheon: LS-Forged
- Security Trim: Cylinder is protected by the Escutcheon
- (4) Spanner security screws are exposed on inside trim standard
- LS is available with standard levers only



Note: The LS Escutcheon is not available with cylinder options: 10-63-, 11-60-, 11-63-, 11-64-, 60-, 63-, 64-, 70-, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82-, 83-, 84-, F1-82-, F1-82- & F1-83-. Also not available with electrified functions: 70, 71, 72, 73

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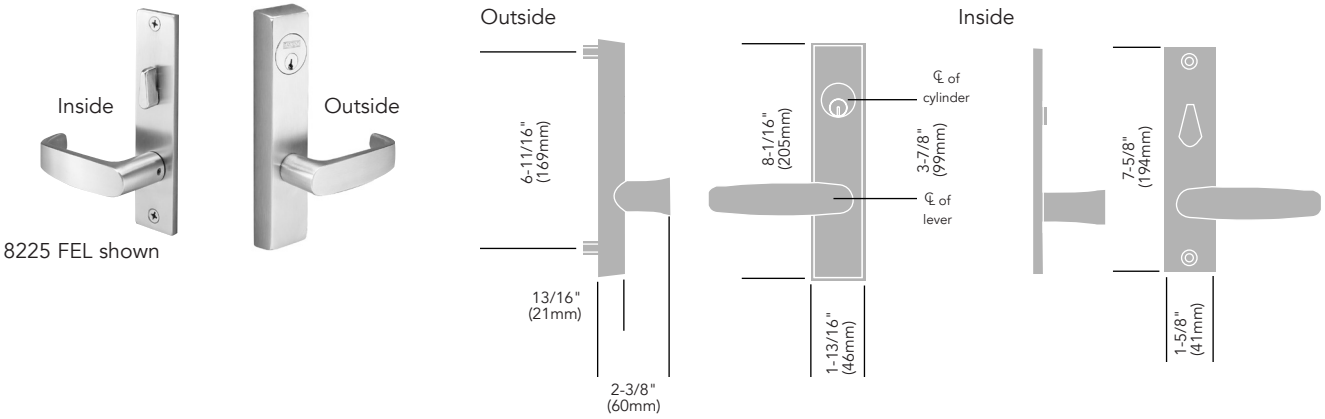
Freewheeling (FE) Trim Design



Vandal Resistant Freewheeling Lever

Note: Maximum projection varies by lever design. Largest projection is "A" lever – 3-9/16" (90mm)

FEATURES

The Freewheeling Mortise Trim is designed for areas that are susceptible to vandalism including schools, universities, public buildings, back doors of businesses and any exterior doors where excessive or abusive force might be applied to the lever handle trim.

This design allows the outside lever handle to swing freely, down to 70°, in the "locked" mode. This eliminates resetting the trim after vandalism attempts because the lever automatically returns to its original position.

- For 1-3/4" (44mm) doors standard. For 2" (51mm) and 2-1/4" (57mm) thick doors, must specify door thickness on order
- Vandal resistant trim
- Meets or exceeds ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1. LFIC (Removable) and SFIC cylinders do not meet Security Grade 1
- Forged brass outside escutcheon trim provides added protection against vandalism (32 and 32D finishes not available)
- Stainless steel lever bushing protects against wear
- Stainless steel lugs and through-bolted trim design for proper alignment and increased security
- Functions available — 04, 05, 16, 17, 24, 25, 26, 31, 35, 36, 37, 38, 39, 40, 51, 65, 66
- Levers A, B, E, F, J, L, P, W available
- Lever designs J, L and P have lever returns within 1/2" (13mm)
- Cylinder will protrude from escutcheon face on double cylinder functions only
- Cylinder sizes #46 (1-3/4") outside, #41 (1-1/8") inside standard on 1-3/4" (44mm) doors
- Specify hand. Easily field rehanded
- Patent pending and/or patent www.assaabloydss.com/patents
- Options available: 3-, 10-, 11-, 11-60-*, 11-63-*, 11-64-*, 11-70-7P-*, 11-72-7P-*, 11-73-7P-*, 11-65-73-7P-*, 21-, 23-, 36-, 37-, 60-*, 63-*, 64-*, 70-*, 72-*, 73-*, 65-73-*, 65-73-7P-*, 73-7P-*, 74-, 75-, 76-, 77-, 82-, SG- & WBS-

* Can not be used as the inside cylinder with freewheeling trim (#41 cylinder required)

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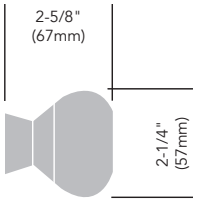
7800 Knob & Rose Designs

- Knob designs only are available with standard roses (E, L, LN, & O) and escutcheons (KE1/KE2, KE3/KE4, KW1, & WT).
- Available with VN1 escutcheon for V series indicator options only. See page 15.

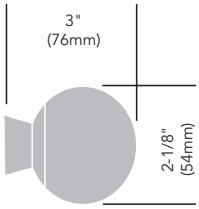
C Knob Design

- Knob: C-Wrought



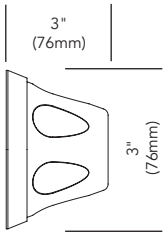
B Knob Design

- Knob: B-Wrought



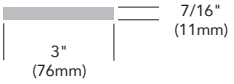
D Knob

- Machined from Stainless Steel
- Only available with BH or SL Rose
- Finish: 32D
- Options not available: 75, 76, 77, 85, 86 & 87



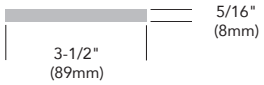
BH Rose

- Available with D Knob only. Must be ordered as BHD Trim.



SL Rose

- For Detention Knob x lever or knob, please consult factory



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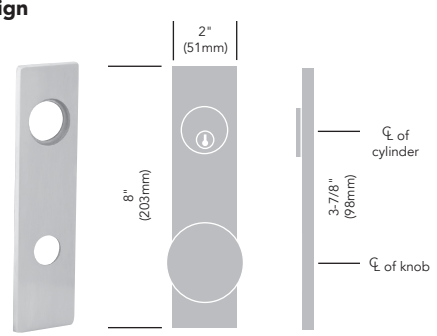
7800 Series Escutcheon Designs

SARGENT
ASSA ABLOY

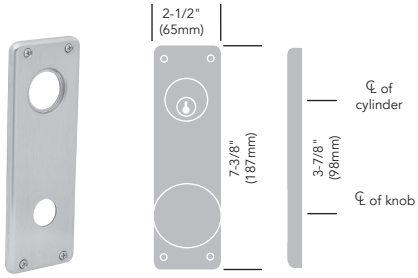
KW1 Escutcheon Design

- Escutcheon: KW1-Wrought
- (2) Exposed screws inside
- Available with B & C knobs only



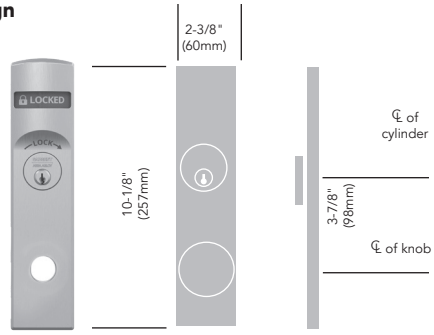
WT Escutcheon Design

- Escutcheon: WT-Heavy wrought
- Surface mounted
- (4) Exposed screws inside and outside
- Available with B & C knobs only



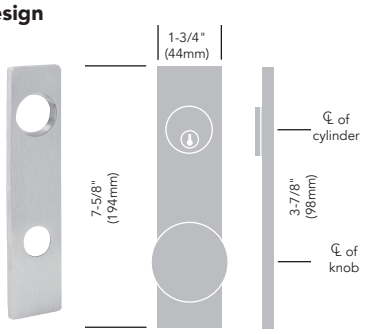
VN1 Escutcheon Design

- Thrubolt mounting screws (2)
- Exposed screws inside
- Available with B knobs only
- Refer to page 36



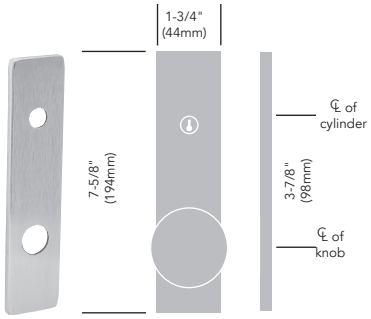
KE1/KE2 Escutcheon Design

- Escutcheon: KE1-Cast
- KE1- (2) Exposed screws inside
- KE2- (2) Concealed screws inside
- Available with B & C knobs only



KE3/KE4 Escutcheon Design

- Concealed Cylinder designed Escutcheon, Exposed Barrel Only
- Escutcheon: KE3-Cast
- KE3- (2) Exposed screws inside
- KE4- (2) Concealed screws inside
- Not available on double cylinder functions
- Only available with #41 size cylinders – limited keyway and key system offerings — see cylinders section
- If cylinder is ordered separately: specify 78- for concealed cylinder
- Available with B & C knobs only
- UL437 not available
- Not available with DG2 & DG3 cylinders



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Behavioral Health Series™ Trim

SARGENT
ASSA ABLOY

8200 PUSH/PULL TRIM (ALP)

(Paddle shown horizontally)

The 8200 mortise lock with push/pull trim provides an aesthetically-pleasing alternative to standard push/pull products. Ease of operation, along with the strength, versatility and integrity of the 8200 mortise lock, allows its use in many types of environments. Perfect for health care facilities, including behavioral health units, patient room doors and operating rooms.

Features

- Paddles can be mounted in vertically (up or down) and horizontally (towards hinge) – with Cylinder - paddle mounts vertically down or horizontally
- Easy installation
- Trim is non-handed; lockbody is easily field reversible
- Through-bolted trim for stability
- Torx® and spanner screws optional with ALP
- Lead lining is optional (Lockbody only), specify 74- option
- Covers are cast stainless steel
- Paddles are cast stainless steel
- Finish: 32D

8200 SERIES WITH BHW* TRIM

Part of the Behavioral Health Series™ of products, the 8200 mortise lock with BHW trim provides an innovative solution for behavioral health environments. The unique integrated lever and escutcheon combines aesthetics with safety. Ease of operation, along with the strength and versatility of the 8200 mortise lock allows its use in many applications.

Features

- Available in 48 functions
- Uses standard mortise prep
- ANSI/BHMA Grade 1
- Tapered surfaces on all components
- Handed
- Available with MicroShield® antimicrobial coating
- Trim only option available with existing sectional and escutcheon trim only
- Minimum stile 8-1/2" (216mm)
- Trim only kits, includes inside and outside trim. Cylinder functions include 1SB- collar for use with 1-1/8" cylinders.
  - 694-1 Trim only, non-keyed functions
  - 694-2 Trim only, single cylinder functions
  - 694-3 Trim only, double cylinder functions
- ADA Compliant
- Matching thumbturn
- Finish: 32D
- 6 Lobe head security screws (Torx® type)

8200 WITH BHL* TRIM

The SARGENT BHL trim is part of the Behavioral Health Series™ of products. With an array of functions, this trim can be used on virtually any opening in healthcare applications. Sloping surfaces and overlapping rose and lever address safety concerns common in behavioral health. Optimal for tough environments, the SARGENT 8200 mortise lock provides impressive strength and reliability.

Features

- Available in 41 functions
- UL Fire Rated
- ANSI/BHMA Grade 1
- Outside and inside levers will freely rotate up and down 45° when in the locked condition.
- Sloped surfaces
- Non-Handed
- Concealed hardware
- Overlapping lever and rose construction
- ADA compliant
- Finish: 32D
- Available with MicroShield® antimicrobial coating

	04	05	06	13	15	16	17	24	25	26	27	28	29	30	31	35	36	37	38	39	40	41	42	43	45	46	47	48	49	50	51	52	55	56	57	58	59	65	66	67	68	70	71	72	73	270	271	274	275	280	281	284	285
8200 ALP	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x								
8200 BHL	x	x			x	x	x	x	x	x	x	x	x	x			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x								
8200 BHW	x	x			x	x	x	x	x	x	x	x	x	x				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x

See Healthcare Hardware Catalog 90712 for more details

* Although these products are better designed for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them

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PT Push/Pull Trims & Anti-Vandal Option

7800 PUSH/PULL TRIM (PT)

(Paddle shown horizontally)

Typically used in the healthcare environment, push/pull trim is known for its ease of operation. Because the mortise lock with trim is more durable and secure than a cylindrical lock, conference rooms, handicapped restrooms, laboratories and pharmacies are appropriate applications.

Features

- Paddles can be mounted in vertically (up or down) and horizontally (towards hinge)
  - with Cylinder — paddle mounts vertically down or horizontally
  - with thumb turn — paddle mounts horizontally only
- Handing is easily field reversible
- Through-bolted trim for stability
- Functions available: 04, 15, 16, 17, 24, 26, 37, 43, 45, 50, 65
- Paddles & Covers are cast stainless steel, brass or bronze

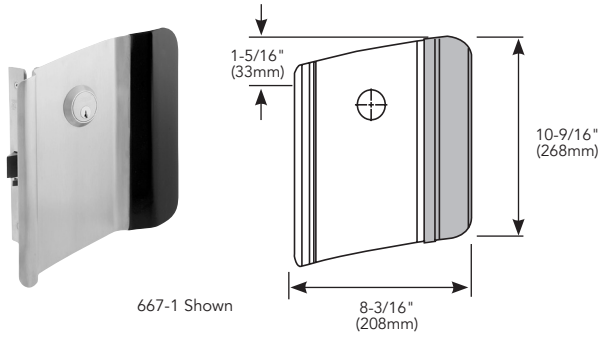
See Healthcare Hardware Catalog 90712 for more details

7800/8200 ANTI-VANDAL TRIM (AV)

Designed for exterior doors that require extra security or resistance to vandalism. AV anti-vandal trim plates have an extended lip on the active side of the door to provide extra protection for the latchbolt, deadbolt and deadlatch. A matte plastic coated grip edge provides a comfortable pull that feels good over wide temperature ranges. Fully through-bolted without exposed exterior fasteners for a clean look and increased security.

Features

- Heavy duty 12 gauge stainless steel in 32D finish only
- Through-bolted through mortise lockbody and door for added strength
- Handed: specify RHRB or LHRB
- ADA Compliant
- Patent Pending
- Available with all inside trim except LS, FE and PT
- Options not available with AV trim: 1-, 31-, 49-, 50-, 68-, 69, 76, 77-, 85, 86, 87, DX- & SG-
- See chart to right for available functions
- For inactive door, available without protective lip
- Anti-Vandal Trim is available as a retrofit (667-_ Kit) or with the lock, as an "AV" option



667 AV RETROFIT KIT

Retrofit kits for 7800, 7900, 8200 & 9200 mortise locks 667 Kit includes:

- AV Pull
- (4) 1/4-20 screws
- (4) Cup washers
- 1SB Rosette
- Instructions & Templates

RHRB	LHRB	Functions
667-1 82-4034	667-2 82-4035	04, 06, 17, 28, 29, 30, 50, 51, 52, 91 & 92 -1 & -2 Trim has an extended lip, cylinder hole and through-bolt post for mounting Inside trim
667-3* 82-4036	667-4* 82-4037	03, 20, 21, 23, & 31 -3 & -4 Trim has an extended lip & cylinder hole for deadbolt functions only
667-5* 82-4044	667-6* 82-4045	-5 & -6 Trim is designed as a Pull does not have an extended lip or cylinder hole

* For Deadbolt Functions only without lever trim

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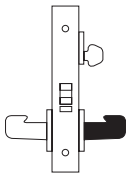
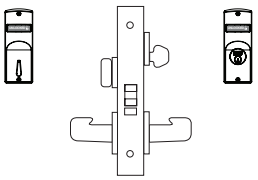
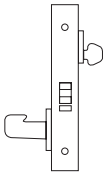
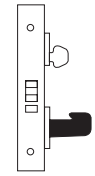
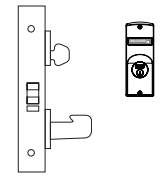
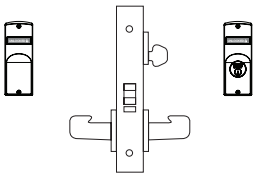
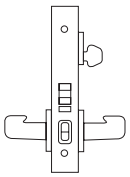
Functions & Descriptions

SARGENT
ASSA ABLOY

SINGLE CYLINDER WITHOUT DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	8204[1] 7804[2]	Storeroom or Closet	F07	• Key outside retracts latchbolt • Trim outside locked at all times • Trim inside always retracts latchbolt • Auxiliary deadlatch • A Multi-Function 8200/7800 Lockbody
	8205[1] 7805	Office or Entry	F04	• Key outside retracts latchbolt, also locks & unlocks outside trim • Trim inside always retracts latchbolt, trim outside remains locked • Thumbturn inside locks & unlocks outside trim • Auxiliary deadlatch • A Multi-Function 8200/7800 Lockbody The Multi-Function Advantage with rose trim: 1. Lock will accommodate 04, 05 & 37 functions without additional parts. 2. By adding an additional cylinder, lock will accommodate 38 function. 3. By adding a Trim One Side Kit, lock will accommodate 06, 13, 31 & 36 functions. Note: Office/Entry Function with toggle is a 55 function.
	8206 7806	Storeroom or Service	—	• No trim outside, cylinder only • Key outside retracts latchbolt • Trim inside always retracts latchbolt • Auxiliary deadlatch • A multi-function 8200/7800 lockbody • Same as 04 function without trim outside
	8231[1] 7831	Utility	—	• Key outside retracts latchbolt • Trim outside is always locked • No inside trim or cylinder • A multi-function 8200/7800 lockbody • Auxiliary deadlatch **CAUTION:** not recommended for use on any door used for life safety egress
	8236[1] 7836	Closet	—	• Key locks and unlocks trim • No inside trim or cylinder • A multi-function 8200/7800 lockbody • Auxiliary dead latch **CAUTION:** not recommended for use on any door used for life safety egress
	8237[1] 7837[2]	Classroom	F05	• Key outside retracts latchbolt, also locks & unlocks outside trim • Trim inside always retracts latchbolt • Auxiliary deadlatch • A multi-function 8200/7800 lockbody
	8255 7855	Office or Entry	—	• Key outside retracts latchbolt • Trim inside always retracts latchbolt, outside trim remains locked • Trim outside is locked & unlocked by the toggle only • Auxiliary deadlatch

1 8200 Available with Freewheeling Trim
2 7800 Available with Push/Pull Trim

If shaded, knob or lever rigid at all times

Indicator options available for both sectional and escutcheon trim.

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Functions & Descriptions

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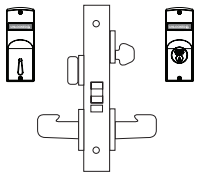
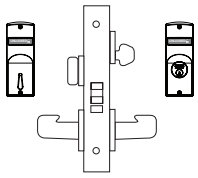
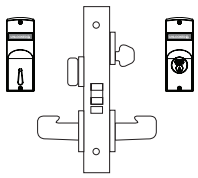
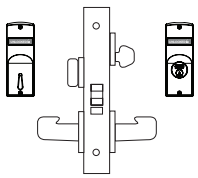
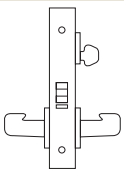
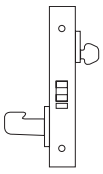
SINGLE CYLINDER WITHOUT DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	8256 7856	Office & Inner Entry Lock	—	• Key outside retracts latchbolt • Trim inside always retracts latchbolt and unlocks outside trim • Trim outside is locked by thumbturn or key • Auxiliary deadlatch
	8257 7857	Institutional Privacy	—	• Key outside retracts latchbolt, overriding thumbturn when held in locked position • Thumbturn inside locks & unlocks outside trim • Trim outside unlocks when the door closes or operating trim inside • Trim inside always retracts latchbolt • Auxiliary deadlatch Note: Key locks & unlocks trim outside
	8258 7858	Institutional Privacy	—	• Key outside retracts latchbolt, overriding thumbturn when held in locked position • Thumbturn inside locks & unlocks outside trim • Trim outside does not unlock when the door closes • Trim outside unlocks when operating trim inside • Trim inside always retracts latchbolt • Auxiliary deadlatch Note: Key locks & unlocks trim outside
	8267 7867	Institutional Privacy	F26	• Key outside retracts latchbolt, overriding thumbturn when held in locked position • Thumbturn inside locks & unlocks outside trim • Trim outside unlocks when the door closes or operating trim inside • Trim inside always retracts latchbolt • Auxiliary deadlatch Note: Key does not lock trim outside, only unlocks it
	8289	Holdback	F06	• Key outside retracts latchbolt, also locks & unlocks outside trim • Trim inside always retracts latchbolt • Auxiliary deadlatch • Latch holdback — to set, rotating & hold lever, then rotate key twice toward latchbolt. Lever will remain in rotated position indicating it is unlocked
	8291	All Purpose Holdback	—	• Key outside retracts latchbolt • Key outside can lock latchbolt in retracted position • Trim inside always retracts latchbolt • No outside trim • Auxiliary deadlatch • Latch holdback — set by rotating & holding trim, then rotate key toward latchbolt. Lever will remain in rotated position for unlocked indication

Indicator options available for both sectional and escutcheon trim.

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Functions & Descriptions

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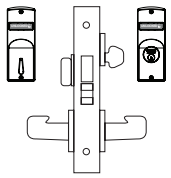
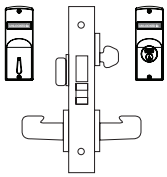
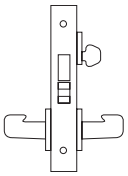
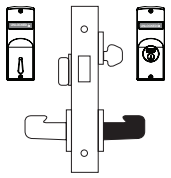
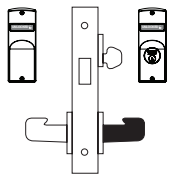
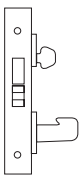
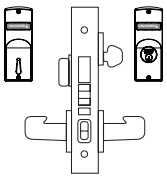
SINGLE CYLINDER WITH DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	8224[1] 7824[2]	Room Door	F21	• Key outside or thumbturn inside retracts and projects deadbolt • Trim either side retracts latchbolt • Latchbolt & deadbolt operate independently of each other **CAUTION:** Not recommended for use on any door used for Life Safety egress
	8225[1] 7825	Dormitory or Exit	F13	• Key outside or thumbturn inside retracts and projects deadbolt • Trim from either side retracts latchbolt, when the deadbolt is in the retracted position • Trim outside is locked, when the deadbolt is projected • When deadbolt is projected, Trim inside retracts latchbolt and deadbolt simultaneously, unlocking outside trim
	8227 7827	Closet or Storeroom	—	• Key outside retracts and projects deadbolt • Trim from either side retracts latchbolt • Same as 24 function without thumbturn • Latchbolt & deadbolt operate independently of each other **CAUTION:** Not recommended for use on any door used for Life Safety egress
	8228 7828	Dummy Trim Deadlock	—	• Deadbolt operation only • Key outside retracts and projects deadbolt • Trim inside always retracts deadbolt • Trim outside is always locked • Thumbturn inside retracts and projects deadbolt Note: Indicator shows deadbolt position only
	8230 7830	Dummy Trim Deadlock	—	• Deadbolt operation only • Key outside retracts and projects deadbolt • Trim inside always retracts deadbolt • Trim outside is always locked • Same as 28 Function without a thumbturn Note: Indicator shows deadbolt position only
	8235[1] 7835	Storeroom	—	• Key outside retracts and projects deadbolt • Trim outside retracts latchbolt, except when deadbolt is projected • No inside trim or cylinder **CAUTION:** Not recommended for use on any door used for Life Safety egress
	8243 7843[2]	Apartment Corridor Door	F20	• Key and thumbturn both retract & project the deadbolt • Trim outside is locked by toggle or projecting deadbolt • Trim outside is unlocked by toggle only • Key retracts both latchbolt and deadbolt, trim outside remains locked • Trim inside always retracts latchbolt (and deadbolt simultaneously), trim outside remains locked • Auxiliary deadlatch

1 8200 Available with Freewheeling Trim
2 7800 Available with Push/Pull Trim

If shaded, knob or lever rigid at all times

Indicator options available for both sectional and escutcheon trim.

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Functions & Descriptions

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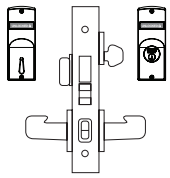
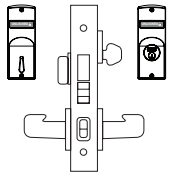
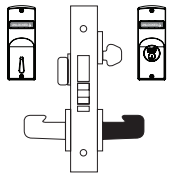
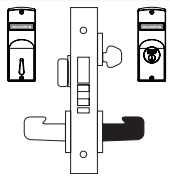
SINGLE CYLINDER WITH DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	8245 7845[2]	Dormitory or Exit	F12	• Key and thumbturn both retract & project deadbolt • Trim outside is locked by toggle or projecting deadbolt • Trim outside is unlocked by toggle only • Key retracts both latchbolt and deadbolt, trim outside remains locked • Trim inside always retracts latchbolt (and deadbolt simultaneously), trim outside remains locked • Same as an 8243 without Auxiliary Deadlatch Note: Indicator shows deadbolt position only
	8247 7847	Front Door or Apartment Corridor Door	F08/F10	• Key and thumbturn both retract & project deadbolt • Trim outside is locked by toggle or projecting deadbolt • Trim outside is unlocked by toggle only • Key retracts both latchbolt and deadbolt, trim outside remains locked • Trim inside retracts latchbolt only, deadbolt is retracted manually & trim outside remains locked NOTE: INDICATOR SHOWS DEADBOLT POSITION ONLY **CAUTION:** Not recommended for use on any door used for Life Safety egress
	8250[1] 7850[2]	Hotel Guest	F15	• Hotel Cylinder (50 Function) Required (Standard & Emergency Keys) • Standard Key retracts latchbolt only, will not retract or project deadbolt • Emergency Key (P/N 7268EMK ordered separately) will retract latchbolt & deadbolt and also project deadbolt • Thumbturn retracts & projects deadbolt • Trim inside retracts latchbolt & deadbolt simultaneously • Trim outside is always locked • Auxiliary deadlatch • Available with Conventional, LFIC (60- & 63-), Degree (60-, 63-, & 64-) and Keso (82- & F1-82-) key systems Note: Indicator shows deadbolt position only
	8251[1] 7851	Storeroom Deadbolt	—	• Key and thumbturn both retract & project the deadbolt • Key will also retract latchbolt • Trim inside retracts latchbolt & deadbolt simultaneously • Trim outside is always locked • Auxiliary deadlatch • Same as 50 function with a standard cylinder Note: Indicator shows deadbolt position only

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2 7800 Available with Push/Pull Trim

If shaded, knob or lever rigid at all times

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Functions & Descriptions

SARGENT
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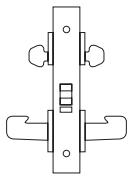
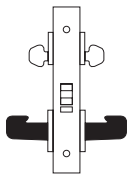
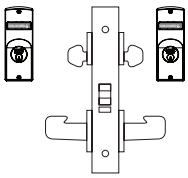
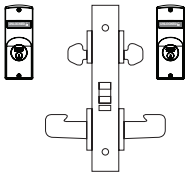
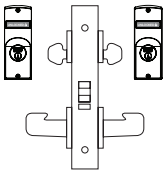
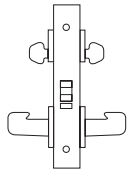
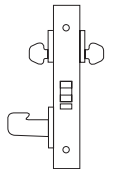
DOUBLE CYLINDER WITHOUT DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	8216[1] 7816[2]	Apartment, Exit or Public Restroom	F09	• Key outside retracts latchbolt • Key inside is required to lock and unlock trim outside • Trim inside always retracts latchbolt • Auxiliary deadlatch • Special -105 cam, required for inside cylinder (supplied)
	8217 7817[2]	Asylum or Institutional	F30	• Key from either side retracts latchbolt • Trim on both sides are locked at all times • Auxiliary deadlatch **CAUTION:** Not recomminended for use on any door used for Life Safety egress
	8238[1] 7838	Classroom Security Intruder Latchbolt	F32	• Key from either side locks & unlocks outside trim • Key from either side retracts latchbolt • Trim outside retracts latchbolt, except when locked • Trim inside always retracts latchbolt • A Multi-Function 8200/7800 Lockbody • Auxiliary deadlatch
	8242[1]	Classroom Security Intruder Latchbolt	—	• **Handed function; handing must be specified. This function is NOT field reversible for handing.** • Key inside only locks outside trim (does not unlock) • Key outside locks and unlocks outside trim • Key outside retracts latchbolt • Trim outside retracts latchbolt, except when locked • Trim inside always retracts latchbolt • Auxiliary deadlatch
	8259	Double Locking	—	• Key from either side locks & unlocks both the inside & outside trims • Key from either side retracts latchbolt • Key from either side can retract latchbolt without unlocking trims • Auxiliary deadlatch **CAUTION:** Not recommended for use on any door used for Life Safety egress
	8290	Classroom Security Holdback	—	• Key from either side retracts latchbolt, also locks & unlocks outside trim • Latchbolt can be locked in the retracted position by key from either side • Trim inside always retracts latchbolt • Auxiliary deadlatch • Latch holdback — to set, rotating & hold lever, then rotate key twice toward latchbolt. Lever will remain in rotated position indicating it is unlocked
	8292 7892	All Purpose Holdback	—	• Key outside retracts latchbolt • Key inside can lock latchbolt in retracted position when the lever is rotated • Trim inside always retracts latchbolt • No outside trim • Auxiliary deadlatch • 7892 "T" turn is used in place of knob (32 or 32D only) • Special -105 cam required for inside cylinder (Supplied Standard) • Latch holdback — to set, rotating & hold lever, then rotate key twice toward latchbolt. Lever will remain in rotated position indicating it is unlocked

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2 7800 Available with Push/Pull Trim

If shaded, knob or lever rigid at all times

Indicator options available for both sectional and escutcheon trim.

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Functions & Descriptions

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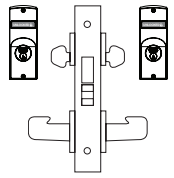
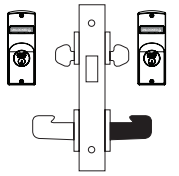
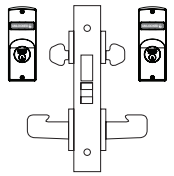
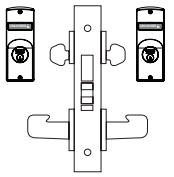
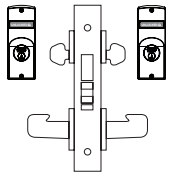
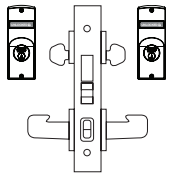
DOUBLE CYLINDER WITH DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	8226[1] 7826[2]	Store Door	F14	• Key from either side retracts & projects deadbolt • Trim from either side retracts latchbolt • Latchbolt and deadbolt are independent of each other **CAUTION:** Not recommended for use on any door used for Life Safety egress
	8229 7829	Dummy Trim Deadlock	—	• Deadbolt operation only • Key on either side retracts & projects deadbolt • Trim inside retracts deadbolt • Trim outside is always locked Note: Indicator shows deadbolt position only
	8239[1] 7839	Classroom Security Intruder Deadbolt	F33	• Key either FROM side retracts or projects deadbolt which also unlocks or locks outside trim • Trim outside retracts latchbolt, except when locked • Trim outside is only locked by projecting the deadbolt • Trim inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside trim
	8240[1] 7840	Classroom Security Intruder Deadbolt	F34	• Key FROM either side retracts or projects deadbolt which also unlocks or locks outside trim • Trim outside retracts latchbolt, except when locked • Trim outside is only locked by projecting the deadbolt • Trim inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside trim • Auxiliary deadlatch • Same as an 8239 with Auxiliary deadlatch
	8241 7841	Classroom Security Intruder Deadbolt	—	• Key from either side retracts and projects deadbolt • When deadbolt is projected, 1st key rotation retracts deadbolt, 2nd key rotation unlocks trim outside • Key retraction of latchbolt from either side unlocks trim outside • Trim outside retracts latchbolt, except when locked • Trim inside (when deadbolt is projected) retracts both latchbolt and deadbolt simultaneously and the outside trim remains locked • Auxiliary deadlatch
	8246 7846	Dormitory or Exit	—	• Key from either side retracts and projects deadbolt • Key from either side retracts both latchbolt and deadbolt, trim outside remains locked • Trim outside is locked by toggle or projecting deadbolt • Trim outside is unlocked by toggle only • Trim inside (when deadbolt is projected) retracts both latchbolt and deadbolt simultaneously and the outside trim remains locked Note: Indicator shows deadbolt position only

1 8200 Available with Freewheeling Trim
2 7800 Available with Push/Pull Trim

If shaded, knob or lever rigid at all times

Indicator options available for both sectional and escutcheon trim.

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Functions & Descriptions

SARGENT
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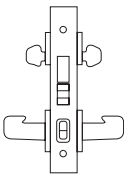
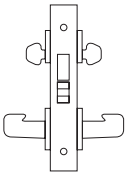
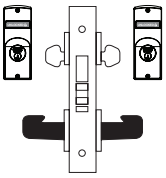
DOUBLE CYLINDER WITH DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	8248 7848	Store Door	F25	• Key from either side retracts and projects deadbolt • Key from either side retracts latchbolt • Trim outside is locked by toggle or projecting deadbolt and unlocked by toggle only • Trim inside (when deadbolt is projected) retracts latchbolt only, and outside trim remains locked **CAUTION:** Not recommended for use on any door used for Life Safety egress
	8249 7849	Security Deadbolt	—	• Key from either side retracts and projects deadbolt • Key from either side retracts latchbolt • Trim inside & outside are locked only when deadbolt is projected **CAUTION:** Not recommended for use on any door used for Life Safety egress
	8252 7852	Institutional Deadbolt	—	• Key from either side retracts and projects deadbolt • Key from either side retracts latchbolt • Trim inside and out are always locked • Auxiliary deadlatch Note: Indicator shows deadbolt position only **CAUTION:** Not recommended for use on any door used for Life Safety egress

If shaded, knob or lever rigid at all times

Indicator options available for both sectional and escutcheon trim.

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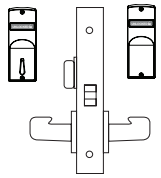
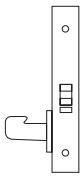
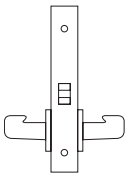
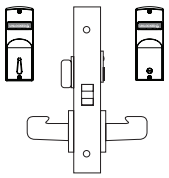
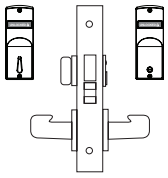
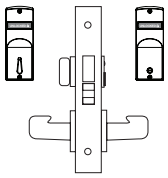
Functions & Descriptions

SARGENT
ASSA ABLOY

NON-KEYED

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	8212 7812	Passage with Indicator	—	• For doors with indicator that do not require locking • Latchbolt retracted by trim either side at all times • Throwing thumbturn on inside changes state of status indicator • Rotating either trim returns indicator to previous state Note: Only available with "V" series indicators. Indicator option code must be specified with this function
	8213 7813	Exit Latch	F31	• No outside trim or cylinder • Trim inside retracts latchbolt • A Multi-Function 8200/7800 Lockbody • Auxiliary deadlatch
	8215 7815[2]	Passage or Closet	F01	• Trim from either side retracts latchbolt at all times
	8265[1] 7865[2]	Privacy Bath/ Bedroom	F22	• Trim outside retracts latchbolt except when locked by thumbturn • Trim inside retracts latchbolt and unlocks outside trim • Emergency Release locks/unlocks trim outside-by coin, screwdriver or Emergency key (14-0057) ordered separately • Thumbturn locks and unlocks trim outside • Closing the door will unlock outside trim
	8266[1] 7866	Privacy Bath/ Bedroom	F19	• Trim outside retracts latchbolt except when deadbolt is projected • Trim inside retracts both latchbolt and deadbolt simultaneously, unlocking the outside trim • Emergency Release retracts and projects deadbolt — by coin, screw driver or Emergency key (14-0057) ordered separately • Thumbturn retracts and projects deadbolt
	8268 7868	Privacy Bath/ Bedroom	F02	• Trim from either side retracts latchbolt at all times • Thumbturn retracts and projects deadbolt • Emergency release retracts and projects deadbolt – by coin, screwdriver or Emergency key (14-0057) ordered separately • Latchbolt and deadbolt are independent of each other **CAUTION:** Not recommended for use on any door used for Life Safety egress

1 8200 Available with Freewheeling Trim
2 7800 Available with Push/Pull Trim

If shaded, knob or lever rigid at all times

Indicator options available for both sectional and escutcheon trim.

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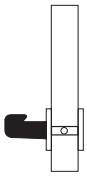
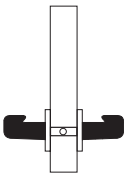
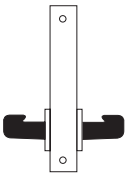
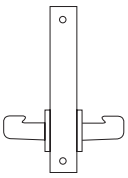
Functions & Descriptions

SARGENT
ASSA ABLOY

NON-KEYED

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	8293 7893	Trim Dummy	—	• Trim on inside of door is always rigid • Trim only used as door pull • For double door applications, installed on the inactive door, use template #4298 to accept latchbolt from active door Note: Lever is through-bolted
	8294 7894	Trim Dummy	—	• Trim on both sides are always rigid • Trim only used as door pull • Recommended for double door applications on the inactive door, use template #4298, to accept latchbolt from active door Note: Lever not surface mounted
	8295 7895	Single Trim Dummy	—	• Trim inside only • Trim is always rigid • Includes lock case and armor front • Not recommended on double door applications (will not accept latchbolt from active door)
	8296 7896	Double Trim Dummy	—	• Trim on both sides of the door • Both trims are always rigid • Includes lock case and armor front • Not recommended on double door applications (will not accept latchbolt from active door)
	8297 7897	Active Trim Dummy	—	• Trim on both sides are active • Includes lock case and armor front • Not recommended on double door applications (will not accept latchbolt from active door)

If shaded, knob or lever rigid at all times

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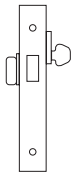
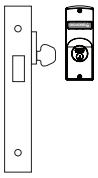
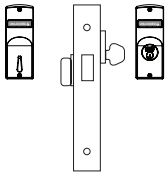
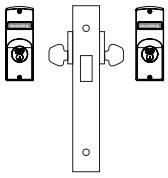
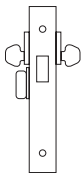
Functions & Descriptions

DEADBOLT ONLY

CAUTION: Deadbolt only functions not recommended for use on any door used for Life Safety egress

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	8203	Classroom Deadlock	F29	• Deadbolt operation only • Key outside retracts and projects deadbolt • Thumbturn inside retracts deadbolt only, will not project it
	8220	Deadlock	F18	• Deadbolt operation only • Key outside retracts and projects deadbolt • No inside operation
	8221	Deadlock	F17	• Deadbolt operation only • Key outside retracts and projects deadbolt • Thumbturn inside retracts and projects deadbolt
	8222	Deadlock	F16	• Deadbolt operation only • Key outside or inside retracts and projects deadbolt
	8223	Classroom Deadlock	—	• Deadbolt only operation • Key outside or inside retracts and projects deadbolt • Thumbturn inside retracts deadbolt, does not project deadbolt • Same as 03 function with cylinder inside • Not Available with Behavioral Health Trim

Indicator options available for both sectional and escutcheon trim.

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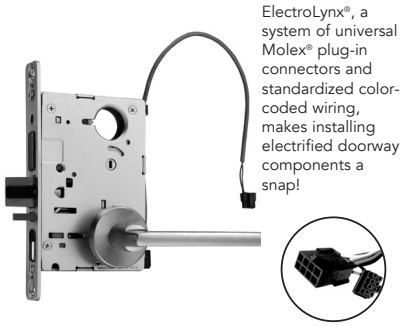
Electromechanical Functions

SARGENT 8200 Electromechanical Mortise locks are designed to handle single opening, stand alone applications, or can be readily integrated into sophisticated access control systems. They meet ANSI/BHMA A156.13 Grade 1 requirements, are UL listed on fire doors, and satisfy industry standards for operating temperature, shock and fire hazard.

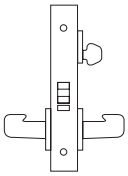
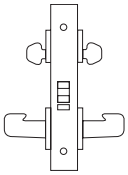
FEATURING ECOFLEX®

- Reduces energy consumption up to 92%, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership



ElectroLynx®, a system of universal Molex® plug-in connectors and standardized color-coded wiring, makes installing electrified doorway components a snap!

FUNCTIONS

Inside Outside	Function	Type	Function Description
	8270 8271	Fail Safe Fail Secure	• 70 function — Power ON, locks outside lever • 71 function — Power ON, unlocks outside lever • Specify voltage: 12VDC or 24VDC (operates from 12-24VDC) • Key outside retracts latchbolt • Lever outside retracts latchbolt, except when locked • Lever outside can only be locked electronically • Lever inside always retracts latchbolt • Auxiliary deadlatch • Available with Latchbolt Monitor (LX-), Request to Exit (RX-), and/or MELR (56-)
	8272 ◊8273	Fail Safe Fail Secure	• 72 function — Power ON, locks both levers • 73 function — Power ON, unlocks both levers • Specify voltage: 12VDC or 24VDC (operates from 12-24VDC) • Key on either side retracts latchbolt • Lever from either side retracts latchbolt, except when levers are locked • Both Levers can only be locked & unlocked electronically • Levers can not be locked separately, only together • Auxiliary deadlatch • Available with Latchbolt Monitor (LX-), Request to Exit (RX-), and/or MELR (56-)

◊**CAUTION**: Not recommended for use on any door used for Life Safety egress

ELECTRICAL SPECIFICATIONS:

Voltage: Operates from 12-24VDC Regulated. Full wave rectification installed inside the lockbody.

Current:

- Actuator draw = .015 Amp continuous
- Maximum (2) locks per 1 Amp power supply (1/2 Amp peak current draw)

Operating Temp.: Max. 151°F (66°C), Min –31°F (-35°C)

UL and CUL listed for use on Fire Doors

Note: Repeated operation at voltage exceeding +/- 10% is not recommended

WARNING:

- **Do not** connect locks to a circuit sharing an additional electromagnetic device as the lock may be damaged
- Transient voltage must be suppressed at the source or before connecting with the lock
- Varistor rated at 35 volts (peak) may be used for transient voltage protection

Note: Opening the lockbody or the actuator replacement in the field by non-authorized personnel voids UL label and lock warranty

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Motorized Electric Latch Retraction

8200 SERIES WITH MOTORIZED ELECTRIC LATCH RETRACTION

The Motorized Electric Latch Retraction (56-) mortise lock is designed for commercial, institutional, and industrial facilities for access control of openings where code compliance, dependable operation and resistance to physical abuse is required.

This unique option brings motorized electric latch retraction to passage, storeroom, institutional or electromechanical function mortise locksets. The 8200 Series MELR mortise lock is the perfect solution for push-pull conditions or handicap access and is ideal for use with automatic operators to facilitate accessibility/ ADA compliance and possible hands-free access.

FEATURES

- Latchbolt retracts in ½ of a second with applied power. Removing power allows latch to be projected back to the extended position.
- Request to Exit available as an option**
- Latchbolt Monitor available as an option
- No heating detectable with extended latch holdback
- Field reversible for handing
- Can be used in conjunction with any access control application using standard mortise locks
- Creates a push/pull operation that satisfies both in-swing and out-swing doors
- Access controlled via an access control system or by physical key override
- Environmentally friendly with low power requirements
- Motorized latch retraction and spring back extension provides quiet operation
- Smooth latch retraction with applied pressure of over 50lbs to the door
- Provided with Electrolynx® connectors for ease of installation
- Available with BHW, BHL and ALP behavioral health trims
- Five year limited warranty

CERTIFICATIONS

- ANSI/BHMA A156.13 Grade 1
- ANSI/BHMA A156.25
- UL/cUL Fire Rated for 3 Hour Doors
- UL294 Listed Access Control Accessory
- Windstorm (refer to local codes)

ELECTRICAL SPECIFICATIONS

- Voltage 24VDC (+10% / -15%)
- Operating current 700mA
- Hold Current 50mA

**Request to Exit (RX-) not independent when used with Motorized Electric Latch Retraction (56-)

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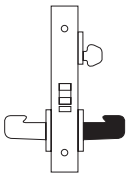
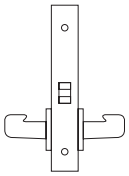
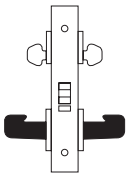
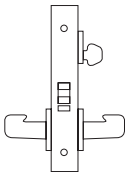
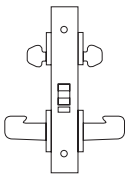
Motorized Electric Latch Retraction - Functions

Image	Function	Type	Function Description
	56-8204	Storeroom	• Power off - latchbolt extended, outside lever rigid/locked. • Power on - latchbolt automatically retracted, outside lever rigid. • Key in cylinder outside retracts latchbolt. • Rotating inside lever retracts latchbolt. • Auxiliary latch deadlocks latchbolt. • Request to Exit available - specify option RX* • Latchbolt Monitoring available - specify option LX Note: Lockbody does not have multi-function capability.
	56-8215	Passage	• Power off - latchbolt extended, both levers unlocked. • Power on - latchbolt automatically retracted. • Rotating either lever retracts latchbolt. • Request to Exit available - specify option RX* • Latchbolt Monitoring available - specify option LX
	56-8217	Asylum or Institutional	• Power off - latchbolt extended, both levers rigid/locked. • Power on - latchbolt automatically retracted, both levers rigid. • Key in cylinder either side retracts latchbolt. • Auxiliary latch deadlocks latchbolt. • Latchbolt Monitoring available - specify option LX **CAUTION:** Not recommended for use on any door used for Life Safety egress
	56-8270 56-8271	Fail Safe Fail Secure	• 70 function — Power ON, locks outside lever • 71 function — Power ON, unlocks outside lever • Latchbolt retracted when power is on and extended when power is off** • Key outside retracts latchbolt • Lever outside retracts latchbolt, except when locked • Lever outside can only be locked electronically • Lever inside always retracts latchbolt • Auxiliary deadlatch • Request to Exit available - specify option RX* • Latchbolt Monitoring available - specify option LX
	56-8272 56-8273	Fail Safe Fail Secure	• 72 function — Power ON, locks both levers • 73 function — Power ON, unlocks both levers • Latchbolt retracted when power is on and extended when power is off** • Key on either side retracts latchbolt • Lever from either side retracts latchbolt, except when levers are locked • Both Levers can only be locked & unlocked electronically • Levers can not be locked separately, only together • Auxiliary deadlatch • Request to Exit available - specify option RX* • Latchbolt Monitoring available - specify option LX

*Request to Exit signal sent when either lever operated; there is no differentiation between outside and inside lever.
**Motorized electric latch retraction operates independently from Fail Safe/Fail Secure functionality.

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High Security Monitoring

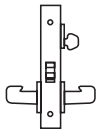
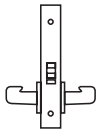
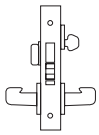
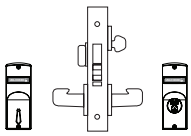
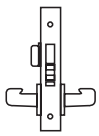
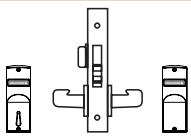
ELECTRIFIED MORTISE LOCKS WITH HIGH SECURITY MONITORING:

The SARGENT NAC-82200 Series with High Security Monitoring integrates security monitoring features directly into the lockbody, including door position and request to exit monitoring, ensuring complete control and real-time feedback. Used as a stand-alone electrified lock or in conjunction with a wall reader, these locks are ideal for facilities with strict standards for safety, compliance, and monitoring accuracy.

The NAC-82200 Series provides an ideal solution for smart privacy control and flexible integration in diverse applications, such as:
- Educational facilities
- Patient rooms
- Nursing rooms or restrooms
- Government and military controlled access zones

Every NAC lock is shipped with door position and request to exit monitoring installed. NAC locks ordered with deadbolt are supplied with deadbolt monitoring (unless ordered with PHR).

FUNCTIONS:

Inside/Outside	Function	Type		Function Description
	NAC-82270	Fail Safe	Key override, no deadbolt	• Fail Safe: Power off, unlocks outside trim • Fail Secure: Power off, locks outside trim • Key Override: Key outside retracts latch when trim is locked electronically
	NAC-82271	Fail Secure		
	NAC-82274	Fail Safe	No key override, no deadbolt	• Fail Safe: Power off, unlocks outside trim • Fail Secure: Power off, locks outside trim
	NAC-82275	Fail Secure		
	NAC-82280	Fail Safe	Key override with deadbolt	• Fail Safe: Power off, unlocks outside trim • Fail Secure: Power off, locks outside trim • Key Override: Key outside retracts latch and/or deadbolt when trim is locked electronically • Deadbolt projected and retracted by thumbturn or key • Indicator available for NAC-82281 only when used with PHR option
	NAC-82281	Fail Secure		
	NAC-82284	Fail Safe	No key override with deadbolt	• Fail Safe: Power off, unlocks outside trim • Fail Secure: Power off, locks outside trim • Deadbolt projected and retracted by thumbturn • Indicator available for NAC-82285 only when used with PHR option
	NAC-82285	Fail Secure		

Indicator options available for both sectional and escutcheon trim.

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Monitoring Options For Electrified Mortise Locks

MONITORING OPTIONS FOR ELECTROMECHANICAL AND MOTORIZED ELECTRIC LATCH RETRACTION (56-)

- Single Pole Double Throw (SPDT) type C switches
- **RX- option — Request-to-Exit or Enter Signaling Switch**
  - Two switches mounted internally in lockbody that provide independent monitoring of inside and outside lever rotation (except when used with 56-)
  - Available in all functions with non rigid levers
  - Not available for the following options: 1-, 3-, 74-
  - Not available for the following trims: LS or FE
- **LX- option — Latchbolt Monitor**
  - Single switch mounted within lockbody signaling latchbolt position
  - Available for all non deadbolt functions
  - Not available with DX- or 74-
- **DX- option — Deadbolt Monitor**
  - Switch mounted internally in lockbody that indicates deadbolt position
  - Available in all deadbolt functions
  - Not available for the following options: 3-, 74-, LX-, or 56-
  - Not available for the following functions: 70, 71, 72, 73

MONITORING OPTIONS FOR HIGH SECURITY NAC-82200

- **Internal End-of-Line Monitoring**
  Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

  Select a compatible resistor configuration and add the appropriate prefix to your order string:
  - **R01:** Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision
  - **R03:** Software House compatible 1KΩ/2KΩ resistance supervision
  - **R04:** AMAG compatible 4-state supervision
- **Deadbolt Privacy Function (PHR-)**
  - Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.
  - Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower areas
  - To order, add the PHR- prefix to your order string

  Note: PHR is only available on Fail Secure functions
- **Integrated Door Position Switch (IDP-)**
  - The patented IDP option adds a magnetic door position switch in series with the internal auxiliary latch and latchbolt position switches to provide three factor monitoring.
  - This offers added assurance that the door is secure, reduces the likelihood of attack, and is aesthetically pleasing because it conceals the door position switch behind the front plate and the magnet behind the strike.
  - To order, add the IDP- prefix to your order string

Ordering Examples:

R01-IDP-NAC-82271-12V-LN-MD-26D-LHR

R04-PHR-IDP-NAC-82281-24V-LN-MD-26D-RHR

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Electrical Requirements & Accessories

REQUIREMENTS FOR ELECTRICAL AND DATA TRANSFER

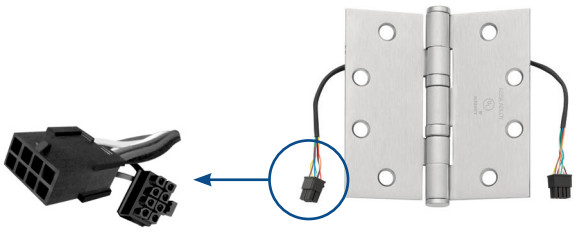
To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system. With ElectroLynx®, doorway components come pre-wired for easy hookup to the power source. The key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

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

To connect an 8200 Electrified Mortise Lock to the electronic access control system, the following items are required:
- 8200 Electrified Mortise Lock
- ASSA ABLOY Door Group pre-wired door, or ElectroLynx® retrofit cable (order from McKINNEY)
- Electronic transfer device (ElectroLynx® electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKINNEY)
- ElectroLynx® cable from the hinge to above the ceiling (order from McKINNEY)

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

McKINNEY QC8 ElectroLynx® Hinges for 8270-8274 functions and the RX- Option is recommended. McKINNEY QC12 ElectroLynx® Hinges for LX- or DX- Option is recommended.



LSP-12-24 POWER SUPPLY

Operation
LifeSafety Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components.

Features
- Selectable voltage output between 12V and 24V with a single switch
- Internal Back-Up battery charging circuit *
- Regulated and filtered, fuse protected outputs
- Each output can be individually turned on and off via a jumper
- Power status of each output is shown by an LED
- Rugged steel enclosure
- Fire alarm interface included – Dry contacts NO/NC, 9-33VDC, 3-15mA

Electrical Specifications
- Inputs: 120VAC
- Outputs: 12VDC @ 6 Amp or 24VDC @3 Amp
  – 8 Total Outputs

Listings
- UL294, UL603, UL1076
- ULC S318, ULC S319

Applications
- Fail safe mortise locks
- Fail secure mortise locks
- MELR

* Note: Batteries are not included with the power supply

Model No.	Description
LSP-12-24	12V – 6AMP / 24V – 3AMP Power Supply

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Indicators

APPLICATIONS

7800/8200 Series indicators can be used in a variety of applications and are most commonly used to identify occupancy or display the locked/unlocked status of a room.

- Restrooms
- Quiet rooms
- Nursing mother's rooms
- Classroom doors

Shown with optional directional arrow engraving

FEATURES

- Inside, outside or both sides of the door
- Sectional or escutcheon trim
- Available with 35 different functions – including thumbturn functions
- Viewing window 25% larger than competition
- Patented curved design for viewing at multiple angles
- Window located prominently above the cylinder
- Highly reflective viewing window for increased safety
- Retrofitable for existing applications

NOTE: Optional directional arrow engraving available – must specify handing. See page 38.

FUNCTIONS

- Indicators are available with the following 7800 and 8200* Series functions. See pages 18-27 for details.

05	37	52
12	38	56
20	39	57
21	40	58
22	41	59
24	42	65
25	43	66
26	45	67
28	46	68
29	47	
30	50	
36	51	

NAC-PHR-82281
NAC-PHR-82285

* Indicators can retrofit to 8200 series mortise locks manufactured from the year 2002 to present.

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Indicators

SECTIONAL TRIM

- Surface mounted
- Torx security screws provided
- Compatible with select sectional trim rose designs: O, LN, E, TR, CR, CO, TO, E2, E3
- Compatible with all thumbturn designs
- Available with optional directional arrow engraving (see page 38)
- Not compatible with BHW, BHL, or BHD trims

Specify option code when ordered with lock. See page 37 for indicator codes.

Shown with optional directional arrow engraving

RETROFIT/UPGRADE KITS

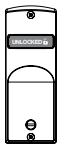
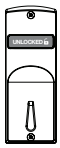
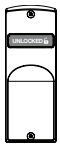
Retrofit/upgrade kits are available for existing applications only. Each kit includes single side indicator plate with mechanism, screw pack, plastic template and instructions.

To order retrofit/upgrade kits only, specify by model number below based upon function and mounting location. Door thickness and indicator option code must also be specified with kit.

Kits are handed and easily field reversible. All units are shipped from the factory with a default handing. Handing must be field verified and adjusted as needed per product installation instructions.

Retrofit/upgrade kits with directional engraving must include lock handing and lock function details.

See page 38 for how to order examples. **Note: Indicators for both sides of door require two kits.**

	Model #	Used with Functions	Available Option Codes	Indicator Location*
	SA190	20, 21, 22, 24, 25, 26, 28, 29, 30, 39, 40, 41, 43, 45, 46, 47, 50, 51, 52, PHR-NAC-82281	Outside Trim: V10, V10F, V20, V20F, V30, V40, V50, V60 Inside Trim: V01, V01F, V03, V04, V06	Inside and/or Outside per Function
	SA191	36, 56, 57, 58, 67		
	SA192	05, 37, 38, 42, 59		
	SA193	65, 66, 68	V10, V10F, V20, V20F, V30, V40, V50, V60	Outside
	SA194	21, 24, 25, 28, 43, 45, 47, 50, 51, 66, 68, PHR-NAC-82281, PHR-NAC-82285	V01, V01F, V03, V04, V06	Inside
	SA196	12, 56, 57, 58, 65, 67		
	SA198	05		
	SA197	12, 30, PHR-NAC-82285	Outside Trim: V10, V10F, V20, V20F, V30, V40, V50, V60 Inside Trim: V01, V01F, V03, V04, V06	Inside or Outside per Function

*When indicators are required on both sides of the door, 2 upgrade kits must be ordered, one kit for each side.

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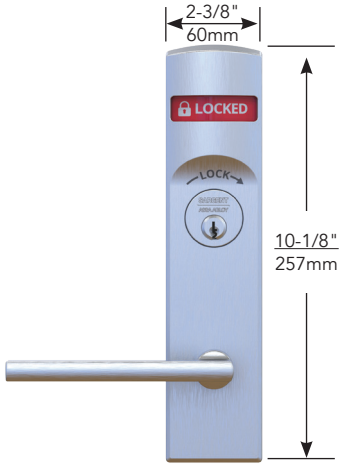
Indicators

ESCUTCHEON TRIM

- Unique escutcheon (VN1) for both inside and outside of door for indicator functions
- Non-indicator functions provide with standard escutcheons as ordered, i.e. LE1, LE2, LE3, LE4, LW1, LS or WT
- Through-bolted
- Torx security screws optional
- Compatible with all thumbturn designs
- Available with optional directional arrow engraving (See page 38)
- Not compatible with select knob/lever designs: C, MT, H001, H002, H003, H004, H005, H006, H007, H008, H011, H015, H016, H017

Specify option code when ordered with lock. See page 37 for indicator option codes.



Shown with optional directional arrow engraving

TRIM KITS

Complete trim kits are available to retrofit/upgrade existing applications.

Trim kit includes levers and escutcheons with mechanism for both sides of door, screw pack, door marker and instructions.

To order trim kit only, specify by adding option code IS and the indicator option code (see page 37 for codes) to the complete order string. The IS option code will be used for all trim kits for the VN1 escutcheon with indicators. Both inside and outside will be supplied.

Option Code	Functions
IS	All functions*

*Escutcheon indicator trim kits available for all functions as listed on page 34

Note: Escutcheon applications require both sides of the door to have the unique VN1 escutcheon. Kits will be provided as a set.

How to Order Example

Option Codes	Function	Esctucheon	Lever	Door Thickness	Hand	Finish
IS-V04-	8256*	VN1	L	1-3/4"	RH	26D

* The function of the existing lock is required so the proper escutcheons can be provided.

Office & Inner Entry Lock x escutcheon trim x inside indicator - Unlocked/Locked – Red/White x trim only.

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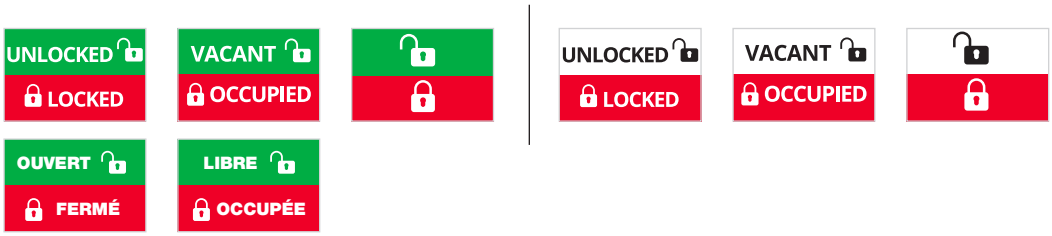
Indicators

INDICATOR OPTION CODES

7800/8200 Series indicator option codes are designed to convey wording, color and side of door desired in one simple code. To order, specify option code for complete locksets and/or retrofit/upgrade trim kits.



Single Indicator			
Option Code	**Outside Wording**	**Inside Wording**	**Color**
V10	Unlocked/Locked	No Indicator	Green/Red
V10F	Ouvert/Fermé	No Indicator	Green/Red
V20	Vacant/Occupied	No Indicator	Green/Red
V20F	Libre/Occupée	No Indicator	Green/Red
V30	Icons Only	No Indicator	Green/Red
V40	Unlocked/Locked	No Indicator	White/Red
V50	Vacant/Occupied	No Indicator	White/Red
V60	Icons Only	No Indicator	White/Red
V01	No Indicator	Unlocked/Locked	Green/Red
V01F	No Indicator	Ouvert/Fermé	Green/Red
V03	No Indicator	Icons Only	Green/Red
V04	No Indicator	Unlocked/Locked	White/Red
V06	No Indicator	Icons Only	White/Red
Double Indicator			
Option Code	**Outside Wording**	**Inside Wording**	**Color**
V11	Unlocked/Locked	Unlocked/Locked	Green/Red
V11F	Ouvert/Fermé	Ouvert/Fermé	Green/Red
V21	Vacant/Occupied	Unlocked/Locked	Green/Red
V21F	Libre/Occupée	Ouvert/Fermé	Green/Red
V33	Icons Only	Icons Only	Green/Red
V44	Unlocked/Locked	Unlocked/Locked	White/Red
V54	Vacant/Occupied	Unlocked/Locked	White/Red
V66	Icons Only	Icons Only	White/Red
Engraving			
Option Code	**Outside**	**Inside**	**Wording**
EMA	Engraving	No Engraving	"Lock" with arrow
EMB	No Engraving	Engraving	"Lock" with arrow
EMC	Engraving	Engraving	"Lock" with arrow

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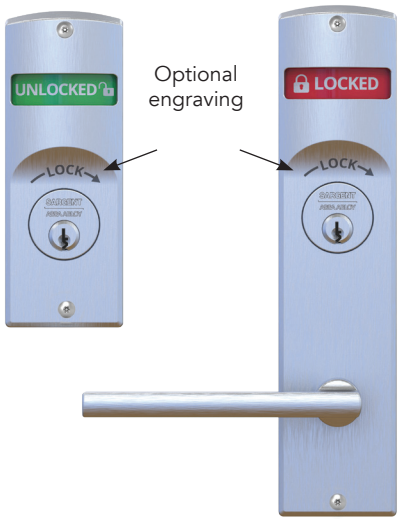
Indicators

ENGRAVING OPTIONS

- Laser engraving with "LOCK" and directional arrow
- Only available in the following finishes: 3, 4, 14, 15, 26, 26D, 32, 32D
- Available with MicroShield®
- Door handing must be specified

Option Code	Description
EMA	Engraving located on outside of door
EMB	Engraving located on inside of door
EMC	Engraving located on inside and outside of door

Note: Engraving is available as an option for all functions when ordered with an indicator. Option codes must be specified with complete lock and/or retrofit (upgrade) kits/trim. EMC is not available with sectional trim upgrade kits.



HOW TO ORDER EXAMPLES

Complete with Lock

Sectional Trim

Option Code	Function	Rose	Lever	Hand	Finish
V04	8238	O	L	RH	26D

Escutcheon Trim

Option Code	Function	Escutcheon	Lever	Hand	Finish
V54 x EMB	8265	VN1	L	RH	26D

Privacy Bedroom/Bath function x escutcheon trim x double indicator - Vacant/Occupied – Red/White (Outside) Unlocked/Locked – Red/White (Inside)

Retrofit (Upgrade)/Trim Kit Only

Sectional Trim*

Option Code	Model #	Door Thickness	Finish
V04	SA190	1-3/4"	26D

Keyed function indicator for sectional trim x single indicator inside – Unlocked/Locked – Red/White

* When indicators are required on both sides of the door, 2 upgrade kits must be ordered, one kit for each side.
All units are shipped from the factory with a default handing. Handing must be field verified and adjusted as needed per product installation instructions.

Escutcheon Trim

Option Codes	Function	Esctucheon	Lever	Door Thickness	Hand	Finish
IS-V04-	8256**	VN1	L	1-3/4"	RH	26D

Office & Inner Entry Lock x escutcheon trim x inside indicator - Unlocked/Locked – Red/White x trim only.
** The function of the existing lock is required so the proper escutcheons can be provided.

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Indicators

SECTIONAL TRIM ONLY INDICATORS

The following indicators are available with sectional trim only and have different features and options than the indicators found on pages 34-38. To order the following sectional indicators with locksets, specify option codes 49- or 50-.

49- Option Visual Status Indicator for Non Secure Applications

Inside Only

185C

- Designed to work with Classroom security functions
- Red/White indicator plate standard
- Mounts on inside of door
- Functions and Roses available:
  – 30, 36 & 37 Functions with 7800 and 8200 locks, CR, L, LN, TR, E & O Roses
  – 26, 29, 38, 39, 40 and 41 Functions with 7800 and 8200 locks & LN Roses Only
- As retrofit, order 185C x finish

49- Option Occupancy Indicator with Emergency Release

185P

- Ideal for restrooms or conference rooms where easy determination of use needs to be made
- OCC/VAC indicator plate standard
- Mounts on outside of door
- Emergency coin operated release standard
- Functions and Roses available:
  – 65, 66, 68 Functions with 7800 and 8200 locks, CR, E, L, LN, O & TR Roses
- As retrofit, order 185P x finish

50- Option Secured Indicator Rose

- Non-handed with lever and mounting posts field reversible
- VAC/OCC indicator plate standard
- Mounts on outside of door
- Available for the following functions: 24, 25, 26, 28, 29, 30, 36, 37, 38, 39, 40, 41, 43, 45, 50, 51, 52, 57, 58, 67 - with Rose Trim only
- Patent pending and/or patent www.assaabloydss.com/patents
- For retrofit, order 185S x suffix x finish:

Suffix	Door Thickness
-1	1-3/8" (35mm)
-2	1-3/4" (44mm)
-3	2" (51mm)
-4	2-1/4" (57mm)

Note: For 49- and 50- Options, key will not retract latch when used with 37 and 38 functions

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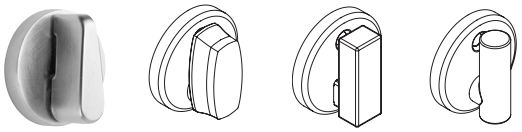
Thumbturn Designs

SARGENT
ASSA ABLOY

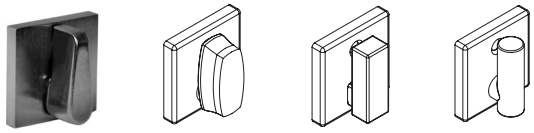
130KB Round Backplate
(Shown with Standard Turn)



T1 Turn T2 Turn T3 Turn

- Round backplate supplied standard with L, O, LN roses
- Standard turn automatically supplied with sectional trim for 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-1/2" (38mm) round brass or stainless steel plate
- Meets ADA Requirements

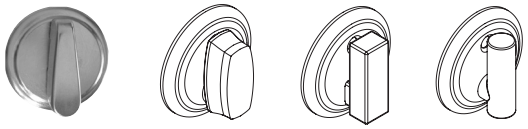
130KA Square Backplate
(Shown with Standard Turn)



T1 Turn T2 Turn T3 Turn

- Square backplate supplied standard with E, E2, E3 or E4 roses
- Standard turn automatically supplied with sectional trim for 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-1/2" (38mm) round brass or stainless steel plate
- Meets ADA Requirements

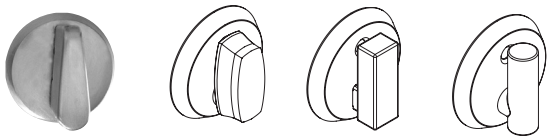
130KT Traditional Backplate
(Shown with Standard Turn)



T1 Turn T2 Turn T3 Turn

- Dual radii edge backplate supplied standard with TO and TR roses
- Standard turn automatically supplied with sectional trim for 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass plate
- Meets ADA Requirements

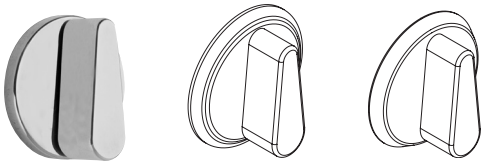
130KC Contemporary Backplate
(Shown with Standard Turn)



T1 Turn T2 Turn T3 Turn

- Beveled edge backplate supplied standard with CO and CR roses
- Standard turn automatically supplied with sectional trim for 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass or stainless steel plate
- Meets ADA Requirements

130LB Large Round Backplate
(Shown with Large ADA Turn)



130LT 130LC

- Available with 8200 with sectional trim
- 40% larger than standard thumbturn
- Specify LB as an option for ADA turn
- 2" (51mm) round brass, zinc, or stainless steel plate & turn
- 130LT - Traditional backplate, 130LC — Contemporary backplate
- Meets ADA Requirements

130KBHA Turn for use with 8200 Mortise BHW, ALP, BHL and BHD Trim

- 3-3/4" x 2-1/2" rectangular shape
- Stainless steel housing
- Meets ADA and OMH Requirements

130W Round Backplate
(Shown with Standard Turn)

- Used with 7800 with sectional trim
- 1-1/2" (38mm) round brass or stainless steel plate

126 T-Turn
(7892 function only)

- 2-3/16" (56mm) round stainless steel backplate
- 2-3/8" (61mm) tall thumbturn
- Available in stainless steel (32 or 32D) finishes only
- Surface mounted with three screws
- Order as "SST" trim with 7892 function

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Emergency Releases & Accessories

EMERGENCY RELEASES

184KB Emergency Release (used with 8200 with sectional trim)

- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only **Studio Collection Emergency Release**
- 184KC Emergency Release Contemporary
- 184KT Emergency Release – Traditional

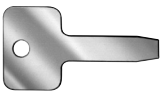
184W Emergency Release (used with 7800 with sectional trim)

- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only

184KA Emergency Release (used with E rose)

- 1-1/2" (38mm) square brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only

Emergency Key 14-0057



- Carbon steel
- For 65, 66 and 68 functions only
- Must be ordered separately

184KBHA Emergency Release (used with BHW, ALP, BHL and BHD trim)

- 3-3/4" x 2-1/2" rectangular shape
- Stainless steel housing
- Meets ADA and OMH Requirements

ACCESSORIES

130KBCVR Cap

- Thumbturn plate
- Covers hole in door when thumb turn is no longer needed

82-4023 Cap

- 2" round
- Covers hole for levers and roses

Door Thickness	Part Number
1-3/8"	82-4022
1-3/4"	82-4023
2"	82-4024
2-1/4"	82-4025

Trim One Side Kit
Refer to page 53 for a complete list of kits

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Cylinders

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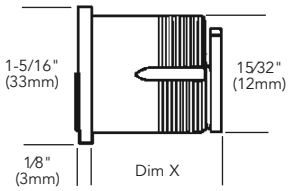
Cylinder Lengths (Dim X)

Cylinder No.	41	42	43	44	46	48	50	52	54	56
Dim X Length Under Cylinder Head	1-1/8" (29mm)	1-1/4" (32mm)	1-3/8" (35mm)	1-1/2" (38mm)	1-3/4" (44mm)	2" (51mm)	2-1/4" (57mm)	2-1/2" (64mm)	2-3/4" (70mm)	3" (76mm)

40 Series Type Cylinder

- Cylinder body: Solid brass
- Cap: Brass, bronze or stainless steel
- All functions take a Standard Cam Functions
- Standard Cam 13-0664
- 16 & 92 Inside Cam -105
- 50 Hotel Cam -115 supplied standard with all Hotel Function Cylinders



7850/8250 Function Hotel Cylinder

- When door is locked by deadbolt, only emergency key is able to unlock
- Must request emergency key separately (7268EMK x reg #)
- Supplied with Cam suffix -115 for Hotel Functions

10- Option Signature Series

- The protected system offers the building owner full control over duplication of keys. Highly pick-resistant cylinders
- 10-63- Option — Signature cylinder with Large Format Interchangeable Cores

78- Option Exposed Barrel

- Standard for use only with SARGENT Escutcheon Trims KE3, KE4, LE3, LE4
- Available 6-Pin standard or 7-Pin optional
- NOT available with 50-, 60-, 70- or other specialty or higher security options
- See function table for cam required
- Not available in 50 function
- Plug finishes: 4, 15 (similar to 26 finish)

F1-82- and 82- Option KESO

- The system offers the building owner full control over duplication of keys
- Highly pick-resistant cylinders
- Expanded levels of masterkeying
- F1-83- & 83- Option — Keso removable core
- 84- Option — Keso construction core cylinder

120 Series Mortise Turn Piece Cylinders

- Finishes: 4, 10B, 10BE, 32D, BSP
- Turn lever: Brass or bronze
- Cap: Brass, bronze, or stainless steel
- Must be ordered separately
  - 124- Turn Piece
  - 125- Turn Piece
  - 126- ADA Turn Piece
  - 127- Detachable Turn Piece

124-

125-

126-

127-

11- Option XC Key System

- Key system works with existing SARGENT keyway adding increased security
- 11- XC standard cylinder
- 11-63- Large format interchangeable core
- 11-73- Small format interchangeable core

DG1, DG2, DG3 - Degree Series

- Utility patented, bump resistant and requires the use of a patented key
- All three locking mechanisms within the same system to be operated with just one key
- See Degree Key System Catalog for available options

Not all cylinder series offered in sizes listed above, for complete cylinder information, see Cylinders & Components, Degree, Signature, Keso, Keso F1 or XC catalogs.

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Cylinders & Rosettes

51- Option Old Style Removable Core

- Available for **existing systems only** Permanent Removable Cores
- Control key used to remove core, must request control key separately

60- or 70- Option Plastic Construction Core

- For doors that do not require key locking during the construction period
- Operate with coin or flat screw driver
- For use with LFIC (removable) (60- Option) or SFIC (70- Option) core

63- Option Large Format Interchangeable (Removable) Core

- Allows immediate removal of the core. Virtually unlimited key changes
- Available 10-63-, 11-60-, 11-63- & 11-64-
- For disposable core, see 60- Option
- 64- Option- LFIC 6-Pin construction core
- Control key used to remove core, must request control key separately

7300B Interchangeable Core

- Small Format Interchangeable Core (SFIC)
- SARGENT Interchangeable Core cylinders and MasterKey Systems are available for increased security through quick change of keying. It is unnecessary to remove a cylinder
- SARGENT 7300B Interchangeable Cores are available in SARGENT 4A and 4B keyways, as well as the following standard competitor keyways: A, B, C, D, E, F, G, H, J, K, L, M
- For disposable core, see 70- Option
- 65-73 Option — 6-Pin SFIC uncombinated
- 65-73-7P Option — 7-Pin SFIC - uncombinated
- 70- Option — Disposable SFIC
- 72- Option — Construction SFIC
- 11-72- Construction core provided for use with 11-7300 cylinder housing 11-70- temporary plastic core prepared to accept 11-7300 core
- 73- Option — 6-Pin SFIC, SARGENT 4A, 4B keyways
- 73-7P Option — 7-Pin SFIC, SARGENT 4A, 4B keyways
- Control key used to remove core (ordered separately)

1SB Cylinder Collar

- Standard for 7800 BHD, 8200 BHL & BHW mortise locks
- Stainless steel
- 1-29/32" diameter
- Available in 4 sizes
- Projection from door:
  1SB-1 5/16" (8mm)
  1SB-2 7/16" (11mm)
  1SB-3 9/16" (14mm)
  1SB-4 11/16" (16mm)
- Finishes: 32, 32D

21- Option Lost Ball Construction System

- The SARGENT construction keying system protects the building owner by providing temporary masterkeying during the construction period

1KB Rosette with 8200 sectional trim

- Used with mortise cylinders and No. 90 blocking rings when cylinders project from door
- Furnished standard with L, O, LN, CO, CR, TO and TR roses
- Brass, bronze or stainless steel
- 1-1/2" (38mm) diameter, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP
- Projection from door:
  1KB-1 5/16" (8mm) — Standard
  1KB-2 7/16" (11mm)
  1KB-3 9/16" (14mm)
  1KB-4 11/16" (16mm)

1KA Rosette With 8200 Sectional Trim

- Used with mortise cylinders
- Furnished standard with the E, E2, E3 and E4 roses
- Brass, bronze or stainless steel
- 1-1/2" (38mm) Square, includes compression spring
- Projection from door:
  1KA-1 5/16" (8mm) — Standard
  1KA-2 7/16" (11mm)
  1KA-3 9/16" (14mm)
  1KA-4 11/16" (16mm)
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

No. 97 Rosette

- Standard for 7800 knob mortise & 4870 deadbolt
- Brass, bronze or stainless steel
- 1-11/16" diameter (43mm), 9/32" (7mm) projection, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP, WSP

No. 90 Blocking Ring

- Used with 1KB rosettes as spacer when mortise cylinder projects from face of door
- Brass, bronze or stainless steel
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

1KB-5 Cylinder Retaining Cap

- Required for double cylinder functions on LS Escutcheon *only*
- Steel or stainless steel
- 1-15/32" (37mm) diameter
- 9/16" (14mm) projection
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

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Rosette Requirements & Cams

Single Cylinder

Sectional Trim (CO, CR, L, LN, O, PT, SL, SN, TO, TR)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-2	1KB-1	1KB-1	N/A
42	1KB-3	1KB-2	1KB-2	1KB-1
43	1KB-4	1KB-3	1KB-3	1KB-3

Sectional Trim (E, E2, E3, E4)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KA-2	1KA-1	1KA-1	N/A
42	1KA-3	1KA-2	1KA-2	1KA-1
43	1KA-4	1KA-3	1KA-3	1KA-3

Escutcheon Trim (CE, KE1, KE2, KW1, LE1, LE2, LW1, TE)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-1	Cylinder Only	Cylinder Only	Cylinder Only
42	1KB-2	1KB-1	Cylinder Only	Cylinder Only
43	1KB-3	1KB-1	1KB-1	Cylinder Only

Escutcheon Trim (WT)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	97	Cylinder Only	Cylinder Only	Cylinder Only
42	1SB-2	97	Cylinder Only	Cylinder Only
43	1SB-3	97	97	Cylinder Only

Specialty Hardware (BHW, BHL, BHD, ALP)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1SB-2	1SB-1	1SB-1	N/A
42	1SB-3	1SB-2	1SB-2	1SB-1
43	1SB-4	1SB-3	1SB-3	1SB-3

Sectional and Escutcheon Trim with V Series Indicators

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	Cylinder Only	Cylinder Only	N/A	N/A
42	1KB-1	Cylinder Only	Cylinder Only	N/A
43	1KB-2	1KB-1	Cylinder Only	Cylinder Only

Double Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-3	1KB-2	1KB-1	N/A
42	1KB-4	1KB-3	1KB-2	1KB-1
43	97-0352	1KB-4	1KB-3	1KB-2

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KA-3	1KA-2	1KA-1	N/A
42	1KA-4	1KA-3	1KA-2	1KA-1
43		1KA-4	1KA-3	1KA-2

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-2	90 1/8	Cylinder Only	Cylinder Only
42	1KB-3	1KB-2	1KB-1	Cylinder Only
43	1KB-4	1KB-3	1KB-2	90 1/8

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1SB-2	97	Cylinder Only	Cylinder Only
42	1SB-3	1SB-2	97	Cylinder Only
43	1SB-4	1SB-2	1SB-2	97

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1SB-3	1SB-2	1SB-1	N/A
42	1SB-4	1SB-3	1SB-2	1SB-1
43	1SB-4	1SB-4	1SB-3	1SB-2

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-1	Cylinder Only	N/A	N/A
42	1KB-1	1KB-1	Cylinder Only	N/A
43	1KB-2	1KB-1	1KB-1	Cylinder Only

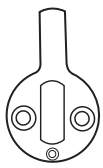
CYLINDER CAMS FOR MORTISE LOCKS

SARGENT Conventional Cylinders

- Standard

Std Cam
(13-0664)
for all functions except for 50 and the Inside cam for 16 & 92 function locks

-105 Cam
(13-0665)
16 & 92 Function Inside Cylinder Cam



-115 Cam
(13-2045)
50 Function Hotel Cam, supplied with 50 function cylinders

See Cylinder catalogs for additional information

SARGENT Large Format Interchangeable Core Cylinders

- 6300 Cams are factory installed and are not removable
- 6300 Cams are not sold separately
- Specify required Cam as a suffix: 63-44-105 cam
- For Standard Cam: no suffix is required

Std 6300 Cam
for all functions except for 50 and the Inside cam for 16 & 92 function locks

-105 Cam
for 6300 Series 16 & 92 function I/S Cylinder

-115 Cam
for 6300 Series 50 (Hotel) function, supplied with 50 function cylinders

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Strikes & Fronts

- Curved lip strikes: Brass, bronze or stainless steel
- 877 Open back strike: Brass plated
- To order strikes separately, specify strike part number and finish. Will be furnished with machine screws

- Order strike box 77-1141 separately
- All locks are packed standard with a universal non-handed curved lip ANSI 4-7/8" (124mm) strike
- Specify part number when ordering with complete lock

- Open back strike not available for deadbolt functions

Curved Lip Strike

Door Thickness	Part No.	Lip Length
1-3/8" – 1-1/2" (35mm - 38mm)	82-0109	1-1/8" (29mm)
1-5/8" – 1-3/4" (41mm – 44mm)	82-0110 Standard	1-1/4" (32mm)
1-7/8" – 2" (48mm – 51mm)	82-0111	1-3/8" (35mm)
2-1/8" – 2-1/2" (54mm – 64mm)	82-0112	1-5/8" (41mm)
2-5/8" – 3" (67mm – 76mm)	82-0113	1-7/8" (48mm)
3-1/8" – 3-1/2" (79mm – 89mm)	82-0114	2-1/8" (54mm)
3-3/8" – 4" (86mm – 101mm)	82-0115	2-3/8" (61mm)
4-1/8" – 4-1/2" (105mm – 114mm)	82-0116	2-5/8" (67mm)
4-5/8" – 5" (117mm – 127mm)	82-0117	2-7/8" (73mm)

Strike screw: 01-1019 x finish

877 Open Back Strike

- Strike handed by active leaf

Door Thickness	Part No. RHRB	Part No. LHRB
1-3/4" (44mm)	82-0332	82-0333
2" (51mm)	82-0334	82-0335
2-1/4" (57mm)	82-0336	82-0337
2-1/2" (64mm)	82-0338	82-0339
2-3/4" (70mm)	82-0340	82-0341
3" (76mm)	82-0342	82-0343

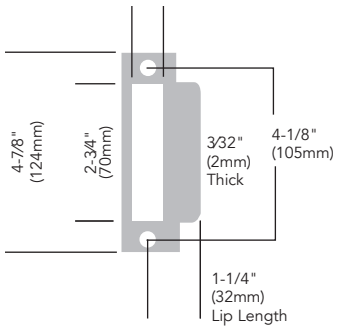
Outside Front Plate

(for 1- options fronts, consult factory)

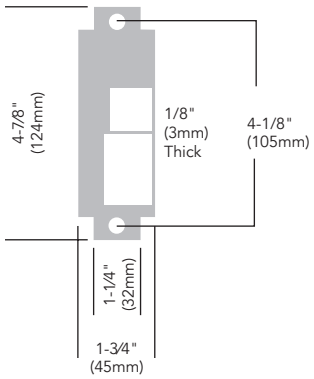
Standard 1-1/4" (32mm)	Functions
82-0080	12, 15, 65
82-0081	04, 05, 06, 13, 16, 17, 31, 36, 37, 38, 56, 57, 58, 59, 67
82-0082	03, 20, 21, 22, 23, 28, 29, 30
82-0083	24, 25, 26, 27, 35, 39, 49, 66, 68
82-0084	40, 41, 50, 51, 52
82-0086	45, 46, 47, 48
82-0087	43
82-0088	89, 90, 91, 92
82-0578	70, 71, 72, 73, 78, 79
82-0627	95, 96, 97
82-0085	55

Outside front screws: 01-1028 x finish

Curved Lip Strike (Standard)

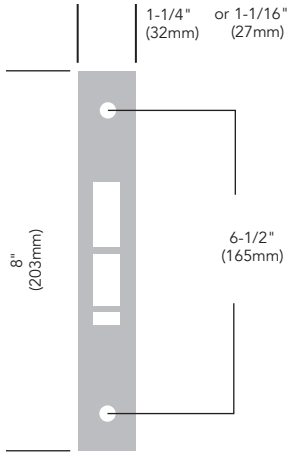


877 Open Back Strike

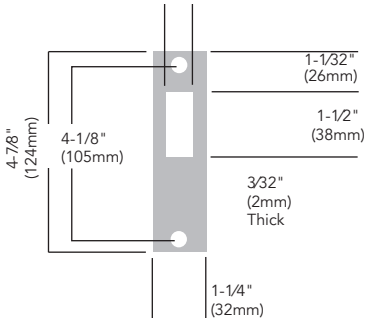


Outside Front Plate

(82-0084 shown)



78-0034 Deadbolt Strike



- Provided standard with deadlock functions 03, 20, 21, 22, 23, 28, 29, 30

77-1141 Wrought Box Strike

- For both curved and flat lip strikes
- Optional: Specify WBS- when ordering with lock
- If ordering separately, use part # 77-1141

No. 677 Rabbeted Door Kits

677 Kit adapts 7800/8200 locks for rabbeted doors consists of rabbeted strip and strike standard for 1-3/4" to 2" doors.

Specify 2-677 for 2-1/4" thick doors. Hardware finished.

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ADA and Handicap Warning

ADA AND HANDICAP WARNING

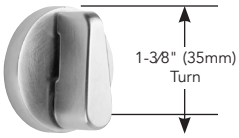
Lever Return to Door

- Lever designs H002, H005, H006, H016, J, L, MW, MZ, ND, NF, NJ, NU, P
- Lever returns within 1/2" (13mm) of door face or less
- Meets ADA Compliance for national codes

Tactile Handicapped Warning

- Abrasive Coating:
  Options 85-, 86- & 87-
  – Complete lever abrasive coated
- Milled 1/16" Grooves:
  Options 75-, 76- & 77-
  – B, E, J, L, P and W Levers — Grooves on backside surface of lever
  – F Lever — Grooves on top and bottom surface of lever

Standard Thumbturn



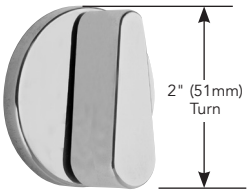
- Meets ADA Compliance for national codes
- Order as: 130KB, 130KC, 130KT, 130W or 130KA x finish

See page 40 for design

Tactile Handicapped Warning

- Knurled B & C Knobs available ; options 75-, 76-, & 77-
- Knobs are NOT ADA compliant

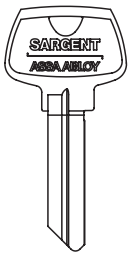
LB - Thumbturn



- Meets the tougher local ADA requirements
- 40% larger than standard thumb turn
- Order as: 130LB, 130LC or 130 LT x finish

See page 40 for design

Keys



- Large key bows are available in Sargent C family of keyways
- Standard key bows can have attachments added to increase the grip area
- Keys are NOT ADA compliant

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Mechanical Options

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MECHANICAL OPTIONS:

Available mechanical options by lock type

Categories	How to Specify	Detailed Description	8200	7800
1-3/8" Door	1-	1-1/16" (27mm) wide front for 1-3/8" (35mm) doors (not available with RX-Option) (1- for 93 + 94 function is a special order)	X	X
Add Strength	3-	Stainless steel hubs with in the mortise lock	X	—
Strike Option	23-	4-7/8" (124mm) ANSI flat lip strike	X	X
	OBS-	Open back strike	X	X
	WBS-	Wrought box strike	X	X
Thick Doors	31-	For doors 1-7/8" (48mm) to 2-1/4" (57mm) thick — see cylinder options for limitations on door thickness. When ordering the following information is required: Location of lock within the door, door thickness -IF PANELED -must specify panel thickness & panel location (inside or outside of the door) For doors thicker than 2-1/4" — consult factory.	X	X
Security Fasteners	36-	6 Lobe head security screws (Torx® type)	X	X
	37-	Spanner head security screw (not available with Studio levers)	X	X
Visual Indicators	49-	Visual Status Indicator or Occupancy indicator with emergency release (not available with escutcheon trim)	X	X
	50-	Secured indicator rose (available with rose trim only)	X	X
	V10	Single Indicator Outside - Unlocked/Locked - Green/Red	X	X
	V20	Single Indicator Outside - Vacant/Occupied - Green/Red	X	X
	V30	Single Indicator Outside - Icons Only - Green/Red	X	X
	V40	Single Indicator Outside - Unlocked/Locked - White/Red	X	X
	V50	Single Indicator Outside - Vacant/Occupied - White/Red	X	X
	V60	Single Indicator Outside - Icons Only - White/Red	X	X
	V01	Single Indicator Inside - Unlocked/Locked - Green/Red	X	X
	V03	Single Indicator Inside - Icons Only - Green/Red	X	X
	V04	Single Indicator Inside - Unlocked/Locked - White/Red	X	X
	V06	Single Indicator Inside - Icons Only - White//Red	X	X
	V11	Double Indicator - Unlocked/Locked - Green/Red (Outside) Unlocked/Locked - Green/Red (Inside)	X	X
	V21	Double Indicator - Vacant/Occupied - Green/Red (Outside) Unlocked/Locked - Green/Red (Inside)	X	X
	V33	Double Indicator - Icons Only - Green/Red (Outside) Icons Only - Green/Red (Inside)	X	X
	V44	Double Indicator - Unlocked/Locked - White/Red (Outside) Unlocked/Locked - White/Red (Inside)	X	X
	V54	Double Indicator - Vacant/Occupied - White/Red (Outside) Unlocked/Locked - White/Red (Inside)	X	X
	V66	Double Indicator - Icons Only - White/Red (Outside) Icons Only - White/Red (Inside)	X	X
Visual Indicators - French	V10F	Single Indicator Outside - Ouvert/Fermé - Green/Red	X	X
	V20F	Single Indicator Outside - Libre/Occupée - Green/Red	X	X
	V01F	Single Indicator Inside - Ouvert/Fermé - Green/Red	X	X
	V11F	Double Indicator - Ouvert/Fermé - Green/Red (outside) Ouvert/Fermé - Green/Red (inside)	X	X
	V21F	Double Indicator - Ouvert/Fermé - Green/Red (outside) Libre/Occupée - Green/Red (inside)	X	X

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Mechanical Options

Categories	How to Specify	Detailed Description	8200	7800
Engraving	EMA	Outside Engraving with "Lock" and Directional Arrow	X	X
	EMB	Inside Engraving with "Lock" and Directional Arrow	X	X
	EMC	Engraving Both Sides with "Lock" and Directional Arrow	X	X
Electrical Options	56-	Motorized Electric Latch Retraction (04, 15, 17)	X	—
	DX-	Deadbolt monitoring — Monitor deadbolt position (not available with LX-)	X	X
	LX-	Latchbolt monitor — Monitors latchbolt position (not available with deadbolt functions)	X	X
	RX-[1]	Request to Exit — Monitors each lever independently (not available with LB-option)	X	X
Lever/Knob Combination	68-	8200 Lock furnished w/lever handle outside x knob inside (not available with the AV-Option or FE Trim)	X	—
	69-	8200 Lock furnished w/lever handle inside x knob outside (not available with the AV-Option or FE Trim)	X	—
Lead Lining	74-[1]	Lead lining or wrapping available with sectional trim only (not available with DX-, LX-, RX- or 56- Options) (not available with 8293 and 8294)	X	X
Tactile Warnings	75-	Tactile Warning — Milled levers or knurled knobs. Inside trim only (not available with Studio & Coastal levers, the A lever & K, N & D knobs)	X	X
	76-	Tactile Warning — Milled levers or knurled knobs. Outside trim only (not available with Studio & Coastal levers, the A lever & K, N & D knobs)	X	X
	77-	Tactile Warning — Milled levers or knurled knobs. Inside & outside trim (not available with Studio & Coastal levers, the A lever & K, N & D knobs)	X	X
	85-[2]	Tactile Warning — Abrasive coating inside trim only (not available with D knobs)	X	X
	86-[2]	Tactile Warning — Abrasive coating outside trim only (not available with D knobs)	X	X
	87-[2]	Tactile Warning — Abrasive coating inside & outside trim (not available with D knobs)	X	X
Anti-Vandal Trim	AV-	Anti-Vandal pull trim (not available with LS & FE trim and Options 1-, 31-, 49-, 50-, 68-, 69-, 76-, 77-, 86-, 87-, DX-or SG-)	X	X
Finish Protection	CPC-	Clear Powder Coat (available for 26D & 32D finishes)	X	X
	SG-	MicroShield® antimicrobial clear powder coat (available for 26D & 32D finishes)	X	X
Thumbturns (See page 40)	LB-	ADA Extra large thumbturn; backplate matches rose design chosen	X	X
	T1-	Decorative thumbturn; backplate matches rose design chosen	X	—
	T2-	Decorative square thumbturn; backplate matches rose design chosen	X	—
	T3-	Decorative cylinder thumbturn; backplate matches rose design chosen	X	—

1 Not available in combination

2 Entire lever surface provided with abrasive coating

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Cylinder Options

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CYLINDER OPTIONS:

Categories	How to Specify	Detailed Description	Cylinder Sizes Available
Conventional Cylinder		SARGENT Conventional Cylinders supplied standard	41-44,46,48,50,52,54,56
Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (bump resistant with patented keys)	41-44, 46
	DG1-21-*	Degree Level 1 Construction Master Keying	41-44, 46
	DG1-60-	Degree Level 1 Removable Disposable Construction Core	41-44, 46
	DG1-63-	Degree Level 1 Removable Core	41-44, 46
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC	41-44, 46
	DG1-65-*	Degree Level 1 Unassembled/Uncombined Core	41-44, 46
	DG1-78-*	Degree Level 1 Exposed Plug (for use with LE3/LE4 escutcheons only)	41-43
	DG2-*	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)	41-44, 46
	DG2-21-*	Degree Level 2 Construction Master Keying	41-44, 46
	DG2-60-*	Degree Level 2 Removable Disposable Construction Core	41-44, 46
	DG2-63-*	Degree Level 2 Removable Core	41-44, 46
	DG2-64-*	Degree Level 2 Removable Construction Keyed LFIC	41-44, 46
	DG2-65-*	Degree Level 2 Unassembled/Uncombined Core	41-44, 46
	DG3-*	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)	41-44, 46
	DG3-21-*	Degree Level 3 Construction Master Keying	41-44, 46
	DG3-60-*	Degree Level 3 Removable Disposable Construction Core	41-44, 46
	DG3-63-*	Degree Level 3 Removable Core	41-44, 46
	DG3-64-*	Degree Level 3 Removable Construction Keyed LFIC	41-44, 46
Signature Key System	**10-***	SARGENT Signature Key System (not available with other key systems)	41-44,46,48,50,52,54,56
	10-21-*	SARGENT Signature Construction Key System (Lost Ball)	41-44,46,48,50,52,54,56
Signature Large Format Interchangeable Core (Removable Core)	**10-63-***	SARGENT Signature LFIC (removable) Core Cylinder	42, 43, 44 & 46
XC- Key System	**11-***	XC Key System (not available with other key systems, unless specified)	41-44,46,48,50,52,54,56
	11-21-*	XC- Construction Key System (Lost Ball)	41-44,46,48,50,52,54,56
XC- Large Format Interchangeable Core (Removable Core)	**11-60-***	Hardware to accept XC- Permanent LFIC (removable core), disposable plastic core provided	42, 43, 44 & 46
	11-63-*	Hardware provided with XC- LFIC (removable core) cylinder (Includes masterkeying, grand masterkeying)	42, 43, 44 & 46
	11-64-*	Hardware provided with keyed construction core to accept XC- LFIC (removable) permanent core ordered separately	42, 43, 44 & 46
XC- Small Format Interchangeable Cores	**11-70-7P-***	Hardware to accept XC- SFIC (7-Pin) XC- permanent cores, disposable plastic core provided	43 & 46
	11-72-7P-*	Hardware to accept XC- SFIC (7-Pin keyed construction core provided) cylinder permanent core ordered separately	43 & 46
	11-73-7P-*	Hardware provided with XC- Small format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)	43 & 46
	11-65-73-7P-*	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (permanent) core (packed loose)	43 & 46
Construction Key System	**21-***	SARGENT Lost Ball Construction keying for conventional, XC and Signature Series (N/A with 63- or 73-)	—
Old Style Removable Core	**51-***	Removable core cylinder (Old style) provided (existing systems only)	142,143,144,146
	52-*	Removable construction core (Old style) permanent core ordered separately (existing systems only)	142,143,144,146

* Options not available with 50 function lockout cylinder
Note: Interchangeable core and removable core cylinders do not meet Security Grade 1 requirements

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Cylinder Options

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CYLINDER OPTIONS:

Categories	How to Specify	Detailed Description	Cylinder Sizes Available
Large Format Interchangeable Core	**60-**	Hardware to accept SARGENT permanent LFIC (removable core), disposable plastic core provided (permanent cores ordered separately)	42, 43, 44 & 46
	63-	Hardware provided with LFIC (removable core) cylinder - (Includes masterkeying, grand masterkeying)	42, 43, 44 & 46
	64-	Hardware provided with Keyed construction core to accept LFIC (removable) permanent core (ordered separately)	42, 43, 44 & 46
Small Format Interchangeable Cores	**70-***	Hardware to accept 6- or 7-Pin SFIC permanent cores, disposable plastic core provided	43 & 46
	72-*	Hardware to accept 6- or 7-Pin SFIC (keyed construction core provided) cylinder (permanent core ordered separately)	43 & 46
	73-*	Hardware provided with 6-Pin SFIC (Includes masterkeying, grand masterkeying)	43 & 46
	65-73-*	Hardware provided to accept uncombinated 6-Pin SFIC (permanent) core — (packed loose for field keying)	43 & 46
	65-73-7P-*	Hardware provided to accept uncombinated 7-Pin SFIC (permanent) core — (packed loose for field keying)	43 & 46
	73-7P-*	Hardware provided with Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)	43 & 46
Keso & Keso F1	**81-***	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (permanent cores ordered separately)	172-174,176
	82-	Hardware provided with SARGENT Keso security cylinder	71-74,76
	F1-82-	Hardware provided with SARGENT Keso F1 security cylinder (patented)	71-74,76
	83-*	Hardware provided with SARGENT Keso security removable core cylinder	172-174,176
	F1-83-*	Hardware provided with SARGENT Keso F1 security removable core cylinder (patented)	172-174,176
	84-*	Hardware provided with SARGENT Keso construction cores (permanent cores ordered separately)	172-174,176
Additional Security	**BR-**	Bump resistant cylinder (available with conventional & conventional XC cylinders only)	—
Less Cylinder	**LC-**	Less cylinder – SARGENT supplies standard blocking rings for 1-1/8" cylinders (for longer cylinders order collars/rings separately)	—
Schlage Keyways	**SC-*^**	Schlage C keyway cylinder, 0 bitted	#41 Only
	SE-*^	Schlage E keyway cylinder, 0 bitted	#41 Only

^ Options not available with Freewheeling Trim

* Options not available with 50 function lockout cylinder

Note: When using Interchangeable Core Cylinders, the ANSI/BHMA Cylinder Grade determines the grade of the lock, even if the lock is certified ANSI/BHMA Grade 1 with a standard cylinder

Cylinder Length	SARGENT Cylinder Sizes	Keso Cylinder Sizes	Keso R/C Cylinder Sizes
1-1/8"	#41	#71	N/A
1-1/4"	#42	#72	#172
1-3/8"	#43	#73	#173
1-1/2"	#44	#74	#174
1-3/4"	#46	#76	#176
2"	#48	N/A	N/A
2-1/4"	#50	N/A	N/A
2-1/2"	#52	N/A	N/A
2-3/4"	#54	N/A	N/A
3"	#56	N/A	N/A

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How To Order, Finishes, Packaging & Security Screw Chart

HOW TO ORDER 8200 & 7800 SERIES MORTISE LOCKS

10-	82	71	12VDC	TR	MJ	15	RHR
Options*	**Series**	**Function**	**Voltage**	**Roses/ Escutcheons**	**Trim**	**Finish**	**Hand**
For all available options see Pages 47-50	82 78 Mortise Lock	Pages 18-27 for Details	12VDC 24VDC	Pages 9-12	Levers — Pages 7-11 FW Trim — Page 13, Push/Pull Trim — Page 17, Knobs — Page 14	Page 51	RHR RH
			Must be specified for Functions 70, 71, 72 & 73				LHR LH

* Multiple options can be selected

FINISHES

Standard Lever/Knob & Studio Collection Lever Trim	ALP, BHD, BHL & BHW Trim	Gramercy Series Lever Trim	8200 Coastal Series™ Trim and 8200 Freewheeling Trim	7800 Push/ Pull Trim	Description	ANSI/ BHMA
03			03	03	Polished brass, clear coated	605
04			04	04	Satin brass, clear coated	606
09			09	09	Polished bronze, clear coated	611
10			10	10	Satin bronze, clear coated	612
10B			10B	10B	Oxidized bronze, oil rubbed	613
10BE		10BE	10BE	10BE	Dark oxidized satin bronze, equivalent	(613E)
10BL			10BL	10BL	Oxidized satin, bronze, clear coated	614
14			14		Polished nickel, clear coated	618
15			15		Satin nickel, clear coated	619
20D			20D	20D	Statuary dark bronze, clear coated	624
26			26		Polished chrome	625
26D			26D		Satin chrome	626
26DSG			26DSG		Satin chrome with MicroShield®	626SG
26DCP			26DCP		Satin chrome with clear powder coat	626CP
32	32	32		32	Polished stainless steel	629
32D	32D	32D		32D	Satin stainless steel	630
32DSG	32DSG	32DSG		32DSG	Satin stainless steel with MicroShield®	630SG
32DCP	32DCP	32DCP		32DCP	Satin stainless steel with clear powder coat	630CP
BSP		BSP	BSP		Black suede powder coat	—
WSP		WSP	WSP		White suede powder coat	—

Split Finishes — specify outside finish first, then inside finish example: US26D (outside) / US04 (inside)

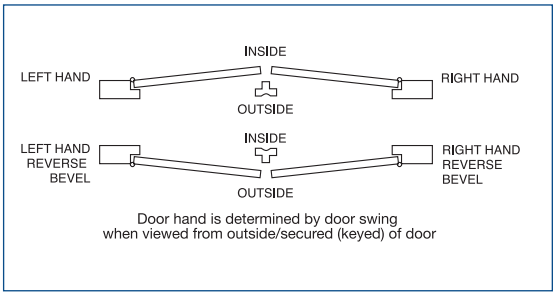
6 Lobe Torx® & Spanner Bit packs

Part Number	Descriptions
82-3855	6 Lobe Torx® Bit Pack (36-) (sizes- T8, T9, T10, T15, T20, T25, T27) 7/16" Driver
82-3856	Spanner Bit Pack (37-) (sizes- 4, 6, 8, 10, 12, 1/4") 1/4" Driver

Packaging

8205 x LNL	approx. 6.1 lbs. (2.7kg)/box	6 boxes/case
8205 x WTL	approx. 7.2 lbs. (3.1kg)/box	6 boxes/case

Door Handing



Door hand is determined by door swing when viewed from outside/secured (keyed) of door

* Multiple options available
Wrought Box Strike optional — must order with lockset as WBS- option

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How to Order Gramercy Series Levers

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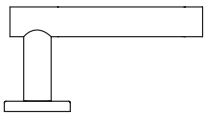
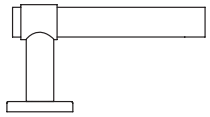
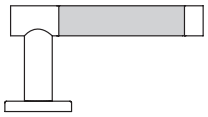
Gramercy Series Levers



REM, RGM



RCM



RAG, RAL, RAM, RAS

Gramercy Finish Codes

ANSI/BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK30, 30BN30, 29BK30, 29BN30, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Satin Metal Insert	2930 only (SEE NOTATION)
RAS	Santoprene Insert	30BK30, 29BK29, 3EBK3E, BSBKBS or WSBKWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

Notes for Two-tone finishes:
- 2930 Finish: grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32
- 3029 Finish: grip of lever is 32, balance of lever is 32D. Rose/escutcheon and lock finish will be 32D

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the ANSI/BHMA standard finish code, i.e. use “29” for polished stainless, ANSI/BHMA finish 629

How to Order 8200 Series Mortise Locks with Gramercy Levers

Options	Series	Function	Voltage	Rose/ Escutcheon	Lever	Finish	Hand
Select from pages 47-50	82	Select from pages 18-27	Specified for electrical functions	Select from pages 9-12	Leather insert	Bright stainless steel with brown leather	RHR, RH, LHR, or LH
10-	82	71	12VDC	LN	RAL	29BN29	RH

Gramercy Levers are available with E2, E3, E4, O, CO, TO, LN, CR, TR roses and CE, TE, LE1, VN1 escutcheons

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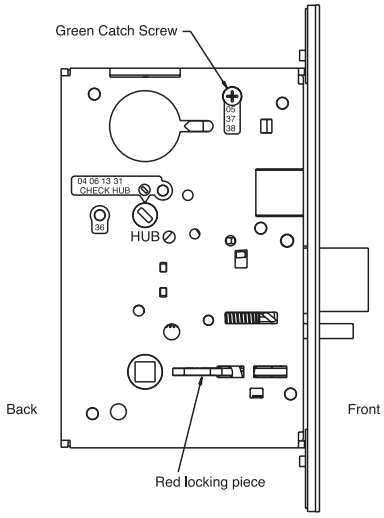
Multi-Functional Lockbody

How to Change Lock Function:

The Green Catch Screw must be located in the designated location as specified on the lock case to produce the desired function.

There are three locations: one location for 05, 37 & 38 functions; one location for 04, 06, 13, & 31 functions; and one location for 36 function.

Note: To change to functions 04, 06, 13, & 31, the hub must be at the 45° position as specified on the case before screwing in the green catch screw.



Function & Part Listing for the Multifunction Lockbody

Function	#41 Cylinder	Cyl. Collars	Lever/Knob Requirements	Thumbturn
04 Store Room / Closet (F07)	1	* 1 - 1KB	** Inside Trim Set & *** Outside Trim Set	Not used
05 Office / Entry (F04)	1	* 1 - 1KB	** Inside Trim Set & *** Outside Trim Set	++ 1
06 Store Room / Service	1	* 1 - 1KB	+ Trim One Side Kit, Inside Lever/Knob & Rose/Escutcheon	Not used
13 Communicating / Exit	Not used	Not used	+ Trim One Side Kit, Inside Lever/Knob & Rose/Escutcheon	Not used
31 Utility	1	* 1 - 1KB	+ Trim One Side Kit, Inside Lever/Knob & Rose/Escutcheon	Not used
36 Closet	1	* 1 - 1KB	+ Trim One Side Kit, Inside Lever/Knob & Rose/Escutcheon	Not used
37 Classroom (F05)	1	* 1 - 1KB	** Inside Trim Set & *** Outside Trim Set	Not used
38 Classroom Security (F32)	2	* 2 - 1KB-2	** Inside Trim Set & *** Outside Trim Set	Not used

***Cylinder Collars:** Noted are based on 1-3/4" Thick Doors with standard #41 size cylinders. Other sized doors and cylinders will required different collar sizes and possibly blocking rings - see chart on page 43 of this catalog for details
****Inside trim sets include:** Inside lever/knob, inside rose or escutcheon, trim pack (spindles, through-bolt screws, set screw, inside adapter plate assembly), trim finish screws (for escutcheons)
*****Outside trim sets include:** Outside lever/knob, outside rose or escutcheon, outside mounting plate, two through-bolt studs, washers, retaining nut, and cylinder rosettes (for cylinder functions only)
+ Trim One-Side Kit includes: adapter assembly, spindle, through-bolt screws and plate adapter assembly. An inside lever is always used with this kit and is used on either side of the door as required
++ Thumb turn: Rose trims use 130KB thumb turn for Levers, and 130W thumb turn for Knobs.
Escutcheon trims require escutcheon to be ordered according to function/design, to receive thumb turn affixed to it

	Type of Rose/Escutcheon	Kit Part Number
Trim One Side Kit	**E, O, KW, LN & LW1** (Standard trim only — not for use with Studio levers)	**82-3208**
Trim One Side Kit	**KE & LE (1 & 3)** (Standard trim only — not for use with Studio levers)	**82-3209**
Trim One Side Kit	**L Rose & WT**	**82-3210**
Trim One Side Kit	**Blank Rose (1-3/4" door)**	**82-4023**

Note: 8200/7800 Series Mortise Locks are certified for all functions including electrical functions and trims without exceptions.

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2.1 HEAVY DUTY MORTISE LOCKS

A. Heavy duty mortise locks shall be 8200/7800 Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.
B. Locks shall meet or exceed the requirements of ANSI/BHMA A156.13 Series 1000, Operational Grade 1, and Security Grade 1 with all standard trims.
C. Locks shall be easily re-handed without opening the lockbody.
D. Locks shall comply with UL 10C positive pressure requirements.
E. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of A label (3 hours) and less, for doors up to 4'0" (1.2m) x 10' 0" (3.05m) and pairs of doors 8'0" (2.4m) x 10'0" (3.05m).
F. Construction:
   1. Lock functions shall be manufactured in a single-sized case formed from 12 gauge steel minimum.
   2. Lock cases shall be closed on all sides and back.
   3. Locks shall have field adjustable, beveled, armored front, with a .125 inch (3mm) thickness minimum.
   4. Locks shall have a one piece, 3/4" inch (19mm) throw anti-friction stainless steel latch.
   5. Deadbolts, where specified, shall be full one inch (25mm) throw made of one-piece hardened stainless steel.
   6. Where required by the Federal Bureau of Prisons, locks can be furnished optionally with stainless steel hubs.
G. Locks shall have a 2-3/4" (70mm) backset, standard.
H. Strikes shall be non-handed with a curved lip.
I. To ensure proper alignment, trim, knobs or levers, shall be through-bolted and fully interchangeable between rose and escutcheon.
J. Locks shall have brass 6-Pin cylinder, standard.
K. Provide status indicators with highly reflective color and wording for "locked/unlocked" or "vacant/occupied" with customer wording options if required. Indicator to be located above the cylinder with the inside thumbturn not blocking the visibility of the indicator status. Indicator window size to be a minimum of 2.1" x 0.6" with a curved design allowing a 180 degree viewing angle with protective covering to prevent tampering.
L. Locks shall have a 10-year limited mechanical warranty, 5-year limited MELR warranty, and 2-year limited electrical warranty.
M. Behavioral Health, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to Office of Mental Health (OMH) requirements with behavioral health lever and rose trim or integrated trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and roses are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.

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2.2 ECOFLEX® ELECTRIFIED MORTISE LOCKS

A. SARGENT 8200 Electrified Mortise Locks

1. General: ANSI/BHMA certified extra heavy duty, lever type mortise lock conforming to ANSI/BHMA A156.13 Series 1000, Grade 1 requirements and ANSI A117.1 accessibility guidelines. All functions manufactured in a single sized case formed from a minimum 12 gauge steel. Lockset is field-adjustable for handing without opening the lock body with a beveled armored front that is 0.125" minimum thickness and utilizes a one-piece 3/4" anti-friction stainless steel latchbolt. To insure proper alignment, all trim, shall be thru-bolted and fully interchangeable between rose and escutcheon designs. Lock is UL listed and labeled for use on up to 3 hour fire rated openings.
   a. Backsets: 2-3/4".
   b. Deadbolt: Optional 1" throw made of stainless steel and 2 hardened steel roller inserts.
   c. Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8" beyond trim, frame or inactive leaf. Where required, provide open back strike and protected to allow practical and secure operation.
2. Provide access control mortise lock series, type and functions where specified in hardware groups, with provisions below:
   a. Emergency override access capability with key cylinder retraction of lock latch bolt without necessary electronic activation.
   b. Inside lever retracts latch and deadbolt simultaneously for free egress.
   c. Refer to "KEYING" specification section for keying system requirements.
   d. Lever and finish to match corresponding mechanical locking hardware.
3. Locking and unlocking of the lever handle by electronic operation contained completely within the body of the mortise lock.
   a. Field configurable Fail Safe/Fail Secure by means of an external DIP switch setting.
   b. Operationally voltage-insensitive 12 to 24 VDC.
   c. Energy Performance: Maximum standby current required for functional operation not to exceed 50 mA at 24 VDC limiting potential inductive kickback or the need for external diodes.
   d. Functional locking operation not affected by cable runs greater than 500 feet using a minimum 22 AWG wire.
4. Monitoring: Optional real time monitoring of latchbolt, deadbolt, door open/closed status and valid egress where specified. Valid egress signaled by activation of the Request-to-Exit (RX) micro switch integral to the inside lever of the lockset on the unsecure side of the door capable of shunting external alarms. Door open/closed status provided by monitoring the deadlatch and latchbolt in series with optional integrated magnetic door position switch.
5. Perform centralized control of the integrated locking functions by means of a single cable run to the access control panel independent of any proprietary power supplies, interface boards or controllers.
   a. End of line termination points by means of factory pre-wired Molex® connectors and harnesses.
   b. Source power electrical hard wiring and connections by others.
6. Specified Manufacturer:
   Sargent Manufacturing (SA) —
   8200 Series.

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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SARGENT®
ASSA ABLOY

PRODUCT CATALOG

9200 Series High Security Mortise Lock and M-9200 Series Mogul Institutional Mortise Lock

Experience a safer and more open world

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ASSA ABLOY

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MICROSHIELD®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

MICROSHIELD® COATING

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

agion Nature's antimicrobial The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

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WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

On The Cover

M-9225 BHD (Detention Knob)

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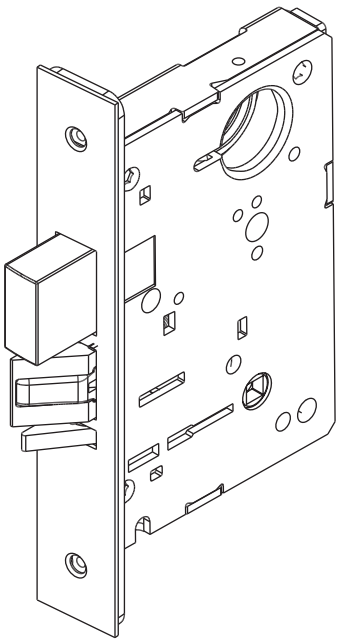
Features

9200 HIGH SECURITY MORTISE LOCK WITH BUILDERS HARDWARE CYLINDER

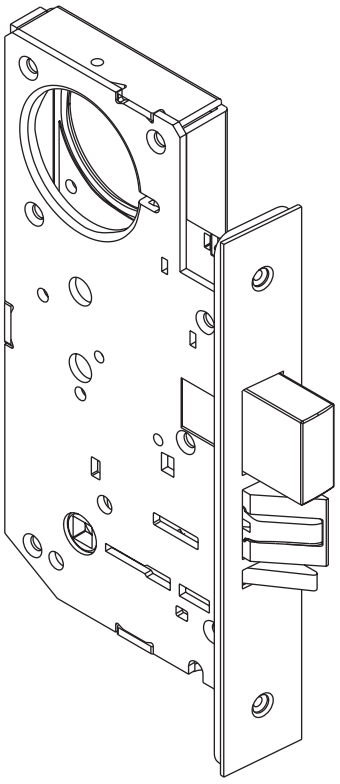
The 9200 High Security Mortise Lock is designed for use on openings that withstand extreme abuse, vandalism and malicious impact. It is well-suited for exposed perimeter doors in commercial facilities, such as warehouses, factories and malls. Psychiatric and minimum security detention facilities are also well-served with SARGENT 9200.



- Furnished standard for 1-3/4" thick doors. Available for doors up to 3" thick (For other sizes, consult factory)
- Furnished with standard SARGENT cylinders (Available with High Security Keso F1 or Signature Security Cylinders or interchangeable core cylinders)
- Masterkey, Grand Masterkey and Construction Masterkeying available
- Universal, non-handed curved lip strike
- Tapered security cylinder collar standard
- Security roses & escutcheons available

M-9200 INSTITUTIONAL MORTISE LOCK WITH MOGUL CYLINDER

The M-9200 Institutional Mortise Lock is designed for use in detention facilities, holding areas and psychiatric facilities.



- Lock face and strike fit the standard ANSI door edge and frame preparation
- Furnished standard for 1-3/4" thick doors
- Mogul Cylinders purchased separately through ASSA
- Universal, non-handed curved lip strike
- Tapered security cylinder collar standard
- Security rose trim standard
- 4 lever designs available (B,J, L & P)
- D (detention) Knob with security rose available (specify 67-, 68- or 69-)

Note: M9200 to be used on metal doors only

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Features

PHYSICAL SECURITY

High Security Mortise Locks and Institutional SARGENT® Mortise Locks are designed specifically for the commercial and institutional marketplace. High quality components provide high security, optimum performance and exceptional durability.

The 9200 Locks are also available as electromechanical locks featuring EcoFlex® technology. These locks operate from 12-24VDC and and are designed for intermittent and/or continuous duty. Full wave bridge rectification is factory installed, enabling the use of AC or DC power.

FEATURES OF THE 9200/M-9200 HIGH SECURITY MORTISE LOCKS:

- Stainless Steel 3/4" one-piece anti-friction latchbolt with hardened alloy steel latchbolt rod
- Reversible non-handed lock
- Stainless Steel non-handed deadlatch
- Hardened Stainless Steel 1" throw investment cast deadbolt
- 12 gauge heavy duty wrought steel case and cap with ZCR plating
- Cold forged hardened alloy steel hubs standard
- Inside front full 1/8" hardened high carbon steel
- All exposed screws are Torx® Security type for SN, SL and LS trims. (Torx® available for other trims, specify 36- option)
- Meets ANSI/BHMA A156.13 Series 1000 Operational Grade 1
- Meets ANSI/BHMA A156.13 Series 1000 Security Grade 1 with all standard trims
  Note: LFIC (Removable) and SFIC Cylinders do not meet Security Grade 1 requirements
- Complies with **ASTM F1577-95b Detention Locks** for Swinging Doors
  Paragraph 6.2 Level 1 Impact for deadbolt x latchbolt and deadbolt only
  Paragraph 6.2 Level 3 Impact for latchbolt only
  Paragraph 6.4 for Cylinder Cycle (ASSA V-10 and ASSA Mogul V-10)
  Paragraph 6.6 for Mechanical Release Force (ASSA V-10 and ASSA Mogul V-10)
  Paragraph 6.8 Mechanical Release Operation Cycle (ASSA V-10 and ASSA Mogul V-10)
- **Complies with ANSI/ASTM F476-84 Grade 40** with concealed mortise cylinder
- Meets UL and CUL Standard 10C Positive Pressure, Fire Test of Door Assemblies; 3 hour for single doors up to 4'0" x 10'0" and ASTM F1577-95b Paragraph 6.3
- Levers meet A117.1 Accessibility Code -ADA
- Easy operation; 30° of rotation to retract latchbolt
- Meets UL 437 for high security cylinders with ASSA V-10 and ASSA V-10 Mogul cylinders only
- Ten year limited warranty

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

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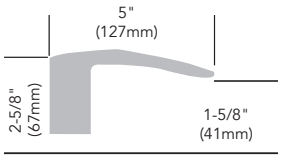
Lever Designs

- Designs J, L and P return within 1/2" (13mm) or less off door face and meet ADA Compliance for national codes
- All lever designs can be used with all standard rose and escutcheon designs

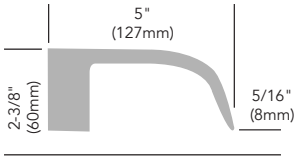
B Lever Design

- Lever: B-Solid forged or cast



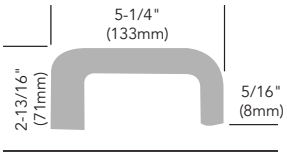
L Lever Design

- Lever: L-Solid forged or cast



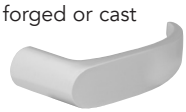
J Lever Design

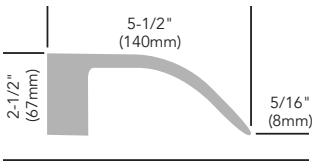
- Lever: J-Solid bar stock



P Lever Design

- Lever: P-Solid forged or cast





BHW Trim

- Available in 26 functions - see Specialty Hardware Catalog for list
- Tapered surfaces on all components
- Handed
- ADA Compliant
- Finish: 32D
- Trim only option available with existing sectional and escutcheon trim only
- Trim only kits, includes inside and outside trim. Cylinder functions include 1SB- collar for use with1-1/8" cylinders.
  694-1 Trim only, non-keyed functions
  694-2 Trim only, single cylinder functions
  694-3 Trim only, double cylinder functions
- Patent pending and/or patent www.assaabloydss.com/patents

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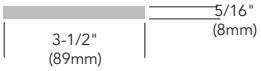
Knob & Rose Designs

SARGENT
ASSA ABLOY

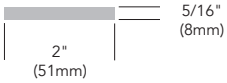
L Rose Design

- Rose: L-Heavy wrought



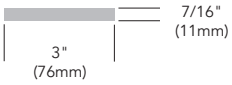
LN Rose Design

- Rose: LN-Heavy wrought



BH Rose Design

- Rose: BH-Heavy wrought
- Used with Detention Knob only



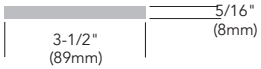
D Knob

- Available with BH or SL Roses only
- Designed for detention and psychiatric facilities
- Does not meet ADA requirements
- Must Specify 67-, 68-, & 69- Option when ordering
- Only available in 32D

Note: Rotates only in one direction (toward hinge)

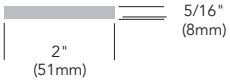
SL Rose Designs

- Security L Rose (SL) includes Torx® security screw
- Provided with Knurled Security Turn, if required by the function



SN Rose Design

- Security LN Rose (SN) includes Torx® security screw
- Provided with Knurled Security Turn, if required by the function



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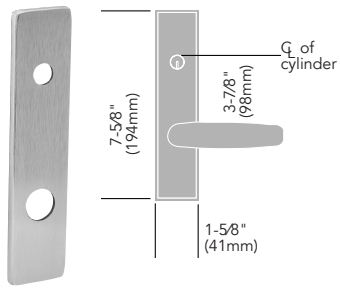
Escutcheons, Collars & Thumb Turns

ESCUTCHEONS

LE3/LE4 Escutcheon
(shown with B Lever)

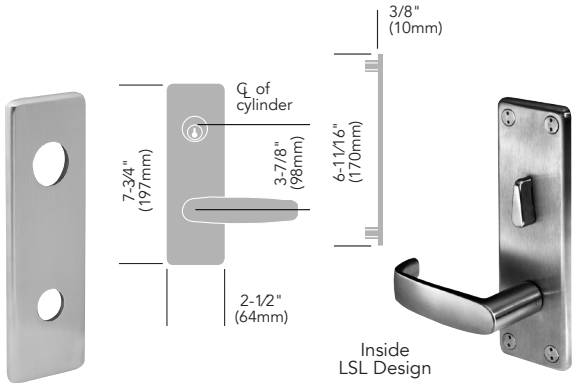
- Escutcheon with concealed cylinder, Exposed Barrel Only
- Escutcheon: LE-Forged
- LE3- (2) Exposed thru-bolt screws inside
- LE4- (2) Concealed through-bolt screws
- Not available with Mogul Cylinder (M-Option)
- **Not available with double cylinder functions and 06, 35 & 50 function locks**



LS Escutcheon
(shown with L Lever)

- Escutcheon: LS-Forged
- Security Trim
- (4) Spanner security through-bolt screws are exposed on inside escutcheon
- Double cylinder functions, cylinders protrude from escutcheon face
- Not available with Mogul Cylinder (M-Option)
- **Not available with electrical functions and 06 & 35 function locks**

Note: Only available with Cylinder Options: 10-, 11-, 21-, & BR-



THUMB TURNS AND COLLARS

130SKB Thumb Turn for 9200

130SB Thumb Turn for M-9200

130KBHA Thumb Turn for 9200

1SB Cylinder Collar for 9200

1MB Cylinder Collar for M-9200 Mogul Cylinders

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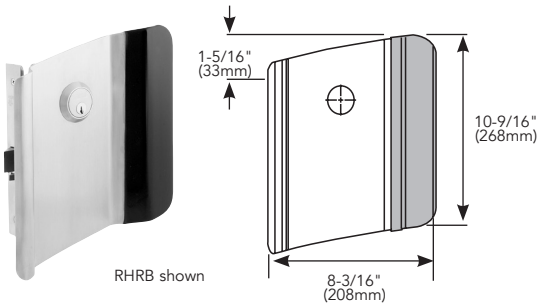
Anti-Vandal Trim

9200 ANTI-VANDAL OPTION (AV-)

Designed for exterior doors that require extra security or resistance to vandalism. Anti-vandal trim (AV) plates have an extended lip on the active side of the door providing extra protection for the latch, deadbolt and guardbolt. A matte plastic coated grip edge provides a comfortable pull appropriate over a wide temperature range. Fully through-bolted without exposed exterior fasteners for a clean look and increased security.



RHRB shown

Features

- Heavy duty 12 gauge stainless steel in 32D finish
- Through-bolted through mortise lock body and door for added strength
- Handed – Specify RHRB or LHRB
- ADA Compliant
- Patent Pending
- Not available with escutcheon trim
- Functions available: See chart to the right
- Available without protective lip for inactive doors
- To order the Anti Vandal Trim with the lock specify: AV- Option
  Example AV-8204 x LNJ x RH x 32D
- Only available in 32D finish
- To order the Anti Vandal Trim as a Kit, specify kit number 667 with suffix as required based on function and hand of the lock as seen in the chart to the right

667 AV Kit

Retrofit kits for 7800, 8200 & 9200 mortise locks

667 Kit includes:

- AV Pull (Handed)
- (4) 1/4-20 screws
- (4) Cup washers
- 1SB Rosette
- Instructions & Templates

RHRB	LHRB	Functions
667-1 82-4034	667-2 82-4035	04, 06, 17 and 50 -1 & -2 Trim has an extended lip, cylinder hole and through bolt post for mounting Inside trim
667-3 82-4036	667-4 82-4037	03, 20, 21, 22, & 23 -3 & -4 Trim has an extended lip & cylinder hole for deadbolt functions only
667-5 82-4044	667-6 82-4045	-5 & -6 Trim is designed as a Pull does not have an extended lip or cylinder hole

Note: The AV trim is not available for the M-9200's

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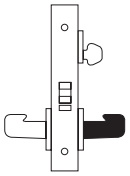
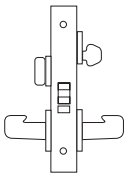
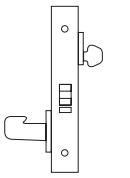
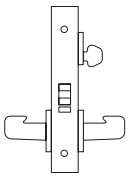
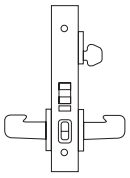
Functions

SARGENT
ASSA ABLOY

SINGLE CYLINDER WITHOUT DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	9204 M-9204	Storeroom or Closet	F07	• Key outside or lever/knob inside retracts latchbolt • Lever/knob outside rigid at all times • Lever/knob inside always retracts latchbolt • Auxiliary deadlatch
	9205 M-9205	Office or Entry	F04	• Key outside retracts latchbolt when outside Lever/knob is locked • Lever/knob inside retracts latchbolt only, outside Lever/knob remains locked • Lever/knob outside is locked/unlocked by thumb turn inside or by key outside • Auxiliary deadlatch
	9206 M-9206	Storeroom or Service	—	• No outside lever/knob, cylinder only • Lever/knob inside or key outside retracts latchbolt • Auxiliary deadlatch • Same as 04 Function without lever/knob outside
	9237 M-9237	Classroom	F05	• Key outside locks and unlocks lever/knob outside • Key outside retracts latchbolt • Lever/knob outside retracts latchbolt, except when outside lever/knob is locked by key • Lever/knob inside always retracts latchbolt • Auxiliary deadlatch
	9255 M-9255	Office or Entry	—	• Key outside retracts latchbolt when outside Lever/knob is locked • Lever/knob inside retracts latchbolt only, outside lever/knob remains locked • Lever/knob outside is locked by toggle only • Auxiliary deadlatch

✦ **CAUTION**: Not recommended for use on any door used for Life Safety egress

If shaded, knob or lever rigid at all times

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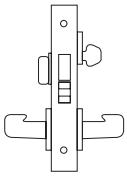
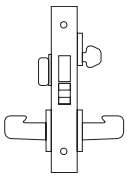
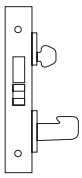
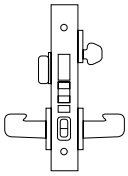
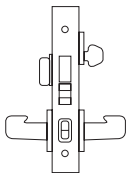
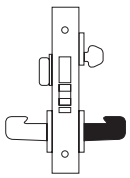
Functions

SARGENT
ASSA ABLOY

SINGLE CYLINDER WITH DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	9224✦ M-9224✦	Storeroom Door	F21	• Key outside or thumb turn inside retracts and projects deadbolt • Lever/knob either side retracts latchbolt • Latchbolt and deadbolt are independent of each other
	9225 M-9225	Dormitory or Exit	F13	• Key outside or thumb turn inside retracts and projects deadbolt • Lever/knob from either side retracts latchbolt, when the deadbolt is in the retracted position • Lever/knob outside is locked, when the deadbolt is projected • When deadbolt is projected, lever/knob inside retracts latchbolt and deadbolt simultaneously, unlocking outside lever/knob
	9235✦ M-9235✦	Storeroom	—	• Key outside retracts and projects deadbolt • Lever/Knob outside retracts latchbolt, except when deadbolt is projected • Inside: no lever/knob or cylinder
	9243 M-9243	Apartment Corridor Door	F20	• Key outside or thumb turn inside retracts and projects deadbolt • Key outside retracts both latchbolt and deadbolt, lever/knob outside remains locked • Lever/knob from either side retracts latchbolt, except when lever/knob outside is locked • Lever/knob outside is locked by toggle or projecting deadbolt • Lever/knob outside is unlocked by toggle only • Lever/knob inside (when deadbolt is projected) retracts latchbolt and deadbolt simultaneously, and lever/knob outside remains locked • Auxiliary deadlatch
	9245 M-9245	Dormitory or Exit	F12	• Key outside or thumb turn inside retracts and projects deadbolt • Key outside retracts both latchbolt and deadbolt, lever/knob outside remains locked • Lever/knob from either side retracts latchbolt, except when lever/knob outside is locked • Lever/knob outside is locked by toggle or projecting deadbolt • Lever/knob inside (when deadbolt is projected) retracts latchbolt and deadbolt simultaneously, and lever/knob outside remains locked • Same as 43 function without auxiliary deadlatch
	9250	Hotel Guest	F15	• Hotel Cylinder Required (50 Function Cylinder) with two types of Keys (Standard & Emergency) • Standard Key outside retracts latchbolt only, will not retract or project deadbolt • Emergency Key outside will retract latchbolt and deadbolt and also project deadbolt • Thumb turn inside retracts and projects deadbolt • When the deadbolt is projected, it shuts out all keys except the emergency key • Lever/knob inside retracts both latchbolt and deadbolt simultaneously • Lever/knob outside is always rigid • Auxiliary deadlatch • Not available with Mogul (M-) Option • Not available with certain key systems (See Option Chart)

✦ **CAUTION**: Not recommended for use on any door used for Life Safety egress

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Functions

SARGENT
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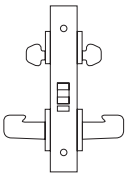
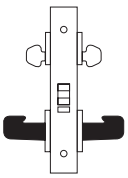
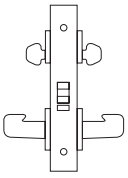
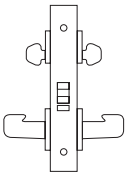
DOUBLE CYLINDER WITHOUT DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	9216	Apartment, Exit or Public Restroom	F09	• Key outside retracts latchbolt, when outside lever/knob is locked • Key inside is required to lock and unlock lever/knob outside • Lever/knob either side retracts latchbolt, unless outside lever/knob is locked by key inside • Lever/knob inside always operable • Auxiliary deadlatch • Special cam required for inside cylinder
	9217✦ M-9217✦	Asylum or Institutional	F30	• Key from either side retracts latchbolt • Lever/knob on both sides rigid at all times • Auxiliary deadlatch
	9238 M-9238	Classroom Security Intruder Latchbolt	F32	• Key from either side locks and unlocks lever/knob outside • Key from either side retracts latchbolt • Lever/knob outside retracts latchbolt, except when outside lever/knob is locked by key • Lever/knob inside always retracts latchbolt • Auxiliary deadlatch • Same as 37 function with two cylinders
	9259✦	School Security	—	• Key from either side locks and unlocks inside & outside levers/knobs • Key from either side retracts latchbolt • Key from either side can retract latchbolt without unlocking levers/knobs • Auxiliary deadlatch

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Functions

SARGENT
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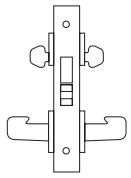
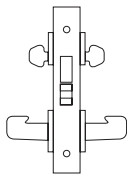
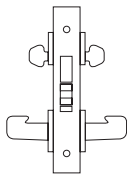
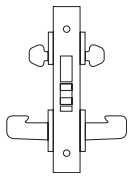
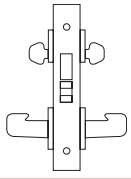
DOUBLE CYLINDER WITH DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	9226✦ M-9226✦	Store Door	F14	• Key from either side retracts and projects deadbolt • Lever/Knob from either side retracts latchbolt • Latchbolt and deadbolt are independent of each other • Same as 24 Function with two cylinder and no thumb turn
	9239 M-9239	Classroom Security Intruder Deadbolt	F33	• Key either side retracts or projects deadbolt to unlock or lock lever/knob outside • Lever/knob outside retracts latchbolt, except when outside lever/knob is locked by key • Lever/knob inside retracts both latchbolt and deadbolt simultaneously, and unlocks lever/knob outside • Same as 25 function with a cylinder inside in place of thumb turn
	9240 M-9240	Classroom Security Intruder Deadbolt	F34	• Key either side retracts or projects deadbolt to unlock or lock lever/knob outside • Lever/knob outside retracts latchbolt, except when outside lever/knob is locked by key • Lever/knob inside retracts both latchbolt and deadbolt simultaneously, and unlocks lever/knob outside • Auxiliary deadlatch • Same as 39 function with Auxiliary deadlatch
	9241	Classroom Security	—	• Key from either side retracts and projects deadbolt • Key retraction of deadbolt, lever/knob outside remains locked • Key retraction of latchbolt from either side unlocks lever/knob outside • Lever/knob outside retracts latchbolt, except when outside lever/knob is locked by key • Lever/knob outside is locked when the deadbolt is projected • Lever/knob inside (when deadbolt is projected) retracts both latchbolt and deadbolt simultaneously, and lever/knob outside remains locked • Auxiliary deadlatch
	9249✦	Security Deadbolt	—	• Key from either side retracts and projects deadbolt • Key from either side retracts latchbolt • Levers/knobs inside & outside are locked only when deadbolt is projected

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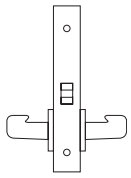
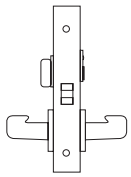
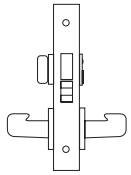
Functions

NON KEYED FUNCTIONS ARE AVAILABLE FOR 9200 SERIES ONLY

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	9215	Passage or Closet	F01	• Lever/knob from either side retracts latchbolt at all times
	9265	Privacy Bedroom or Bath	F22	• Lever/knob outside retracts latchbolt except when locked by thumb turn inside • Lever/knob inside retracts latchbolt and unlocks outside lever/knob • Emergency Release unlocks lever/knob outside • Thumb turn locks and unlocks lever/knob outside • Closing the door will unlock lever/knob outside
	9266	Privacy Bedroom or Bath	F19	• Lever/knob outside retracts latchbolt except when deadbolt is projected • Lever/knob inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside lever/knob • Emergency Release retracts and projects deadbolt • Thumb turn retracts and projects deadbolt

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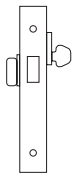
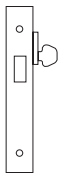
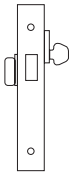
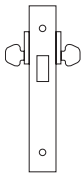
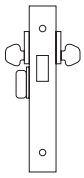
Functions

SARGENT
ASSA ABLOY

DEADBOLT ONLY

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	9203✦ M-9203✦	Classroom Deadlock	F29	• Deadbolt operation only • Key outside retracts and projects deadbolt • Thumb turn inside retracts deadbolt only, will not project it
	9220✦ M-9220✦	Deadlock	F18	• Deadbolt operation only • Key outside retracts and projects deadbolt • No inside operation
	9221✦ M-9221✦	Deadlock	F17	• Deadbolt operation only • Key outside retracts and projects deadbolt • Thumb turn inside retracts and projects deadbolt
	9222✦ M-9222✦	Deadlock	F16	• Deadbolt operation only • Key outside or inside retracts and projects deadbolt
	9223✦ M-9223✦	Classroom Deadlock		• Deadbolt only operation • Key outside or inside retracts and projects deadbolt • Thumb turn inside retracts deadbolt, does not project deadbolt • Same as 03 function with an extra cylinder inside

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Electrical Functions

SARGENT 9200 Electromechanical Mortise locks are designed to handle single openings, stand alone applications or can be readily integrated into sophisticated access control systems. They meet ANSI/BHMA A 156.13 Grade 1 requirements, are UL listed for fire doors, and satisfy industry standards for operating temperature, shock and fire hazard.

Applications: Security and restricted access areas in computer rooms, offices, equipment rooms, laboratories and hospitals. Can also be used with fire and alarm controls in buildings and stair tower doors.

FEATURING ECOFLEX®

- Reduces energy consumption up to 92%, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

Electrical Requirements:

Voltage: Operates from 12-24VDC Regulated. Full wave rectification installed inside the lockbody.

Current:

- Actuator draw = .015 Amp continuous
- Maximum (2) locks per 1 Amp power supply (1/2 Amp peak current draw)

UL and CUL listed for use on Fire Doors

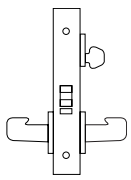
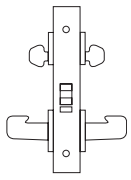
Note: Repeated operation at voltage exceeding +/- 10% is not recommended.

Warning:

- **Do not** connect locks with a circuit sharing an additional electromagnetic device as the lock may be damaged
- Transient voltage must be suppressed at the source before connecting with the lock
- Varistor rated at 35 volts (peak) may be used for transient voltage protection

Note: Opening the lockbody or actuator replacement in the field by non-authorized personnel voids UL label and lock warranty.

Functions

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	9270 9271	Electrical Fail Safe Electrical Fail Secure	—	• 70 function - Power ON, locks outside lever • 71 function - Power OFF, locks outside lever • Specify voltage: 12VDC or 24VDC (operates from 12-24VDC) • Key outside retracts latchbolt, when the lever outside is locked • Lever outside retracts latchbolt except when lever outside is lock • Lever outside can only be locked electronically • Lever inside always retracts latchbolt • Supplied with ElectroLynx® connectors • Auxiliary deadlatch
	9272 9273✦	Electrical Fail Safe Electrical Fail Secure	—	• 72 function - Power ON, locks both levers • 73 function - Power OFF, locks both levers • Specify voltage: 12VDC or 24VDC (operates from 12-24VDC) • Key on either side retracts latchbolt, when the lever are locked • Lever from either side retracts latchbolt, except when lever are locked • Lever on both sides can only be locked electronically • Lever can not be locked separately, only together • Supplied with ElectroLynx connectors • Auxiliary deadlatch

✦ **CAUTION**: Not recommended for use on any door used for Life-safety egress

Note: Electrical functions are not available with the mogul option (M-9200)

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Electrical Requirements and Accessories

LSP-12-24 POWER SUPPLY

Operation
LifeSafety Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components.

Features
- Selectable voltage output between 12V and 24V with a single switch
- Internal Back-Up battery charging circuit *
- Regulated and filtered, fuse protected outputs
- Each output can be individually turned on and off via a jumper
- Power status of each output is shown by an LED
- Rugged steel enclosure
- Fire alarm interface included – Dry contacts NO/NC, 9-33VDC, 3-15mA

Electrical Specifications
- Inputs: 120VAC
- Outputs: 12VDC @ 6 Amp or 24VDC @3 Amp
  – 8 Total Outputs

Listings
- UL294, UL603, UL1076
- ULC S318, ULC S319

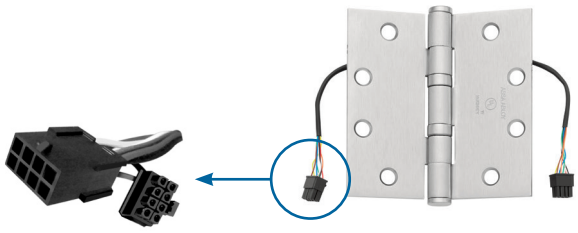
Applications
- Fail safe mortise locks
- Fail secure mortise locks

* Note: Batteries are not included with the power supply

Model No.	Description
LSP-12-24	12V – 6AMP / 24V – 3AMP Power Supply

REQUIREMENTS FOR ELECTRICAL AND DATA TRANSFER

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.
With ElectroLynx®, doorway components come pre-wired for easy hookup to the power source. The key to the system is the transfer device hinge that carries power from the frame to the locking hardware.



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

To connect a 9200 Electrified Mortise Lock to the electronic access control system, the following items are required:
- 9200 Electrified Mortise Lock
- ASSA ABLOY Door Group pre-wired door, or ElectroLynx® retrofit cable (order from McKINNEY)
- Electronic transfer device (ElectroLynx® electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKINNEY)
- ElectroLynx® cable from the hinge to above the ceiling (order from McKINNEY)

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

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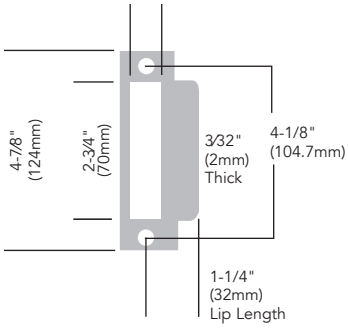
Strikes

- Curved lip strikes: Brass or stainless steel
- To order strikes separately, specify strike part number and finish. Will be furnished with machine screws
- Order strike box 77-1141 separately
- All locks are packed standard with a universal non-handed curved lip ANSI 4-7⁄8" (124mm) strike

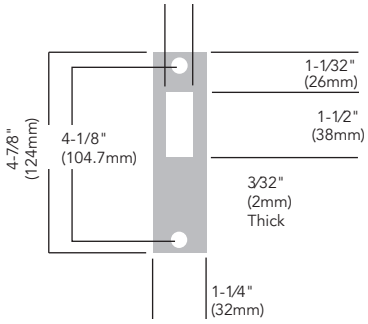
Curved Lip Strike

Door Thickness	Part No.	Lip Length
1-3/8 " (35mm)– 1-1/2" (38mm)	82-0109	1-1⁄8" (29mm)
1-5/8" (41mm)– 1-3/4" (44mm)	82-0110 Standard	1-1⁄4" (32mm)
1-7/8" (48mm) – 2" (51mm)	82-0111	1-3⁄8" (35mm)
2-1/8" (54mm) – 2-1/2" (64mm)	82-0112	1-5⁄8" (41mm)
2-5/8" (67mm) – 3" (76mm)	82-0113	1-7⁄8" (48mm)
3-1/8" (79mm) – 3-1/2" (89mm)	82-0114	2-1⁄8" (54mm)
3-3/8" (86mm) – 4" (101mm)	82-0115	2-3⁄8" (61mm)
4-1/8" (105mm) – 4-1/2" (114mm)	82-0116	2-5⁄8" (67mm)
4-5/8" (117mm) – 5" (127mm)	82-0117	2-7⁄8" (73mm)

Curved Lip Strike (Standard)



78-0034 Deadbolt Strike



- Provided standard with deadlock functions 03, 20, 21, 22, 23

77-1141 Wrought Box Strike

- For both curved and flat lip strikes
- Optional: Specify WBS- when ordering with lock
- If ordering separately, use part # 77-1141

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Mechanical Options

Add Strength	3-	Stainless steel hubs with in the mortise lock
Strike Option	23-	4-7/8" (124mm) ANSI flat lip strike
	OBS-	Open Back Strike
Thick Doors	31-	For doors 1-7/8" (48mm) to 2-1/4" (57mm) thick – see cylinder options for limitations on door thickness. When ordering the following information is required: Location of lock within the door, door thickness - IF PANELED - must specify panel thickness and panel location (inside or outside of the door) For doors thicker than 2-1/4" - consult factory.
Security Fasteners	36-	6 Lobe head security screws (Torx® type)
	37-	Spanner head security screw
Lever/Knob Combination	67-	Lock furnished w/knob both sides (Not available with AV- Option)
	68-	Lock furnished w/lever handle outside x knob inside (Not available with AV- Option)
	69-	Lock furnished w/lever handle inside x knob outside (Not available with AV- Option)
Tactile Warnings	75-	Tactile Warning - Milled levers. Inside trim only (Not available with D Knobs)
	76-	Tactile Warning - Milled levers. Outside trim only (Not available with D Knobs)
	77-	Tactile Warning - Milled levers. Inside & outside trim (Not available with D Knobs)
	85-	Tactile Warning - Abrasive coating inside trim only
	86-	Tactile Warning - Abrasive coating outside trim only
	87-	Tactile Warning - Abrasive coating inside & outside trim
Anti-Vandal Trim	AV	Anti-Vandal Pull Trim (Not available with LS, LE3 or LE4 trim and Options M-, 31-, 68-, 69-, 76-, 77-, 86-, 87- or SG-)
Mogul Cylinder	M-**	Mortise Lock to accept mogul cylinder, mogul cylinder to be ordered separate from ASSA
Finish Protection	CPC-	Clear Powder Coat (Available over 26D & 32D finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Available with 26D and 32D finishes; not available with AV- Option)
Box Strike	WBS-	Wrought Box Strike

Note: Cylinder Options on the following pages

** Mortise Locks to accept mogul cylinders are available with these functions: 04, 05, 06, 17, 24, 25, 26, 35, 37, 38, 39, 40, 43, 45 & 55 and these Deadbolt functions: 03, 20, 21, 22 & 23

** Authorized options for Mortise Locks to accept mogul cylinders are 3-, 23-, 67, 68-, 69-, 75-, 76- & 77-

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Cylinder Options

Categories	How to Specify	Detailed Description
Conventional Cylinder	-	SARGENT Conventional Cylinders Supplied Standard
Degree Key System	**DG1-***	SARGENT Degree Key System Level 1 (Bump resistant with patented keys)
	DG1-21-*	Degree Level 1 Construction Master Keying
	DG1-60-*	Degree Level 1 Removable Disposable Construction Core
	DG1-63-*	Degree Level 1 Removable Core
	DG1-64-*	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-*	Degree Level 1 Unassembled/Uncombined Core
	DG1-78-*	Degree Level 1 Exposed Plug (For use with LE3/LE4 escutcheons only)
	DG2-*	SARGENT Degree Key System Level 2 (Geographically exclusive; bump and pick resistant)
	DG2-21-*	Degree Level 2 Construction Master Keying
	DG2-60-*	Degree Level 2 Removable Disposable Construction Core
	DG2-63-*	Degree Level 2 Removable Core
	DG2-64-*	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-*	Degree Level 2 Unassembled/Uncombined Core
	DG2-78-*	Degree Level 2 Exposed Plug (For use with LE3/LE4 escutcheons only)
	DG3-*	SARGENT Degree Key System Level 3 (Geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-*	Degree Level 3 Construction Master Keying
	DG3-60-*	Degree Level 3 Removable Disposable Construction Core
	DG3-63-*	Degree Level 3 Removable Core
	DG3-64-*	Degree Level 3 Removable Construction Keyed LFIC
	DG3-78-*	Degree Level 3 Exposed Plug (F or use with LE3/LE4 escutcheons only)
Signature Key System	**10-***	SARGENT Signature Key System (Not available with other key systems)
	10-21-*	SARGENT Signature Construction Key System (Lost Ball)
Signature Large Format Interchangeable Core (Removable Core)	**10-63-***	SARGENT Signature LFIC (Removable) Core Cylinder
XC- Key System	**11-***	XC Key System (Not available with other key systems, unless specified)
	11-21-*	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	**11-60-***	Hardware to accept XC- Permanent LFIC (Removable core), disposable plastic core provided
	11-63-*	Hardware provided with XC- LFIC (Removable core) cylinder - (Includes masterkeying, grand masterkeying)
	11-64-*	Hardware provided with keyed construction core to accept XC- LFIC (Removable) Permanent core ordered separately
XC- Small Format Interchangeable Cores	**11-70-7P-***	Hardware to accept XC- SFIC (7-Pin) XC- Permanent cores, disposable plastic core provided
	11-72-7P-*	Hardware to accept XC- SFIC (7-Pin Keyed construction core provided) cylinder Permanent core ordered separately
	11-73-7P-*	Hardware provided with XC- Small Format 7-Pin Interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P-*	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed loose)
Construction Key System	**21-***	SARGENT Lost Ball Construction keying for Conventional, XC and Signature series (N/A with 63- or 73-)

* Options not available with 50 function lockout cylinder

NOTE: Interchangeable core and removable core cylinders do not meet Security Grade 1 requirements.

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Cylinder Options

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CYLINDER OPTIONS:

Large Format Interchangeable Core (Removable Core)	**60-**	Hardware to accept SARGENT Permanent LFIC (Removable core), disposable plastic core provided (Permanent cores ordered separately)
	63-	Hardware provided with LFIC (Removable core) cylinder - (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) permanent core (Ordered separately)
Small Format Interchangeable Cores	**70-***	Hardware to accept 6- or 7-Pin SFIC Permanent Cores, disposable plastic core provided
	72-*	Hardware to accept 6- or 7-Pin SFIC (Keyed construction core provided) cylinder (Permanent core ordered separately)
	73-*	Hardware provided with 6-Pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-*	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) core - (Packed loose for field keying)
	65-73-7P-*	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) core - (Packed loose for field keying)
	73-7P-*	Hardware provided with Small Format 7-Pin Interchangeable core (Includes masterkeying, grand masterkeying)
Keso & Keso F1	**81-***	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (Permanent cores ordered separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-*	Hardware provided with SARGENT Keso Security Removable Core cylinder
	F1-83-*	Hardware provided with SARGENT Keso F1 Security Removable Core cylinder (Patented)
	84-*	Hardware provided with SARGENT Keso Construction Cores (Permanent cores ordered separately)
Additional Security	**BR-**	Bump Resistant Cylinder (Available with conventional & conventional XC cylinders only)
Less Cylinder	**LC-**	Less Cylinder - SARGENT supplies standard blocking rings for 1-1/8" cylinders (For longer cylinders order collars/rings separately)
Schlage Keyways	**SC-***	Schlage C keyway cylinder, 0 bitted
	SE-*	Schlage E keyway cylinder, 0 bitted

* Options not available with 50 function lockout cylinder

NOTE: Interchangeable core and removable core cylinders do not meet Security Grade 1 requirements.

Note: For V-10 Cylinders and information, contact ASSA

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How To Order, Finishes & Architectural Specifications

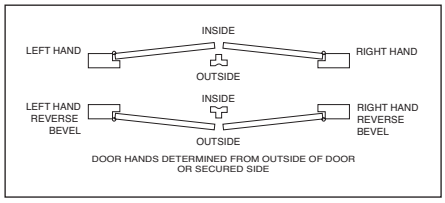
HOW TO ORDER 9200 SERIES MORTISE LOCKS

10-	92	71	12VDC	SN	L	32D	RHR
Options*	**Series**	**Function**	**Voltage**	**Roses/ Escutcheons**	**Trim**	**Finish**	**Hand**
For all available options see page 18-20	92 Mortise Lock	Pages 9-14 for Details	12VDC 24VDC	Pages 6 & 7	Levers & Knob Pages 5 & 6	Below	RHR
							RH
			Must be specified for Functions 70, 71, 72 & 73				LHR
							LH

* Multiple options can be selected
Note: For M9200 Mogul Cylinder Mortise Locks specify the M- option for Mogul

Finish	Description	ANSI/BHMA
4	Satin Brass	606
26D	Satin Chrome	626
32D	Satin Stainless Steel	630

Door Handing



2.01 HIGH SECURITY MORTISE LOCKSETS

A. High security mortise locks shall be 9200/M-9200 Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Locks shall meet or exceed the requirements of ANSI/BHMA A156.13 Series 1000, Operational Grade 1, and Security Grade 1 with all standard trims.

C. Meets or exceeds impact requirements of ASTM F1577-95b Detention Locks for Swinging Doors.
   1. Paragraph 6.2 Level 1 Impact for deadbolt x latchbolt and deadbolt only.
   2. Paragraph 6.2 Level 3 Impact for latchbolt only.
   3. Paragraph 6.4 for Cylinder Cycle.
   4. Paragraph 6.6 for Mechanical Release Force.
   5. Paragraph 6.8 Mechanical Release Operation Cycle for Detention Swinging Doors.

D. Locks shall comply with UL 10C positive pressure requirements.

E. Locks required for fire doors shall meet UL and CUL Standard 10B, Fire Test of Door Assemblies Class A, 3 hour for single doors up to 4'0" (1.2m) x 10'0".

F. Construction:
   1. Lock functions shall be manufactured in a single-sized case formed from 12 gauge heavy duty wrought steel.
   2. Lock cases shall be closed on all sides and back.
   3. Locks shall have field adjustable, beveled, armored front, with a .125 inch (3mm) thickness minimum.
   4. Locks shall have a one piece, stainless steel 3/4" (19mm) throw anti-friction stainless steel latchbolt.
   5. Deadbolts, where specified, shall be full one inch (25mm) throw made of hardened stainless steel.
   6. Where required by the Federal Bureau of Prisons, locks can be furnished optionally with stainless steel hubs.

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

H. Strikes shall be non-handed with a curved lip.

I. To ensure proper alignment, trim, knobs or levers, shall be through-bolted and fully interchangeable between rose and escutcheon.

J. Locks shall have brass 6-pin cylinder, standard.

K. Locks shall have a ten year limited warranty.

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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PRODUCT CATALOG

7 Line Cylindrical Lever Locks

Experience a safer
and more open world

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MICROSHIELD®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

MICROSHIELD® COATING

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

agion Nature's antimicrobial The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

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On The Cover
7G05 X LB

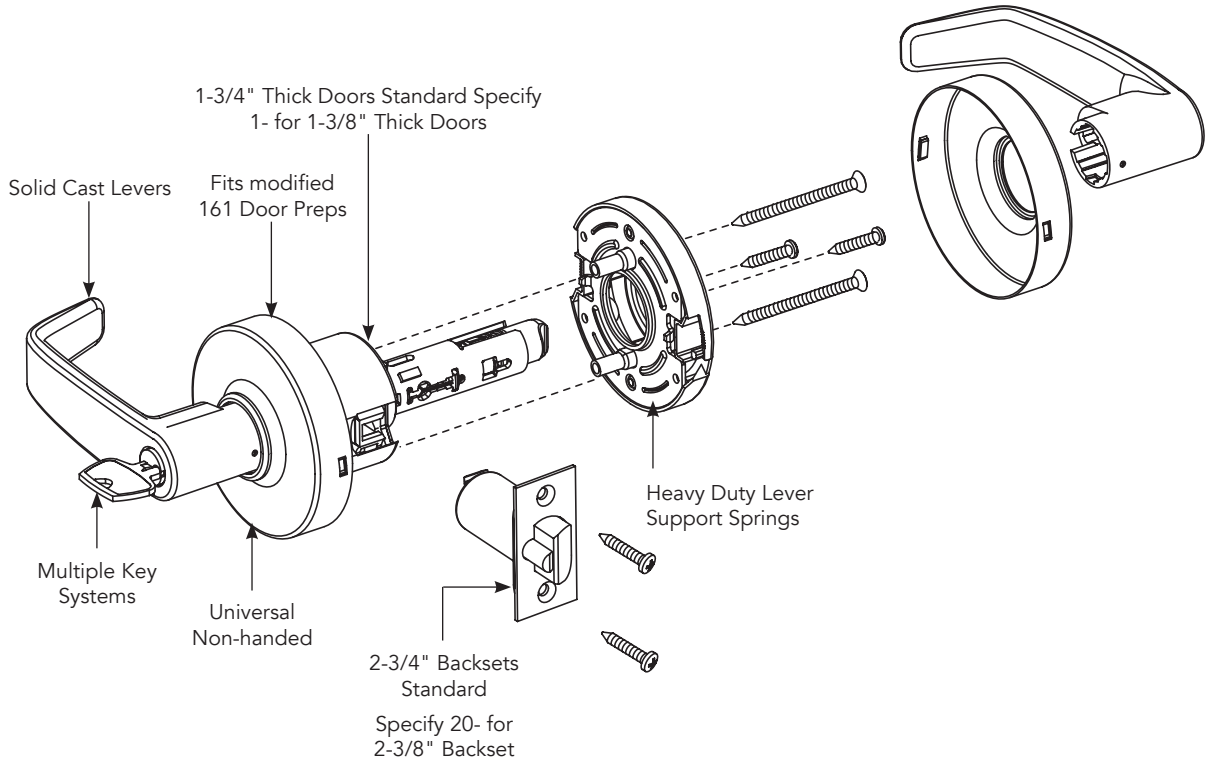
⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

Overview

A key-in-lever lock designed for standard duty commercial exterior and interior doors in offices, commercial interiors, medical clinics, government facilities and public buildings. Exceeds ANSI/BHMA A156.2 Standards for cycling and durability.

"Best Overall Lock in the Grade 2 Class"



Applications

- Standard duty commercial interior & exterior doors
- Offices
- Commercial interiors
- Medical clinics
- Government facilities
- Public buildings

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Certifications

CERTIFICATION/COMPLIANCE

ANSI/BHMA	Certified ANSI/BHMA A156.2 (2017) Series 4000 — Grade 2 Certified ANSI/BHMA A156.41
UL/cUL	UL/cUL listed to US and Canadian safety standards for 3 hour doors up to 4' x 10' (double doors require 41- option)
NFPA 80	Conforms for life safety and property protection, Standard for Fire Doors and Other Opening Protectives
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
ADA	All levers conform to ADA clear opening width requirements of ANSI A117.1
California State Reference Code (Formerly Title 19, California State Fire Marshal Standard)	All levers with returns comply; levers return to within 1/2" (13mm) of door face
Windstorm/Hurricane	All individual components of a total door opening are required to comply with each code.

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

WINDSTORM CERTIFICATIONS: FLORIDA BUILDING CODES & UL LISTINGS

SARGENT Manufacturing's products meet building codes that require hurricane and windstorm certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 7 Line lock.

FLORIDA BUILDING CODE: FL2998
UL CERTIFICATION DIRECTORY: ZHEM.R21744 – LATCHING HARDWARE

ANSI/SDI A250.13 (2014)	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ASTM E330 (2002)	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"*
ASTM E1886 (2005)	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"*
ASTM E1996 (2009)	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"*
(TAS) 201 (1994)	"Impact Test Procedures"*
(TAS) 202 (1994)	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"*
(TAS) 203 (1994)	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the 7th Edition (2020), "Florida Building Code" (FBC), State Product Approval Number FL2998

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Technical Details

Door Prep	ANSI/SDI A250.14
Door Thickness	1-3/4" (44mm) Thick Door standard Specify 1- for 1-3/8" (35mm) Thick Door
Backset	2-3/4" (70mm) Backset standard. Specify 20- for 2-3/8" (60mm) Backset
Cylindrical Housing	Steel, zinc dichromate finish
Front	Wrought brass or stainless steel; Standard — 2-1/4" (57mm) x 1-1/8" (29mm), with 2-3/4" (70mm) backset Specify 20- for 2-1/4" (57mm) x 1" (25mm), with 2-3/8" (60mm) backset
Strike	Wrought brass or stainless steel 800 curved lip strike - (specify 29- Option) 808 curved lip ANSI strike (standard) 505 full lip strike (specify 14- Option)
Hand	Non-handed — B, L, P, MD, ND lever designs Handed — G and Y Coastal Series lever designs
Latch	Brass 1/2" (13mm) throw
Keys	Two nickel silver change keys per lock standard
Cylinder	Brass, 6-pin LA keyway, 1-bitted standard, specify KD for keyed different/random
Finishes	See page 13
Warranty	Five-year limited

STRENGTH AND DURABILITY

- Cycle Test: Exceeds ANSI/BHMA A156.2 Grade 2 cycle requirements
- 5 Year limited warranty. No service required

CONVENIENCE

- Installs in 1 minute or less
- Non-handed design for ease of installation and efficient warehousing — with standard lever designs (Except G&Y)
- User friendly packaging
- User friendly instruction
- Convenient installation diagram on box

DESIGN

- Solid feel and precise lever action
- Multiple decorative designs available including Coastal Series and Studio Collection options
- Levers are solid, one-piece cast construction

FLEXIBILITY

- Fits modified 161 door preps. Internal through-bolts supply strength and stability without requiring additional door preparation
- 14 architectural grade finishes
- 10 standard functions
- SARGENT uses engineered solutions and flexible manufacturing processes to accommodate special applications

SECURITY

- Torx® and spanner screws optional
- Security key systems available (Degree®, Signature, XC, Keso, and Keso F1)
- Vandal resistant trim optional (FW- option)

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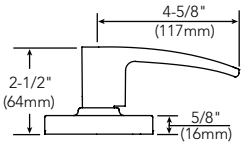
Lever & Rose Designs

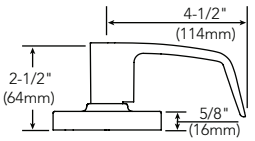
SARGENT
ASSA ABLOY

STANDARD LEVERS - SOLID CAST ZINC

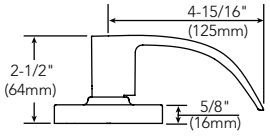
B



L*

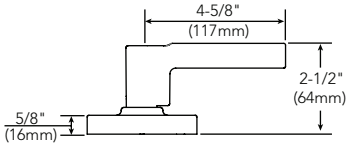


P*

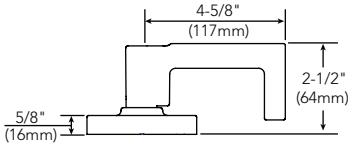


STUDIO COLLECTION - SOLID CAST ZINC

MD

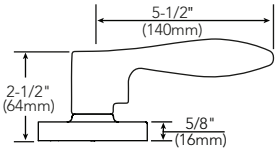


ND*

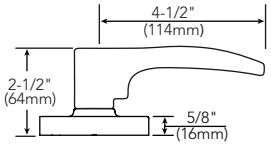


COASTAL SERIES™ LEVERS - SOLID CAST ZINC

G
Handed

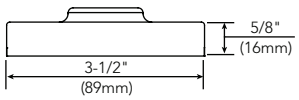


Y
HANDED



ROSE - WROUGHT BRASS OR BRONZE

L



All lever height measurements represent total distance from door face.
*Lever with return to within 1/2" of door face.

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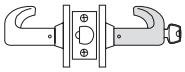
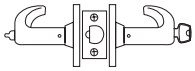
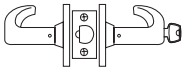
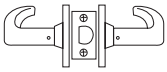
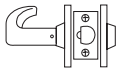
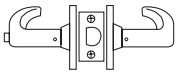
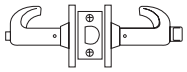
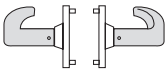
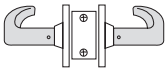
Functions

SINGLE CYLINDER FUNCTIONS

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	7G04*	Storeroom or Closet	F86	• DEADLOCKING LATCH • LATCH BY LEVER INSIDE OR KEY OUTSIDE • Outside lever rigid at all times
	7G05*	ENTRANCE OR OFFICE	F109	• Deadlocking latch • Latch by either lever unless outside lever is locked by push/turn button in inside lever • Push button released by key outside or lever inside • Turn button must be released manually • Key retracts latch when outside lever is locked
	7G37*	CLASSROOM	F84	• Deadlocking latch • Latch by either lever unless outside lever is locked by key • Key in outside lever locks or unlocks outside lever and retracts latch • Inside lever always operative

NON-CYLINDER FUNCTIONS

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	7U15	Passage	F75	• Latch by either lever
	7G15-3	Exit or Communicating	—	• DEADLOCKING LATCH • BLANK ROSE OUTSIDE • LATCH BY LEVER INSIDE • MINIMUM CLEARANCE OF 2" REQUIRED BETWEEN DOORS
	7U65*	PRIVACY/ BATHROOM	F76	• Latch by either lever unless outside lever is locked by push button in inside lever • Turning inside lever or closing door releases button • Emergency button in outside lever unlocks, with use of a blade screw driver in outside lever and releases inside button
	7U68*	Hospital Privacy	—	• LATCH BY EITHER LEVER UNLESS OUTSIDE LEVER IS LOCKED BY PUSH BUTTON IN INSIDE LEVER • Turning inside lever or closing door releases button • Rotating thumbturn in outside lever unlocks the outside lever and releases the inside button
	7U93	SINGLE LEVER PULL	—	• For wood or custom hollow metal doors • Lever and rose attached by two through-bolts and two surface applied screws • Requires special door preparation — see template
	7U94	DOUBLE LEVER PULL	—	• For wood or custom hollow metal doors • Lever and rose both sides by two through-bolts and four surface applied screws • Requires special door preparation — see template
	7U94-2	DOUBLE LEVER PULL	—	• Lever and rose attached by two through-bolts and four surface applied screws • Dummy latch plate • Requires special door preparation — see template

***FREEWHEELING LOCKED LEVER OPTION (FW)**

- Available the following functions 04, 05, 37, 65 & 68
- Provides protection from vandalism and added security
- Stops in rose prevent the lever from traveling beyond 60° in either direction

Note: Shaded lever indicates it is rigid at all times

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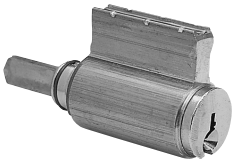
Cylinders

CYLINDERS

Cylinders are supplied 1-bitted unless specified keyed random or master keyed. For master keyed orders provide keying details as requested on SARGENT Keyed Order Lead Sheets, located in the price book or contact customer service.

				Interchangeable Core^	
Type	**Pins**	**Standard Cylinder**	**Hotel Cylinder**	**Large Format**	**Small Format**
Conventional	6	C10-1	C10-2	6300	7300B
	7	N/A	N/A	N/A	7P-7300B
Signature	6	10-C10-1	N/A	10-6300	N/A
XC	6	11-C10-1	N/A	11-6300	N/A
	7	N/A	N/A	N/A	11-7P-7300B
Keso	12	F1-81-C10-1	N/A	N/A	N/A
Degree® DG1	6	DG1-C10-1	DG1-C10-2	DG1-6300	N/A
Degree® DG2	6	DG2-C10-1	N/A	DG2-6300	N/A
Degree® DG3	6	DG3-C10-1	N/A	DG3-6300	N/A



C10-1

6300

7P-7300B

- Cylinders are brass and come with 2 nickel silver keys.
- Finishes: 04, 15 or BSP.
- To order cylinder separately, specify Model No. x Keyway x Finish (e.g., C10-1 x LA x 15)

^Locks will be provided with the applicable tailpiece per the type interchangeable and/or removable core being used. For example standard cores and Degree® cores require different tailpieces. When ordering complete locks, the appropriate option code must be specified in accordance to the permanent core being used. See pages 11-12 for cylinder options.

Cylinders with Competitive Keyways

Competitive Keyway	Part Number
Schlage® C	SC-C10-1
Schlage® E	SE-C10-1

- Cylinders are brass and come with 2 nickel silver key blanks
- Finishes: 04 or 15
- Tailpiece included

Refer to Cylinders and Components catalog for more information.

Interchangeable Core Tailpieces (replacement parts)

Used with:	Type	P/N
6300 10-6300	LFIC Conventional LFIC Signature	10-0239
11-6300 DGX-6300	LFIC XC LFIC Degree®	10-3429
7300B	SFIC 6Pin	10-0239
7P-7300B	SFIC 7 Pin	10-0240
11-7P-7300B	SFIC XC	10-3138

Note: Tailpieces included with lock.

Levers That Accept Cylinders/Cores from Other Manufacturers*

Cylinder Type	Option Code Ordered with Lock	Available Levers	Tailpiece P/N (provided with lock)	Competitor Cylinder Compatibility
Fixed Core				
Schlage® 6-pin	30-	All	N/A	Schlage® Conventional or Primus®
Interchangeable Core				
SFIC 6- or 7-pin	70-, 72-, 73-	All	10-0239 (6-pin) 10-0240 (7-pin)	All 6- or 7-pin small format interchangeable cores
Schlage® LFIC 6-pin	SF-	L	10-3428	All Schlage® 6-pin large format interchangeable cores

*Cylinder/core not included.

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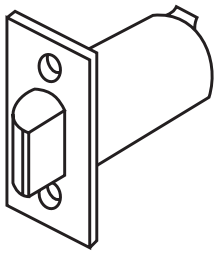
Latches

LATCHES

- Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32D, BSP, WSP

Plain/Unguarded Latch - 7U15, 7U65, 7U68:

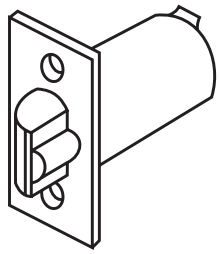
Part No.	Front	Front Width	Backset	Throw
07-2433	Square Corner	1" (25mm)	2-3/8" (60mm)	1/2" (13mm)
07-2432	Square Corner	1-1/8" (29mm)	2-3/4" (70mm)	1/2" (13mm)



Plain/Unguarded

Deadlocking/Guarded Latch - All Other Functions:

Part No.	Front	Front Width	Backset	Throw
07-2431	Square Corner	1" (25mm)	2-3/8" (60mm)	1/2" (13mm)
07-2430	Square Corner	1-1/8" (29mm)	2-3/4" (70mm)	1/2" (13mm)



Deadlocking/Guarded

When ordering latches separately, specify Part No. x Finish (e.g., 07-2340 x 26D)

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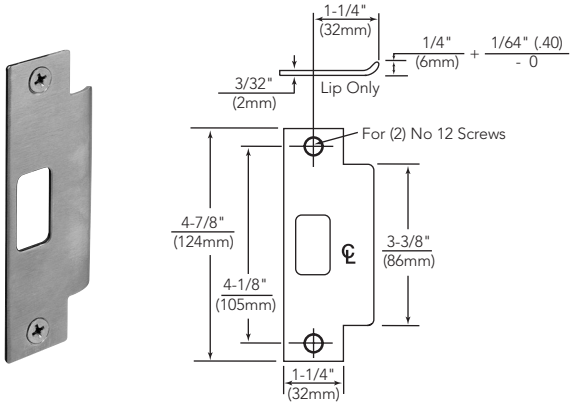
Strikes

STRIKES

- Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP, WSP

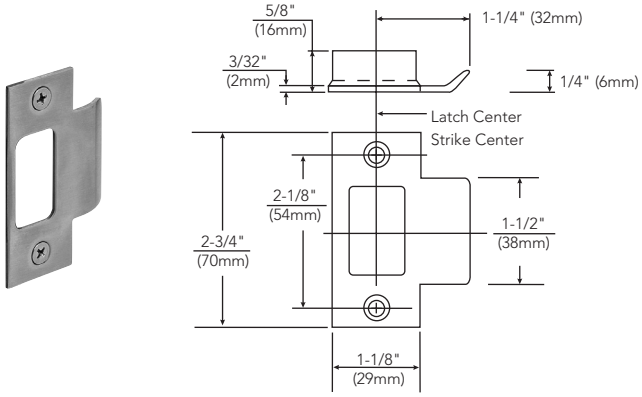
4-7/8" CURVED LIP STRIKE: STANDARD*



- Brass, bronze or stainless steel
- Conforms to ANSI standard
- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- Lip lengths: 7/8" (22mm), 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-5/8" (42mm), 1-7/8" (48mm), 2-1/8" (54mm), 2-3/8" (60mm), 2-5/8" (66mm), 2-7/8" (73mm) and 3" (76mm)
- 77-1141 Wrought strike box available separately
- To order strike separately, specify 808 strike x finish x lip length

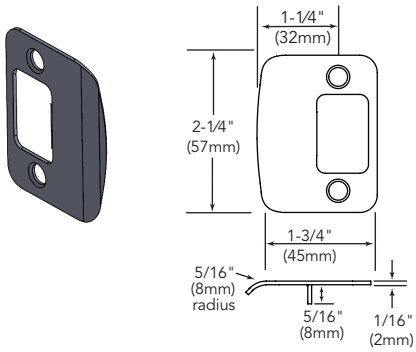
*This strike provided standard with all locks effective May 15, 2025. Option 28- no longer required. If 2-3/4" curved lip strike needed, specify 29- option.

2-3/4" CURVED LIP STRIKE (29- OPTION)



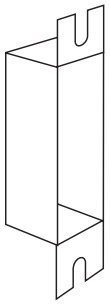
- Brass, bronze or stainless steel
- Furnished standard with 1-1/4" (32mm) curved lip from center of strike screw holes to end of lip
- Lip lengths 1" (25mm), 1-1/4" (32mm) standard, 1-1/2" (38mm), 1-3/4" (44mm) and 2" (51mm)
- Plastic strike box AM-0044 included
- To order strike separately, specify 800 strike x finish x lip length

2-1/4" FULL LIP STRIKE (14- OPTION)



- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- No other lip lengths available
- To order strike separately, specify: 505 strike x finish

ANSI WROUGHT STRIKE BOX



- Used with ANSI 4-7/8" strike (#808)
- To order with lock, specify option WBS
- To order separately, specify 77-1141

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Mechanical & Cylinder Options

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MECHANICAL OPTIONS:

Thin Doors	**1-**	Mounting kit for 1-3/8" thick doors (2-3/4" backset latch with 1-1/8" front provided unless 20- option for 2-3/8" backset also specified)
Backset Options	**20-**	2-3/8" Backset Latch with 1" Front, includes shim kits to fit 1-3/8" door
Strike	**14-**	505 Full Lip Strike
	29-	Strike #800. Lip length 1-1/4". Lip lengths 1" to 2" in 1/4" increments only.
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
Lead lined	**74-**	Lead lined (specify components for inside, outside and/or latch tube)
Tactile Warning Options	**75-**	Tactile Warning — Handicap warning milled on backside of inside lever (L, B, P levers only)
	76-	Tactile Warning — Handicap warning milled on backside of outside lever (L, B, P levers only)
	77-	Tactile Warning — Handicap warning milled on backside of both levers (L, B, P levers only)
	85-	Tactile Warning — Abrasive coating on inside lever
	86-	Tactile Warning — Abrasive coating on outside lever
	87-	Tactile Warning — Abrasive coating on both levers
Freewheeling Trim	**FW-**	Freewheeling locking levers (See page 6 for details)
Finish Protection	**SG-**	MicroShield® antimicrobial clear powder coat (only available with 26D finish)
	CPC-	Clear Powder Coat over 26D – 7G05 x LL x 26D x CPC.
Box Strike	**WBS-**	Wrought Box Strike

CYLINDER OPTIONS:

Conventional Cylinder	**-**	SARGENT Conventional Cylinders supplied Standard (nomenclature not required)
Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Fixed Core Component Cylinder (packed loose for field keying)
	DG1-63-65	Degree Level 1 Unassembled/Uncombinated Removable Core LFIC (packed loose for field keying)
	DG2-	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Fixed Core Component Cylinder (packed loose for field keying)
	DG2-63-65	Degree Level 2 Unassembled/Uncombinated Removable Core LFIC (packed loose for field keying)
	DG3-	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
Signature Key System	**10-**	SARGENT Signature Key System
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature: Large Format Interchangeable Core (Removable Core)	**10-63-**	SARGENT Signature LFIC (Removable Core) Cylinder
XC- Key System	**11-**	XC- Key System (not available with other Key Systems, unless specified)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	**11-60-**	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core- provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder - (includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (removable) Permanent Core (ordered separately)
XC- Small Format Interchangeable Cores	**11-70-7P-**	Lock to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-	Lock to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent Core ordered separately
	11-73-7P-	Lock supplied with XC- Small Format 7-Pin interchangeable core (includes masterkeying, grand masterkeying)
	11-65-73- 7P-	Lock provided to accept XC- Uncombinated 7-Pin SFIC (permanent) Core - (packed loose)

Note: Cylinder Options continued on the following page

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Mechanical & Cylinder Options

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CYLINDER OPTIONS:

Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
Large Format Interchangeable Core (Removable Core)	**60-**	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable plastic Core provided (Permanent Cores Ordered Separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder - (includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered Separately)
Small Format Interchangeable Cores	**70-**	Lock to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-	Lock to accept 6- or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)
	73-	Lock supplied with 6-Pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Lock provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (packed loose for field keying)
	65-73-7P-	Lock provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (packed loose for field keying)
	73-7P-	Lock supplied with Small Format 7-Pin Interchangeable Core (includes masterkeying, grand masterkeying)
Keso & Keso F1	**80-**	Lock to accept Keso and Keso F1 cylinders - no cylinders provided (not available for MD or ND levers)
	82-	Lock provided with SARGENT Keso Security Cylinder (not available for MD or ND levers)
	F1-82-	Lock provided with SARGENT Keso F1 Security Cylinder (not available for MD or ND levers)
Bump Resistant	**BR-**	Bump Resistant Cylinder (available with Conventional & Conventional XC Cylinders only)
Keyed Different	**KD-**	Cylinders provided keyed differently/random
Less Cylinder	**LC-**	Lock supplied less Cylinder
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted
	SE-	Schlage E keyway cylinder, 0 bitted
Accepts Schlage Cylinders	**30-**	Lever to accept Schlage Cylinder-Cylinder is not provided
	SF-	L Lever to accept Schlage Large Format Interchangeable Core (supplied less core, tailpiece included)

Note: To order the 7 Line lock for use with ASSA V-10 (VA & VS) cylinders, specify the Less Cylinder (LC-) option. V-10 cylinders are available from ASSA, Inc. @ 800-235-7482

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Finishes, Packaging

Finish	Descriptions	ANSI/BHMA
03	Polished brass, clear coated	605
04	Satin brass, clear coated	606
09	Polished bronze, clear coated	611
10	Satin bronze, clear coated	612
10B	Oxidized bronze, oil rubbed	613
10BE	Dark oxidized satin bronze — equivalent	613E
10BL	Oxidized satin, bronze, clear coated	614
14	Polished nickel, clear coated	618
15	Satin nickel, clear coated	619
20D	Statuary dark bronze, clear coated	624
26	Polished chrome	625
26D	Satin chrome	626
BSP	Black Suede Powder Coat	—
WSP	White Suede Powder Coat	—
SG- Option	MicroShield® antimicrobial clear powder coat (only available with 26D finish)	
CPC- Option	Clear Powder Coat over 26D – 7G05 x LL x 26D x CPC	

Zinc levers are plated to match ANSI/BHMA finish.
Custom colors available, consult factory.
Split finishes:

- Specify outside finish first i.e. 7G05 x LL x 26D x 03 x RH
- Handing must be specified
- Strike and latch front will match the following:
  RH & LH = inside finish
  RHR & LHR = outside finish

Lock Finish	Cylinder/Core*
03, 04, 09, 10, 10B, 10BE, 10BL, 20D	04
14, 15, 26, 26D, WSP	15
BSP	BSP

*Finish when cylinder provided with lock. 15 finish provided for cylinders/cores where BSP not available, see cylinder page 8 for finish availability.

Packaging

7G04 x LL
4.3 lbs (1.95 kg)
1 box
41 lbs (18.6 kg)
10 boxes/case

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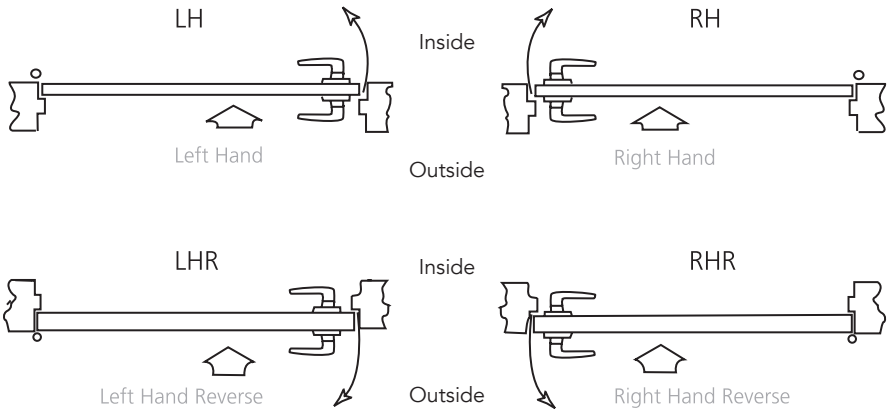
How to Order, Miscellaneous Parts

10	10-29-	7G05	L	Y	RH	15	AA1
Quantity	**Options***	**Lock & Function**	**Rose**	**Lever**	**Hand**	**Finish**	**Additional Information**
	Available Options Pg 11-12 (Note: 808 ANSI strike standard, 29- for T-Strike)	Available Functions Pg 7	Only Available with the L Rose	Available Levers B, Y, L, P, G, MD & ND	RH, LH, RHR, LHR	Available Finishes Pg 13	Such as Item, Heading Number, Door Number, Keyset

* Multiple Options may be selected

HOW TO SPECIFY HANDING



MISCELLANEOUS PARTS

Part No.	Description
07-2648	1-3/8" Door Mounting Kit (1- & 20- Options)
01-0949	30-option, washer only
C10-3	Emergency release cylinder (65 function)
10-0043	Push pin tool
10-2052	Screw pack (29- option)
10-2070	Screw pack (standard ANSI)
82-3855	6 Lobe Torx® Bit Pack (36-) (sizes- T8, T9, T10, T15, T20, T25, T27) 7/16" Driver
82-3856	Spanner Bit Pack (37-) (sizes- 4, 6, 8, 10, 12, 1/4") 1/4" Driver

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Architectural Specifications

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SUGGESTED ARCHITECTURAL SPECIFICATIONS - 2.0 BORED LOCKS

A. Locks shall be 7 Line as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Locks must be certified ANSI/BHMA A156.2 Series 4000, Grade 2
- and shall meet or exceed the cycle requirements of ANSI/BHMA A156.2 Series 4000, Grade 2 with all standard trims.

C. Locks shall be non-handed with bi-directional lever operation, except the “G” and “Y” lever designs.

D. Lock levers shall be made of solid material.

E. Lock shall be available in a minimum of seven lever designs.

F. Locks shall comply with UL10C positive pressure requirements.

G. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of 3 hour (A label) and less.

H. Locks shall mount in a standard 161 door prep (2-1/8 inch dia.) without additional through-bolt preps.

I. Locks shall have a 2-3/4" (70mm) backset standard, with 2-3/8" (60mm) offered as an option.

J. Strikes shall be non-handed with a curved lip. Provide wrought boxes with strikes.

K. Locks shall have brass 6-Pin cylinder, standard.

L. Provide two, nickel silver keys with each lock.

M. Locks shall have a five year limited warranty.

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90110 08/25

SARGENT®
ASSA ABLOY

PRODUCT CATALOG

6 Line Bored Lock

Experience a safer
and more open world

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ASSA ABLOY

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On The Cover
6G05 x OB

⚠ WARNING
This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

Specifications, Certification Compliance

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SPECIFICATIONS:

For Doors	1-3/8" (35mm) thick door adjustable to 1-3/4" (44mm)
Backsets	2-3/8" (60mm) x 1" (25mm) standard 2-3/4" (70mm) x 1" (25mm) backset available (17- option) 2-3/4" (70mm) x 1-1/8" (29mm) backset available (24- option)
Bored Housing	Steel, zinc dichromate finish
Front	Wrought brass, bronze or stainless steel 2-1/4" (57mm) x 1" (25mm) standard — other options available
Strike	Wrought brass, bronze or stainless steel 808 curved lip ANSI strike (standard) 800 curved lip strike (29- option) 505 radius/full lip strike (14- option) Wrought box strike available (WBS option)
Hand	Non-cylinder locks — non-handed Cylinder type locks — reversible in field
Knobs	Heavy wrought brass or bronze
Roses	Heavy wrought brass
Latch	Brass x 1/2" (13mm) throw
Cylinder	Brass, 6 pin, LA keyway standard
Keys	Two, nickel silver
Masterkeying	Can be master keyed or grand master keyed Construction key systems available
Finishes	03, 10BE, 26D
Door Prep	160 Standard Door Prep, Specify 24- for 161 Door Prep
Minimum Stile	4" (102mm)

CERTIFICATION COMPLIANCE:

ANSI	Certified ANSI/BHMA A156.2 Series 4000 — Grade 2
UL/cUL	UL listed to U.S.A. and Canadian safety standards Listed for 3 Hour Doors
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies

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

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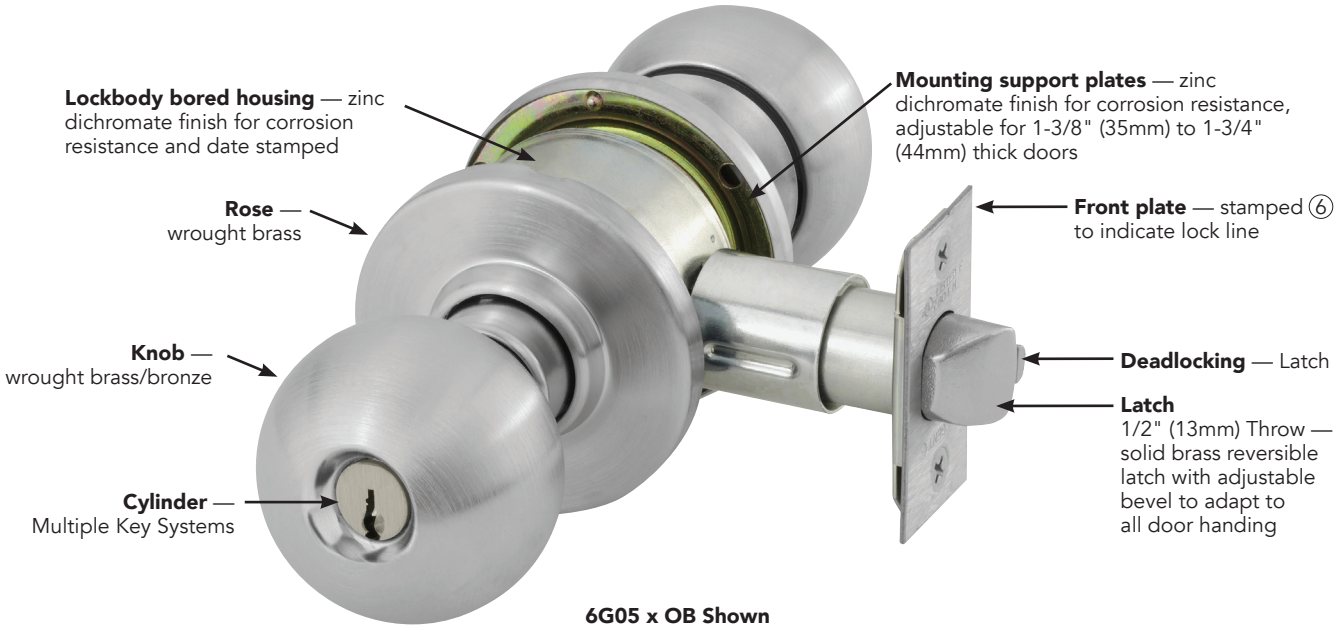
Features & Benefits



6G05 x OB Shown

The 6 Line is a highly styled standard duty lock line certified to ANSI/BHMA A156.2 Series 4000 Grade 2. It is ideally suited for fine homes, apartments, hotels and commercial buildings.

Versatility

- Lockbody fits doors from 1-3/8" (35mm) to 1-3/4" (44mm) thick
- Non-handed or field reversible
- Fits ANSI/SDI A250.14 door prep
- Multiple latches and strike options available
- Variety of functions and options

Quality

- Complements and blends with trim designs of other SARGENT locks for unified appearance
- Certified ANSI/BHMA A156.2 Series 4000 — Grade 2
- Accepts SARGENT standard and high security cylinders
- Quality finishes with split finishes optional
- Fire Code compliance with all functions depending on application

Convenience

- Installs with just two lockbody screws for easy installation and maintenance

Applications

- Standard duty commercial buildings
- Offices
- Apartment buildings
- Hotel/Motel
- Residential housing
- Retail
- Churches
- Warehouses

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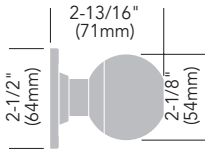
Knob & Rose Design

OB DESIGN

- Rose: O - Wrought
- Knob: B - Wrought



Knob projection shown is for 1-3/4" (44mm) thick doors and will vary by door thickness.

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Functions

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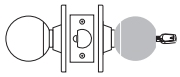
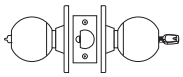
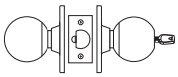
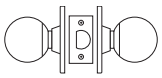
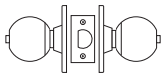
SINGLE CYLINDER FUNCTIONS

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	6G04	Storeroom or Closet	F86	• Deadlocking latch • Latch retracted by knob inside or key outside • Outside knob rigid at all times
	6G05	Entrance or Office	F81	• Deadlocking latch • Latch retracted by either knob unless outside knob is locked by turn button in inside knob • Turn button must be released manually • Key retracts latch when outside knob is locked
	6G37	Classroom	F84	• Deadlocking latch • Latch retracted by either knob unless outside knob is locked by key • Key in outside knob locks or unlocks outside knob

NON-CYLINDER FUNCTIONS

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	6U15	Passage	F75	• Latch retracted by either knob
	6U65	Privacy/Bathroom	F76A	• Latch retracted by either knob unless outside knob is locked by push button in inside knob • Turning inside knob or closing door releases button • Emergency key or flat blade screwdriver in the emergency button releases the inside button and unlocks the outside knob • Emergency key supplied only when ordered separately (14-0300)
	6U93	Single Knob	—	• For wood or custom hollow metal doors • Knob and rose attached by surface applied screws (hidden) • Requires special door preparation — see template

NOTE: Shaded knob indicates it is rigid at all times.

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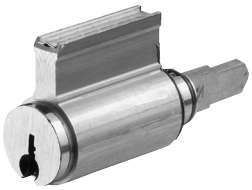
Cylinders

Finishes: 04, 15

Type	Pins	Standard Cylinder
Conventional	6	C6-1B
	7	N/A
Signature	6	10-C6-1B
XC	6	11-C6-1B
	7	N/A
Degree® DG1	6	DG1-C6-1B
Degree® DG2	6	DG2-C6-1B
Degree® DG3	6	DG3-C6-1B



C6-1B

All cylinders are supplied with 2 nickel silver change keys.
When cylinders are ordered keyed to 5 pin systems, the (6th) last chamber will be empty.

Cylinders are supplied 1-bitted unless specified keyed random or master keyed. For master keyed orders provide keying details as requested on SARGENT Keyed Order Lead Sheets, located in the price book or contact customer service.

To order cylinders separately, specify part number x keyway x finish (i.e. C6-1B x LA x 15)

Cylinders with Competitive Keyways

Competitive Keyway	Part Number
Schlage® C	SC-C6-1B
Schlage® E	SE-C6-1B

These cylinders are 6-pin, 0-bitted and supplied with two brass key blanks. Cylinders include tail piece.

Refer to Cylinders and Components catalog for more information.

See page 12 for cylinder options when ordered with locks.

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Latches

- To order latch separately, specify: part number x finish (see table)
- Front size: 2-1/4" (57mm) x 1" (25mm) Unless Otherwise Specified

2-3/8" (60mm) Backset Latch — Standard

- Shipped standard with keyed locks, deadlocking
- 15 and 65 functions are not deadlocking
- Deadlocking Latch: 06-5083
- Non Deadlocking Latch: 06-5225
- Finishes: 03, 10BE, 32D

17- Option: 2-3/4" (70mm) Backset x 1" Front

- Front Size: 2-1/4" (57mm) x 1" (25mm)
- Deadlocking Latch: 06-5102
- Non Deadlocking Latch: 06-5234
- Finishes: 03, 10BE, 32D
- To order latch with lock, specify 17- option
  Example: 17-6G05 x OB x 32D

24- Option: 2-3/4" (70mm) Backset x 1-1/8" Front

- Front Size: 2-1/4" x 1-1/8" (57mm x 29mm)
- Deadlocking Latch: 06-5094
- Non Deadlocking Latch: 06-5231
- Finishes: 03, 10BE, 32D
- To order latch with lock, specify 24- option
  Example: 24-6G05 x OB x 32D

Part	Type	Option/Backset	Front
06-5083	Deadlocking Latch	Standard 2-3/8" (60mm)	2-1/4" x 1" (57mm x 25mm)
06-5225	Non Deadlocking Latch		
06-5102	Deadlocking Latch	17- Option 2-3/4" (70mm)	2-1/4" x 1" (57mm x 25mm)
06-5234	Non Deadlocking Latch		
06-5094	Deadlocking Latch	24- Option 2-3/4" (70mm)	2-1/4" x 1-1/8" (57mm x 29mm)
06-5231	Non Deadlocking Latch		

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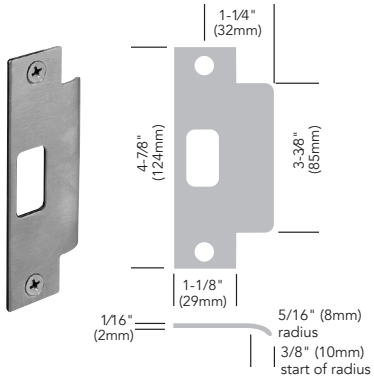
Strikes

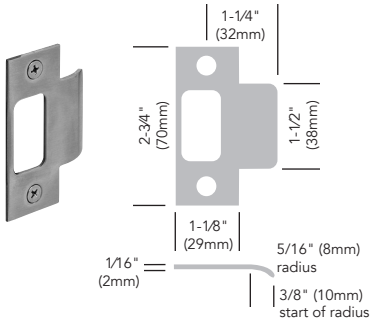
- Strike finishes: 03, 10BE, 32D
- Lock with 26D is supplied with 32D strike

4-7/8" Curved Lip ANSI Strike (Standard)



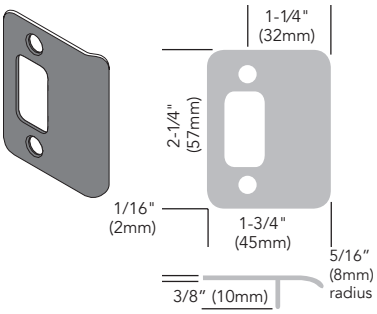
- Brass or stainless steel
- Conforms to ANSI standard
- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- Lip lengths: 7/8" (22mm), 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-5/8" (42mm), 1-7/8" (48mm), 2-1/8" (54mm), 2-3/8" (60mm), 2-5/8" (66mm), 2-7/8" (73mm) and 3" (76mm)
- To order strike separately, specify 808 strike x finish x lip length
- Wrought box not provided, order separately 77-1141 or as WBS option with lockset

2-3/4" Curved Lip Strike (29- Option)



- Brass or stainless steel
- Furnished standard with 1-1/4" (32mm) curved lip from center of strike screw holes to end of lip
- Lip lengths 1" (25mm), 1-1/4" (32mm) standard, 1-1/2" (38mm), 1-3/4" (44mm) and 2" (51mm)
- Plastic strike box AM-0044 included with lockset
- To order strike separately, specify 800 strike x finish x lip length

2-1/4" Full Lip Strike (14- Option)



- Brass or stainless steel
- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- Radius corners
- No other lip lengths available
- To order strike separately, specify 505 strike x finish
- Adjustable tab (standard) to reduce door movement when latch is engaged in strike

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Retrofit Options

SARGENT 6010 REPLACEMENT KIT — FOR 7600 INTEGRA LOCKS

Sub Front

800 Strike

808 Strike

- For installation of 6 Line with 2-3/4" (17-) backset to replacing old 7600 Integra locks in wood doors
- Finishes: 03, 04, 10, 10B, 10BE, 10BL, 15, 20D, 26 and 26D
- Replacement Kit consists of:

Quantity	Item	Item Number	Size
1	Sub Front	08-0562 x finish	4-1/4" (108mm) x 1-1/4" (32mm)
1	Strike **(must specify 800 or 808)**	800 x finish (with screws) 808 x finish (with screws)	2-3/4" (70mm) x 1-1/8" (29mm) x 1-1/4" (31mm) 4-7/8" (121mm) x 1-1/8" (29mm) x 1-1/4" (31mm)
1	Strike Box	08-0055 77-1141	For 800 Strike For 808 Strike (ANSI)
2	Sub Front Screws	01-5001	#10-24 x 3/4" (19mm)

NOTE: Strikes will <u>not</u> retrofit for strikes 4-1/4" (108mm) x 1-1/8" (29mm) x 1-1/4" (32mm)
Lock will not retrofit for lock front plate size 5-1/4" (133mm) x 1-1/4" (32mm) – 36-7600 locks

COVER PLATE

Cover Plate
3" (76mm) x 12" (305mm)
Order: 06-0037 x finish
(2 qty. required)

Screws
Order: 01-2037 x finish
(8 qty. required)

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How to Order, Finishes, Packaging

HOW TO ORDER:

Specify	Note	Example
Quantity	Number Ordered	**1 Qty**
*Option(s)	Additional Feature	1 Qty **29-**
Lock Function	See Functions	1 Qty 29-**6G05**
Trim Design	Rose x Knob	1 Qty 29-6G05 **OB**
Finish	See Finishes	1 Qty 29-6G05 OB **26D**
Additional Information	Item/Heading Number, Door Number, Keyset Information	1 Qty 29-6G05 OB 26D x **Item 01 x DRL201 x Keyset AA3**
Hand	Non-Handed	

* Can choose multiple options

PACKAGING:

6G05 x OB
Approximately 2 lbs. 10 oz./box (1.2 kg)
10 boxes/case

6 LOBE & SPANNER BIT PACKS:

Part Number	Description
82-3855	6 Lobe Bit Pack 7 Bits (Sizes: T8, T9, T10, T15, T20, T25, T27) Requires 9/32" (7mm) Driver
82-3856	Spanner Bit Pack 5 Bits (Sizes: 6, 8, 10, 12, 14) Requires 1/4" (6mm) Driver

FINISHES:

Finish	Description	ANSI/BHMA
03	Polished brass, clear coated	605
10BE	Dark Oxidized Satin Bronze – equivalent	613E
26D	Satin chrome	626

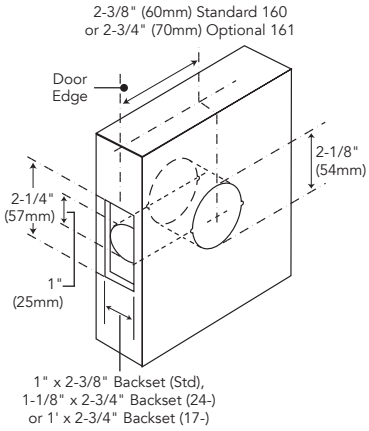
Split finishes:

- Specify outside finish first i.e. 6G05 x OB x 26D x 03 x RH
- Handing must be specified
- Strike and latch front will match the following:

  RH & LH = inside finish

  RHR & LHR = outside finish

DOOR PREP:



If weather stripping, acoustical materials or silencers are used on the door or frame, care must be taken in the installation so that it will not interfere with the ease in which the latch enters the strike.

14-0300 EMERGENCY KEY:

- Used with 65 function
- Emergency key provided only when ordered separately

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Options

SARGENT
ASSA ABLOY

MECHANICAL OPTIONS:

Strike	**14-**	505 Full Lip Strike
	29-	Strike #800. Lip length 1-1/4". Lip lengths 1" to 2" in 1/4" increments only.
Backset Options	**17-**	2-3/4" Backset x 2-1/4" x 1" Front
	24-	2-3/4" Backset x 2-1/4" x 1-1/8" Front
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
Box Strike	**WBS-**	Wrought Box Strike

CYLINDER OPTIONS:

Conventional Cylinder	**-**	SARGENT Conventional Cylinders supplied Standard (nomenclature not required)
Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-65-	Degree Level 1 Unassembled/Uncombined Cylinder
	DG2-	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-65-	Degree Level 2 Unassembled/Uncombined Cylinder
	DG3-	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
Signature Key System	**10-**	SARGENT Signature Key System
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
XC- Key System	**11-**	XC- Key System (not available with other Key Systems, unless specified)
	11-21-	XC- Construction Key System (Lost Ball)
Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
Bump Resistant	**BR-**	Bump Resistant Cylinder (available with Conventional & Conventional XC Cylinders only)
Less Cylinder	**LC-**	Lock supplied less Cylinder
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted
	SE-	Schlage E keyway cylinder, 0 bitted

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Architectural Specifications

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SUGGESTED ARCHITECTURAL SPECIFICATIONS

2.1 Standard Duty Bored-in Lock

A. All bored knob locks shall be manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Locks shall be certified ANSI/BHMA A156.2 Series 4000, Grade 2.

C. Locks shall be completely reversible.

D. Locks shall be able to fit a standard 2-1/8" (55 mm) bore (161 prep) without the use of through-bolts.

E. Locks shall comply with UL 10C positive pressure requirements.

F. Latch shall be minimum 1/2" (13mm) throw, UL Listed.

G. Locks shall have 2-3/8" (70 mm) backset, standard.

H. Locks shall have brass 6-pin cylinder, standard.

I. Locks shall have a one year limited warranty.

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90113 08/25

SARGENT®

ASSA ABLOY

PRODUCT CATALOG

DL Series Tubular Lock

Experience a safer
and more open world

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Options/Finishes 12
How to Order/Specify Handing 13
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MICROSHIELD®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

MICROSHIELD® COATING

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

agion Nature's antimicrobial The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

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WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

On The Cover

H007 Lever with TO Rose

90102 09/25

Specifications/Functions

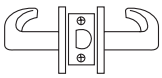
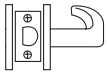
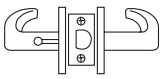
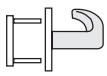
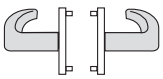
DL SERIES TUBULAR LOCK

The DL Series tubular lock is designed for ease of installation with the quality you expect from the SARGENT name. The DL Series exceeds the expectations of the most demanding architects and design professionals. All Studio Collection and Coastal Series levers, as well as standard levers, can be used with the DL. Ideal interior applications include hotel guest rooms, high-end apartments, and condominiums.

GENERAL INFORMATION

- For doors 1-3/8" (35mm) to 1-3/4" (44mm) thick standard
- 2-3/4" (70mm) Backset standard with square corner front, 2-1/4" x 1-1/8" (57mm x 29mm) (specify 20- for 2-3/8" (60mm) backset)
- ANSI Standard 161 Door Prep (Except 93 & 94)
- Latchbolt brass 1/2" (13mm) projection
- Specify hand of lock on order; easily field reversible
- Warranty: 1 Year

FUNCTIONS

Inside/Outside	Series/Function	Type	Function Description
	DLU15	Passage	• Both levers retract latch • Ideal for closets & bedrooms
	DLU15-3	Communicating	• Blank rose outside • Lever retracts latch
	DLU65	Privacy	• I/S lever always retracts latch • O/S lever retracts latch, except when locked by inside push button • Closing door unlocks outside lever • Includes emergency release • Ideal for bathrooms & home offices • Not available with H008 and H011 levers
	DLU93	Single Lever Pull	• Lever always rigid • No latch included • Ideal for pantries & closets • Surface mounted*
	TB-DLU93	Single Lever Pull	• Lever always rigid • No latch included • Ideal for pantries & closets • Through-bolted
	DLU94	Double Lever Pull	• Levers always rigid • No latch included • Ideal for sliding doors • Through-bolted

* DLU93 Single Lever Pulls are recommended for use on solid wood or metal doors
Note: Handing for dummy trim only depends on side of door lever trim installed see page 13.

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Studio Collection Levers

AVENTURA SERIES

MB	5-3/8" 136mm; 2-1/2" 64mm	
ME	4-11/16" 119mm; 2-17/32' 64mm	
MF	4-3/8" 111mm; 2-25/32" 71mm	
MG	5-1/2" 140mm; 2-15/32" 63mm	
MI	5-13/32" 137mm; 2-19/32" 66mm	
MW[1]	5" 127mm; 2-1/2" 64mm	
NF[1]	5 5/8" 118mm; 2 -13/16" 71mm	

ODÉON SERIES

(Handed Levers)

MN[2]	4-17/32" 115mm; 2-1/8" 54mm	
MH[2]	5-5/32" 131mm; 2-3/4" 70mm	
MS[2]	5-3/8" 136mm; 2-21/32" 67mm; 2-15/32" 62mm	
MU[2]	5-1/16" 129mm; 3-1/16" 78mm	
MV[2]	5-1/8" 130mm; 2-7/8" 73mm	
NU[1,2]	5-1/4" 133mm; 2-7/8" 73mm; 3/8" 10mm	
WG	5" 127mm; 3-1/8" 79mm	

1 Lever returns within 1/2" (13mm) of door face
2 Not available in 32D or 32 finish

All levers are ADA compliant.

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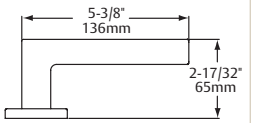
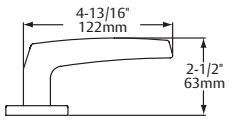
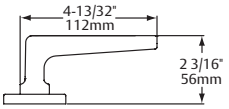
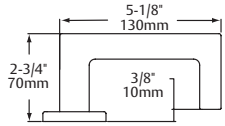
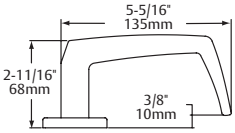
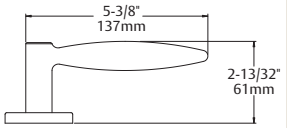
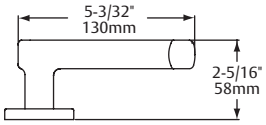
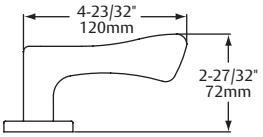
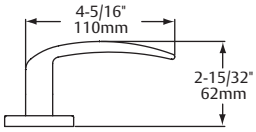
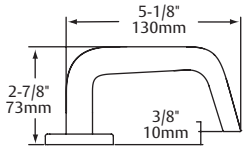
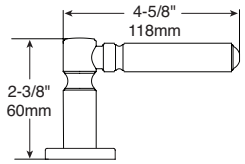
Studio Collection Levers

CENTRO SERIES

MD		
MJ		
MP[2]		
ND[1]		
NJ[1]		

NOTTING HILL SERIES

MA[2]		
MQ[2] Handed		
MT[2] Handed		
MO[2]		
MZ[1,2] Handed		
GT		

1 Lever returns within 1/2" (13mm) of door face
2 Not available in 32D or 32 finish

All levers are ADA compliant.

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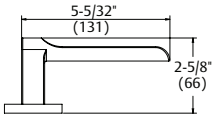
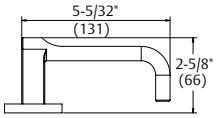
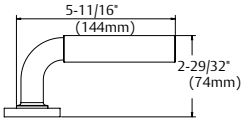
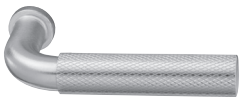
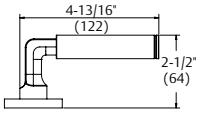
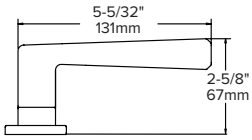
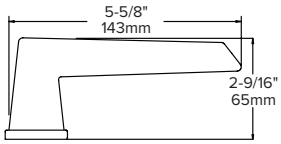
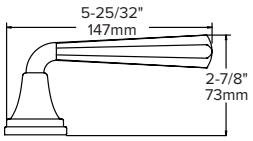
Studio Collection Levers

BERLIN SERIES[2]

H015		
H016[1]		
H017		
H018		

GRANT PARK

H007		
H008 Handed		Not available with DLU65
H011		Not available with DLU65

1 Lever returns within 1/2" (13mm) of door face
2 Not available in 32D or 32 finish

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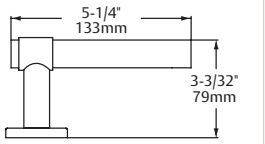
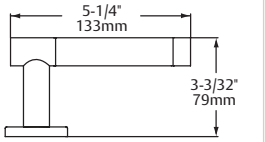
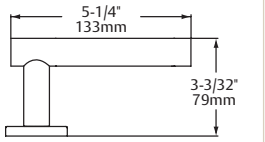
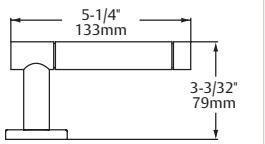
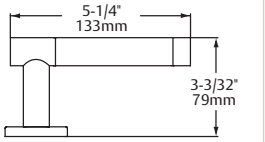
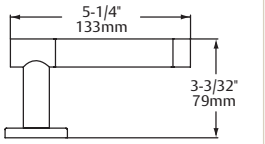
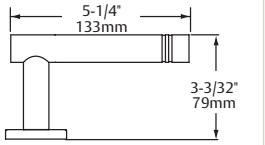
Studio Collection Levers

GRAMERCY SERIES[2]

RCM		
RAL		
REM		
RAM		
RAS		
RAG		
RGM		

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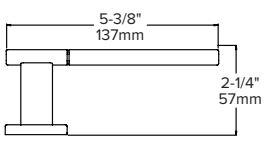
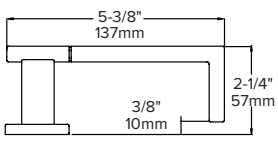
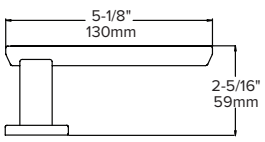
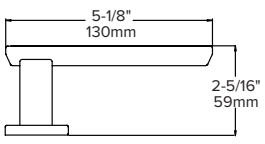
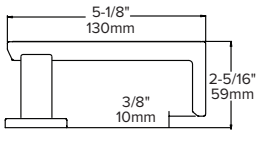
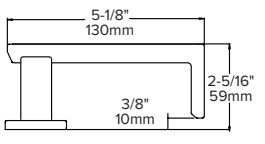
H001		
H002[1]		
H003		
H004		
H005[1]		
H006[1]		

1 Lever returns within 1/2" (13mm) of door face
2 Gramercy levers are customized; refer to page 8 for ordering information
3 H003-H006 - Contain white or black polycarbonate inserts.
Not available with MicroShield® antimicrobial coating.

All levers are ADA compliant.

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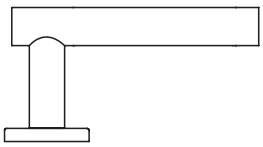
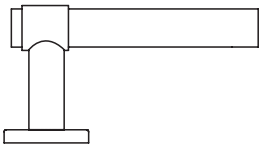
Ordering Gramercy Series Levers

GRAMERCY SERIES LEVERS



REM, RGM



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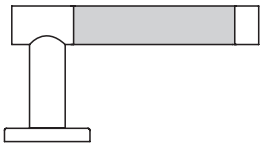

RAG, RAL, RAM, RAS

GRAMERCY FINISH CODES

ANSI/BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

GRAMERCY LEVER DESCRIPTIONS & AVAILABLE FINISHES

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK, 30BN, 29BK, 29BN, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Metallic Insert	2930 or 3030
RAS	Santoprene Insert	30BK30, 29BK29, 3EBK3E, BSBKBS or WSBKWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2929, 3030, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

2930 Finish: grip of lever is 32D, balance of lever is 32. Rose and lock finish will be 32.
3029 Finish: grip of lever is 32, balance of lever is 32D. Rose and lock finish will be 32D.

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the ANSI/BHMA standard finish code, i.e. use "29" for polished stainless, ANSI/BHMA finish 629.

HOW TO ORDER DL SERIES LOCKS WITH GRAMERCY LEVERS

Options	Series	Function	Roses	Lever	Hand	Finish
Select from page 12	DL	Select from page 3	Select from page 10	Leather insert	RH or LH	Bright stainless steel with brown leather
28-	DL	U65	TO	RAL	RH	29BN29

Gramercy Levers are available with E2, O, CO & TO roses; DLU93 & DLU94 functions are also available with E3, CR, LN & TR roses.

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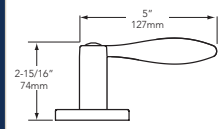
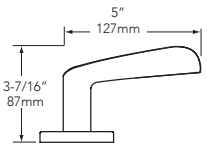
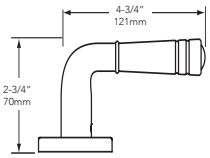
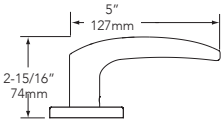
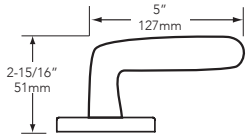
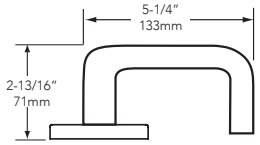
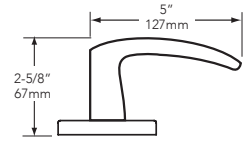
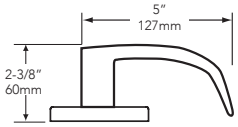
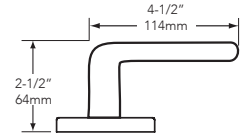
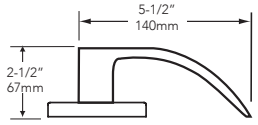
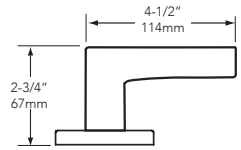
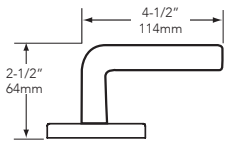
Coastal Series™ & Standard Levers

COASTAL SERIES™

G - Gulfport™ Handed			**S - Sanibel™ Handed**		
R - Rockport™			**Y - Yarmouth™ Handed**		

Note: Not available in 32D or 32 finish

STANDARD LEVERS

A Handed			**J**		
B			**L**		
E			**P**		
F			**W**		

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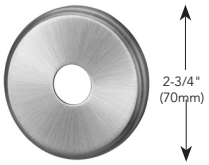
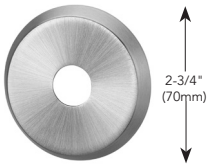
Roses

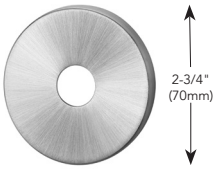
ROSES



TO Rose



CO Rose



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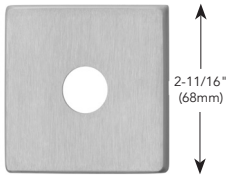
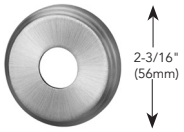
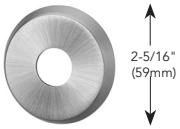


E2 Rose*
(handed)

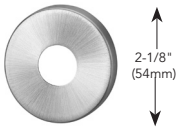
ADDITIONAL ROSES FOR DLU93 AND DLU94 FUNCTIONS ONLY*



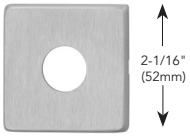
TR Rose



CR Rose



LN Rose



E3 Rose
(handed)

***CAUTION:** Cannot retrofit on existing cylindrical lock door preps with through-bolt holes outside the 2-1/8" bored hole.

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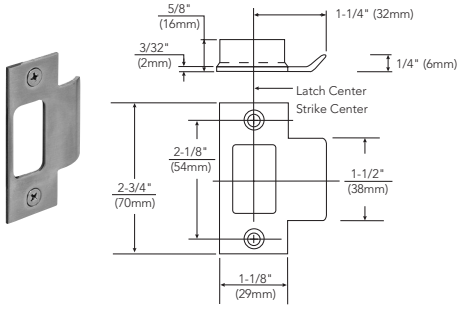
Strikes

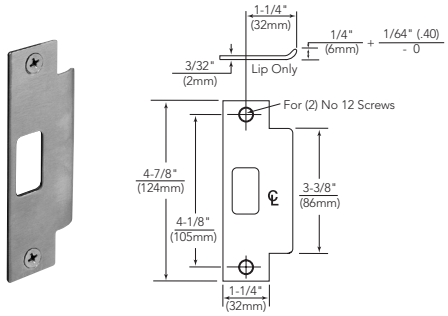
2-3/4" Curved Lip Strike – Standard

- Brass, bronze or stainless steel
- Furnished standard with 1-1/4" (32mm) curved lip from center of strike screw holes to end of lip
- Lip lengths 1" (25mm), 1-1/4" (32mm) standard, 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm) and 3" (76mm)
- To order strike separately, specify 800 strike x finish x lip length



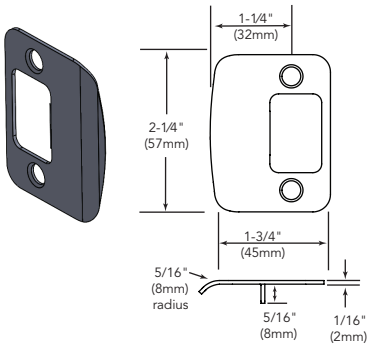
4-7/8" Curved Lip Strike: (28-Option)

- Brass, bronze or stainless steel
- Conforms to ANSI standard
- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- Lip lengths: 7/8" (22mm), 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-5/8" (42mm), 1-7/8" (48mm), 2-1/8" (54mm), 2-3/8" (60mm), 2-5/8" (66mm), 2-7/8" (73mm) and 3" (76mm)
- To order strike separately, specify 808 strike x finish x lip length



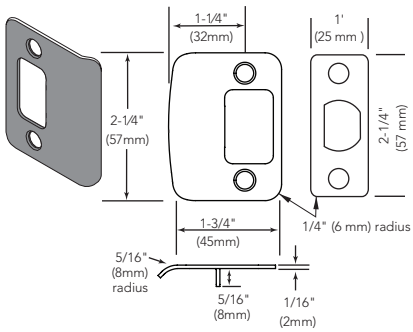
2-1/4" Full Lip Strike (14- Option)

- Brass or stainless steel
- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- Radius corners
- No other lip lengths available
- Adjustable tab (standard) to reduce door movement when latch is engaged in strike
- To order strike separately, specify: 505 strike x finish



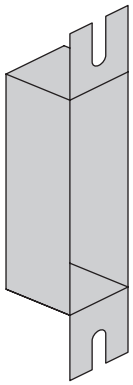
2-1/4" (57 mm) Full Lip Strike (13- Option)

- Lockset x Front and Strike with 1/4" (32 mm) Radius and 2-3/8" (60 mm) Backset
- To order strike separately, specify: 505 x finish
- Adjustable tab to reduce door movement when latch engaged in strike standard



ANSI Wrought Strike Box

- Used with ANSI 4-7/8" (124 mm) strike (#808)
- To order with lock, specify option WBS
- To order separately, specify 77-1141



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Options/Finishes

OPTIONS

12	UL/cUL Listed for 3 hour Fire Rated doors
13	Lockset x Front & Strike with 1/4" Radius and 2-3/8" Backset
14	505 Full lip strike
20	2-3/8" backset latch with square corner 2-1/4" x 1" front
28	Strike #808. Lip length 1-1⁄4"
31	1-7/8" to 2" thick door—centered in door
SG	MicroShield® – antimicrobial powder coat (Available on 26D, and 32D Finishes only)
TB	Through-bolting for DLU93 Function
WBS	Wrought Box Strike

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

FINISHES

SARGENT	Description	ANSI/BHMA
03	Bright brass, clear coated	605
04	Satin brass, clear coated	606
09	Bright bronze, clear coated	611
10	Satin bronze, clear coated	612
10B	Dark oxidized satin bronze, oil rubbed	613
10BE	Dark oxidized satin bronze, equivalent	(613E)
10BL	Oxidized satin bronze, clear coated	614
14	Bright nickel plated, clear coated	618
15	Satin nickel plated, clear coated	619
20D	Statuary dark bronze, clear coated	624
26	Bright chrome plated	625
26D*	Satin chrome plated	626
32	Bright stainless steel	629
32D*	Satin stainless steel	630
BSP	Black Suede Powder Coat	—
WSP	White Suede Powder Coat	—

Refer to page 8 for ordering Gramercy Levers.

* MicroShield® - optional designate SG- option (Available on 26D and 32D Finishes only)

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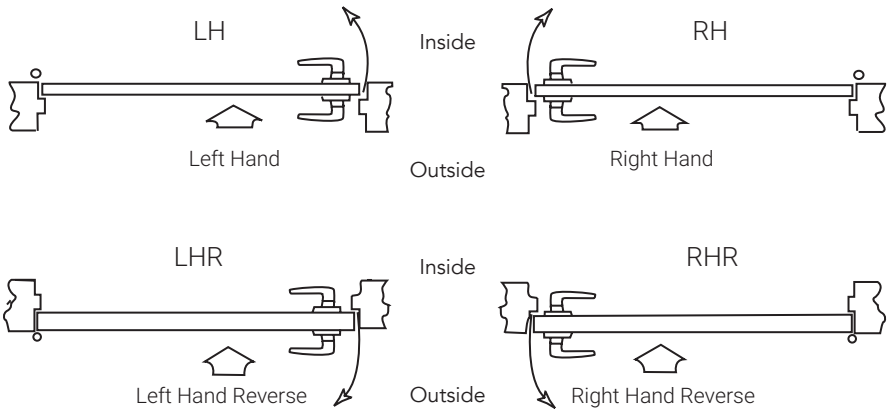
How to Order/Specify Handing

HOW TO ORDER DL SERIES TUBULAR LOCKS

Series	Function	Rose	Lever	Hand	Finish
DL	U15	TO	MD	RH	26D

HOW TO SPECIFY HANDING

Door hands determined from outside (secure side) of door.



***When ordering single dummy trim with handed levers:**
Order the hand to match the hinge location on the same side of the door where the trim will be installed.

- When viewing trim side and hinges are on the right, order **Right Hand**
- When viewing trim side and hinges are on the left, order **Left Hand**.

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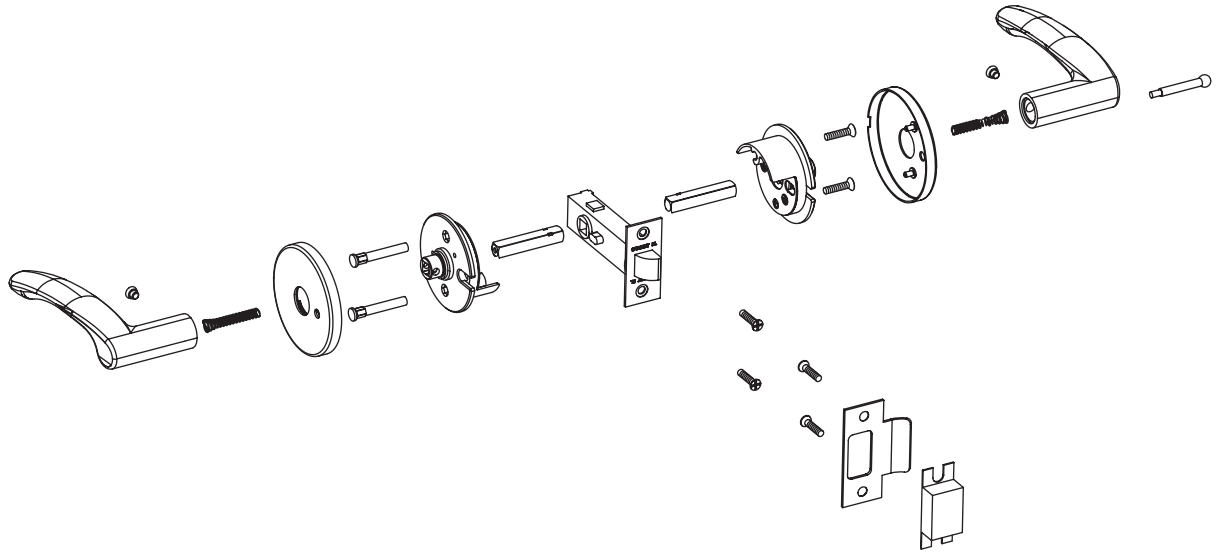
Architectural Specifications

EXPLODED VIEW



ARCHITECTURAL SPECIFICATIONS

2.0 Tubular Locksets

A. Locksets shall be either standard tubular (DL Series) as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Locks shall be field reversible for handing with bi-directional lever operation.

C. The DL Series locks mount in a standard ANSI 161 door preparation (2-1/8 inch dia.) without additional through-bolt preps.

D. Lockset levers shall be made of solid material with no plastic fillers.

E. Locks shall have a 2-3/4" (70mm) backset standard, with 2-3/8" (60mm) offered as an option.

F. Strikes shall be non-handed with a curved lip.

G. Locks shall have a one year limited warranty.

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Notes

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90102 09/25

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PRODUCT CATALOG

Signature® Series

Experience a safer
and more open world

SARGENT
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Signature® Features and Key Management Software 3
Simple K Software Order Form 4
Signature Components 5
Mortise & Rim Cylinders 6
Bored Locks Cylinders 7
10-6300 LFIC Cylinders and 6300 Series Tools 8
Key Blanks/Cut Master Keys 9
Visual Key Control 10
Keyway Control 11
Construction Master Keying (21- Option) 12
Registration Forms 13
How to Order/Special Features. 14

POLICY

The SARGENT® Signature® protected cylinders and keys are available through the normal channels of distribution.

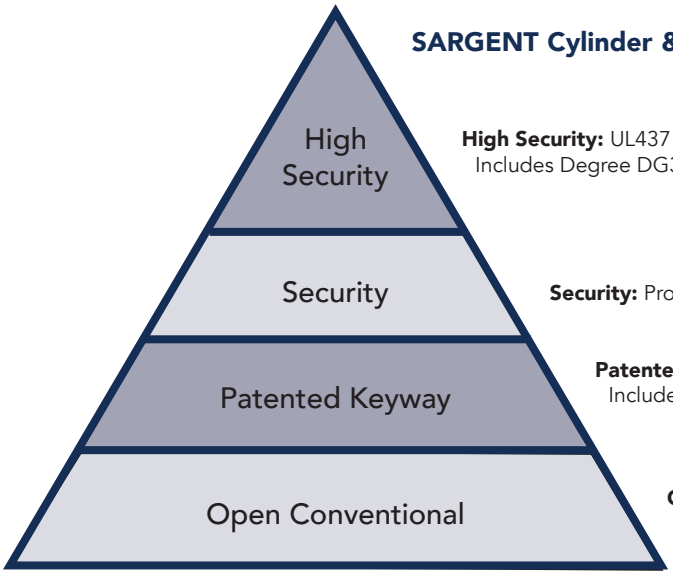
Assignment of unique SARGENT Signature patterns must be pre-approved by the factory.

A letter requesting a SARGENT Code Pattern Registration Form must be sent to the Key Records Department in New Haven, CT.

Signature patterns will be issued by predefined geographical boundaries and assigned in accordance with a standard factory policy. This policy would not reuse the same key way with the same Signature dimple pattern in the same state or adjacent states providing a large area of exclusivity. For example a system in Connecticut would not be reused in New York, Massachusetts or Rhode Island.

A letter of authorization under the letterhead of the End-User must accompany any purchase orders for any products which involve SARGENT's Signature cylinders and/or keys.

SARGENT Signature patterns are assigned at the End-User level.



SARGENT Cylinder & Key Control Products

High Security: UL437 Drill & Pick-Resistant Systems offer protection against physical attacks. Includes Degree DG3, and UL-Keso F1.

Security: Protection against picking. Includes Degree DG2, Signature and Keso F1.

Patented Keyway: Keys are protected against unauthorized duplication. Includes Degree DG1.

Open Conventional: Legacy systems whose patents have run out and are not protected.

⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

* See product catalogs for more information

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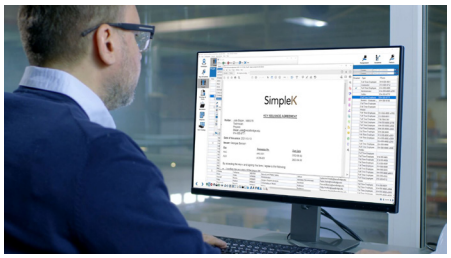
SimpleK Master Key System and Key Management Software

SimpleK



SimpleK is a flexible and intuitive software program that streamlines and simplifies the complexities of managing master key systems, keys, and facilities. It combines all tools needed by locksmiths, facility managers, security officers, and anyone else involved in the key management processes.

The software provides total key control with audit trails, outstanding keys, overdue keys, tools for the rekeying process, and more. SimpleK software allows you to import maps and floor plans to see who has access to each individual door, the associated keys, and hardware on the opening.

SimpleK allows you to manage keys and keying systems of all sizes and types. This includes: Medeco, Corbin Russwin, ASSA ABLOY ACCENTRA®, SARGENT, ASSA, ABLOY, Schlage®, Best®, and many others.

Features:

- Advanced tools for locksmithing and key control
- Manage all key systems (unlimited number of records)
- Robust import tools to bring current data into SimpleK
- Interactive floor plans
- Master key system design and expansion
- Key requests, approvals, issuances, and returns workflow
- Cylinders and core pinning (verifies key interchange)
- Door-Key association visualization and rekeying solution
- Easily identify keys, access, and hardware on openings
- Visibility to audit trails and outstanding/overdue keys

SimpleK – Standard Edition

Description	Part Number
Primary License (3 users)	SMK040-30
Updates & Support Plan on Primary License, 1 year	SMK040-31

SimpleK – Professional Edition

Description	Part Number
Primary License (3 users)	SMK042-30
Additional license	SMK042-32
Updates & Support Plan on Primary License, 1 year	SMK042-35
Updates & Support Plan on Additional License, 1 year (per Add. Lic.)	SMK042-33

Add-On Modules

Description	Part Number
Item Tracking	SMK032-31
Web Interface	SMK032-33
Room Management	SMK032-35
Mobile Applications	SMK032-37

For more information, customer service or technical support, please call SimpleK at 800-315-0454 or visit www.simplek.com.

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SimpleK Software Order Form

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Form is required for all SimpleK Software orders.

Brand*	
Distributor Purchase Order Number*	
Distributor Account Number*	
Part Number*:	**Standard Edition** ☐ SMK040-30 Primary License (3 users) ☐ SMK040-31 Updates & Support Plan on Primary License, 1 year **Professional Edition** ☐ SMK042-30 Primary License (3 users) ☐ SMK042-32 Additional license ☐ SMK042-35 Updates & Support Plan on Primary License, 1 year ☐ SMK042-33 Updates & Support Plan on Additional License, 1 year (per Add. Lic.) **Add-On Modules** ☐ SMK032-31 Item Tracking ☐ SMK032-33 Web Interface ☐ SMK032-35 Room Management ☐ SMK032-37 Mobile Applications
To receive your SimpleK license and download link with instructions for your new software package, the following End User Information is required:	
Company/Institution Name*	
Mailing Address*	
City*	
State/Province*	
Zip/Postal Code*	
Country*	
Primary Point of Contact*	
Telephone*	
Email Address where license and download link will be sent*	

*Required field

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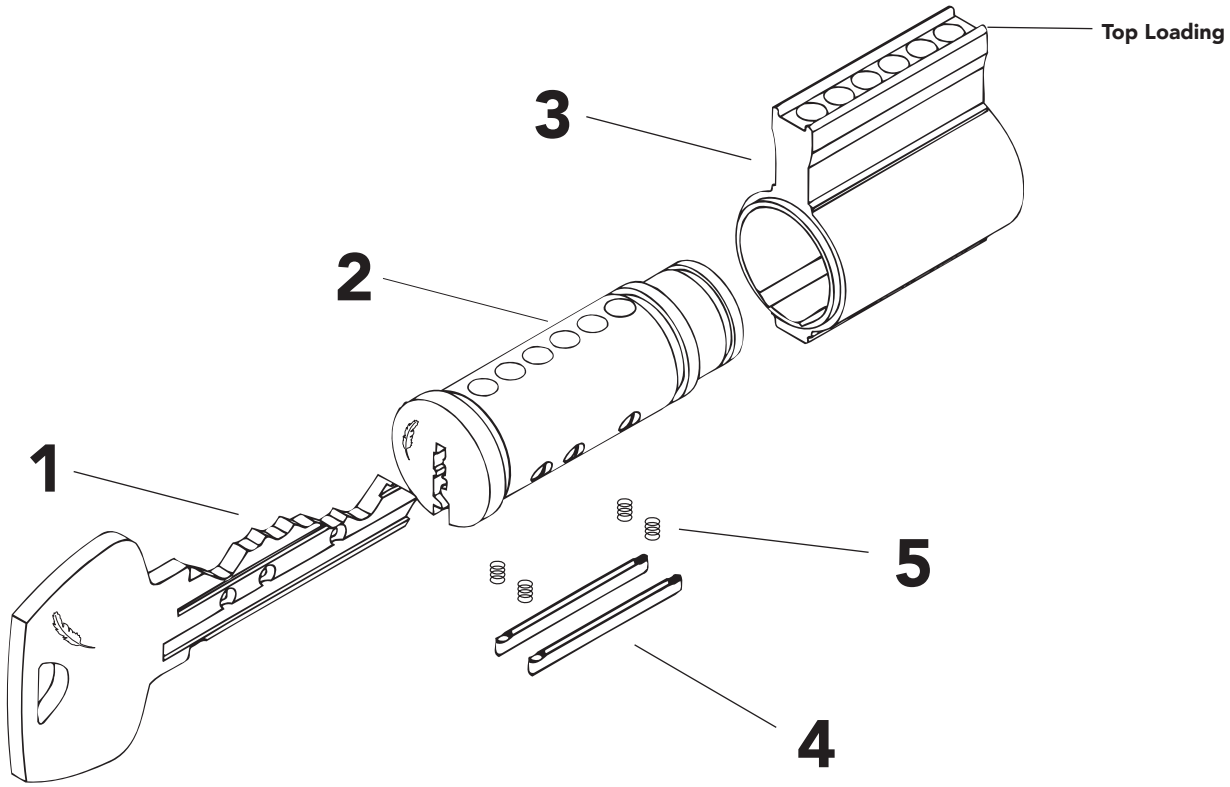
Signature Components

Extra security, exclusive end-user pattern, and protected key control are the main benefits of the Signature Series. The protected key design provides additional control over unauthorized key duplication, while the cylinder's unique design resists attempts at manipulation. The Signature feature is offered in the majority of Sargent keyways to provide a perfect solution to upgrading the level of control in an existing masterkey system.

The Signature key system is ideal for existing facilities that would like to upgrade to a protected key system with minimal effort.

The Signature key system consists of a 6 pin cylinder with 2 added blocking bars with shear lines (item 4) which work in conjunction with 6 factory loaded side pins. The side pin depths and locations vary and only work with a corresponding dimpled key. Non Signature keys are prevented from being inserted into the Signature cylinder. Signature keys can operate non-Signature cylinders.

Signature can easily be blended into most existing key systems while allowing the end user one master key that will open both Signature and non-Signature cylinders.



KEY BLANK

1 Standard key bitting can be accomplished in the field with any industry standard duplicating or code cutting machine.

SIGNATURE BARREL (PLUG)

2 Unique Signature pattern code pins factory loaded. Field servicing not required.

SIGNATURE BODY

3 Grooved to function with offset blocking bar assemblies.

SIGNATURE OFFSET BLOCKING BAR

4 **(2) Two per cylinder.**
Locks out all but correctly dimpled and bitted keys.

SIGNATURE OFFSET BLOCKING BAR SPRINGS

5 **(4) Four per cylinder.**
Two per offset blocking bar. Supplies required spring force to prevent compromise of offset blocking bars by anything other than a correctly dimpled and bitted key.

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Mortise & Rim Cylinders

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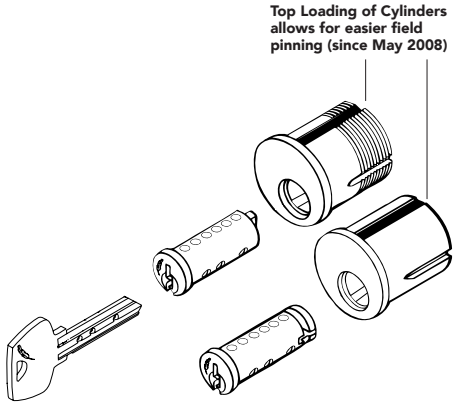
Mortise/Rim Cylinders

	Complete 6 Pin Assembly*	Barrel**	Body & Slide Assembly	Cylinder Length
40 Series Cylinder	10-41	13-3835	13-3726	1-1/8"
	10-42	13-3836	13-3727	1-1/4"
	10-43	13-3837	13-3728	1-3/8"
	10-44	13-3838	13-3729	1-1/2"
	10-46	13-3839	13-3730	1-3/4"
	10-48	13-3840	13-3731	2"
	10-50	13-3841	13-3732	2-1/4"
	10-52	13-3842	13-3733	2-1/2"
	10-54	13-3843	13-3734	2-3/4"
	10-56	13-3844	13-3735	3"
Rim Cylinder	10-34	13-3845	13-3847	



- Cylinder: Solid brass, 1-5/32" (29mm) diameter
- Cap: Brass, bronze or stainless steel
- Available for all functions, except 50 function
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- Mortise cylinder assemblies that are ordered without hardware are supplied with standard SARGENT offset cam 13-0664
- Cylinder finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 32, 32D, BSP, WSP
- Plug finishes: 4, 15, BSP

* Cylinders offered in the following finishes: US 3, 4, 9, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP, WSP

** Barrels offered in US 4, 15, and BSP only

OPTIONAL CAMS FOR 10-40 SERIES MORTISE CYLINDERS*

Standard Cam
(13-0664)

Standard Cam
10-41 thru 10-56

#105
(13-0665)

Short cam for 8292 and 8216 functions inside only

#101
(13-0512)

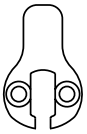
Adams Rite
1850, 4700

#113
(13-0921)

SARGENT 4370 Series key switches

#106
(13-0938)

"Open" Schlage "L"

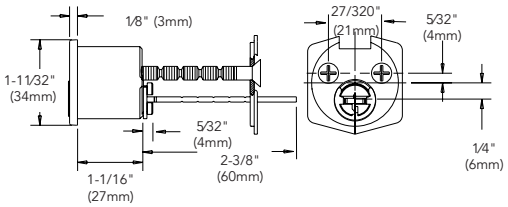


#112
(13-0097)

"Open" Misc.

10-34 RIM TYPE CYLINDERS

- Complete assembly (6 pin), specify 10-34
- Plug assembly, specify 13-3845
- Shell & slide assembly, specify 13-3847
- 27/32" (21mm) screw pattern for through-bolted SARGENT exit devices
- Cylinder: Solid brass
- Cap: Brass, bronze or stainless steel
- Furnished standard with "break-off" screws and back plate
- Optional collars/spacers available and ordered separately, refer to product catalogs for additional information
- Horizontal tail piece only
- Cylinder finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 15, 20D, 32, 32D, BSP, WSP
- Plug finishes: 4, 15, BSP



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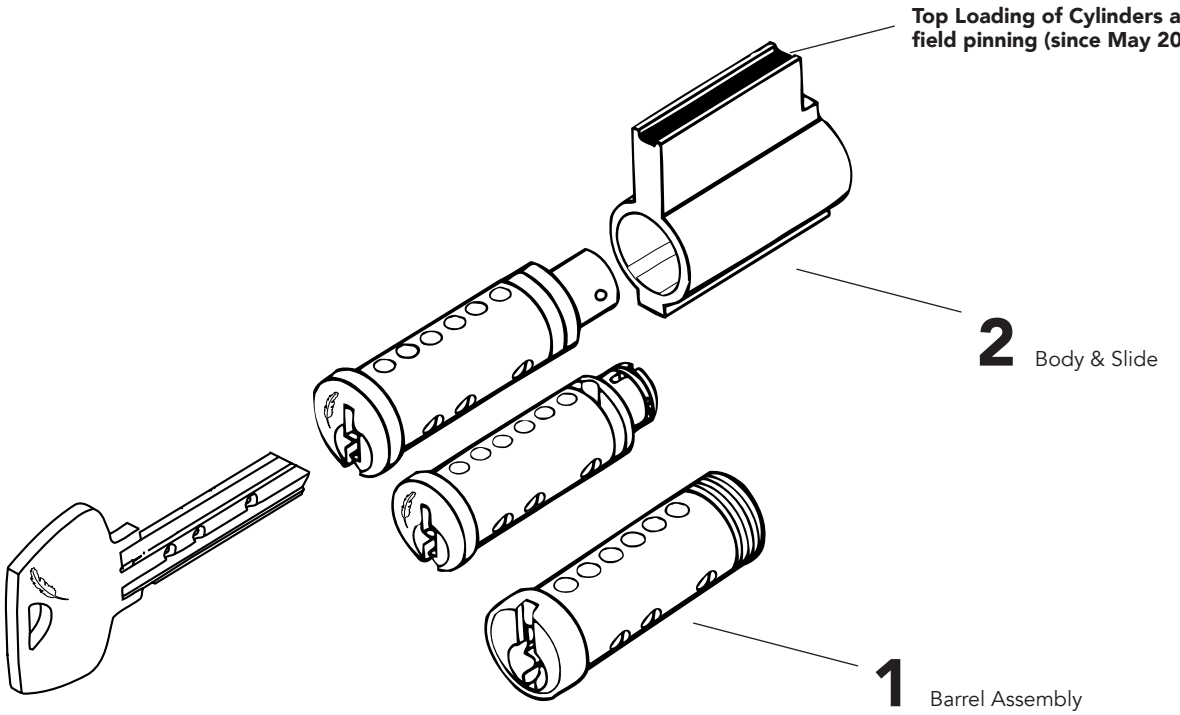
Bored Locks Cylinders



BORED LOCKS

Functions	Lockset	Assembly	Barrel Assembly #1	Body & Slide #2
All except 50 function	11 Line	10-C11-1	13-3851	13-3710
All except 50 function	10X Line	10-C10X-1	13-3851	13-3710
All except 50 function	10, 8L, 7 Lever, 6500	10-C10-1	13-3851	13-3710
All except 50 function	9, 8*	10-C8-1	13-3850	13-3852
All except 50 function	6 "S","N"	10-C6-1	13-3851	13-3710
All except 50 function	6 "B"	10-C6-1B	13-3851	13-3710
All except 50 function	8X	10-C8X-1	13-3938	13-3937

AUXILIARY LOCKS (DEADBOLTS)

Lockset	Assembly	Barrel #1	Body #2
474, 484	10-C480-1	13-3849	13-3855
475, 485, 487	10-C480-2	13-3849	13-3855
486	10-C480-3	13-3849	13-3855
464*	10-C460-1	13-3849	13-3854
465*	10-C460-2	13-3849	13-3854

Note: Parts on this page reflect only those that are unique to the Signature feature. For all other cylinder components, refer to the standard cylinder section

Cylinders offered in 04, 15, & BSP only

For products not listed, contact factory for availability

* Discontinued Product Line

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10-6300 LFIC Cylinders and 6300 Series Tools

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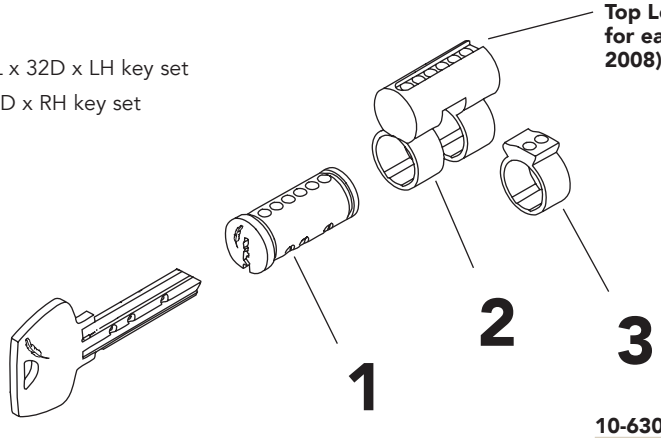
Signature LFIC core cylinders offer a protected cylinder with the convenience of quickly changing cores without lock disassembly. Consult individual product catalogs for availability.

Ordering examples:

10 Line Cylindrical – 10-63-10G05 LL x 32D x LH key set

8200 Mortise – 10-63-8204 LNL x 32D x RH key set



Top Loading of Cylinders allows for easier field pinning (since May 2008)

10-6300 LFIC can be used with:

- 10-63-34 Rim Cylinders
- 10-63-40 Series Mortise Cylinders (in Sizes 42 (1-1/4"), 43 (1-3/8"), 44 (1-1/2") & 46 (1-3/4")
- 10-63-11 Line (T-Zone Locks)
- 10-63-10 Line Locks
- 10-63-7 Line Locks
- 10-63-6500 Series
- 10-63-8 & 10-63-9 Line Bored Locks
- 10-63-758 Padlocks
- 10-63-858 Padlocks

Note: Not available with the UL option

- 6300 Cams are factory installed and are not removable
- 6300 Cams are not sold separately
- Specify required Cam as a suffix: 63-44-105 cam
- For Standard Cam: No Suffix is required

Standard
6300 Series Cam

#105
Cam for 6300 Series 16 & 92 mortise function locks

#101
ADAMS RITE 1850 4710

#106
Schlage "L"

#113
4370 Series key switch

#112
Wide Straight

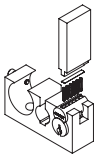
10-6300 Cores

Complete Core	10-6300 x finish
#1 Barrel	13-0976
#2 Body Only	13-0977
#3 Sleeve	13-1074
Slide (Not Shown)	13-0797/ 13-1341*

* Slides for cylinders mfg after 3/06

436-1 Slide Block Kit

- Includes fixture and staking tool for use only with the (10)- 6300 Series Cylinders manufactured after March 2006 for the ease of top loading in the field
- The kit includes 100 each slides (p/n 13-1341), Staking Block and staking tool
- Cylinders manufactured after March 2006 will not include the box around the SARGENT logo and can be used with this kit



Cores without a box around the word "SARGENT"

Note: Cores made prior to March 2006 can be bottom loaded or top loaded with slide 13-0797, which must be staked.

432 RC TOOL FOR 6300 LFIC (REMOVABLE CORE)

- The 432 RC tool to assist in installing SARGENT LFIC (Removable Core) Mortise Housings. This tool makes it easy to thread a cylinder body into a Mortise lock and can also be used to check the cylinder function of a lock before installing the cylinder core
- Order as: 432 RC for the 6300 LFIC (Removable) Core Installation Tool

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Key Blanks/Cut Master Keys

PART NUMBERS

All Signature key blanks are stamped at the factory with the Quill Logo and the individual Signature pattern. The Signature key blanks with the end user's unique dimple pattern are available only from SARGENT.

Available Keyways: L and R. For other sections, call factory.

Orders for these key blanks must be accompanied by a letter of authorization under the end user's letterhead. This letter must contain the required key section(s) and appropriate authorizer's identification

The Signature Key Blank for field cutting and stamping key is offered in two styles.

Version one: The key blank has the standard SARGENT logo embossed on one side. The other side has the Signature Quill Logo, Do Not Duplicate, specific Signature code pattern, keyway and space for one additional line of stamping such as key set.

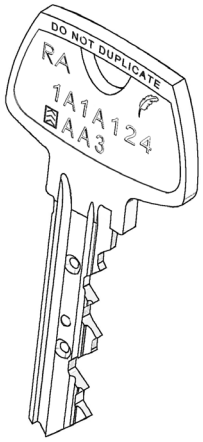
Version two: The key is less SARGENT logo. This allows for additional space for optional stamping such as custom field stamping. The other side has the Signature Quill Logo, Do Not Duplicate, specific Signature code pattern key way and one additional line for stamping such as key set. Key set symbols or alternate symbols will be stamped on all master keyed orders.

Two types of Signature featured key blanks are available for specific Keyway (sections) configurations: the day key or single key section, and the Master Keyway sections.

10-S6275 Day Key x keyway
10-S6270 Master Section x keyway

Note: Sold in boxes of 50 per keyway

For cut master and control keys order by the following #s:
Change (Day) key 10 S6272 CHK
Master or Grandmaster 10-S6272 MK
Control Key 10-S6272 CTL
Control Key 10-S6255 CTL used with 1 bitted 10-6300 cores



Key bittings can be cut on any industry standard key cutting machine.

437S SIGNATURE KEYING KIT

Used to service SARGENT Signature cylinders. Includes all of the same components as the 437C. Includes the brass pins, springs and tools needed to rekey SARGENT conventional, XC cylinders (Except SFIC) and interchangeable cores master keyed after January 2009. This heavy duty steel kit prevents pins from mixing. The kit includes 100 each of top springs 13-0265,100 each 13-1769 springs used with standard drivers in the (10-) 6300 cores and 100 each of bottom and master/driver pins used in the following multi-family keyways: LA, RA, HA, CA, AA, BA, GA, KA, NA and VA.

Note: When repining SARGENT 10-6300 large format interchangeable cores use hollow drivers in chambers 3 and 4 as found in the 437 RC keying kit.

Tools included with kit are:

- Tweezers, 13-0498
- Bitting Gauge #435
- Loading Thimble ("Plug Holder" LT2)
- Loading Rod for 6, 8, 10, 11, mortise & rim cylinders, 13-1034
- Loading Rod for 480, 470, 460 and 6300 Cores, 13-1035
- Loading Rod Blades 13-1138 and 13-1037
- See Table on Page 16 for pins included in Cylinders and Components catalog
- 100 Blocking Bar Springs, 13-0986
- 10 each Blocking Bars, 13-1109
- 1 each Field Service Tool, 13-3916

When pins are sold separately, they are packaged in easy to see and use foil & plastic packages in quantities of 100 per size.

437 RC LARGE FORMAT INTERCHANGEABLE (REMOVABLE) CORE KEYING KIT

Use with the 437C or 437S kit. Includes additional pins to repin SARGENT 6300 and 10-6300 Large Format Interchangeable (Removable) Core cylinders that have been pinned using the hollow drivers.

The kit includes special hollow top driver pins and springs which are used in the 3rd and 4th chambers of master keyed cores.

These pins are in the same increments as standard pins.

Each kit includes:
- 100 each hollow top pin springs, 13-0487
- 50 each cylinder retainers, 01-0660
- 50 each (hollow top pins)

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Visual Key Control

VISUAL KEY CONTROL (STAMPING)

To allow for easier key and cylinder identification, SARGENT offers the option for permanent stamping of keys and/or cylinder with industry standard alpha-numeric keyset symbols.

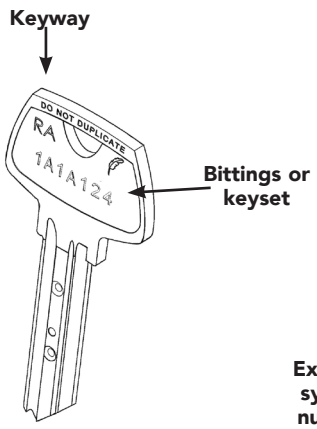
Non-visual key control stamped change (day) keys include keysets as standard, (Item A) unless specified in keying order lead sheet submitted with order requesting to be omitted and substituted with bitting numbers.

Master level keys do not include bitting numbers. Master level keys include system register numbers stamped on the first line, and the standard visual key control designations on the second line (Item B).

Up to 7 characters available for permanent stamping for Visual Key Control

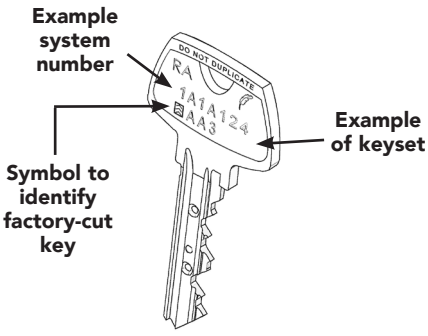
- Key and cylinder identified by industry standard alpha-numeric keyset symbols
- Concealed stamping on mortise and rim cylinders and bored lock cylinders available on the slide only (Item D or I)
- Cylinder-slide stamping available on 5100 and 6300 SARGENT LFIC (removable) cores, bored lock, mortise/rim cylinders (Item E, I D)
- Core side engraving available for 7300B Series up to 7 characters (Item F)
- Special key stampings available, such as “DO NOT DUPLICATE” or “CITY OF PHOENIX”
- XC and Signature cylinders not available with visual plug stamping
- XC and Signature cylinders available with only concealed slide stamping (Item D, E and I)
- Signature LFIC 10-6300 available with cylinder slide stamping (Item E)

Note: SARGENT will stamp alternate identity codes on cylinders and/or keys whenever requested. This alternate stamping can not be different if both are to be stamped. Master Level Keys can also be stamped with a single alternate code



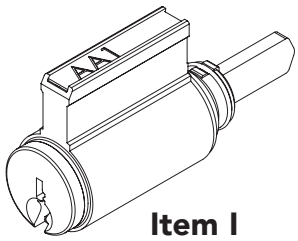
Item A

Change (Day) Key Stamping

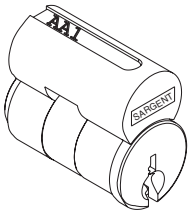


Item B

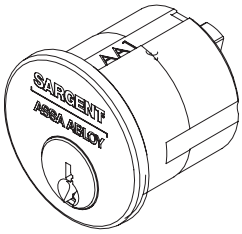
Master Level Key Stamping



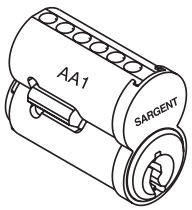
Item I



Item E



Item D



Item F

TAMPER PROOF PACKAGING

For the highest level of security for the end user, Tamper Proof Packaging is used on all Master Keys, Signature key blanks and all restricted key blanks. This heat sealed shrink wrap identified with “SARGENT Sealed For Your Security” provides assurance of the integrity of the factory generated key system.

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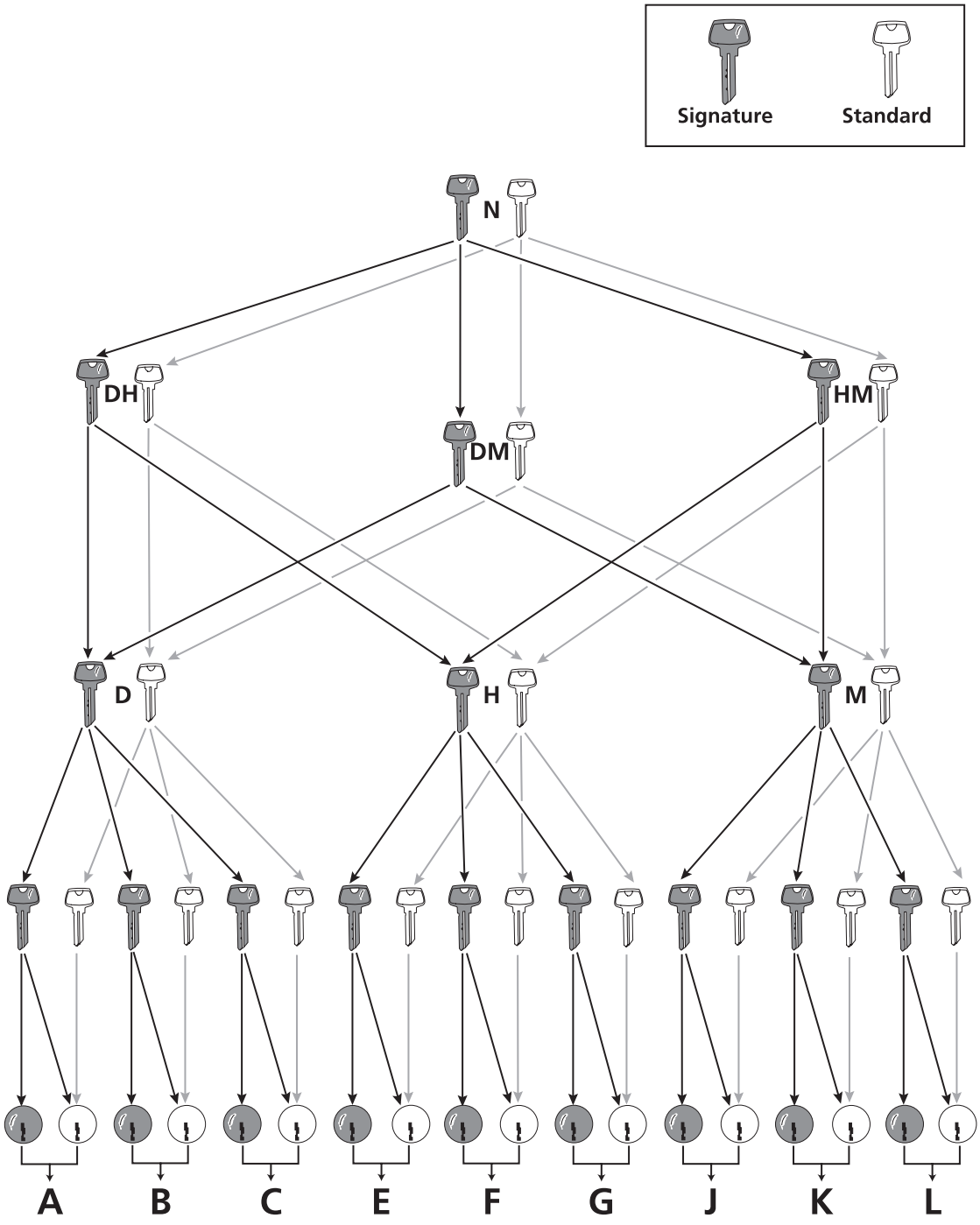
Keyway Control

SIGNATURE VS. STANDARD KEYWAY CONTROL



SARGENT Signature keys are produced with a special feature that allows them to operate Signature cylinders as well non-Signature cylinders within the same keyway family. The standard key does not contain the special feature which allows it to operate a Signature cylinder but will continue to operate non-Signature cylinders.

Signature key system can be easily blended into most existing facilities using the existing keyways (contact key records), but with the additional feature that allows operation only with Signature Keys. This prevents unauthorized access with a minimum effort. Typically all exterior cylinders and selected interior cylinders are upgraded to Signature to immediately stop unauthorized access, while still allowing one master to operate both types of cylinders.

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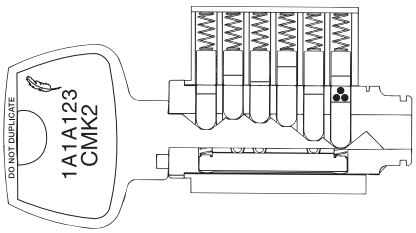
Construction Master Keying (21- Option)

SARGENT
ASSA ABLOY

WITH CONSTRUCTION KEY IN CYLINDER

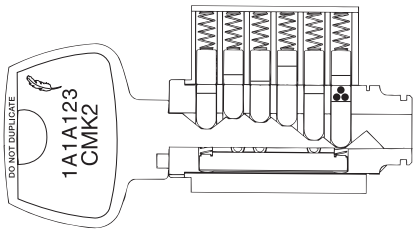


The SARGENT Signature Cylinder employs what is known in the industry as the "Lost Ball" method of Construction Master Keying. Use the 21- as the option when ordering this feature.

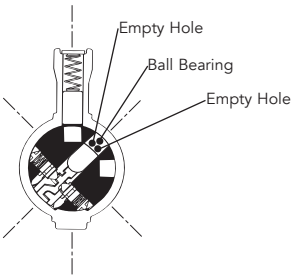
Note: Adding this feature to an existing SARGENT Master Key system may not be possible. Contact SARGENT key records department if this feature is required in an existing system

The SARGENT Signature Cylinder with "Lost Ball" method of Construction Master Keying is not offered with 10-63-. The 64- option is offered for construction keying when 10-6300 permanent cores are to be used.

WITH CONSTRUCTION KEY IN CYLINDER



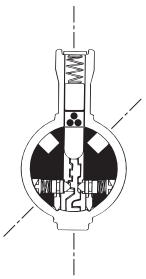
CONSTRUCTION KEY ROTATING CYLINDER PLUG



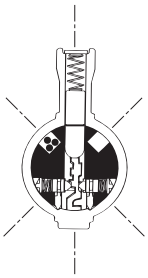
Example shows "Lost Ball" construction feature in last chamber of cylinder. Construction feature can be used in any chamber.

The ball bearings lie flat with one positioned behind the other. They are not stacked.

TO VOID CONSTRUCTION KEY USING THE DAY/CHANGE KEY

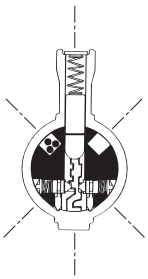


Change key inserted in cylinder.



Change key rotated to position for extraction. Construction key now voided from cylinder.

Change key rotating. Construction balls fall into hole in the side of plug.



Construction key inserted after balls are trapped. Driver now extends into plug chamber. Construction key will not rotate.

Note: Ball bearings shown are for illustration purposes only. They do not stack, they align next to each other and lay flat.

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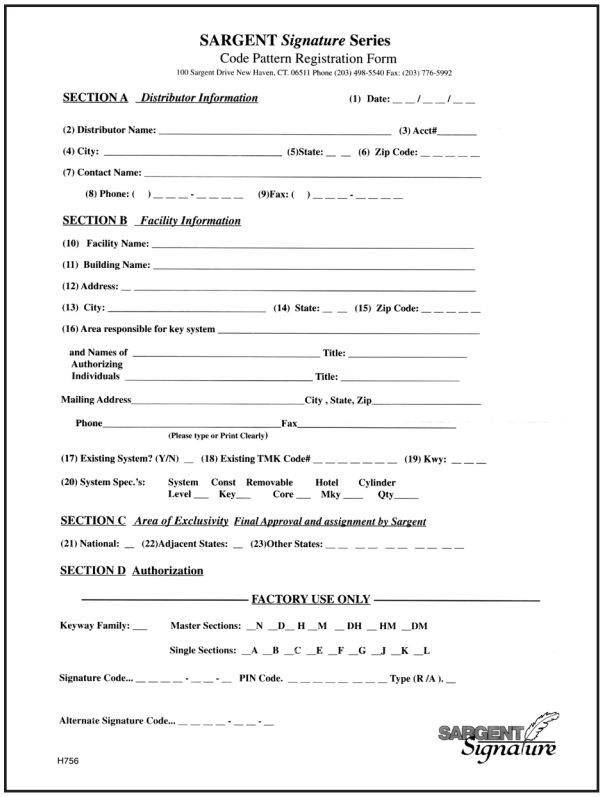
Registration Forms

SIGNATURE CODE PATTERN REGISTRATION FORM



SARGENT *Signature* Series
Code Pattern Registration Form
100 Sargent Drive New Haven, CT. 06511 Phone (203) 498-5540 Fax: (203) 776-5992

SECTION A *Distributor Information* (1) Date: __ __ / __ __ / __ __

(2) Distributor Name: _____ (3) Acct#_____
(4) City: _____ (5)State: __ __ (6) Zip Code: __ __ __ __ __
(7) Contact Name: _____
(8) Phone: ( ) __ __ __ - __ __ __ __ (9)Fax: ( ) __ __ __ - __ __ __ __

SECTION B *Facility Information*

(10) Facility Name: _____
(11) Building Name: _____
(12) Address: __ _____
(13) City: _____ (14) State: __ __ (15) Zip Code: __ __ __ __ __
(16) Area responsible for key system _____
and Names of Authorizing Individuals _____ Title: _____
_____ Title: _____
Mailing Address_____City , State, Zip_____
Phone_____Fax_____
(Please type or Print Clearly)
(17) Existing System? (Y/N) __ (18) Existing TMK Code# __ __ __ __ __ __ __ (19) Kwy: __ __ __
(20) System Spec.'s: System Level ___ Const Key___ Removable Core ___ Hotel Mky ____ Cylinder Qty____

SECTION C *Area of Exclusivity Final Approval and assignment by Sargent*

(21) National: __ (22)Adjacent States: __ (23)Other States: __ __ __ __ __ __ __ __ __

SECTION D Authorization

FACTORY USE ONLY

Keyway Family: ___ Master Sections: __N __D__ H __M __ DH __ HM __DM
Single Sections: __A __B __C __E __F __G __J __K __L
Signature Code... __ __ __ __ - __ __ - __ PIN Code. __ __ __ __ __ __ __ __ Type (R /A). __
Alternate Signature Code... __ __ __ __ - __ __ - __

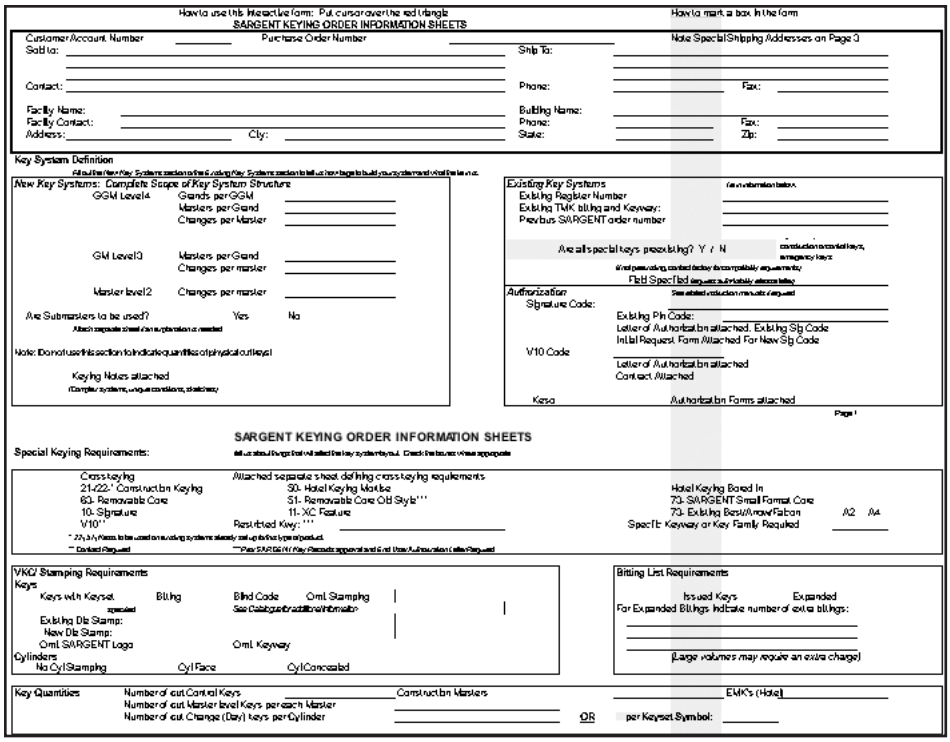
SARGENT Signature

H756

The Signature Code Registration Form must be submitted prior to any purchase orders for products. This for is available from your authorized SARGENT distributor or SARGENT key records dept. @ 1-800-727-5477.

The information on this form is used by computer software to select the unique Signature code pattern for each key system and monitor the selection process to insure code patterns are not duplicated within the pre-defined area of exclusivity.

COVER SHEET FOR ALL KEYED ORDERS



How to use this Interactive form: Put cursor over the red triangle — How to mark a box in the form

SARGENT KEYING ORDER INFORMATION SHEETS

Customer Account Number _____ Purchase Order Number _____ Note Special Shipping Addresses on Page 3
Sold to: _____ Ship To: _____
Contact: _____ Phone: _____ Fax: _____
Facility Name: _____ Building Name: _____
Facility Contact: _____ Phone: _____ Fax: _____
Address: _____ City: _____ State: _____ Zip: _____

Key System Definition

New Key Systems: Complete Scope of Key System Structure
GGM Level4 Grands per GGM _____
Masters per Grand _____
Changes per Master _____
GM Level3 Masters per Grand _____
Changes per master _____
Master level2 Changes per master _____
Are Submasters to be used? Yes No
Note: Do not use this section to indicate quantities of physical cuttings!
Keying Notes attached

Existing Key Systems
Existing Register Number _____
Existing TMK bitting and Keyway: _____
Previous SARGENT order number _____
Are all special keys present bitting? Y / N
Field Specified
Authorization
Signature Code: _____
Existing Pin Code: _____
Letter of Authorization attached. Existing Sig Code
Initial Request. Form Attached For New Sig Code
V10 Code _____
Letter of Authorization attached
Contact Attached
Kesa
Authorization Forms attached

Page 1

SARGENT KEYING ORDER INFORMATION SHEETS

Special Keying Requirements:

Cross keying
21-22-* Construction Keying
60- Removable Core
10- Signature
V10**
Attached separate sheet defining cross keying requirements
30- Hotel Keying Master
51- Removable Core Old Style***
11- XC Feature
Restricted Key: ***
Hotel Keying Based In
73- SARGENT Small Format Core
73- Existing Best/Arrow/Falcon A2 A4
Specific Keyway or Key Family Required _____

VKC/ Stamping Requirements
Keys
Keys with Keyset Bitting Blind Code Cml. Stamping
Existing Dlr Stamp:
New Dlr Stamp:
Cml. SARGENT Logo Cml. Keyway
Cylinders
No Cyl Stamping Cyl Face Cyl Concealed

Bitting List Requirements
Issued Keys Expanded
For Expanded Bittings Indicate number of extra bittings:
(Large volumes may require an extra charge)

Key Quantities
Number of cut Control Keys _____ Construction Masters _____ EMK's (Hotel) _____
Number of cut Master level Keys per each Master _____
Number of cut Change (Day) keys per Cylinder _____ OR per Keyset Symbol: _____

SARGENT has created a new order lead sheet. This form must accompany any purchase order containing product for the Signature cylinders and keys.

SARGENT recommends that the form accompany any purchase order for master keyed systems.

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How to Order/Special Features

HOW TO ORDER

In order to obtain a unique SARGENT Signature pattern, a pre-authorization form must be sent to SARGENT's Key Records department in New Haven, CT. SARGENT will reserve a specific Signature pattern for the particular end user.

All purchase orders received by SARGENT for Signature products must be accompanied by a letter of authorization from the end user, including his registered Signature pattern and 8 digit pin code.

10- option has been created to assist in identifying when a SARGENT product include the Signature cylinder feature.

When ordering, use 10- as the option to indicate that the product requires the Signature feature (e.g.,10-8226 LNL x 32D, 10-10G05 LL x 32D, etc.)

If other options are being used, be sure that the Signature option appears first (e.g., 10-63-10G05, 10-21-8226 x 32D, etc.)

SPECIAL FEATURES: VKC AND CUT KEY OPTIONS

Visual Key Control
Visual Key Control will incorporate the standard industry key symbol identification. The Visual Key Control feature will appear on the key blank only. Stamping on the face of the barrel is not possible due to space limitations and security reasons. Concealed stamping of the key set on the slide is available as an option. All keys will have the Signature facility code with the Signature Quill logo.

Special Key Blank Stamping
The Signature Key Blank is offered in two versions to accommodate a variety of key bow stamping options.

Version one: The key blank has the standard SARGENT logo embossed on one side. The other side has the Signature Quill Logo, Do Not Duplicate, specific Signature code pattern, keyway and space for one additional line of stamping such as key set.

Version two: The key is less SARGENT logo. This allows for additional space for optional stamping such as custom field stamping. The other side has the Signature Quill Logo, Do Not Duplicate, specific Signature code pattern key way and one additional line for stamping such as key set.

Key set symbols or alternate symbols will be stamped on all master keyed orders.

Finish Ordered	Plug/Shell	Cylinder Housing (Mortise/Rim)
03	04	03
04		04
09		09
10		10
10B		10B
10BE		10BE
722		722

Finish Ordered	Plug/Shell	Cylinder Housing (Mortise/Rim)
14	15	14
15		15
26		26
26D		26D
32		32
32D		32D
WSP		WSP
BSP	BSP	BSP

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Notes

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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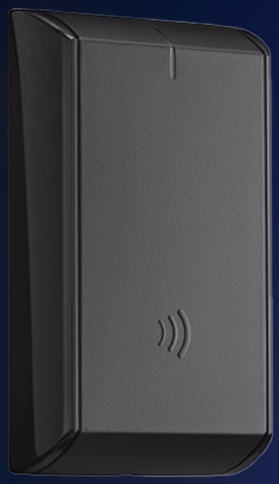


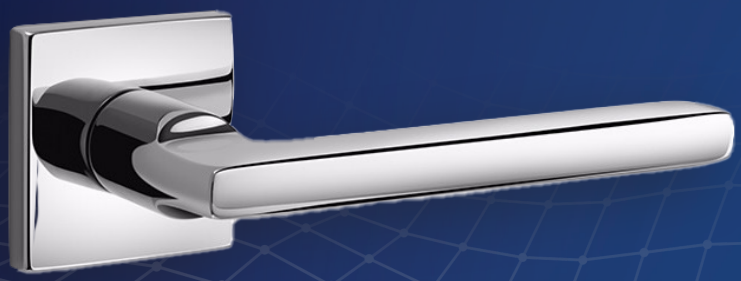
PRODUCT CATALOG

IN100 Aperio® Wireless Access Control

Available through Authorized Channel Partners only.

Contact your local ASSA ABLOY Door Security Solutions sales consultant for details.

aperio™



Experience a safer and more open world

SARGENT
ASSA ABLOY

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OVERVIEW

The SARGENT IN100 lockset brings you the next generation of wireless access control in a sleek, minimalist design. Leverage your EAC or IT infrastructure to deliver advanced access control to more locations, with the flexibility and security of HID® OMNIKEY® SE technology.

ABOUT ASSA ABLOY'S AUTHORIZED CHANNEL PARTNER AND CERTIFIED INTEGRATOR PROGRAMS

The SARGENT IN100 is part of a stream of new ASSA ABLOY products that integrate with a facility's access control system. These exciting new technology-rich products require an increase in knowledge to ensure the correct selection and implementation in various environments.

To aid our customers in this area, ASSA ABLOY has created two programs that provide the necessary training to sell, order, install and service our technology products, including Aperio® wireless, Integrated Wiegand, IP-enabled and self-configurable intelligent components:

Authorized Channel Partner
ASSA ABLOY

The Authorized Channel Partner (ACP) program is open to resellers, who sell ASSA ABLOY's technology products to certified integrators and help with product selection based on the application.

Certified Integrator
ASSA ABLOY

The Certified Integrator (CI) program provides hands-on training for security systems integrators and network administrators.

Not only does this training familiarize certified integrator candidates with product features and applications, it also gives them valuable experience installing, commissioning and troubleshooting the products in a real-world environment.

For more information on the qualifications for becoming an ACP or CI, contact your local ASSA ABLOY Door Security Solutions sales consultant. For architectural specifications, consult your Door Security Solutions Representative.

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On The Cover

IN100-7978-IP-MW-E4-H005-LHR

⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

Features	Benefits
Utilizes IEEE 802.15.4 wireless communication	• Eliminates the greatest cost and inconvenience of wired access control - the wiring around the door • Leverages EAC or IP infrastructure • Ideal for hard-to-wire locations

OMNIKEY® SE Technology from HID Global®	• Provides heightened security
	• Supports:
	  • A wide range of credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
	  • HID Mobile Access® powered by Seos®, for iOS® and Android™ devices

Real-time communication	• Alarms and events are communicated in real time to the EAC system • Access decisions are determined in real time by the EAC system • Schedules and door states can be initiated/changed in real time*
Centralized decision making	• System capacities bounded by the EAC system, not the locking device • Access decisions based on current EAC system information
Privacy button*	• Allows shelter in place/local lockdown • Enables privacy capabilities for applications such as restrooms
Smart Credential Cache	• Allows previously authorized credentials to be granted access when the EAC infrastructure is offline for any reason • Can be enabled/disabled • Programmable cache size/validity time
Integrated ANSI/BHMA Grade 1 hardware, available in cylindrical lock, mortise lock, multi-point, and exit device configurations	• Flexibility to support various openings • Assurance of high quality SARGENT hardware
Superior aesthetics	• Blends into any environment seamlessly • Designed to meet the requirements of designers and architects • Available with a wide range of finishes and decorative levers • Suites with other IN Series locks, regardless of technology • Suitable for glass**, metal, and wood door types

*Access Control Partner software dependent. Contact your local ASSA ABLOY Integrated Solutions Specialist for more information.
**For all glass doors, Center Lock Housing (CLH-IN) must be used. Purchased through ASSA ABLOY Glass Solutions program.

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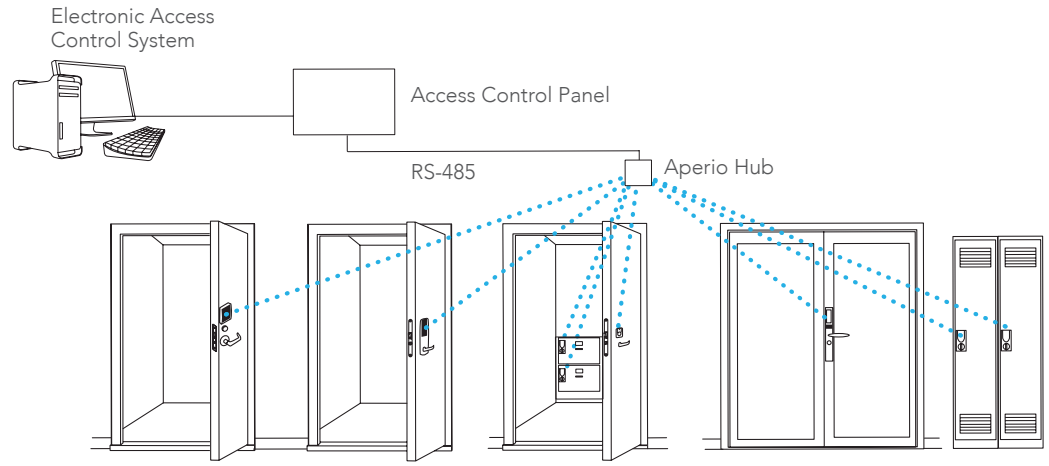
Aperio® Wireless Access Control

AN INNOVATIVE NEW APPROACH TO ONLINE ACCESS CONTROL

Aperio® technology is a global wireless platform that reduces the cost and inconvenience of traditional access control, with the flexibility to address any application.

Aperio utilizes local wireless communication between the lock and a communications hub to connect to an electronic access control system. You can easily expand the reach of existing access control systems and secure openings that would otherwise go unprotected. With the global range of Aperio-enabled locks from ASSA ABLOY, online access control can be easy and cost-effective at any opening, with standardization across locations worldwide.



IP hub also available for direct connection to IT infrastructure

Bring in natural light while ensuring secure access control
Unlock the potential of your commercial space by seamlessly integrating all-glass doors with the IN100. Enjoy heightened security, simplified access control, and an infusion of invigorating natural light, creating an environment that is both secure and radiant.

GLASS DOOR CENTER LOCK HOUSING FEATURES

- Single and double door applications
- Glass cut-out required
- No cement or silicone required for installation
- Prepped for bored and mortise lock functions
- Matching 6 3/16" x 15 3/16" Center Lock Keeper can be paired with housing for double doors
- Glass Thickness: 1/2", 9/16"
- Base Materials
  - Cover Plates: Stainless Steel
  - Housing: Aluminum
- Finishes: 32D, 32, 10BE, BSP, WSP, Stock Powder Coats

Center Lock Housing and Keeper sold separately through ASSA ABLOY Glass Solutions.

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SARGENT
ASSA ABLOY

CREDENTIAL SUPPORT:

HID® OMNIKEY® SE technology offers support for the following credentials:

- High Frequency (13.56 MHz):
  - HID iCLASS®
  - HID iCLASS SE® (SIO-enabled)
  - HID iCLASS® Seos™
  - HID MIFARE® SE
  - HID DESFire® EV1 SE
  - MIFARE Classic
  - DESFire EV1
  - DESFire EV2/EV3 (EV1 Compatibility)
  - PIV/PIV-I (40-bit BCD, 64-bit BCD, 75 bit, 128-bit or 200-bit outputs)
- Low Frequency (125 kHz):
  - HID Prox®, AWID, EM4102
- NFC & BLE-enabled Mobile Phones:
  - HID Mobile Access® (BLE and NFC)
  - Apple Wallet Seos or DESFire® (NFC)
  - Google Wallet DESFire® (NFC)
- Optional keypad
  - PIN only usage or dual authentication needs

SECURITY:

- AES 128-bit encryption
- For specific security information, please contact your local ASSA ABLOY Door Security Solutions sales representative or call 800-810-Wire.

SOFTWARE:

- Works with ASSA ABLOY Access Control Partner software, allowing simple integration into existing or new systems
- Software Development Kits (SDK) and support available to integrate into other third party access control systems.
  Email:
  OEMSupport_Group@assaabloy.com for assistance.

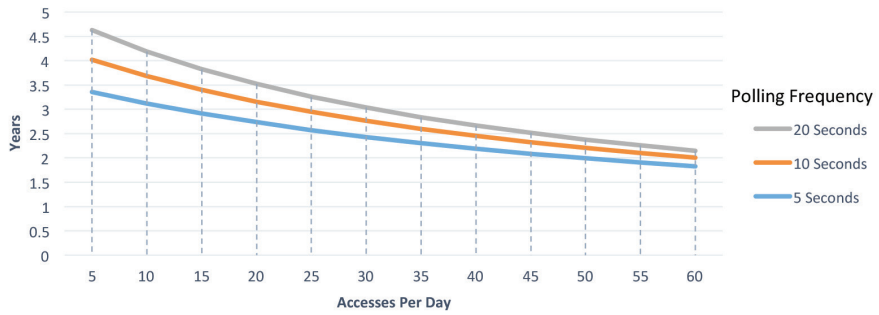
ENVIRONMENTAL SPECIFICATIONS:

- Operating temperature: -13°F (-25°C) to 151°F (66°C)
- Humidity: < 85% non-condensing
- Storage temperature: -22°F (-30°C) to 176°F (80°C)

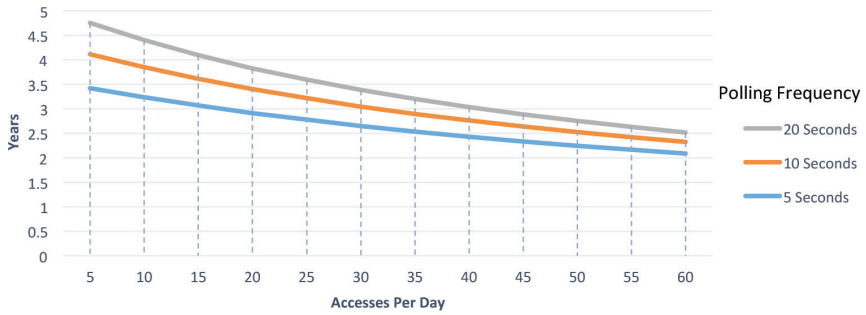
Optional Keypad
PIN only usage or dual authentication needs

BATTERY LIFE

CYLINDRICAL LOCKS & EXIT DEVICES



MORTISE LOCKS



* Battery life data was calculated using Duracell batteries.

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7900 Series Mortise Locks

SARGENT
ASSA ABLOY

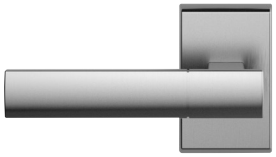
MECHANICAL FEATURES

- Certified to ANSI/BHMA A156.13 Series 1000 Grade 1
- UL/ULC Listed for fire doors*
- Motor driven 7900 Series Mortise Lock
- 3/4" projection stainless steel latchbolt, one-piece construction
- For 1-3/4" (44mm) thick door standard. Consult factory for additional thicknesses
- Stainless steel non-handed deadlocking latch
- Handing easily field reversible without disassembling lock body
- Lever trim through-bolted for increased security and durability

Shipping Weight: Approx. 11 lbs.

IN100 MORTISE LOCK FUNCTIONS

- Key outside always retracts latch
- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch
- Guardbolt deadlocks latch
- Key override available with #41 cylinder supplied
- Low battery, request-to-exit (REX), and tamper signaling standard
- EcoFlex® technology offers improved battery life



52-5374 DOOR POSITION SWITCH (DPS)

Supplied with IN100 mortise locks

- SPDT concealed switch (3-wire)
- 3/8" Diameter for wood door
- 3/4" diameter for glass and metal door
  - Metal door adapter included

Note: The DPS is installed right above the lock faceplate and connects directly into the lock's electronics

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

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7900 Series Mortise Locks

Select from the following options to order IN100 mortise locks:

FUNCTIONS

7978	Key override (no deadbolt)
7979	No Key override (no deadbolt)

READER

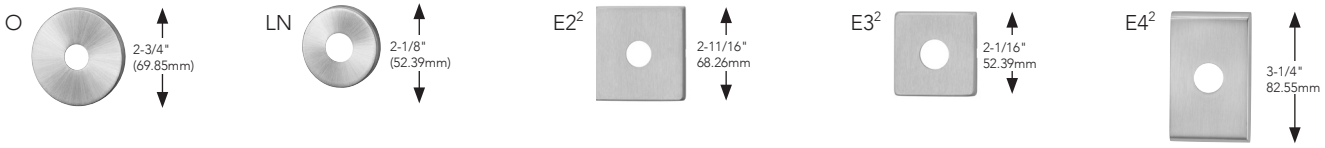
B	Black reader, black trim
MB[1]	Black reader, metal trim

CREDENTIALS

BIPS	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, MIFARE Classic, DESFire EV1, DESFire EV2/EV3 (EV1 Compatibility), PIV/PIV-I, HID Prox®, AWID, EM4102, HID Mobile Access® (BLE and NFC), Apple Wallet Seos or DESFire® (NFC), Google Wallet DESFire® (NFC)
BIKPS	All credentials supported by the BIPS option plus keypad

1. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

ROSES

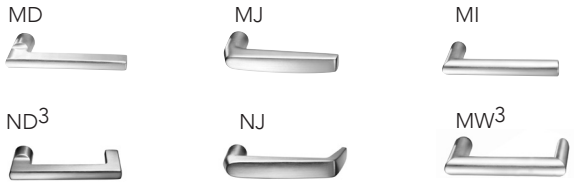


2. 1KA square cylinder collar and 130KA square backplate automatically supplied with E2,E3 and E4 roses.

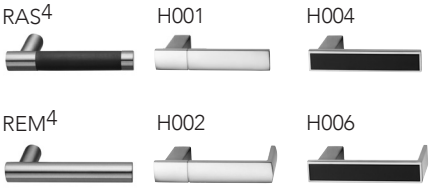
Suites with reader

LEVER

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 26-31.



PREMIUM LEVERS



3. Lever returns within ½" (13 mm) of door face.
4. Gramercy levers are customized. See page 31 for ordering information.

FINISH

Description		Specify
US3 (ANSI/BHMS 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)[5]	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)[5]	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Plug[6]
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

HANDING

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

5. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.
6. Finish when cylinder provided with lock

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7900 Series Mortise Locks

SARGENT
ASSA ABLOY

BUILD YOUR ORDER STRING

Series		Function				Credentials				Reader		Rose		Lever			Finish				Handing		
IN	100	7	9	7		B	I	P	S														

For additional cylinder and/or mechanical options, please refer to pages 33-36. Add the desired options to the beginning of your order string.

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8200 Series Mortise Locks

SARGENT
ASSA ABLOY

MECHANICAL FEATURES

- Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm and Florida Building Code information is listed on page 20
- Motor driven 8200 Series Mortise Lock
- 3/4" stainless steel, anti-friction reversible latch
- For 1-3/4" (44mm) thick door standard. Consult factory for additional thicknesses
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability

Shipping Weight: Approx. 11 lbs.

IN SERIES MORTISE LOCK FUNCTIONS

- Key outside always retracts latch
- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch and deadbolt (if present)
- Guardbolt deadlocks latch
- Key override available with #41 cylinder supplied
- Low battery, request-to-exit (REX), latch, guardbolt and tamper signaling standard

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

Select from the following options to order IN Series mortise locks:

FUNCTION

82276	Key override and deadbolt
82278	Key override and no deadbolt
82277	Deadbolt and no key override
82279	No deadbolt and no key override

Note: 82276 and 82277 not available with Glass Solutions Centerlock housing.

READER

B	Black reader, black trim
MB[1]	Black reader, metal trim

1. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

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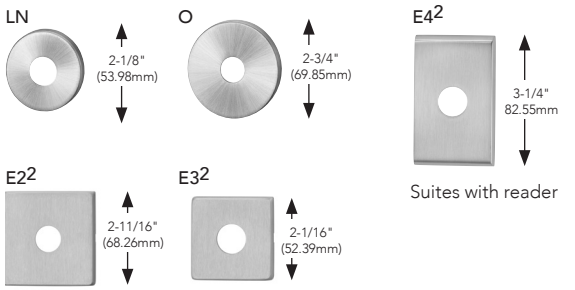
8200 Series Mortise Locks

CREDENTIALS

BIPS	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, MIFARE Classic, DESFire EV1, DESFire EV2/EV3 (EV1 Compatibility), PIV/PIV-I, HID Prox®, AWID, EM4102, HID Mobile Access® (BLE and NFC), Apple Wallet Seos or DESFire® (NFC), Google Wallet DESFire® (NFC)
BIKPS	All credentials supported by the BIPS option plus keypad

ROSE

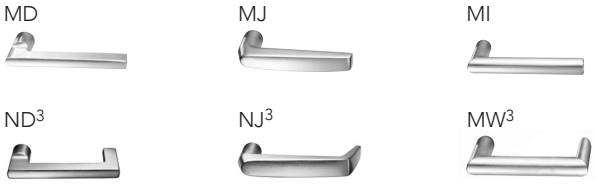


Suites with reader

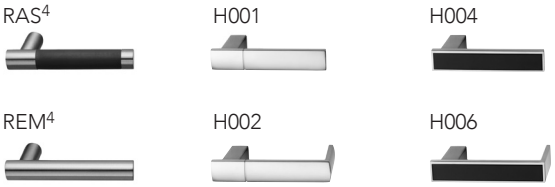
2. KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3, and E4 roses.

LEVER

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to page 26-31.



PREMIUM LEVERS



3. Lever returns within 1/2" (13 mm) of door face.
4. Gramercy levers are customized. See page 31 for ordering information.

FINISH

Description		Specify
US3 (ANSI/BHMS 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)[5]	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)[5]	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Plug[6]
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

HANDING

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

5. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.
6. Finish when cylinder provided with lock

BUILD YOUR ORDER STRING

Technology	Function	Credentials	Reader	Rose	Lever	Finish	Handing
IN 100	8 2 2 7	B I P S					

For additional cylinder and/or mechanical options, please refer to pages 33-36. Add the desired options to the beginning of your order string.

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10X Line Bored Locks

MECHANICAL FEATURES

- Certified ANSI/BHMA A156.2 Series 4000 Grade 1
- UL/ULC Listed for fire doors*
- Motor driven cylindrical lock
- Latch Stainless Steel, 1/2" (13mm) throw
- 2-3/4" (70mm) backset standard
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Handing easily field reversible without disassembling lock body
- Heavy duty lever spring return
- Steel mounting studs
- Not available with 83-, 84- options

Shipping Weight: Approx. 9 lbs.

IN100 BORED LOCK FUNCTIONS

- Key outside always retracts latch
- Lever outside rigid except when valid credential presented, freewheeling optional
- Lever inside always retracts latch
- Guardbolt deadlocks latch
- Key override standard with #C10X-1 cylinder supplied
- Low Battery, Request-to-Exit (REX), and Tamper signaling standard
- Door Position Switch (DPS, P/N 52-5374) supplied

52-5374 DOOR POSITION SWITCH (DPS)

Supplied with IN100 bored locks

- SPDT concealed switch (3-wire)
- 3/8" Diameter for wood door
- 3/4" diameter for glass and metal door
  - Metal door adapter included

Note: The DPS is installed right above the lock faceplate and connects directly into the lock's electronics

IN100 10X Line bored locks are UL Certified and Listed as part of an approved assembly[1] to the following certifications and standards:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201-1994[2]
- Testing Application Standard (TAS) 202-1994[2]
- Testing Application Standard (TAS) 203-1994[2]
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

1. To meet assembly requirements, use in conjunction with doors from ASSA ABLOY Group brands CECO and CURRIES.
2. Published in the "Florida Building Code"

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10X Line Bored Locks

SARGENT
ASSA ABLOY

Select from the following options to order IN100 bored locks:

FUNCTION

10XG77	Key override

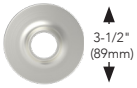
READER

B	Black reader, black trim
MB[1]	Black reader, metal trim

1. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

ROSE

G



L

CREDENTIALS

BIPS	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE®SE, HID DESFire® EV1 SE, MIFARE Classic, DESFire EV1, DESFire EV2/EV3 (EV1 Compatibility), PIV/PIV-I, HID Prox®, AWID, EM4102, HID Mobile Access® (BLE and NFC), Apple Wallet Seos or DESFire® (NFC), Google Wallet DESFire® (NFC)
BIKPS	All credentials supported by the BIPS option plus keypad

LEVER

B

L[2]

P[2]

MD

ND[2]

MB

MW[2]

2. Lever returns within ½" (13 mm) of door face

FINISH

Description		Specify
US3 (ANSI/BHMA 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Cylinder/Core[3]
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, WSP	15
BSP	BSP

3. Finish when cylinder provided with lock

HANDING

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

BUILD YOUR ORDER STRING

Series		Function						Credentials				Reader		Rose		Lever		Finish				Handing		
IN	100	1	0	X	G	7	7	B	I	P	S													

For additional cylinder and/or mechanical options, please refer to pages 33-36. Add the desired options to the beginning of your order string.

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80 Series Exit Device

MECHANICAL FEATURES

- Certified ANSI/BHMA A156.3 Grade 1
- Latch 3/4" (19mm) throw (8800: stainless steel, 8900: anti-friction brass)
- Cylinder requirements: 8800 Series uses a #34 Rim Cylinder; 8900 Series uses a #46 Mortise Cylinder (1-3/4")
- For 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- Available with Studio Collection, Coastal Series, and all standard levers
- UL/ULC Listed for fire doors*

Shipping Weight: Approx. 11 lbs.

IN100 EXIT DEVICE FUNCTIONS

- Lever outside rigid except when in passage mode or valid user code entered
- Always allows free egress
- Request-to-Exit (REX): monitors rail position
- Door Position Switch (DPS, part #52-5374) supplied; tamper signaling standard
- EcoFlex® technology reduces energy consumption up to 89% as certified by GreenCircle

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

Mortise Exit

Rim Exit

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80 Series Exit Device

SARGENT
ASSA ABLOY

Select from the following options to order IN100 exit devices:

FUNCTION

8977	Mortise lock exit device, key override
8978	Mortise lock exit device, no key override
8877	Rim exit device, key override
8878	Rim exit device, no key override

READER

B	Black reader, black trim
MB[1]	Black reader, metal trim

RAIL SIZE

E	24 - 32"
F	33 - 36"
J	37 - 42"
G	43 - 48"

ET TRIM

ET	700 Series ET Trim

CREDENTIALS

BIPS	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, MIFARE Classic, DESFire EV1, DESFire EV2/EV3 (EV1 Compatibility), PIV/PIV-I, HID Prox®, AWID, EM4102, HID Mobile Access® (BLE and NFC), Apple Wallet Seos or DESFire® (NFC), Google Wallet DESFire® (NFC)
BIKPS	All credentials supported by the BIPS option plus keypad

1. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

LEVER

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 26-31.

MD

MJ

MI

ND[2]

NJ[2]

MW[2]

PREMIUM LEVERS

RAS[3]

H001

H004

REM[3]

H002

H006

2. Lever returns within 1/2" (13 mm) of door face.
3. Gramercy levers are customized. See page 31 for ordering information.

FINISH

Description		Specify
US3 (ANSI/BHMA 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)[5]	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)[4]	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)[5]	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)[4]	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)[6]	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)[6]	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Plug[7]
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

HANDING

LHR	Left hand reverse
RHR	Right hand reverse

DOOR WIDTH

Specify in inches

4. 15 or 26D finishes are available on outside trim only, the exit devices will be supplied in 32D.
5. 14 or 26 Finishes are available on outside trim only, the exit devices will be supplied in 32 finish.
6. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.
7. Finish when cylinder provided with lock

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80 Series Exit Device

SARGENT
ASSA ABLOY

BUILD YOUR ORDER STRING

Technology	Function	Credentials	Reader	Rail Size	ET Trim	Lever	Finish	Handing	Door Width (in inches)
IN 100	8	B I P S			E T				

For additional cylinder and/or mechanical options, please refer to pages 33-36. Add the desired options to the beginning of your order string.

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PE80 Series Exit Device

MECHANICAL FEATURES

- Certified ANSI/BHMA A156.3 Grade 1
- Latch 3/4" (19mm) throw (PE8800: stainless steel, PE8900: anti-friction brass)
- Cylinder requirements: PE8800 Series uses a #34 Rim Cylinder; PE8900 Series uses a #46 Mortise Cylinder (1-3/4")
- The AFF is 39-5/8" for Standard Applications; when a P100 or P300 Series Auxiliary Control is used, 37 5/16" AFF is recommended to meet local accessibility standards
- For 1-3/4" (44mm) door standard. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31
- Available with Studio Collection and all standard levers
- UL/ULC Listed for fire doors*
- Available with ADA Standard for Accessible Design and California Building Code.

IN100 EXIT DEVICE FUNCTIONS

- Lever outside rigid except when in passage mode or valid user code entered
- Always allows free egress
- Request-to-Exit (REX): monitors rail position
- Door Position Switch (DPS, part #52-5374) supplied; tamper signaling standard**
- EcoFlex™ technology reduces energy consumption, which lowers operation cost and reduces the number of power supplies required.

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

** For Double-door applications the DPS is installed in-between the active and inactive leaves. The DPS monitors both doors, but the REX only monitors the active leaf. To prevent door-force or door-held alarms, the alarms must be disabled.

Mortise Exit

Rim Exit

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PE80 Series Exit Device

SARGENT
ASSA ABLOY

Select from the following options to order IN100 exit devices:

FUNCTION

[1,2]AD PE8678	Concealed vertical rod, no key override
[1,2]MD PE8678	Concealed vertical rod, no key override
[1,2]WD PE8678	Concealed vertical rod, no key override
[1,3]PE8778	Surface vertical rod, no key override
PE8877	Rim exit device, key override
PE8878	Rim exit device, no key override
PE8977	Mortise lock exit device, key override
PE8978	Mortise lock exit device, no key override

***Note:** When ordering Concealed Vertical Rod or Surface Vertical Rod functions, door height and AFF must be specified.

CREDENTIALS

BIPS	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, MIFARE Classic, DESFire EV1, DESFire EV2/EV3 (EV1 Compatibility), PIV/PIV-I, HID Prox®, AWID, EM4102, HID Mobile Access® (BLE and NFC), Apple Wallet Seos or DESFire® (NFC), Google Wallet DESFire® (NFC)
BIKPS	All credentials supported by the BIPS option plus keypad

READER

B	Black reader, black trim
MB[4]	Black reader, metal trim

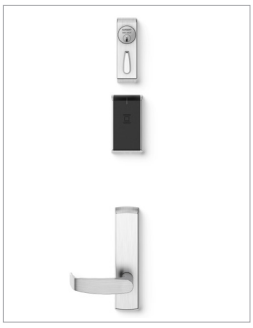
RAIL SIZE

E	26 to 32"
F	32.5" to 36"
J	36.5" to 42"
G	42.5" to 48"

1. Less Bottom Rod (NB) option is available when ordering. Use the prefix NB in the order string for this option.
2. Key Override is available for MD/WD/AD PE8600 CVR Devices (including NB-) with a P106 Series (CVR) Auxiliary Control.
3. Key Override is available for PE8700 SVR Devices (including NB-) with a P306 Series (SVR) Auxiliary Control.
4. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.
5. Exits using Key Override and Concealed or Surface Vertical Rods require an Auxiliary Control (pictured here). When ordering these exits, please include P306 for Surface Vertical Rod and P106 for Concealed Vertical Rod in your order string.
   Example: EA- SG- IN100 x ADPE8678 x P106 x BIPS x B x F x NE x L x RHR x 32D

Mortise Exit - Inside View

Mortise Exit - Outside View



Surface Vertical Rod - Outside View[5]

Surface Vertical Rod - Inside View

Rim Exit - Inside View

Rim Exit - Outside View

Concealed Vertical Rod - Outside View[5]

Concealed Vertical Rod - Inside View

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PE80 Series Exit Device

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EA OPTION

Locates reader off center and closer to the push bar for Rim, SVR, and CVR devices.

Surface Vertical Rod - Outside View[5] (EA- Option)

Surface Vertical Rod - Inside View (EA- Option)

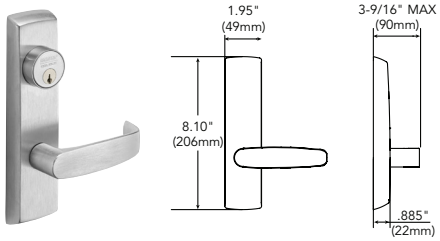
Concealed Vertical Rod - Outside View[5] (EA- Option)

Concealed Vertical Rod - Inside View (EA- Option)

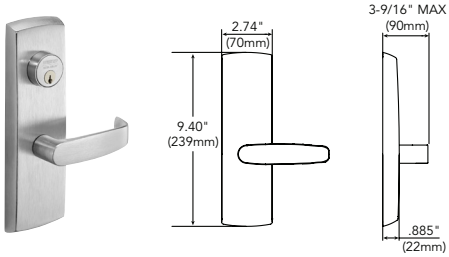
5. Exits using Key Override and Concealed or Surface Vertical Rods require an Auxiliary Control (pictured here). When ordering these exits, please include P306 for Surface Vertical Rod and P106 for Concealed Vertical Rod in your order string.
   Example: EA- SG- IN100 x ADPE8678 x P106 x BIPS x B x F x NE x L x RHR x 32D

EXIT TRIM

P700 NEx Lever Trim



P700 WEx Lever Trim



LEVER

To see the complete range of available levers, please refer to pages 26-31.

FINISH

Description		Specify
US3 (ANSI/BHMS 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)[7]	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)[6]	Satin Nickel Plated, clear coated	15
US26 (ANSI/BHMA 625)[7]	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)[6]	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)[8]	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)[8]	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Plug[9]
03, 04, 09, 10, 10B, 10BL	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

HANDING

LHR	Left hand reverse
RHR	Right hand reverse

DOOR WIDTH

Specify in inches

6. 15 or 26D finishes are available on outside trim only, the exit devices will be supplied in 32D.
7. 14 or 26 Finishes are available on outside trim only, the exit devices will be supplied in 32 finish.
8. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.
9. Finish when cylinder provided with lock

BUILD YOUR ORDER STRING

Technology	Device Function	Credentials	Reader	Rail Size	Trim	Lever	Finish	Handing	Door Width (in inches)	Door Height	AFF
IN 100	P E 8 8 7 7	B I P S	M B	F	N E	L	1 0 B E	R H R	3 6	Specify	Specify

For additional cylinder and/or mechanical options, please refer to pages 33-36. Add the desired options to the beginning of your order string.

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Von Duprin® 98/99 Series Rim Exit Devices

MECHANICAL FEATURES

- Certified ANSI/BHMA A156.3 Grade 1
- Key override compatible with a variety of rim cylinders. Trim prepped for cylinder (not included)
- Requires Von Duprin RX switch assembly #050251-00 (supplied by others)
- Provides complete coverage of door prep for Von Duprin 996 trim; call 800-810-WIRE for information on door prep coverage for other trims
- Available with Studio Collection, Coastal Series and all standard levers
- UL/ULC Listed for fire doors*
- Matching dummy trim available for double doors.

IN SERIES EXIT DEVICE FUNCTIONS

- Lever outside rigid except when in passage mode or valid user code entered
- Always allows free egress
- Request-to-Exit (REX): monitors rail position
- Low battery, tamper signaling standard
- Door position switch (DPS, part #52-5373) supplied

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

CREDENTIALS

BIPS	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, MIFARE Classic, DESFire EV1, DESFire EV2/EV3 (EV1 Compatibility), PIV/PIV-I, HID Prox®, AWID, EM4102, HID Mobile Access® (BLE and NFC), Apple Wallet Seos or DESFire® (NFC), Google Wallet DESFire® (NFC)
BIKPS	All credentials supported by the BIPS option plus keypad

FUNCTION

231	Rim exit device, key override

READER

B	Black reader, black trim
MB[1]	Black reader, metal trim

ESCUTCHEON

EK1	Plate for Von Duprin Retrofit Fit

1. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

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Retrofit Kits

LEVER

The levers shown here are some of our most popular styles from the Studio Collection.
To see the complete range of available levers, please refer to pages 26-31.

MD

MJ

MI

ND[2]

NJ[2]

MW[2]

PREMIUM LEVERS

RAS[3]

H001

H004

REM[3]

H002

H006

2. Lever returns within ½" (13 mm) of door face.
3. Gramercy levers are customized. See page 31 for ordering information.

FINISH

Description		Specify
US3 (ANSI/BHMA 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)[4]	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)[4]	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Plug[5]
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

HANDING

LHR	Left hand reverse
RHR	Right hand reverse

4. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if an other finish is desired.
5. Finish when cylinder provided with lock

BUILD YOUR ORDER STRING

Technology		Function			Credentials				Reader		Escutcheon			Lever			Finish				Handing			
IN	100	2	3	1	B	I	P	S			E	K	1											

The order string for the EK1 mechanical exit trim is: EK1 x 706-5 x Lever x Finish x Hand.

For additional cylinder and/or mechanical options, please refer to pages 33-36. Add the desired options to the beginning of your order string.

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90835 09/25

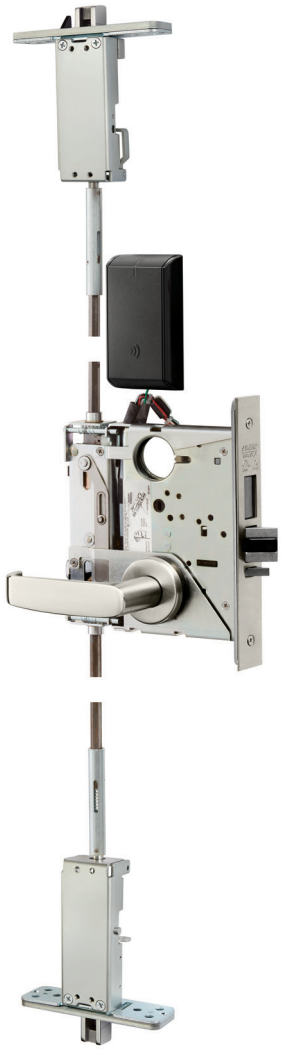
7300 Series Multi-Point Locks

SARGENT
ASSA ABLOY

MECHANICAL FEATURES

- Certified to ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1
- Motor driven 8200 Series Mortise Lock
- 1-3/4" thick door only; fully integrated – 7300 is part of a complete ASSA ABLOY windstorm solution
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability
- Concealed vertical assembly (rods, latches and cassette) pre-installed in door
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm and Blast certification information is listed in the Sargent 7300 Series catalog

Shipping Weight: Approx. 11 lbs.



IN SERIES MULTI-POINT LOCK FUNCTIONS

- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch and deadbolt
- Guardbolt deadlocks latch
- Low battery, latch, guardbolt and tamper signaling standard

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

Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Handed; specify RHR, LHR, RH or LH
Top bolt	Adjustable stainless steel 3/4" square bolt with 11/16" engagement; 5/16" steel reinforcement plate
Bottom bolt	Adjustable stainless steel 3/4" square bolt with 5/8" engagement; 1/4" steel reinforcement plate
Center bolts	Latchbolt is stainless steel with 3/4" projection. One piece, anti-friction reversible catch. Deadbolt is one piece hardened stainless steel with 1" projection
Lock front	1/8" steel mortise front reinforced with 13/64" thick lock edge stiffener
Center bolt strike	1/4" thick stainless steel
Backset	2-3/4" standard
Door thickness	1-3/4" standard
Door height	7'0" - 8'0"
Maximum opening	Single door 4'0" x 8'0" and double doors 8'0" x 8'0"

FUNCTION

73277	Deadbolt, no key override
73276	Key override with deadbolt

READER

B	Black reader, black trim
MB[1]	Black reader, metal trim

1. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

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7300 Series Multi-Point Locks

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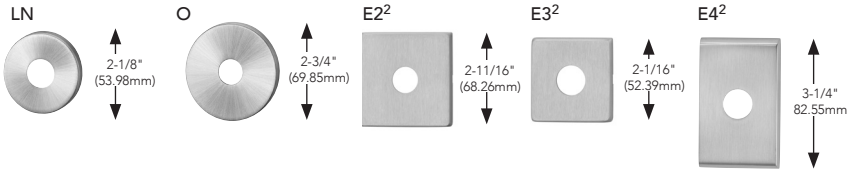
ASSA ABLOY

CREDENTIALS

BIPS	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, MIFARE Classic, DESFire EV1, DESFire EV2/EV3 (EV1 Compatibility), PIV/PIV-I, HID Prox®, AWID, EM4102, HID Mobile Access® (BLE and NFC), Apple Wallet Seos or DESFire® (NFC), Google Wallet DESFire® (NFC)
BIKPS	All credentials supported by the BIPS option plus keypad

ROSE



Suites with reader

2. 1KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.

LEVER

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 26-31.

MD

MJ

MI

ND[3]

NJ[3]

MW[3]

PREMIUM LEVERS

RAS[4]

REM[4]

3. Lever returns within ½" (13 mm) of door face.
4. Gramercy levers are customized. See page 31 or ordering information.

FINISH

Description		Specify
US3 (ANSI/BHMA 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)[5]	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)[5]	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Cylinder/ Core[6]
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

HANDING

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

5. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.
6. Finish when cylinder provided with lock

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7300 Series Multi-Point Locks

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BUILD YOUR ORDER STRING

Technology	Function*	Credentials	Reader	Rose	Lever	Finish	Handing
IN 100	7 3 2 7 7	B I P S					

*If Windstorm or Blast is required, add the following before the function code:

FM -Windstorm
BL - Blast

Example: FM73277, BL73277

If neither is required, use the function code as listed on page 20.
For additional cylinder and/or mechanical options, please refer to pages 33-36. Add the desired options to the beginning of your order string.

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Alternate Power Options

HARD POWER OPTION (91-)

The IN100 allows hard powering via an input of 12 to 24V DC. SARGENT offers a range of power supplies suitable for this application.

LSP-12-24 POWER SUPPLY

Operation

LifeSafety Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. Recommended for the 91- Hard Power Option.

Features

- Selectable voltage output between 12V and 24V with a single switch
- Internal Back-Up battery charging circuit *
- Regulated and filtered, fuse protected outputs
- Each output can be individually turned on and off via a jumper
- Power status of each output is shown by an LED
- Rugged steel enclosure
- Fire alarm interface included – Dry contacts NO/NC, 9-33VDC, 3-15mA

Electrical Specifications

- Inputs: 120VAC
- Outputs: 12VDC @ 6 Amp or 24VDC @ 3 Amp
- 8 Total Outputs

Listings

- UL294, UL603, UL1076
- ULC S318, ULC S319

* **Note:** Batteries are not included with the power supply

Model No.	Description
LSP-12-24	12V - 6AMP / 24V - 3AMP Power Supply

52-4824 91- HARD POWER KIT

- Included with 91- prefix option IN100 units
- Allows for hard powering (91-) of IN100
- Compatible with ElectroLynx® system

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COVER PLATE KITS

79-5000	IN Series mortise lock, 82276(key override, with deadbolt), 32D finish
79-5001	IN Series mortise lock, 82277 (no key override, with deadbolt), 32D
79-5002	IN Series mortise lock, 7978/82278 (key override, no deadbolt), 32D finish
79-5003	IN Series mortise lock, 7979/82279 (no key override, no deadbolt), 32D finish
10-5008	IN Series cylindrical lock, 10XG77 (with key override), 32D finish

APERIO CONFIGURATION KITS

Aperio offers the flexibility to make field configurations easily and without any special equipment. Configuration adjustments can be made to the Aperio hub and Aperio locks using the Aperio Programming tool software and Aperio USB programing dongle from a Windows net-book or laptop with an available USB port.

Requirements for Operation:
Laptop or Netbook with:
- Windows 10
- USB 2.0 port

APA-10-PC Aperio Programming Application Tool Kit
- USB Flash Drive
  - Programming Application Tool Software and License Files
  - Aperio Instructions (electronic files)
  - Tritech Tribee USB Radio Dongle (APD-10-USB)
- HID iCLASS/Prox Card

APD-10-USB Aperio Configuration USB Dongle
- Tritech Tribee USB Radio Dongle
- Included in APA-10-PC Kit

52-1635 USB cable
- USB cable is a stand-alone item (sold separately)

INTEGRATION TOOLS FOR ASSA ABLOY LOCKS

ASSA ABLOY electronic access control locks integrate with a range of industry-leading access control systems. For more information on which systems support our Aperio® enabled locks, please contact your local ASSA ABLOY Door Security Solutions office, www.assaabloydss.com. To learn more about how to integrate these and other ASSA ABLOY products with your system, please call 800-810-WIRE.

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Aperio® Hub

The IN100 lock uses short distance wireless transmission (IEEE 802.15.4, 2.4 GHz) to communicate with an Aperio hub, which is connected to an access control system via IP, RS-485 or Wiegand.

SPECIFICATIONS

- Wireless Communication: IEEE 802.15.4 (2.4 GHz)
- Wireless Range: 50-80 feet (depending on installed environment)
- EAC Communication: IP, RS-485 or Wiegand
- Power: Powered using Power over Ethernet (PoE) or external power supply (8-24VDC)
- Security: AES 128 encryption
- Operating Temperature: 41°F (5 °C) to 95°F (35 °C)
- Humidity: < 95% maximum (non-condensing)

ORDERING APERIO HUBS

	Series	Hardware Version	Hardware Configuration	Configuration Code*
	AH	20: Wiegand hub; 30: RS-485 hub; 40: IP hub	W14: Wiegand 1:1; R12: RS-485 1:8 (Mercury); or 1:16 (non-Mercury) IN2: IP 1:64	NNNN
Ex.:	AH	30	R12	NNNN

* NNNN is the standard configuration code for Aperio hubs. Access Control Partners should contact 800-810-WIRE for specific ordering information

The Aperio hub is available in a Mercury version for completely seamless integration into Mercury-based access control systems. Please contact your Mercury-based access control provider for ordering information.

APERIO HUB ACCESSORIES

EXT-10-ANT Aperio External Antenna
Aperio hubs are certified for use with the ASSA ABLOY external (omnidirectional) antenna EXT-10-ANT. The external antenna may be used to obtain more even radio coverage (in the form of a doughnut) around the hub. Please note that the antenna does not extend the maximum range of the Aperio hub.

Specifications:
- For indoor use only
- Operating Temperature: 32°F (0 °C) to 113°F (45 °C)
- Humidity: < 95% maximum (non-condensing)

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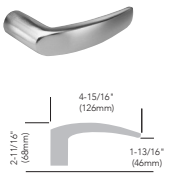
SARGENT
ASSA ABLOY

STANDARD LEVERS

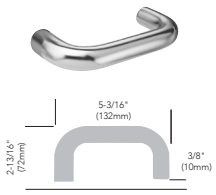
7900 Series Mortise Locks

- All levers meet ADA national code requirements
- Lever designs BJ, BL and BP have lever returns within 1/2" (13mm) of door face and meet California State Reference Fire Code
- Levers BB, BL, BJ & BP are only available with the O rose

BB



BJ



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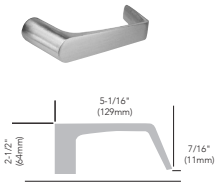
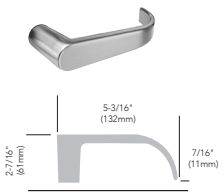


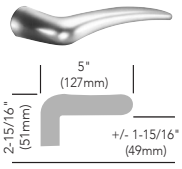
BP



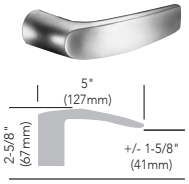
8200 Series Mortise Locks, 80 and PE80 Series Exit Devices, and 7300 Series Multi-Point Locks

- All levers meet ADA compliance for national codes
- Solid forged or cast
- Lever designs J, L and P have lever returns within 1/2" (13mm) or less of door face and meet California State Reference Fire Code
- All lever height (+/- 1/16") measurements represent total distance from door face

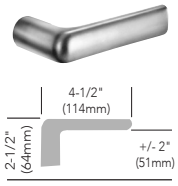
A



B



E



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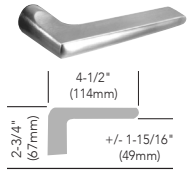
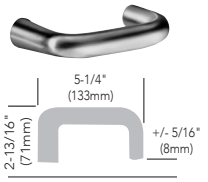


J



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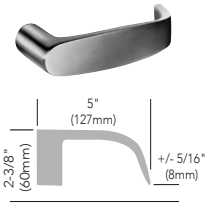
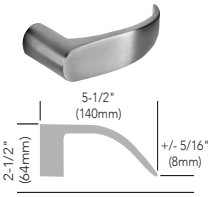


P



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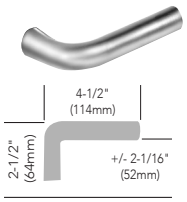

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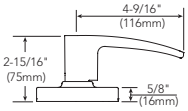
Aperio® Wireless Access Control

STANDARD LEVERS

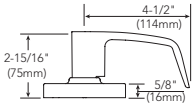
10X Line Bored Locks

- All levers meet ADA compliance for national codes
- Solid cast
- Lever designs L, P, ND, MW have lever returns within 1/2" (13mm) or less of door face and meet California State Reference Fire Code
- All lever height (+/- 1/16") measurements represent total distance from door face

B



L



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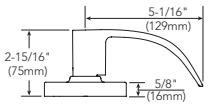
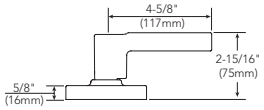


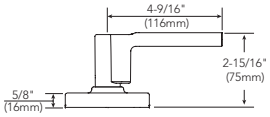
DECORATIVE LEVERS

10X Line Bored Locks

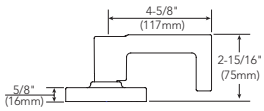
MD



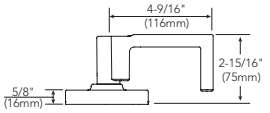
MB



ND



MW

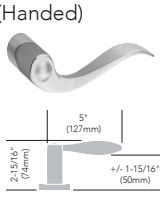


The Coastal Series™

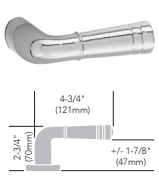
Mortise Locks, 80 and PE80 Series Exit Devices, and 7300 Series Multi-Point Locks

- All levers meet ADA compliance for national codes
- Levers are solid cast brass
- Finishes available — 3, 4, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D
- All lever height (+/- 1/16") measurements represent total distance from door face

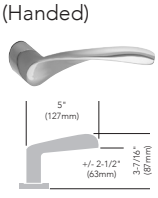
G - Gulfport™
(Handed)



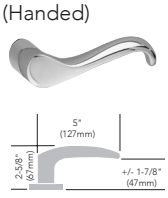
R - Rockport™



S - Sanibel™
(Handed)



Y - Yarmouth™
(Handed)



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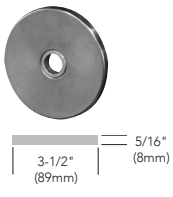
Aperio® Wireless Access Control

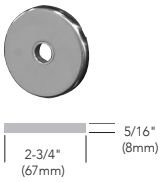
STANDARD ROSES

7900 and 8200 Series Mortise Locks

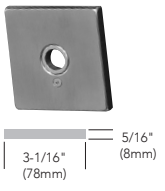
L



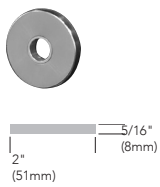
O



E
(Handed)



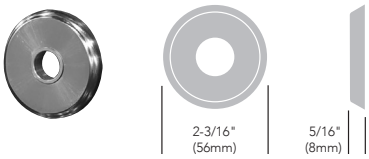
LN



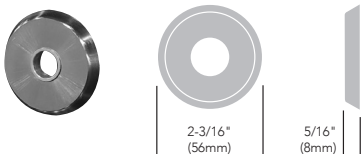
COASTAL SERIES ROSES

7900 and 8200 Series Mortise Locks

TR Traditional Rose
(Dual radii edge)



CR Contemporary Rose
(Beveled edge)

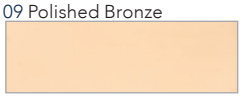


AVAILABLE FINISHES

03 Polished Brass

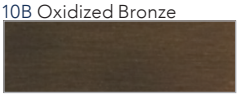
04 Satin Brass

09 Polished Bronze



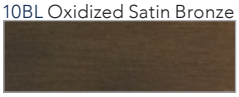
10 Satin Bronze

10B Oxidized Bronze

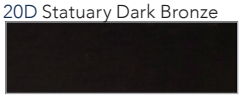


10BE Dark Oxidized Satin Bronze — equivalent

10BL Oxidized Satin Bronze



20D Statuary Dark Bronze



14 Polished Nickel

15 Satin Nickel

26 Polished Chrome

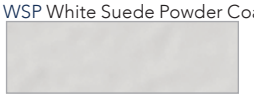
26D Satin Chrome

32 Polished Stainless Steel

32D Satin Stainless Steel

BSP Black Suede Powder Coat

WSP White Suede Powder Coat



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Studio Collection Levers

Studio Collection trim is available in a broad array of designs and finishes. It allows for uniformity throughout a facility using the 8200 and 7900 Series Mortise Locks, Access Control Products, 80 and PE80 Series Exits Devices, DL Series Tubular Locks, and 7300 Series Multi-Point Locks.

All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.

H001 H002[2] H003 H004 H005[2] H006[2]

MB ME MF NF MG MI MW[2]

RCM RAL REM RAM RAS RAG RGM

MD MJ MP[1] ND[2] NJ[2]

(Handed Levers)

MN MH MS MU MV NU[2] WG

(MA and MO are Non-Handed Levers)

MA MQ MT MO MZ[2] GT

H015 H016[2] H017 H018

(H008 is handed)

H007 H008 H011

1. Contact factory for current lead times. Not available in stainless steel finishes.
2. Lever returns within 1/2" (13mm) of door face
3. Gramercy levers are customized. See page 31 for ordering information.
4. Odéon Series are not available in 32D

Note: H003 - H006 contains white or black polycarbonate insert

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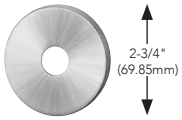
90835 09/25

Studio Collection Rose and Thumbturns

STUDIO COLLECTION TRIM

Roses (7900, 8200, and 7300 Series Multi-Point Locks)

O



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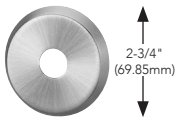
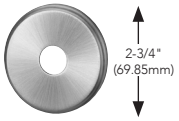


TO



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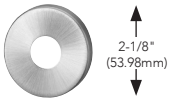
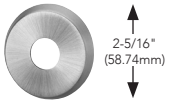


CR



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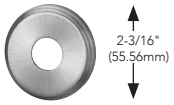

E2[1]
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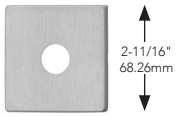

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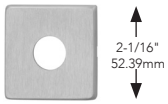

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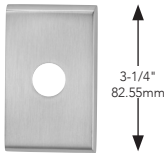
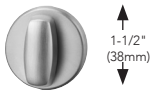


THUMBTURNS

7900, 8200, and 7300 Series Multi-Point Locks

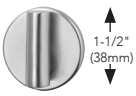
Thumbturn backplate will match rose design chosen. Specify T1, T2 or T3 as a prefix option for decorative turns.

T1



T2

T3



1. 1KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.

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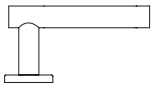
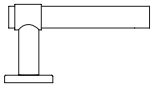
Ordering Gramercy Series Levers

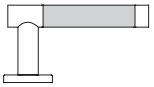
REM, RGM



RCM



RAG, RAL, RAM, RAS



GRAMERCY FINISH CODES

BHMA Finish	SARGENT Finish	Gramercy Code	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)
613E	10B	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat

* Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

GRAMERCY LEVER DESCRIPTIONS AND AVAILABLE FINISHES

Lever Designation	Lever Description	Available Finishes (as ordered)
RAG	Grooved Insert	3E3E, BSBS, WSWS, 3030, OR 2929
RAL	Leather Insert	3EBK3E, 3EBN3E, BSBKBS, BSBNBS, WSBKWS, WSBNWS, 30BK30, 30BN30, 29BK29, OR 29BN29
RAM	Metallic Insert	2930** only
RAS	Santoprene Insert	3EBK3E, BSBKBS, WSBKWS, 30BK30, OR 29BK29
RCM	Raised Band	3E3E, BSBS, WSWS, 3030, 2929, or 2930**
REM	Plain	3E3E, BSBS, WSWS, 3030, OR 2929
RGM	Two Grooves	3E3E, BSBS, WSWS, 3030, 2929 OR 2930

**Two-tone finish — grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32.

When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use “29” for polished stainless, BHMA finish 629.

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Replacement Parts

OUTSIDE ESCUTCHEON (READER) & CONTROLLER & INSIDE MOUNTING KIT

IN-100-EM01-BIPS-B	Black
IN-100-EM01-BIPS-MB-[finish]*	Black with metal trim
IN-100-EM01-BIKPS-B	Black with keypad
IN-100-EM01-BIKPS-MB-[finish]*	Black with keypad and metal trim

INSIDE ESCUTCHEON (BATTERY COVER)

IN-100-EM02-B	Black
IN-100-EM02-MB-[finish]*	Black with metal trim

MOUNTING KIT

IN100-EM04	IN100 inside mounting kit (mounting kit and hardware)

LOCKBODIES

IN100-7978-[finish]*-[handing]	IN100 mortise lockbody with cylinder (no deadbolt)
IN100-7979-[finish]*-[handing]	IN100 mortise lockbody only (no deadbolt, no cylinder)
IN100-82276- [finish]*-[handing]	IN100 mortise lockbody with deadbolt and cylinder
IN100-82277- [finish]*-[handing]	IN100 mortise lockbody with deadbolt (no cylinder)
IN100-82278- [finish]*-[handing]	IN100 mortise lockbody with cylinder (no deadbolt)
IN100-82279- [finish]*-[handing]	IN100 mortise lockbody only (no deadbolt, no cylinder)
IN100 777-8 ET X [lever] X [finish] X [handing] X [door thickness]	Trim for rim exit device without key override
IN100 778-8 ET X [lever] X [finish] X [handing] X [door thickness]	Trim for rim exit device with key override
IN100 777 ET X [lever] X [finish] X [handing] X [door thickness]	Trim for mortise exit device without key override
IN100 778 ET X [lever] X [finish] X [handing] X [door thickness]	Trim for mortise exit device with key override
10-3771	Cylindrical lockbody, Std/Rigid Lever (1-3/8"-2" Door)
10-3772	Cylindrical lockbody, Freewheeling Lever (1-3/8"-2" Door)
10-3805	Cylindrical lockbody, Std/Rigid Lever (2-1/4" Door)
10-3806	Cylindrical lockbody, Freewheeling Lever (2-1/4" Door)

* Select from finishes on page 28.

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Mechanical Options

52-5374 DOOR POSITION SWITCH (DPS)

- SPDT concealed switch (3 wire)
- 3/8" diameter for wood door
- 3/4" diameter for glass and metal door
  - Metal door adapter included
- Supplied with IN100 cylindrical and mortise locks

MECHANICAL OPTIONS

Strike Options	29-	Strike #800. Lip length 1-1/4". Lip lengths 1" to 2" in 1/4" increments only.
	WBS-	Wrought Box Strike
10x Line Backset Options	20-	2-3/8" Backset Latch with 1" Front
	23-	3-3/4" Backset x 2-1/4" x 1-1/8" Front (10X Line only)
	25-	5" Backset x 2-1/4" x 1-1/8" Front (10X Line only)
Security Fasteners	36-	Six lobe security head screws
	37-	Spanner head screws
3/4" Latch Throw	41-	3/4" (19mm) throw latch x 2-3/4" (70mm) backset (10X Line only)
Tactile Warning Options	75-	Tactile Warning — Milled Inside Lever (Not available with Studio and Coastal Levers and the A Lever)
	76-	Tactile Warning — Milled Outside Lever (Not available with Studio and Coastal Levers and the A Lever)
	77-	Tactile Warning — Milled Inside and Outside Lever (Not available with Studio and Coastal Levers and the A Lever)
	85-	Tactile Warning — Abrasive Coating on Inside Lever
	86-	Tactile Warning — Abrasive Coating on Outside Lever
	87-	Tactile Warning — Abrasive Coating on Inside and Outside Lever
Finish Protection	CPC-	Clear Powder Coat (Available for 26, 26D, 32 and 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Available with 15, 26D, and 32D finishes)
Electrical Options	91-	Power wiring harness
Thumbturns (See Page 30)	T1-	Decorative thumburn; backplate matches rose design chosen
	T2-	Decorative square thumburn; backplate matches rose design chosen
	T3-	Decorative cylinder thumburn; backplate matches rose design chosen
Outside Locked Levers	FW-	Freewheeling locking levers
Keyed Different	KD-	Cylinders provided keyed differently/random

1. Specify locktype/function (see pages 6-10 for more information): 7978, 7979, 10G77, 8877, 8878, 8977, 8978

Example: IN-100-EM017978-IP-MB-26D

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Cylinder Options[1]

Degree Cylinders	DG1-	SARGENT Degree Key System Level 1 (Bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG2-	SARGENT Degree Key System Level 2 (Geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG3-	SARGENT Degree Key System Level 3 (Geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
	DG3-65-	Degree Level 3 Unassembled/Uncombined Core

1. Not available on EK1

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Cylinder Options[1]

Conventional Cylinder	—	SARGENT Conventional Cylinders supplied Standard (Nomenclature not required)
Signature Key System	10-	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature: Large Format Interchangeable Core (Removable Core)	10-63-	SARGENT Signature LFIC (Removable Core) Cylinder
XC- Key System	11-	XC Key System (not available with 10-, 10UL options)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	11-60-	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic core — provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)
XC- Small Format Interchangeable Core	11-70-7P-	Hardware to accept XC- SFIC (7 Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65- 73-7P-	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core (Packed Loose)
Construction Key Systems	21-	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63-, 73-, 82-, SC- & SE-)
Old Style Removable Core	51-	Removable Core Cylinder (Old Style) provided (Existing Systems Only) (Not available with 10X Line)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (Existing Systems Only) (Not available with 10X Line)
Large Format Interchangeable Core (Removable Core)	60-	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable plastic core provided (Permanent Cores Ordered Separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered separately)

1. Not available on EK1

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Cylinder Options[1]

Small Format Interchangeable Cores	70-	Hardware to accept 6 or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core Ordered Separately)
	73-	Hardware supplied with 6-Pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) Core (Packed loose for field keying)
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) Core (Packed loose for field keying)
	73-7P-	Hardware supplied with Small Format 7 Pin Interchangeable Core (Includes masterkeying, grand masterkeying)
Keso & Keso F1	81-	Hardware provided with housings to accept Keso (83) and Keso F1 (F1-83-) removable cores (Not available with 10X Line) (Permanent Cores Ordered Separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder (Not available with 10X Line)
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10X Line) (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Not available with 10X Line) (Permanent Cores ordered separately)
Bump Resistant	BR-	Bump Resistant Cylinder (Available with Conventional and Conventional XC Cylinders Only)
Less Cylinder	LC-	Hardware supplied less cylinder
Accepts Schlage Cylinders	30-	10X Line Lever to accept Schlage Cylinder-Cylinder is not provided (10X Line only)
	SF-	10X Line L, B or P lever to accept Schlage® large format interchangeable core (supplied less core, tailpiece included).
Schlage Keyways	SC-	Schlage® C keyway cylinder, 0 bitted (10X Line only)
	SE-	Schlage® E keyway cylinder, 0 bitted (10X Line only)
Accepts ASSA ABLOY ACCENTRA® Cylinders/Cores	YC-	10X Line lever to accept Corbin Russwin or ASSA ABLOY ACCENTRA® 6-pin fixed core cylinder - less cylinder, tailpiece provided (all designs)
	YC-7P-	10X Line lever to accept Corbin Russwin or ASSA ABLOY ACCENTRA® 7-pin fixed core cylinder - less cylinder, tailpiece provided (all designs)
	YRC-	10X Line L or P Lever to accept ASSA ABLOY ACCENTRA® 6-pin large format interchangeable core (supplied less core, but with tailpiece needed)

1. Not available on EK1

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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SARGENT®

ASSA ABLOY

PRODUCT CATALOG

8X Line Cylindrical Knob Locks

Experience a safer
and more open world

Specifications

SARGENT
ASSA ABLOY

Features and Benefits. . . . 3
Functions, Knob and Rose Design . . . 4
Latches and Strikes. . . . 5
Mechanical Options and Cylinder Options . . . 6
How to Order, Finishes/Packaging and Architectural Specifications . . . 7

SPECIFICATIONS

Door Thickness	1-3/8" (35mm) – 2" (51mm). Factory preset to 1-3/4" (44mm)
Backsets	2-3/4" (70mm) standard
Front	Heavy wrought brass or stainless steel 2-1/4" (57mm) x 1-1/8" (29mm) Self-adjusting for flat to 1/8" (3mm) in 2" (51mm) bevel
Strike	Heavy wrought brass or stainless steel 808 ANSI curved lip strike (standard) 800 curved lip strike optional (specify 29- Option)
Hand	Universal, not handed
Knob	Heavy wrought brass or stainless steel
Roses	Heavy wrought brass or stainless steel
Latch	Stainless steel bolt 7/8" (22mm) dia. x 1/2" (13mm) throw
Cylinder	Brass, 6 pin, LA keyway standard
Keys	Two, nickel silver
Masterkeying	Can be masterkeyed or grand masterkeyed Construction key systems available
Finishes	03, 10BE, 32D
Door Prep	ANSI/SDI A250.14
Minimum Stile	4-1/2" (114mm) with 2-3/4" backset

CERTIFICATION COMPLIANCE

ANSI/BHMA	Certified ANSI/BHMA A156.2 Series 4000 - Grade 1
UL-cUL	UL and cUL Listed to U.S.A. and Canadian safety standards. Listed for 3 Hour Doors
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies

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

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WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

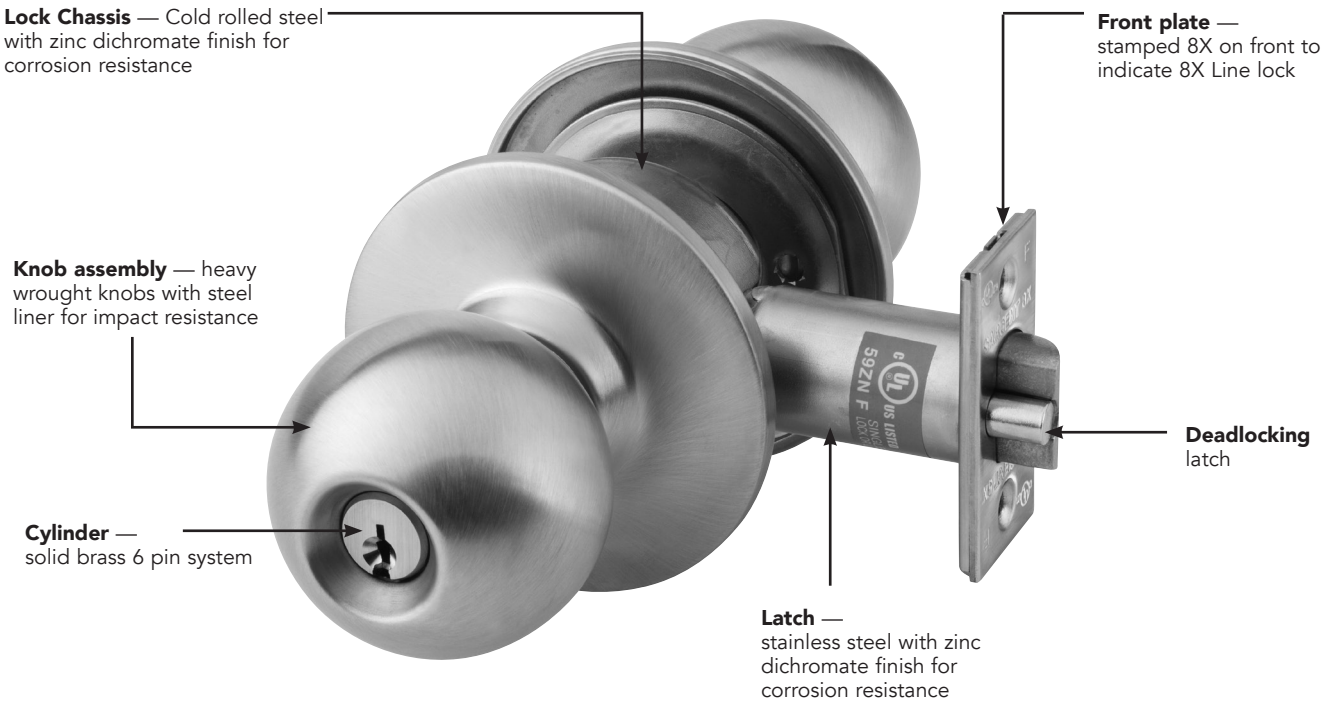
On The Cover

SARGENT 8XG05 X LB X 32D
Entry Lock with L rose and B knob in Satin Stainless Steel

Features & Benefits

FEATURES & BENEFITS

The SARGENT 8X line is designed and tested for robust applications. The Grade 1 bored-in lock is a worry free solution.



8XG05 x LB Shown

FEATURES & BENEFITS

Durability
- Certified to ANSI/BHMA A156.2 Series 4000 Grade 1

Flexibility
- Suitable for 1-3/8" – 2" thick doors
- Latches are reversible, self-adjusting to door bevel
- Accepts SARGENT standard, Signature and Degree® cylinders
- Available in 3 finishes
- Accurate alignment, smooth operation and reversibility of the lock without disassembly of knob and cylinder
- Versatile design to satisfy door requirements, making installation easy for new construction, as well as retrofits and renovations
- Design accommodates common door preps and satisfies all door handing
- Maintain and expand master keying systems' versatility for multiple levels of security
- Handles virtually all interior and exterior applications

Applications
- High traffic areas
- Hospitals
- Commercial buildings

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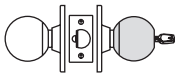
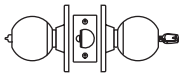
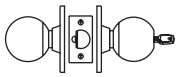
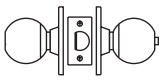
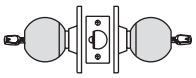
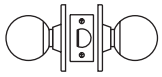
Functions,Knob and Rose Design

SINGLE CYLINDER FUNCTIONS

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	8XG04	Storeroom or Closet	F86	• Key outside retracts latch • Knob outside rigid at all times • Knob inside retracts latchbolt • Deadlocking latch
	8XG05	Entrance or Office	F109	• Latch by either knob unless outside knob is locked by turn button in inside knob • Turn button released by key outside or knob inside • Turn button must be released manually • Key retracts latch when outside knob is locked • Deadlocking Latch
	8XG37	Classroom	F84	• Key outside locks or unlocks knob outside • Knob outside retracts latch unless locked • Knob inside always retracts latch • Deadlocking latch

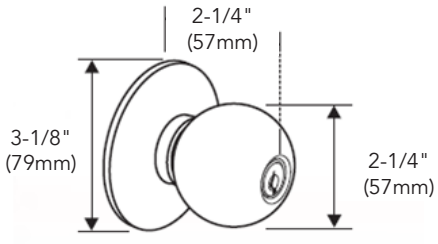
NON-CYLINDER FUNCTIONS

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	8XU65	Privacy/ Bathroom	F76A	• Either knob retract latch unless outside knob is locked by push button • Push button is released by turning inside knob or closing the door • Emergency release in outside knob unlocks outside knob with use of a blade screw driver or emergency key and releases inside button
	8XG17*	Utility, Asylum or Institution	F87	• Key from either side retracts latch • Both knobs rigid at all times • Deadlocking latch
	8XU15	Passage	F75	• Either knob retracts latch
	8XU93	Single Knob Pull	—	• Knob always rigid • No latch included • Surface mounted

*Use only on rooms with more than one exit.

LB DESIGN

- Rose: L – Heavy Wrought
- Knob: B – Heavy Wrought



Knob projections shown are for 1-3/4" (44mm) thick doors and will vary by door thickness.

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Latches and Strikes

LATCH ASSEMBLIES

Part	Type	Function
Standard 2-3/4" (70mm) Backset		
08-5282	Plain Latch	15, 65
08-5283	Deadlocking Latch	04,05,17,37

SCREW PACK

Includes the following:

- 2 each 5M-.8 x 31 Phillips Flat Machine Screws
- 2 each 6M x 20 Combination Screws
- 2 each 4M x 20 Combination Screws
- To order separately, specify 08-5285
- Finishes: 03, 10BE, 32D

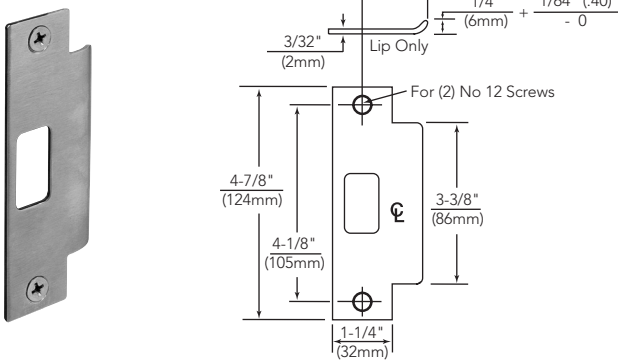
LATCHES

- To order latch with lock, specify option. Example: 28-8XG05 x OB x 26D x 2-3/4" (70mm) backset
- To order latch separately, specify: part number x finish (see table above)
- Front size: 2-1/4" (57mm) x 1-1/8" (29mm)
- Finishes: 03, 10BE, 32D

STRIKES

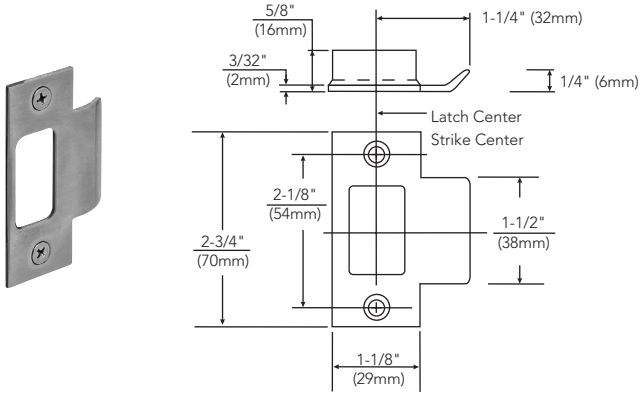
- To order strike separately, specify: strike x finish x lip length
- Finishes: 03, 10BE, 32D

4-7/8" Curved Lip Strike (Standard)



- Brass or stainless steel
- Conforms to ANSI standard
- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- Lip lengths: 7/8" (22mm), 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-5/8" (42mm), 1-7/8" (48mm), 2-1/8" (54mm), 2-3/8" (60mm), 2-5/8" (66mm), 2-7/8" (73mm) and 3" (76mm)
- To order strike separately, specify 808 strike x finish x lip length
- To order strike box, specify 77-1141 x finish

2-3/4" Curved Lip T- Strike (29- Option)



- Brass or stainless steel
- Furnished standard with 1-1/4" (32mm) curved lip from center of strike screw holes to end of lip
- Lip lengths : 7/8" (22mm), 1" (25mm), 1-1/4" (32mm), 1-1/2" (38mm), 1-3/4" (44mm) and 2" (51mm)
- To order strike separately, specify 800 strike x finish x lip length
- To order strike box, specify AM-0044 x finish

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Mechanical Options and Cylinder Options

MECHANICAL OPTIONS:

Strike	29-	Strike #800 Lip length 1-1/4" Lip lengths 1" to 2" in 1/4" increments only.
Security Fasteners	36-	Six lobe security head screws
	37-	Spanner head screws
Box Strike	WBS-	Wrought Box Strike

CYLINDER OPTIONS:

Conventional Cylinder	—	SARGENT Conventional Cylinders supplied Standard (Nomenclature not required) 0.226"
Degree Key System	DG1-	Sargent Degree Key System Level 1 (bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-65-	Degree Level 1 Unassembled/Uncombinated Fixed Core Component Cylinder (packed loose for field keying)
	DG2-	Sargent Degree Key System Level 2 (geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-65-	Degree Level 2 Unassembled/Uncombinated Fixed Core Component Cylinder (packed loose for field keying)
	DG3-	Sargent Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
Signature Key System	10-	SARGENT Signature Key System
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
XC- Key System	11-	XC Key System (not available with other Key Systems, unless specified)
	11-21-	XC Construction Key System (Lost Ball)
Construction Key Systems	21-	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
Less Cylinder	LC-	Lock supplied less Cylinder

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How to Order, Finishes/Packaging & Architectural Specifications

HOW TO ORDER

Specify	Note	Example
Quantity	Number Ordered	1 Qty
*Option	Additional Feature	1 Qty 36-29-
Lock Function	See Functions	1 Qty 36-29-8XG05
Trim Design	Rose x Knob	1 Qty 36-29-8XG05 LB
Finish	See Finishes	1 Qty 36-29-8XG05 LB 32D
Additional Information	Item/Heading Number, Door Number, Keyset Information	1 Qty 36-29-8XG05 LB 26D x Item 01 x DRL201 x Keyset AA3

*Can choose multiple options

PACKAGING

8XG05 x LB x 32D
3 lbs (1.4kg)

FINISHES

US Finish	Descriptions	ANSI/BHMA
03	Polished brass, clear coated	605
10BE	Dark Oxidized Satin Bronze — equivalent	613E
32D	Satin stainless	630

SUGGESTED ARCHITECTURAL SPECIFICATIONS

2.1 Heavy Duty Bored Lock

A. All bored knob locks shall be provided by Sargent Manufacturing Company, New Haven, CT.

B. Locks shall be certified ANSI A156.2 Series 4000, Grade 1.

C. Locks shall be completely reversible without disassembly of cylinder and knob.

D. Locks shall be able to fit a standard 2-1/8" (55 mm) bore (161 prep). Standard rose size shall be 3-1/8" (79 mm) diameter.

E. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of 3 hours (A label) and less, for doors up to 4'0" (1.2m) x 10'0" (3.0m)

F. Latch shall be minimum 1/2" (13mm) throw.

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

H. Locks shall have brass 6-pin cylinder, standard.

I. Provide two Nickel Silver keys with each lock.

J. Locks shall have a three year limited warranty.

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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SARGENT®
ASSA ABLOY

PRODUCT CATALOG

10X Line Cylindrical Lever Lock

Experience a safer
and more open world

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ASSA ABLOY

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MICROSHIELD®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

MICROSHIELD® COATING

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

agion Nature's antimicrobial **The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.**

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On The Cover

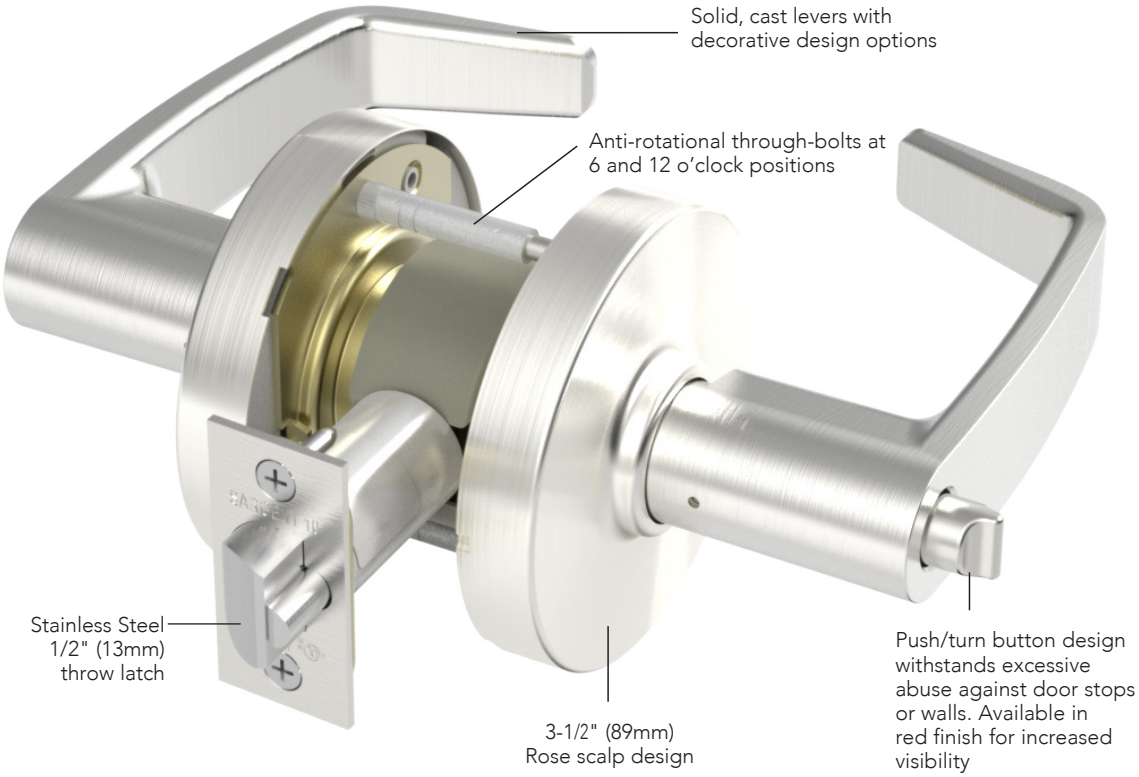
10XG05 x LMB Entrance Function

⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

Overview

The SARGENT 10X Line is engineered to secure and protect high-traffic, high-abuse spaces. It doesn't simply meet ANSI/BHMA Grade 1 performance standards for durability, strength and performance, it exceeds them - by as much as 20 times. That means occupants enjoy consistent performance for the life of the product.



Applications

- Heavy duty commercial and institutional interior and exterior doors
- Offices
- Schools/Universities
- Hospitals
- Manufacturing facilities
- Government

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Certifications

CERTIFICATION/COMPLIANCE

ANSI/BHMA	Certified ANSI/BHMA A156.2 (2022) Series 4000 — Grade 1 Certified ANSI/BHMA A156.41
UL/cUL	UL/cUL listed to US and Canadian safety standards for 3 hour doors up to 4' x 10' (double doors require 41- option)
UL294	Listed as an Access Control Accessory (10XG70 & 10XG71)
NFPA 80	Conforms for life safety and property protection, Standard for Fire Doors and Other Opening Protectives
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
ADA	The force required to activate all levers shall be 5 pounds (22.2N) maximum. All levers conform to ADA clear opening width requirements of ANSI A117.1.
California State Reference Code (Formerly Title 19, California State Fire Marshal Standard)	All levers with returns comply; levers return to within 1/2" (13mm) of door face
Windstorm/Hurricane	All individual components of a total door opening are required to comply with each code.

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

WINDSTORM CERTIFICATIONS: FLORIDA BUILDING CODES & UL LISTINGS

SARGENT Manufacturing's products meet building codes that require hurricane and windstorm certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 10X Line locks.

Florida Building Code: FL2998
UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI A250.13 (2014)	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ASTM E330 (2002)	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"*
ASTM E1886 (2005)	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"*
ASTM E1996 (2009)	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"*
(TAS) 201 (1994)	"Impact Test Procedures"*
(TAS) 202 (1994)	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"*
(TAS) 203 (1994)	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the 7th Edition (2020), "Florida Building Code" (FBC), State Product Approval Number FL2998

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330 (2002)	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ASTM E1886 (2005)	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996 (2009)	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"

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Technical Details

Door Prep	ANSI/SDI A250.14
Door Thickness	1-3/4" (44mm) thick door adjusts to 2" (51mm) standard 1-3/8" (35mm) thick door, specify 1- Option for Adapter plates Over 2" (51mm) up to 2-1/4" (57mm), specify 31- Option Over 2-1/4" (57mm) up to 6" (152mm) available by special application, contact Technical Product Support
Minimum Stile	4-1/2" (114mm)
Handing	Non-handed
Backset	2-3/4" (70mm) backset w/ 1-1/8" (29mm) front (standard) 2-3/8" (60mm) backset w/ 1" (25mm) wide front (specify 20- Option) 3-3/4" (95mm) backset w/ 1-1/8" (29mm) front (specify 23- Option) 5" (127mm) backset w/ 1-1/8" (29mm) front (specify 25- Option)
Latchbolt	Stainless steel, 1/2" (13mm) throw Optional: Brass 3/4" (19mm) throw deadlocking fire latch for pair of doors (specify 41- Option)
Front	Wrought brass and stainless steel 2-1/4" x 1-1-8" (57mm x 29mm) Fixed Bevel 2-1/4" x 1" (57mm x 25mm) (included with 20- Option)
Strike	Wrought brass, bronze and stainless steel 808 curved lip ANSI 4-7/8" strike - **standard** 800 curved lip strike (specify 29- Option) Wrought box strike available (specify WBS- Option)
Cylinder	Brass, 6-pin LA keyway, 1-bitted standard, specify KD for keyed different/random (see Options pages 21-22)
Keys	Two nickel silver change keys per lock standard
Masterkeying	Can be master keyed or grand master keyed Construction key systems available
Lead Lining	Lead provided between lockbody and spring cartridge (specify 74- Option)
Tactile Levers	Knurling (etching) or abrasive coating (applied finish) applied to backside of levers (see Options page 23)
Finishes	See page 23
Behavioral Health	Compatible with BHW trim (see page 7)
Visual Status Indicators	Compatible with VSL trim (see page 8)
Warranty	Ten-year limited

STRENGTH & DURABILITY

- UL Cycle above and beyond test completed at 20 Million Cycles. Verification ID: V584148
- Exceeds 3,100 in-lb abusive locked lever torque with no entry while maintaining egress (2.6 times ANSI/BHMA A156.2 requirements)
- Exceeds 1,600 lbs offset lever pull with no entry for protection against attacks (8 times ANSI/BHMA A156.2 requirements)
- Latch retraction with 100lb preload (2 times ANSI/BHMA A156.2) while maintaining ANSI/BHMA requirements for operation in warped doors
- No access with minimum 100 vertical impacts for protection against vandalism attempts (20 times ANSI/BHMA A156.2 requirements)
- Independent return springs allow lock to exceed ANSI/BHMA A156.2 Grade 1 cycle requirements without lever sag
- Innovative push/turn button design to withstand excessive abuse against door stops or walls.

FLEXIBILITY

- Lock chassis design supports all cylinder formats allowing flexibility for from fixed core to interchangeable core cylinders.
- High Security and security key systems available (Degree®, Signature, Keso, XC)
- Patented adjustable push/turn button for easy door thickness adjustment.
- Rigid lever standard; freewheeling levers available for vandal resistance.

BROAD OFFERING

- Available with 28 mechanical and 2 electrified functions
- 14 finishes plus MicroShield® options
- Multilple lever options including decorative, behavioral health and visual status indicators

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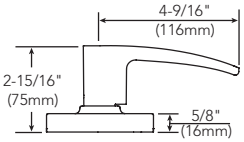
Lever & Rose Designs

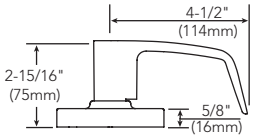
SARGENT
ASSA ABLOY

LEVERS - SOLID CAST ZINC

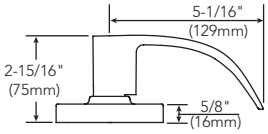
B



L*

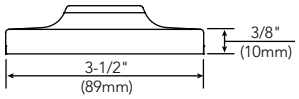


P*



ROSES - WROUGHT BRASS OR BRONZE

G



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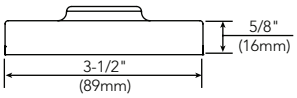
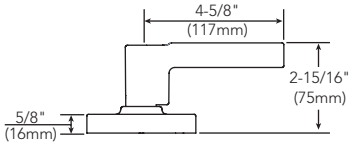


DECORATIVE LEVERS

MD



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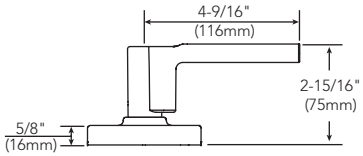

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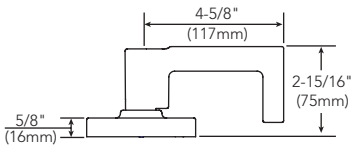

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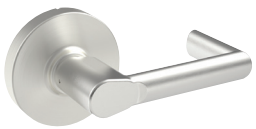

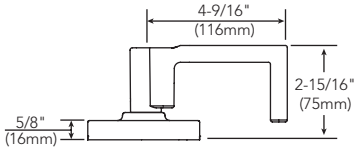

Any rose or lever on this page can be combined to suit individual taste.
All lever height measurements represent total distance from door face. Dimensions shown using L rose.
*Lever with return to within 1/2" of door face.

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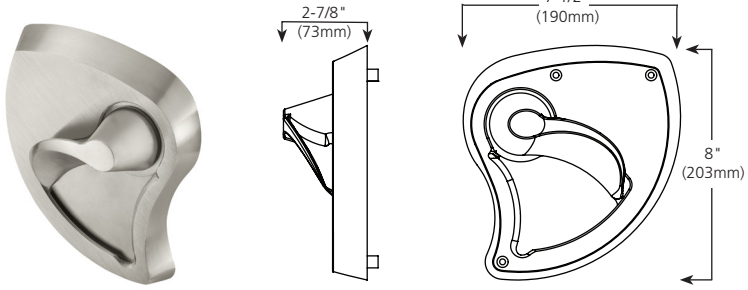
Behavioral Health

Part of the Behavioral Health Series® of products, the 10X Line cylindrical lock with BHW trim has tapered surfaces and an integrated lever and escutcheon, bringing an elegant style to behavioral health environments. The BHW trim is listed for low, medium and high risk areas in the widely recognized New York State Office of Mental Health (NYS-OMH) Patient Safety Standard.* The heavy-duty design and ANSI/BHMA Grade 1 strength of the 10X Line withstands abuse in any environment.

BHW

Lever & Escutcheon - Cast Stainless Steel



Door Prep	ANSI/SDI A250.14 modified. Refer to template 4753
Door Thickness	1-3/4" (44mm) thick door adjusts to 2" (51mm)
Minimum Stile	8-1/2" (216mm)
Handing	Handed - must be specified on order
Backset	2-3/4" (70mm) backset w/ 1-1/8" (29mm) front (standard) 3-3/4" (95mm) backset w/ 1-1/8" (29mm) front (specify 23- Option) 5" (127mm) backset w/ 1-1/8" (29mm) front (specify 25- Option)
Latchbolt	Stainless steel, 1/2" (13mm) throw
Front	Wrought brass and stainless steel 2-1/4" x 1-1-8" (57mm x 29mm) Fixed Bevel
Strike	Wrought brass, bronze and stainless steel 808 curved lip ANSI 4-7/8" strike - **standard** 800 curved lip strike (specify 29- Option) Wrought box strike available (specify WBS- Option)
Cylinder	Brass, 6-pin LA keyway, 1-bitted standard, specify KD for keyed different/random. (see Options pages 21-22)
Keys	Two nickel silver change keys per lock standard
Masterkeying	Can be master keyed or grand master keyed Construction key systems available
Lead Lining	Lead provided between lockbody and spring cartridge (specify 74- Option)
Fasteners	6-Lobe security head Torx® standard for exposed fasteners
Finish	32D
Functions	Available with functions as shown on pages 11-15 with the BHW icon
Outside Locked Lever	Free-wheeling (FW-) or rigid* (RGD) option for outside locked lever MUST be specified for the following functions: 10XG04, 10XG05, 10XG17, 10XG24, 10XG26, 10XG37, 10XG54, 10XU65, 10XG70 and 10XG71
Warranty	Ten-year limited for mechanical and two-year limited electronics

*Although this product is better designed for behavioral health applications than traditional trim, it does not eliminate the risk that an object can be affixed to, or around it. A lockset function that requires a rigid lever when locked or a push/turnbutton may introduce a ligature opportunity. Refer to Patient Safety Standards Guidelines for the latest approved products (https://omh.ny.gov/omhweb/patient_safety_standards/).

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Indicators

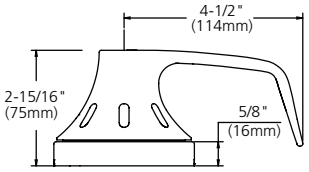
The 10X Line cylindrical lock with status indicators, is the ultimate intersection of security and privacy. Engineered for easy installation in any space, it ensures instant visibility of the door's lock status. Featuring six customizable status indicator windows for optimal visibility, it offers indicators for both sides of the door, one-motion egress, non-handed installation, and keyed functions. Built on the robust 10X Line lock body, it exceeds Grade 1 standards, making it ideal for high-traffic restrooms, classrooms, or rooms requiring additional privacy.

Features

- Patented design
- Inside, outside or ***both*** sides of the door
  - Indicator option code must be specified, see page 9.
- Highly visible from all angles
- Non-handed
- Multiple door thickness options
- Available with a variety of functions

VSLL

Lever - Solid Cast Zinc
Rose - Wrought Brass



Door Prep	ANSI/SDI A250.14
Door Thickness	1-3/4" (44mm) standard - accomodates 1-11/16" - 1-15/16" (43mm - 49mm) doors 1-3/8" (35mm) specify 1- Option for adapter plates 2" (51mm) specify 31- Option & 2" - accomodates 1-15/16" - 2-1/8" (49mm - 54mm) doors 2-1/4" (57mm) specify 31- Option & 2-1/4" - accomodates 2-1/8" - 2-5/16" (54mm - 59mm) doors
Minimum Stile	4-1/2" (114mm)
Handing	Non-handed
Backset	2-3/4" (70mm) backset w/ 1-1/8" (29mm) front (standard) 3-3/4" (95mm) backset w/ 1-1/8" (29mm) front (specify 23- Option) 5" (127mm) backset w/ 1-1/8" (29mm) front (specify 25- Option)
Latchbolt	Stainless steel, 1/2" (13mm) throw
Front	Wrought brass and stainless steel 2-1/4" x 1-1-8" (57mm x 29mm) Fixed Bevel
Strike	Wrought brass, bronze and stainless steel 808 curved lip ANSI 4-7/8" strike - **standard** 800 curved lip strike (specify 29- Option) Wrought box strike available (specify WBS- Option)
Cylinder	Brass, 6-pin LA keyway, 1-bitted standard, specify KD for keyed different/random. (see Options pages 21-22)
Keys	Two nickel silver change keys per lock standard
Masterkeying	Can be master keyed or grand master keyed Construction key systems available
Lead Lining	Lead provided between lockbody and spring cartridge (specify 74- Option)
Finishes	See page 24
Functions	Available with functions as shown on pages 11-14 with the VSL icon
Outside Locked Lever	Rigid outside locked levers provided standard. For free-wheeling levers specify FW- Option.
Warranty	Ten-year limited

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Indicators

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Functions
Indicators are available with the following 10X Line functions.

Type	Function	Function Description	ANSI #
Non-Cylinder	10XG14	Patio or Privacy	F77A
	10XU65	Privacy/Bathroom	F76A
	10XU66	Privacy/Bathroom	F76A
	10XU68	Hospital Privacy	—
Single Cylinder	10XG04	Storeroom or Closet	F86
	10XG05	Entrance or Office	F109
	10XG24	Entrance or Office	F82A
	10XG37	Classroom	F84
	10XG44	Service Station	F92
	10XG51	Keyed Privacy Indicator (Indicator Both Sides only)	—
	10XG53	Corridor, Dormitory	—
	10XG54	Corridor, Dormitory (Indicator Outside only)	F90
Double Cylinder	10XG38	Classroom Security Intruder (Indicator Inside only*)	F110

*Provided standard with Key Turn Indicator as shown on page 10.

How To Order

When ordering 10X Line indicator trim, the VSLL trim designation must be specified in addition to the indicator option code.

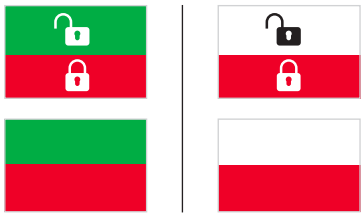
If indicators are specified on one side of the door only, the non-indicator side will be supplied with LL trim unless otherwise ordered.

Indicator Option Codes
10X Line indicator option codes are designed to convey color and side of door desired in one simple code. To order, specify option code.

Single Indicator			
Option Code	**Outside**	**Inside**	**Color**
V30	Indicator Trim	Standard Trim	Green/Red - Icon
V60	Indicator Trim	Standard Trim	White/Red - Icon
V03	Standard Trim	Indicator Trim	Green/Red - Icon
V06	Standard Trim	Indicator Trim	White/Red - Icon

Double Indicator			
Option Code	**Outside**	**Inside**	**Color**
V33	Indicator Trim	Indicator Trim	Green/Red - Icon
V66	Indicator Trim	Indicator Trim	White/Red - Icon
V77^	Indicator Trim	Indicator Trim	Green/Red - No Icon
V88^	Indicator Trim	Indicator Trim	White/Red - No Icon

^Available with 10XG51 function only



HOW TO ORDER EXAMPLES

Indicator Outside Only

Options	Function	Outside Design & Trim	Inside Design & Trim	Hand	Finish
V30	10XU65	VSLL	LL	RH	26D

Privacy function with indicator on **outside only in green/red**. Inside would be provided with LL trim.

Indicator Inside Only

Options	Function	Outside Design & Trim	Inside Design & Trim	Hand	Finish
V06	10XU65	LMD	VSLL	RH	26D

Privacy function with indicator on **inside only in white/red**. Outside would be provided with LMD trim.

Indicator Both Sides

Options	Function	Trim	Design	Hand	Finish
V33	10XU65	VSL	L	RH	26D

Privacy function with indicator on **both sides in green/red**.

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Indicators

RED BUTTON OPTION

The 10X Line locksets are available with a red push or turn button for increased visibility to status.

Providing the red push button allows users to easily see if the button is pushed in to indicate the outside lever is locked.

Features
- Available for all push/turn button functions
- Bright red powder coat finish to easily see from a distance
- Economical solution for status indication

How to Order
Specify option code "RPB".
Available with the following functions:

Type	Function	Function Description	ANSI #
Non-Cylinder	10XG14	Patio	F77A
	10XU65	Privacy Coin turn	F76A
	10XU66	Privacy EM Key	F76A
	10XU68	Hospital Privacy (Inside only)	—
Single Cylinder	10XG05	Entry	F109
	10XG24	Entry	F82A
	10XG44	Service Station	F92
	10XG50	Hotel	F93
	10XG51	Keyed Privacy Indicator	—
	10XG53	Dormitory	—
	10XG54	Dormitory	F90

Order Example

Option	Function	Trim	Finish	Hand
RPB-	10XU65	LL	26D	RH

KEY TURN INDICATOR

The 10XG16 & 10XG38 Classroom functions allow locking of the outside lever from the inside with the key. The Key Turn Indicator is provided standard on the inside rose* for these functions and in a panic situation, it serves as a quick reference for locking the door. Egress is always possible with the "anti-panic" feature, which keeps the outside lever locked if the inside lever is activated.

*Provided on lever for VSL indicator trim.

Standard Trim

Indicator Trim

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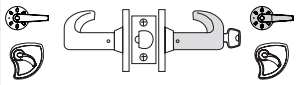
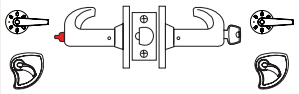
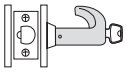
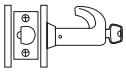
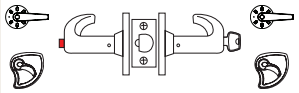
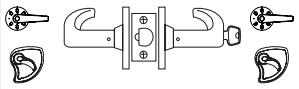
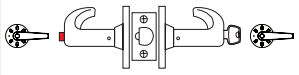
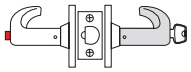
Functions

SINGLE CYLINDER FUNCTIONS

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	10XG04	Storeroom or Closet	F86	• Deadlocking latch • Latch by lever inside or key outside • Outside lever locked at all times
	10XG05	Entrance or Office	F109	• Deadlocking latch • Latch by either lever unless outside lever is locked by push/turn button in inside lever • Push button released by key outside or lever inside • Turn button must be released manually • Key retracts latch when outside lever is locked
	10XG07	Communicating Storeroom	F112	• Deadlocking latch • Latch by key • Lever locked at all times • Lever on one side; blank plate on other side
	10XG08	Communicating Classroom	F113	• Deadlocking latch • Latch by lever unless lever is locked by key • Key in lever locks or unlocks lever and retracts latch • Lever on one side; blank plate on other side
	10XG24	Entrance or Office	F82A	• Deadlocking latch • Latch by either lever unless outside lever is locked by push button in inside lever • Push button released by key or turning inside lever • Closing door does not unlock outside lever or release button • Key in outside lever retracts latch when outside lever is locked and releases inside push button
	10XG37	Classroom	F84	• Deadlocking latch • Latch by either lever unless outside lever is locked by key • Key in outside lever locks or unlocks outside lever and retracts latch • Inside lever always operative
	10XG44	Service Station	F92	• Deadlocking latch • Latch by either lever unless outside lever is locked by push button in inside lever • Key retracts latch when outside lever is locked • Push button released by turning inside lever, closing door, or by key in outside lever unless push button is fixed in locked position by turning coin slot in inside lever • Slotted inside button must be manually released
	10XG50	Hotel, Dormitory or Apartment	F93	• Deadlocking latch • Latch by key outside and lever inside • Outside lever always locked • Depressing push button when door is closed shuts out all keys except emergency key and projects visual occupancy indicator in cylinder face • Push button released by turning inside lever or by closing door, unless push button has been fixed in locked position by spanner key (provided). • When push button is fixed in locked position by spanner key, lock is operable only by emergency key. • See option page for restrictions to 50 function • Emergency key ordered separately. Part # 6267EMK plus key system registry number

Shaded lever indicates it is rigid/locked at all times.
Freewheeling locking levers available on all locking functions, specify FW- Option.

Indicates function available with BHW trim.

Indicates function available with VSL trim.

Indicates function available with RPB option.

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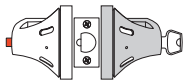
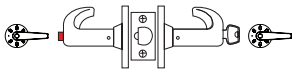
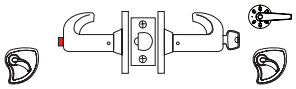
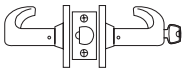
Functions

SINGLE CYLINDER FUNCTIONS

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	10XG51	KEYED PRIVACY INDICATOR	—	• Deadlocking latch • Latch by lever inside or key outside • Outside lever locked at all times with indicator displaying Green or White • Pushing button in inside lever changes status of indicator to Red on both sides • Rotating inside lever or closing door releases button and returns status of indicator to Green or White • Inside lever always free • Function only available with VSL trim on both sides • Function only available with V77 or V88 option codes Note: This function is only available freewheeling and must be ordered with FW- option. Note: Pushbutton changes indicator status only. Latchbolt always operated by key.
	10XG53	Corridor, Dormitory	Modified F90	• Deadlocking latch • Latch by either lever unless outside lever is locked by push button inside or key outside • Key outside locks or unlocks outside lever and also retracts latchbolt when locked • When outside lever is locked by push button or key, it can be unlocked by key, rotating inside lever or closing door
	10XG54	Corridor, Dormitory	F90	• Deadlocking latch • Latch by either lever unless outside lever is locked by push button inside or key outside • Rotating inside lever or closing door releases inside button only, but does not unlock the outside lever if locked by key • Key outside locks or unlocks outside lever and also retracts latchbolt when locked
	10XG60	Barrier Free Storeroom/ Public Restroom	—	• Deadlocking latch • Latch by lever inside • Key in outside lever unlocks outside lever to retract latch • Key is retained in unlock mode • When key is removed outside lever is locked

Shaded lever indicates it is locked at all times.

Indicates function available with VSL trim.

Indicates function available with BHW trim.

 Indicates function available with RPB option.

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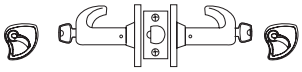
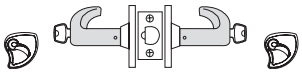
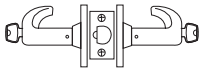
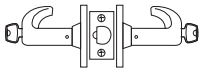
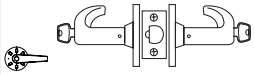
Functions

DOUBLE CYLINDER FUNCTIONS

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	10XG16	Classroom Security, Apartment, Exit, Privacy	F88	• Deadlocking latch • Latch by either lever unless outside lever is locked by key in inside lever • Key in outside lever retracts latch when outside lever is locked • Inside lever always operative • Key turn indicator standard with this function, see page 10
	10XG17	Utility, Asylum or Institutional	F87	• Deadlocking latch • Both levers locked at all times • Latch by key either side • Use only on rooms with more than one exit
	10XG26	Store or Storeroom	F91	• Deadlocking latch • Latch by either lever • Key in either lever locks or unlocks both levers
	10XG30	Communicating	F80	• Deadlocking latch • Latch by either lever • Key in either lever locks or unlocks its own lever only • Use only on rooms with more than one exit
	10XG38	Classroom Security Intruder	F110	• Deadlocking latch • Latch by either lever unless outside lever is locked by key • Key in either lever locks or unlocks outside lever • Inside lever always operable • Key turn indicator standard with this function, see page 10

Shaded lever indicates it is rigid/locked at all times.

Freewheeling locking levers available on all locking functions, specify FW- Option.

Indicates function available with BHW trim.

Indicates function available with VSL trim.

Indicates function available with RPB option.

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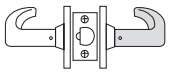
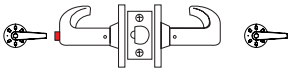
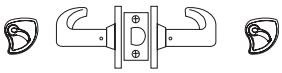
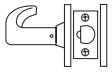
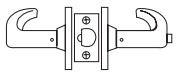
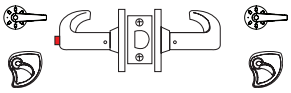
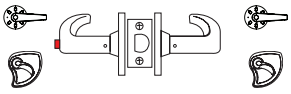
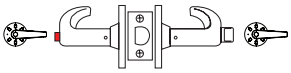
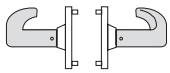
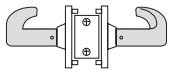
Functions

NON-CYLINDER FUNCTIONS

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	10XG13	Exit	F89	• Deadlocking latch • Latch by inside lever • Outside lever locked at all times
	10XG14	Patio or Privacy	F77A	• Deadlocking latch • Latch by either lever unless outside lever is locked by push button in inside lever • Turning inside lever or closing door releases button • Should not be used in rooms that have no other entrance
	10XU15	Passage	F75	• Latch by either lever
	10XG15-3	Exit or Communicating	—	• Deadlocking latch • Blank rose outside • Latch by lever inside • Minimum clearance of 1-1/8" on single doors and 2-1/4" between double doors
	10XG64	Time Out Lock	—	• Deadlocking latch • Latch by either lever either side (passage) unless push button depressed and held by caretaker (detention side becomes rigid). Lock returns to passage mode upon release of push button. • Push button automatically releases when caretaker releases push button. • Both levers always free
	10XU65	Privacy/Bathroom	F76A	• Latch by either lever unless outside lever is locked by push button in inside lever • Turning inside lever or closing door releases button • Emergency cointurn (key/tool p/n 14-0057, not provided) in outside lever releases inside button
	10XU66	Privacy/Bathroom	F76A	• Latch by either lever unless outside lever is locked by push button in inside lever • Turning inside lever or closing door releases button • Emergency release key/tool (p/n 10-1587 provided) in outside lever releases inside button
	10XU68	Hospital Privacy	—	• Latch by either lever unless outside lever is locked by push button in inside lever • Turning inside lever or closing door releases button • Rotating thumbturn in outside lever unlocks the outside lever and releases the inside button
	10XU93	Single Lever Pull	—	• Lever acts as a pull only, no operation • Lever is rigid • Requires special door preparation, see template A8294
	10XU94	Double Lever Pull	—	• Lever and rose both sides joined by two through-bolts • Levers act as a pulls only, no operation • Levers are rigid • Requires special door preparation, see template A8294
	10XU94-2	Double Lever Pull	—	• For wood or custom hollow metal doors • Lever and rose both sides joined by two through-bolts • Dummy latch plate • Uses standard door prep template

Shaded lever indicates it is rigid/locked at all times.
Freewheeling locking levers available on all locking functions, specify FW- Option.

Indicates function available with BHW trim.

Indicates function available with VSL trim.

Indicates function available with RPB option.

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Technical Details

SARGENT
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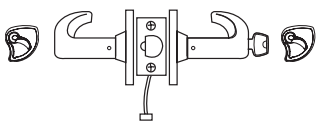
The 10X Line electrified lock provides remote locking and unlocking, utilizing the 10X Line cylindrical lock. It is ideal for door control where increased security is necessary at all times, while meeting life safety codes.

FEATURING ECOFLEX®

- Reduces energy consumption up to 92%, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

Door Prep	ANSI/SDI A250.14
Door Thickness	1-3/4" (44mm) thick door adjusts to 2" (51mm) standard 1-3/8" (35mm) thick door, specify 1- Option for Adapter plates Over 2" (51mm) up to 2-1/4" (57mm), specify 31- Option
Minimum Stile	4-1/2" (114mm)
Handing	Non-handed
Backset	2-3/4" (70mm) backset w/ 1-1/8" (29mm) front (standard) 2-3/8" (60mm) backset w/ 1" (25mm) wide front (specify 20- Option) 3-3/4" (95mm) backset w/ 1-1/8" (29mm) front (specify 23- Option) 5" (127mm) backset w/ 1-1/8" (29mm) front (specify 25- Option)
Latchbolt	Stainless steel, 1/2" (13mm) throw Optional: Brass 3/4" (19mm) throw deadlocking fire latch for pair of doors (specify 41- Option)
Front	Wrought brass and stainless steel 2-1/4" x 1-1-8" (57mm x 29mm) 2-1/4" x 1" (57mm x 25mm)
Strike	Wrought brass, bronze and stainless steel 808 curved lip ANSI 4-7/8" strike - **standard** 800 curved lip strike (specify 29- Option) Wrought box strike available (specify WBS- Option)
Cylinder	Brass, 6-pin LA keyway, 1-bitted standard, specify KD for keyed different/random
Keys	Two nickel silver change keys per lock standard
Masterkeying	Can be master keyed or grand master keyed Construction key systems available
Voltage	Accommodates 12VDC or 24VDC (Operating range 10.2VDC to 26.4VDC). Lock is polarity sensitive.
Electrical Specifications	Fail Safe / Fail Secure Current draw: 10mA @ 12VDC or 24VDC Continuous Peak current draw: 500mA @ 12VDC or 24VDC (Maximum of 2 locks per 1A Power Supply) Monitor switch rating: 500mA Max to 24VDC
Electrical Options	Request to Exit switch for monitoring activation of the inside lever (specify RX- Option)
Operating Temperature	-13°F (-25°C) to 151°F (66°C)
Operating Humidity	5% to 95% relative humidity non condensing
ElectroLynx®	Provided with 8-pin molex connector
Finishes	See page 24
Warranty	Two-year limited

FUNCTIONS

Inside Outside	Series/Function	Function Description
	10XG70	Fail Safe • Deadlocking latch by lever either side except when power on locks outside lever • Power off/unlocks outside lever • Inside lever always free • Latchbolt retracted by key when locked electrically
	10XG71	Fail Secure • Deadlocking latch by lever either side except when power off locks outside lever • Power on/unlocks outside lever • Inside lever always free • Latchbolt retracted by key when power is off

Indicates function available with BHW trim.

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Electrical Accessories

REQUIREMENTS FOR ELECTRICAL AND DATA TRANSFER

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

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

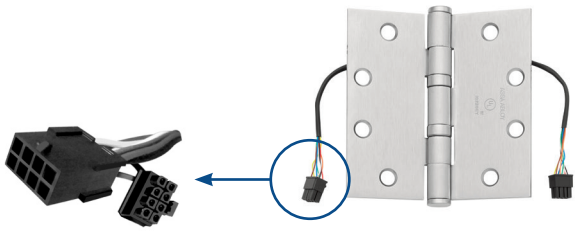
Features of ElectroLynx®:
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect 10X Line Electrified Lock to the electronic access control system, the following items are required:

- 10X Line Electrified Lock
- ASSA ABLOY Door Group pre-wired door, or ElectroLynx® retrofit cable (order from McKinney)
- Electronic transfer device (ElectroLynx® electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKinney)
- ElectroLynx® cable from the hinge to above the ceiling (order from McKinney)

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

McKinney QC8 ElectroLynx® hinges are recommended for Electrified 10X Line Applications.



LSP-12-24 POWER SUPPLY

Operation
LifeSafety Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components.

Features
- Selectable voltage output between 12V and 24V with a single switch
- Internal Back-Up battery charging circuit *
- Regulated and filtered, fuse protected outputs
- Each output can be individually turned on and off via a jumper
- Power status of each output is shown by an LED
- Rugged steel enclosure
- Fire alarm interface included – Dry contacts NO/NC, 9-33VDC, 3-15mA

Electrical Specifications
- Inputs: 120VAC
- Outputs: 12VDC @ 6 Amp or 24VDC @3 Amp
  – 8 Total Outputs

Listings
- UL294, UL603, UL1076
- ULC S318, ULC S319

Applications
- Fail safe cylindrical locks
- Fail secure cylindrical locks

* Note: Batteries are not included with the power supply

Model No.	Description
LSP-12-24	12V – 6AMP / 24V – 3AMP Power Supply

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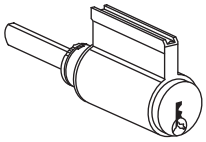
Cylinders

Cylinders are supplied 1-bitted unless specified keyed random or master keyed. For master keyed orders provide keying details as requested on SARGENT Keyed Order Lead Sheets, located in the price book or contact customer service.

FIXED CORE

Description	Pins	Door Thickness	Used with Mechanical Functions	Used with Electrified Functions
Conventional	6	1-3/8" - 2"	C10X-1	C10X-1E
		2-1/4"	31-C10X-1	31-C10X-1E
Hotel	6	1-3/8" - 2-1/4"	C10X-2	N/A
Signature	6	1-3/8" - 2"	10-C10X-1	10-C10X-1E
		2-1/4"	10-31-C10X-1	10-31-C10X-1E
XC	6	1-3/8" - 2"	11-C10X-1	11-C10X-1E
		2-1/4"	11-31-C10X-1	11-31-C10X-1E
Keso	6	1-3/8" - 2"	F1-82-C10X-1	F1-82-C10X-1E
		2-1/4"	F1-82-31-C10X-1	F1-82-31-C10X-1E
Degree® - Patented (DG1)	6	1-3/8" - 2"	DG1-C10X-1	DG1-C10X-1E
		2-1/4"	DG1-31-C10X-1	DG1-31-C10X-1E
Degree® - Patented Hotel (DG1)	6	1-3/8" - 2-1/4"	DG1-C10X-2	N/A
Degree® - Security (DG2)	6	1-3/8" - 2"	DG2-C10X-1	DG2-C10X-1E
		2-1/4"	DG2-31-C10X-1	DG2-31-C10X-1E
Degree® - Security Hotel (DG2)	6	1-3/8" - 2-1/4"	N/A	N/A
Degree® - High Security (DG3)	6	1-3/8" - 2"	DG3-C10X-1	DG3-C10X-1E
		2-1/4"	DG3-31-C10X-1	DG3-31-C10X-1E
Degree® - High Security Hotel (DG3)	6	1-3/8" - 2-1/4"	N/A	N/A



C10X-1

- Cylinders are brass and come with 2 nickel silver keys.
- Finishes: 04, 15 or BSP.
- To order cylinders separately, specify Model No. x Keyway x Finish (e.g., C10X-1 x LA x 15).
- Refer to 10X Line Parts Manual for tailpiece information.

LARGE FORMAT INTERCHANGEABLE CORE^

Description	Pins	Used with All Functions
Conventional	6	6300
Hotel	6	N/A
Signature	6	10-6300
XC	6	11-6300
Keso	6	N/A
Degree® - Patented (DG1)	6	DG1-6300
Degree® - Security (DG2)	6	DG2-6300
Degree® - High Security (DG3)	6	DG3-6300
Degree® - Hotel Patented (DG1)	6	N/A
Degree® - Hotel Security (DG2)	6	N/A
Degree® - Hotel High Security (DG3)	6	N/A

DG-6300

- Cores are brass and come with 2 nickel silver keys.
- Finishes: 04, 15 or BSP.
- To order cores separately, specify Model No. x Keyway x Finish (e.g., 6300 x LA x 15).
- Refer to 10X Line Parts Manual for tailpiece information.

^ Locks will be provided with the applicable tailpiece per the type interchangeable and/or removable core being used. For example standard cores and XC cores require different tailpieces. When ordering complete locks, the appropriate option code must be specified in accordance to the permanent core being used. See pages 21-22 for cylinder options.

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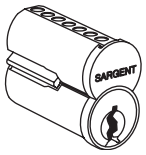
Cylinders

SMALL FORMAT INTERCHANGEABLE CORE^

Description	Pins	Used with All Functions
Conventional	6	7300B
	7	7P-7300B
XC	7	11-7P-7300B



7P-7300B

- Cores are brass and come with 2 nickel silver keys.
- Finishes: 04 or 15.
- Refer to 10X Line Parts Manual for tailpiece information.

^ Locks will be provided with the applicable tailpiece per the type interchangeable and/or removable core being used. For example standard cores and XC cores require different tailpieces. When ordering complete locks, the appropriate option code must be specified in accordance to the permanent core being used. See pages 21-22 for cylinder options.

CYLINDERS WITH COMPETITIVE KEYWAYS

Description	Pins	Door Thickness	Used with Mechanical Functions	Used with Electrified Functions
Schlage® C (0-bitted)	6	1-3/8" - 2"	SC-C10X-1	SC-C10X-1E
		2-1/4"	SC-31-C10X-1	SC-31-C10X-1E
Schlage® E (0-bitted)	6	1-3/8" - 2"	SE-C10X-1	SE-C10X-1E
		2-1/4"	SE-31-C10X-1	SE-31-C10X-1E

- Cylinders are brass and come with 2 nickel silver key blanks.
- Finishes: 04 or 15.

LEVERS THAT ACCEPT COMPETITIVE INTERCHANGEABLE CORE CYLINDERS*

Cylinder Type	Option Code
SFIC 6 or 7-pin (all designs)	70- Tailpiece included
Schlage® 6-pin LFIC (L, B, P, BHW or VSLL only)	SF- Tailpiece included
ASSA ABLOY ACCENTRA® 6-pin LFIC 1210, 5210, K800-6 (L, P or VSLL only)	YRC Tailpiece included

LEVERS THAT ACCEPT COMPETITIVE FIXED CORE CYLINDERS*

Competitive Cylinder	Option Code
Schlage® 6-pin fixed core 20-548, 20-550, 20-748, 20-750, 21-002, 23-001, 23-013	30- Tailpiece and special lever included
Corbin Russwin 6-pin fixed core CR2000, CR2010, CR2020, CR2027, CR2500, CR2600, CR2700	YC- Tailpiece and special lever included
Corbin Russwin 7-pin fixed core CR2000-7	YC-7P- Tailpiece and special lever included
ASSA ABLOY ACCENTRA® 6-pin fixed core 1803, 5803, K403	YC- Tailpiece and special lever included
ASSA ABLOY ACCENTRA® 7-pin fixed core 1803A, 5803A, K403A	YC-7P- Tailpiece and special lever included

*Cylinder not included.
Refer to 10X Line Series Parts Manual for tailpiece information.

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90890 12/25

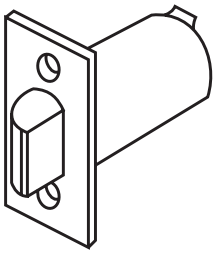
Latches

LATCHES

• Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32D, BSP, WSP

Plain/Unguarded Latch - 10XU15, 10XU65, 10XU68:

Part No.	Front	Front Width	Backset	Throw
10-3187	Square Corner	1" (25mm)	2-3/8" (60mm)	1/2" (13mm)
10-2022	Square Corner	1-1/8" (29mm)	2-3/4" (70mm)	1/2" (13mm)
10-2054	Square Corner	1-1/8" (29mm)	3-3/4" (95mm)	1/2" (13mm)
10-2057	Square Corner	1-1/8" (29mm)	5" (127mm)	1/2" (13mm)

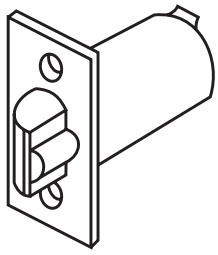


Plain/Unguarded

Deadlocking/Guarded Latch - All Other Mechanical Functions:

Part No.	Front	Front Width	Backset	Throw
10-3186	Square Corner	1" (25mm)	2-3/8" (60mm)	1/2" (13mm)
10-3192	Square Corner	1-1/8" (29mm)	2-3/4" (70mm)	1/2" (13mm)
10-2053	Square Corner	1-1/8" (29mm)	3-3/4" (95mm)	1/2" (13mm)
10-2058	Square Corner	1-1/8" (29mm)	5" (127mm)	1/2" (13mm)
10-2634*	Square Corner	1-1/8" (29mm)	2-3/4" (70mm)	3/4" (19mm)

* 04/26D finish only



Deadlocking/Guarded

Deadlocking/Guarded Latch - Electrified Functions:

Part No.	Front	Front Width	Backset	Throw
10-3433	Square Corner	1" (25mm)	2-3/8" (60mm)	1/2" (13mm)
10-3430	Square Corner	1-1/8" (29mm)	2-3/4" (70mm)	1/2" (13mm)
10-3431	Square Corner	1-1/8" (29mm)	3-3/4" (95mm)	1/2" (13mm)
10-3432	Square Corner	1-1/8" (29mm)	5" (127mm)	1/2" (13mm)

When ordering latches separately, specify Part No. x Finish
(e.g., 10-3186 x 32D)

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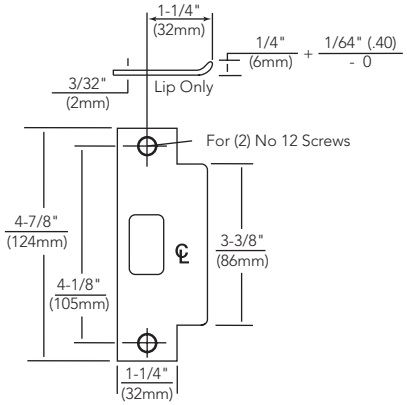
Strikes and Miscellaneous Parts

STRIKES

- Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP, WSP

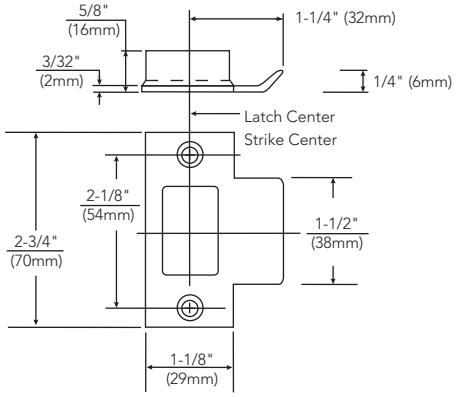
4-7/8" Curved Lip Strike (Standard)

- Brass, bronze or stainless steel
- Conforms to ANSI standard
- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- Lip lengths: 7/8" (22mm), 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-5/8" (42mm), 1-7/8" (48mm), 2-1/8" (54mm), 2-3/8" (60mm), 2-5/8" (66mm), 2-7/8" (73mm) and 3" (76mm)
- 77-1141 Wrought strike box available separately
- To order strike separately, specify 808 strike x finish x lip length



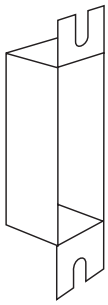
2-3/4" Curved Lip Strike (29- Option)

- Brass, bronze or stainless steel
- Furnished standard with 1-1/4" (32mm) curved lip from center of strike screw holes to end of lip
- Lip lengths 1" (25mm), 1-1/4" (32mm) standard, 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm) and 3" (76mm)
- Plastic strike box AM-0044 included when 29- ordered with lockset
- To order strike separately, specify 800 strike x finish x lip length



ANSI Wrought Strike Box

- Used with ANSI 4-7/8" (124mm) strike (#808)
- To order with lock, specify option WBS
- To order separately, specify 77-1141



Plastic Door Prep Tool

- Used when upgrading from 10 Line to 10X Line locks
- To order, specify 10-1504

Miscellaneous Parts

Part No.	Description
10-3188	1-3/8" Adapter plate pack (set of 2)
C10X-3	Emergency release cylinder (65 function) 1-3/8"-2" door
31-C10X-3	Emergency release cylinder (65 function) 2-1/4" door
10-0043	Push pin tool
10-1224	Screw pack (standard)
10-1250	Screw pack (29- option)
10-1587	Emergency release key/tool (66 function)
14-0057	Emergency release key/tool (65 function)
82-3855	6 Lobe Torx® Bit Pack (36-) (sizes- T8, T9, T10, T15, T20, T25, T27) 7/16" Driver
82-3856	Spanner Bit Pack (37-) (sizes- 4, 6, 8, 10, 12, 1/4") 1/4" Driver

Refer to 10X Line Parts Manual for additional parts information.

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Cylinder Options

SARGENT®
ASSA ABLOY

CYLINDER OPTIONS:

Conventional Cylinder	—	SARGENT® conventional cylinders supplied standard (nomenclature not required)
Degree Key System	DG1-	SARGENT Degree key system level 1 (bump resistant with patented keys)
	DG1-21-*	Degree level 1 construction master keying
	DG1-60-*	Degree level 1 removable disposable construction core
	DG1-63-*	Degree level 1 removable core
	DG1-64-*	Degree level 1 removable construction keyed LFIC
	DG1-65-*	Degree level 1 unassembled/uncombinated fixed core component cylinder (packed loose for field keying)
	DG1-63-65-*	Degree level 1 unassembled/uncombinated removable core LFIC (packed loose for field keying)
	DG2- *	SARGENT Degree key system level 2 (geographically exclusive; bump and pick resistant)
	DG2-21- *	Degree level 2 construction master keying
	DG2-60-*	Degree level 2 removable disposable construction core
	DG2-63-*	Degree level 2 removable core
	DG2-64-*	Degree level 2 removable construction keyed LFIC
	DG2-65-*	Degree level 2 unassembled/uncombinated fixed core component cylinder (packed loose for field keying)
	DG2-63-65-*	Degree level 2 unassembled/uncombinated removable core LFIC (packed loose for field keying)
	DG3-*	SARGENT Degree key system level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21- *	Degree level 3 construction master keying
	DG3-60-*	Degree level 3 removable disposable construction core
	DG3-63-*	Degree level 3 removable core
	DG3-64-*	Degree level 3 removable construction keyed LFIC
Signature Key System	10-*	SARGENT Signature key system
	10-21-*	SARGENT Signature construction key system (lost ball)
Signature: Large Format Interchangeable Core (Removable Core)	10-63-*	SARGENT Signature LFIC (removable core) cylinder
XC- Key System	11-*	XC Key System
	11-21-*	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	11-60-*	Lock to accept XC-LFIC (removable core) and provided with disposable plastic core; XC-LFIC permanent core ordered separately
	11-63-*	Lock provided with XC-LFIC (removable core); Includes master keying, grand master keying
	11-64-*	Lock to accept XC-LFIC (removable core) and provided with keyed construction core; XC-LFIC permanent core ordered separately.
XC- Small Format Interchangeable Cores	11-70-7P-*	Lock to accept XC-SFIC (7-pin, removable core) and provided with disposable plastic core; XC-SFIC permanent core ordered separately
	11-72-7P-*	Lock to accept XC-SFIC (7-pin, removable core) and provided with keyed construction core; XC-SFIC permanent core ordered separately
	11-73-7P-*	Lock provided with XC-SFIC (7-pin, removable core); Includes master keying, grand master keying
	11-65-73-7P-*	Lock provided with uncombinated SFIC (7-pin, removable core); Packed loose
Construction Key System	21-*	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)

Note: Cylinder Options continued on the following page
* Options not available with 10XG50

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Cylinder Options

SARGENT
ASSA ABLOY

CYLINDER OPTIONS:

Large Format Interchangeable Core (Removable Core)	60-*	Lock to accept LFIC (removable core) and provided with disposable plastic core; LFIC permanent core ordered separately
	63-*	Lock provided with LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying)
	64-*	Lock to accept LFIC (removable core) and provided with keyed construction core; LFIC permanent core ordered separately
Small Format Interchangeable Cores	70-*	Lock to accept SFIC (6 or 7-pin, removable core) and provided with disposable plastic core; SFIC permanent core ordered separately
	72-*	Lock to accept SFIC (6 or 7-pin, removable core) and provided with keyed construction core; SFIC permanent core ordered separately
	73-*	Lock provided with SFIC (6-pin, removable core); Includes master keying, grand master keying
	73-7P-*	Lock provided with SFIC (7-pin, removable core); Includes master keying, grand master keying
	65-73-*	Lock provided with uncombinated SFIC (6-pin, removable core); Packed loose
	65-73-7P-*	Lock provided with uncombinated SFIC (7-pin, removable core); Packed loose
Keso & Keso F1	80-*^	Lock to accept Keso and Keso F1 cylinders — no cylinders provided (L,B,P levers only)
	82-*^	Lock provided with SARGENT Keso Security Cylinder (L,B,P levers only)
	F1-82-*^	Lock provided with SARGENT Keso F1 Security Cylinder (Patented) (L,B,P levers only)
Bump Resistant	BR-	Bump Resistant Cylinder (available with Conventional & Conventional XC Cylinders only)
Keyed Different	KD-	Cylinders provided keyed differently/random
Less Cylinder	LC-	Lock supplied less cylinder, tailpiece provided
Schlage® Keyways	SC-*	Schlage® C keyway cylinder, 0 bitted
	SE-*	Schlage® E keyway cylinder, 0 bitted
Accepts Schlage® Cylinders	30-*	Lever to accept Schlage® fixed core cylinder - cylinder is not provided (all designs)
	SF-*	L, B, P, BHW or VSLL lever to accept Schlage® large format interchangeable core (supplied less core, tailpiece provided)
Accepts ASSA ABLOY ACCENTRA™ Cylinders/Cores	YC-	Lever to accept Corbin Russwin or ASSA ABLOY ACCENTRA® 6-pin fixed core cylinder - less cylinder, tailpiece provided (all designs)
	YC-7P-	Lever to accept Corbin Russwin or ASSA ABLOY ACCENTRA® 7-pin fixed core cylinder - less cylinder, tailpiece provided (all designs)
	YRC-^	L, P or VSLL Lever to accept ASSA ABLOY ACCENTRA® 6-pin large format interchangeable core (supplied less core, tailpiece provided)

* Options not available with 10XG50
^Not available with BHW trim

Note:

- 10X Line locks will be provided with the applicable tailpiece per the type of interchangeable and/or removable core being used. For example standard cores and XC cores require different tailpieces. Appropriate option codes must be specified in accordance to the permanent core being used.

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Mechanical Options

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MECHANICAL OPTIONS:

Thin Doors	1-^	Adapter plates for 1-3/8" thick doors (2-3/4" backset latch with 1-1/8" front provided unless 20- option for 2-3/8" backset also specified)
Backset Options	20-^	2-3/8" backset latch with 1" front
	23-	3-3/4" backset x 2-1/4" x 1-1/8" front
	25-	5" backset x 2-1/4" x 1-1/8" front
Strike	29-	Strike #800. Lip length 1-1/4". Lip lengths 1" to 2" in 1/4" increments only.
Thick Doors	31-^	For 2" to 2-1/4" thick doors, centered in door prep, no paneling. When specifying 31-, door thickness must be provided. Consult factory for other door thicknesses available by special application.
Security Fasteners	36-	6-Lobe security head Torx® screws (standard for BHW trim)
	37-^	Spanner head screws
3/4" Throw	41-^	3/4" throw latchbolt x 2-3/4" backset
Lead Lining	74-	Lead provided between lockbody and spring cartridge
Tactile Warning Options	75-	Tactile warning - handicap warning milled on backside of inside lever (L, B, P levers only)
	76-	Tactile warning - handicap warning milled on backside of outside lever (L, B, P levers only)
	77-	Tactile warning - handicap warning milled on backside of both levers (L, B, P levers only)
	85-^	Tactile warning - abrasive coating finish on inside lever (not available for VSLL)
	86-^	Tactile warning - abrasive coating finish on outside lever (not available for VSLL)
	87-^	Tactile warning - abrasive coating finish on both levers (not available for VSLL)
Outside Locked Levers	FW-	Freewheeling locking levers
	RGD-	Rigid locking levers
Finish Protection	SG-	MicroShield® antimicrobial clear powder coat (only available with 26D and 32D finishes)
	CPC-	Clear Powder Coat over 26D – 10XG05 x LL x 26D x CPC
Visual Status Indicators	RPB-	Push/turn button provided with red powder coat finish (available with functions: 05, 14, 24, 44, 50, 51, 53, 54, 65, 66, 68)
	V30	Indicator Outside Only with Icons - Green/Red
	V60	Indicator Outside Only with Icons - White/Red
	V03	Indicator Inside Only with Icons - Green/Red
	V06	Indicator Inside Only with Icons - White/Red
	V33	Indicator Both Sides with Icons - Green/Red
	V66	Indicator Both Sides with Icons - White/Red
	V77	Indicator Both Sides without Icons - Green/Red (10XG51 only)
	V88	Indicator Both Sides without Icons - White/Red (10XG51 only)
Request to Exit	RX-	Request to exit - monitors inside lever rotation (available with functions: 04, 05, 15, 37, 70 & 71)
Box Strike	WBS-	Wrought box strike

^Not available with BHW trim

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Finishes, Packaging

SARGENT #	Descriptions	ANSI/BHMA
03	Polished brass, clear coated	605
04	Satin brass, clear coated	606
09	Polished bronze, clear coated	611
10	Satin bronze, clear coated	612
10B	Oxidized bronze, oil rubbed	613
10BE	Dark oxidized satin bronze - equivalent	613E
10BL	Oxidized satin, bronze, clear coated	613L
14	Polished nickel, clear coated	618
15	Satin nickel, clear coated	619
20D	Statuary dark bronze, clear coated	624
26	Polished chrome	625
26D	Satin chrome	626
32D	Satin stainless steel (BHW only)	630
BSP	Black suede powder coat	BSP
WSP	White suede powder coat	WSP
SG- Option	MicroShield® antimicrobial clear powder coat (only available with 26D or 32D finishes)	

Zinc levers are plated to match ANSI/BHMA finish.
Custom colors available, consult factory.
Split finishes:
- Specify outside finish first i.e. 10XG05 x LL x 26D x 03 x RH
- Handing must be specified
- Strike and latch front will match the following:
  RH & LH = inside finish
  RHR & LHR = outside finish

Lock Finish	Cylinder/Core*
03, 04, 09, 10, 10B, 10BE, 10BL, 20D	04
14, 15, 26, 26D, 32D, WSP	15
BSP	BSP

*Finish when cylinder provided with lock. 15 finish provided for cylinders/cores where BSP not available, see cylinder pages 17-18 for finish availability.

Packaging

10XG05 x LL	10XG04 x BHW
4.8 lbs/box (2.2 kg/box)	14.6 lbs/box (6.6 kg/box)
8 boxes/case	1 boxes/case

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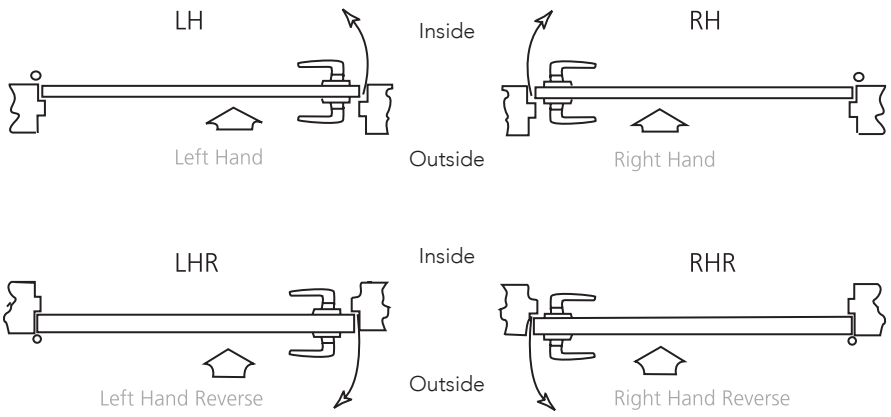
How to Order

HOW TO ORDER

5	DG1-	10XG05	G	MD	RH	15	AA1
2	RX-DG1-	10XG71	G	MD	RH	15	AA2
3	FW-	10XU65	—	BHW	RH	15	—
Quantity	**Options***	**Lock & Function**	**Rose**	**Lever**	**Hand**	**Finish**	**Additional Information**
	Available Options Pg 17-19	Available Functions Pg 8-11	Available Roses G & L	Available Levers Pg 6	RH, LH, RHR, LHR	Available Finishes Pg 20	Such as Item, Heading Number, Door Number, Cylinder Keying Details (i.e KD, Keyset)

* Multiple options may be selected
For Indicator Trim, see page 9

HOW TO SPECIFY HANDING



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Architectural Specifications

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SUGGESTED ARCHITECTURAL SPECIFICATIONS

A. Locks shall be 10X Line as manufactured by Sargent Manufacturing Company, New Haven, CT.

B. Locks shall be ANSI/BHMA Certified Products Directory (CPD) listed.
   1. A156.2, Series 4000, Grade 1
   2. A156.41

C. Locks shall exceed the requirements of ANSI/BHMA A156.2 Series 4000, Grade 1 with all standard trims, as follows:
   1. Cycle Test: Exceeds ANSI/BHMA A156.2 Grade 1 requirements with no lever sag. Verified by UL for Operational Cycling (V584148) at 20 Million Cycles.
   2. Abusive Locked Lever Torque: Exceeds 3,100 in-lb with no entry while maintaining egress (2.6 times ANSI/BHMA A156.2 requirements)
   3. Offset Lever Pull: Exceeds 1,600 lbs with no entry (8 times ANSI/BHMA A156.2 requirements)
   4. Latch Retraction with Preload: Exceeds 100lb preload while maintaining ANSI/BHMA requirements for operation in warped doors (2 times ANSI/BHMA A156.2 requirements)
   5. Vertical Impact: Exceeds 100 vertical impacts (20 times ANSI/BHMA A156.2 requirements)

D. Locks shall comply with UL 10C positive pressure requirements.

E. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of 3 hours (A label) and less, for doors up to 4'0" (1.2m) x 10'0" (3.0m) and pairs of doors 8'0" (2.4m) x 10'0" (3.0m)

F. Locks shall have a push/turn button adjustable for door thickness without disassembly.

G. Locks shall have a chassis design that supports all cylinder formats (except Keso) allowing flexibility for changing from fixed core to interchangeable core cylinders.

H. Locks shall be non-handed with bi-directional lever operation.

I. Lock levers shall be made of solid material.

J. Lock shall be available in a minimum of seven different lever designs.

K. Locks shall have a 2-3/4" (70mm) standard backset.

L. Strikes shall be non-handed with a curved lip. Provide wrought boxes with strikes.

M. Locks shall have brass 6-pin cylinder standard.
   1. Provide two nickel silver keys with each lock.

N. Locks shall have approximately 45 degrees of lever rotation in order to fully retract latch.

O. Locks shall have a ten-year limited warranty.

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Architectural Specifications

SARGENT
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SUGGESTED ARCHITECTURAL SPECIFICATIONS – 10X LINE CYLINDRICAL LEVER LOCKS WITH BHW TRIM

A. Locks shall be 10X Line as manufactured by Sargent Manufacturing Company, New Haven, CT.

B. Locks shall be listed for low, medium and high risk areas in the New York State Office of Mental Health (NYS-OMH) Patient Safety Standard.

C. Locks shall be ANSI/BHMA Certified Products Directory (CPD) listed.

   1. A156.2, Series 4000, Grade 1
   2. A156.41

D. Locks shall exceed the requirements of ANSI/BHMA A156.2 Series 4000, Grade 1 with all standard trims.

E. Locks shall comply with UL 10C positive pressure requirements.

F. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of 3 hours (A label) and less, for doors up to 4'0" (1.2m) x 10'0" (3.0m) and pairs of doors 8'0" (2.4m) x 10'0" (3.0m)

G. Locks shall have a chassis design that supports all cylinder formats (except Keso) allowing flexibility for changing from fixed core to interchangeable core cylinders.

H. Lock lever and escutcheon shall be made of solid stainless steel material.

I. Locks shall have a 2-3/4" (70mm) standard backset.

J. Strikes shall be non-handed with a curved lip. Provide wrought boxes with strikes.

K. Locks shall be available with lead-lining and antimicrobial coating.

L. Exposed fasteners shall be provided as Torx® security pin standard.

M. Locks shall have brass 6-pin cylinder standard.

   1. Provide two nickel silver keys with each lock.

N. Electrified functions shall be provided with EcoFlex® Technology.

O. Locks shall have a ten-year limited warranty on mechanical components and a two-year limited warranty on electric components.

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Architectural Specifications

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SUGGESTED ARCHITECTURAL SPECIFICATIONS – 10X LINE CYLINDRICAL LEVER LOCKS WITH VSL TRIM

A. Locks shall be 10X Line as manufactured by Sargent Manufacturing Company, New Haven, CT.

B. Locks shall be ANSI/BHMA Certified Products Directory (CPD) listed.

   1. A156.2, Series 4000, Grade 1

   2. A156.41

C. Locks shall exceed the requirements of ANSI/BHMA A156.2 Series 4000, Grade 1.

D. Locks shall comply with UL 10C positive pressure requirements.

E. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of 3 hours (A label) and less, for doors up to 4'0" (1.2m) x 10'0" (3.0m) and pairs of doors 8'0" (2.4m) x 10'0" (3.0m)

F. Locks shall have a chassis design that supports all cylinder formats (except Keso) allowing flexibility for changing from fixed core to interchangeable core cylinders.

G. Lock levers shall be made of solid material.

H. Locks shall have indicator trim which visually displays the lock status of the door.

I. Visual status indicators shall consist of six (6) individual windows for viewing at all angles.

J. Visual status trim shall be non-handed and able to install easily on doors with any handing.

K. Visual status indicators shall be available for the outside only, inside only or both sides of the door.

L. Visual status indicators shall be available with a variety of non-keyed and keyed functions.

M. Locks shall have a 2-3/4" (70mm) standard backset.

N. Strikes shall be non-handed with a curved lip. Provide wrought boxes with strikes.

O. Locks shall be available with lead-lining and antimicrobial coating.

P. Locks shall have brass 6-pin cylinder standard.

   1. Provide two nickel silver keys with each lock.

Q. Locks shall have a ten-year limited warranty on mechanical components.

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Architectural Specifications

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SUGGESTED ARCHITECTURAL SPECIFICATIONS – 10X LINE CYLINDRICAL LEVER LOCKS WITH ECOFLEX® TECHNOLOGY

A. Locks shall be 10X Line as manufactured by Sargent Manufacturing Company, New Haven, CT.

B. Locks shall be ANSI/BHMA Certified Products Directory (CPD) listed.

   1. A156.2, Series 4000, Grade 1

   2. A156.41

C. Locks shall exceed the requirements of ANSI/BHMA A156.2 Series 4000, Grade 1 with all standard trim.

D. Locks shall comply with UL 10C positive pressure requirements.

E. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of 3 hours (A label) and less, for doors up to 4'0" (1.2m) x 10'0" (3.0m) and pairs of doors 8'0" (2.4m) x 10'0" (3.0m)

F. Locks shall be field configurable Fail Safe / Fail Secure by means of a dip switch setting.

G. Locks shall have an operating voltage range from 10.2VDC to 26.4VDC.

H. Locks shall have a continuous current draw of 10mA at 12VDC or 24VDC

I. Locks shall have a chassis design that supports all cylinder formats allowing flexibility for changing from fixed core to interchangeable core cylinders.

J. Locks shall be non-handed with bi-directional lever operation.

K. Lock levers shall be made of solid material.

L. Lock shall be available in a minimum of seven different lever designs.

M. Locks shall have a 2-3/4" (70mm) standard backset.

N. Strikes shall be non-handed with a curved lip. Provide wrought boxes with strikes.

O. Locks shall have brass 6-pin cylinder standard.

   1. Provide two nickel silver keys with each lock.

P. Locks shall have approximately 45 degrees of lever rotation in order to fully retract latch.

Q. Locks shall have a two-year limited warranty on electric components.

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
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New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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SARGENT
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PRODUCT CATALOG

Auxiliary Locks

Experience a safer
and more open world

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SARGENT®
ASSA ABLOY

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Cylinder Options . . . 12-14

MICROSHIELD®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

MICROSHIELD® COATING

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

agion Nature's antimicrobial The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

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⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

SSL1 Spring Latch

SARGENT SSL1 AUXILIARY LATCH

- SARGENT SSL1 is a spring loaded latchbolt retracted by a thumb turn on one side with no operation on the other side.
- The SSL1 Auxiliary Latch is the perfect solution for applications such as the Security Panel on the Security SideLight from CECO DOOR and CURRIES. Other applications include the top portion of a dutch door, communicating doors and shallow closets.
- Only recommended for areas with alternate exits
- ADA compliant thumb turn
- UL-cUL 3-hour fire rating
- 11 hardware finishes available

SECURITY SIDELIGHT SOLUTION

- The SSL1 spring-loaded latch used in conjunction with CECO DOOR and CURRIES Security SideLight doors and frames provide a full solution
- The Security Panel allows a free flow of light and an attached door panel can cover the SideLight window pane to provide privacy and to offer protection in emergency situations

Specifications

For Doors & Backset	2-3/4" (70mm) backset
Strike	2-3/4" (70mm) ANSI curved lip strike # 800
Bolt	1/2" (13mm) throw
Hand	Non Handed
UL Listed	UL Listed for use on fire doors, See Underwriters Laboratories Building Materials List
Finishes	03, 04, 10, 10B, 10BE, 14, 15, 26, 26D, BSP, WSP
Door Prep	Single sided prep

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

Security SideLight offered through CECO DOOR and CURRIES

How To Order

SSL1	26D
Product	Finish

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8200 Series Deadbolts

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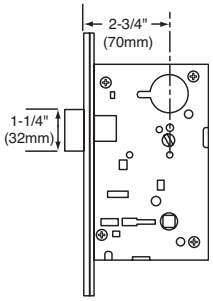
Specifications

For Doors	Door thickness 1-3/4" (44mm) standard (For thicker doors, consult factory)
Backset	2-3/4" only
Strike	4-7/8" (124mm), ANSI Standard Available finishes 03, 04, 09, 10, 10BE, 10BL, 15, 20D, 32, 32D, BSP, WSP
Deadbolt	One piece hardened stainless steel deadbolt with 1" (25mm) throw
Cylinder	Brass, 6 pin. 2 keys per lock. Also available with the SARGENT Signature and Keso and Keso F1 security systems **NOTE: See 8200 Mortise Lock catalog for details on cylinder requirements.**
Masterkeying	Can be masterkeyed. Construction key systems available
Case	12 gauge heavy duty wrought steel, zinc dichromate plated
Outside Front Plate	Brass, bronze and stainless steel. 8" (203mm) x 1-1/4" (32mm), ANSI Standard A156.115. Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)
Hand	Non-handed
Mechanical Options	Cylinder Options see page 12-13 1- For 1-3/8" thick doors; front 1-1/16" wide 23- 4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip 31- 2-1/4"- 2-1/2" thick doors, centered in door prep, no paneling. Consult factory for other door thicknesses available by special application. 36- 6 Lobe Torx® Security Screws 37- Spanner head security screws 74- Lock case wrapped in lead (specify hand) SG- MicroShield® antimicrobial clear powder coat (only available with 32D) WBS- Wrought Box Strike
Finishes	03, 04, 09, 10, 10B, 10BE, 10BL, 15, 20D, 26, 26D, 32, 32D, BSP, WSP

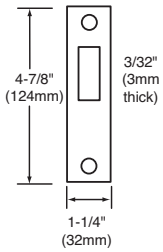
8200 Deadlock



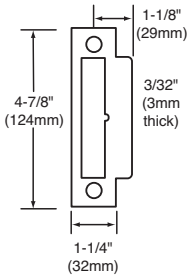
How To Order

10-28-	8230	26D
Options	Series x Function	Finish
Mechanical Options this page	8203	03, 04, 09, 10, 10B, 10BE, 10BL, 15, 20D, 26, 26D, 32, 32D, BSP, WSP
	8220	
Cylinder Options page 12-13	8221	
	8222	
	8223	

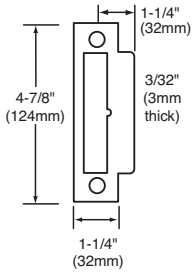
7730 Strike (Standard)



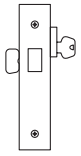
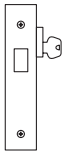
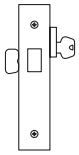
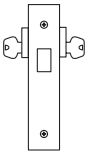
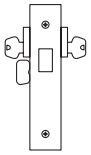
82-0229 Strike Flat Lip Alternative (23- Option)



82-0109 Strike Curved Lip Alternative (Specify as 82-0109)



Functions

03 Classroom	20 Deadlock	21 Deadlock	22 Deadlock	23 Classroom
	*** 		*** 	
• Key outside operates deadbolt • Thumb turn inside retracts deadbolt, but will not project it	• Key outside operates deadbolt • No inside operation • **ANSI F18**	• Key outside operates deadbolt • Thumb turn inside operates deadbolt • **ANSI F17**	• Key from either side operates deadbolt • **ANSI F16**	• Key from either side operates deadbolt • Thumb turn inside will retract deadbolt, but will not project it

***** For use only on rooms with more than one exit**

NOTE: For deadbolt function locks with levers see the 8200 Mortise Lock Catalog

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4870 Series Deadbolts

SARGENT
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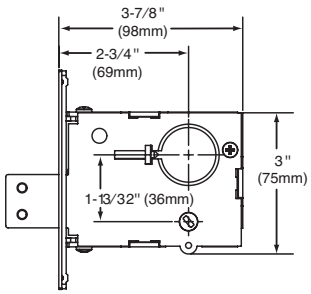
Specifications

For Doors	Door thickness 1-3/4" (44mm) standard (For thicker doors, consult factory)
Backset	2-3/4" (70mm) only
Strike	# 480 Strike Standard: 3-1/2" (89mm) x 1-1/8" (29mm); For Strike Box, specify WBS when ordering
Bolt	Laminated Stacked Steel Deadbolt with Hardened Pin and a 1" throw
Cylinder	Brass 6 pin. Two nickel silver keys per lock (Control key must be ordered separately, when required)
Cylinder Ring	97 Rosette (standard with #41 Cylinder), 1KB rosette optional (specify on order) **NOTE:** See 8200 Mortise Lock catalog for details on cylinder collar kit.
Case	Heavy wrought steel, .093 thick, protected with a zinc dichromate finish
Outside	Brass, bronze, stainless steel. 4-5/8" (117mm) x 1-1/8" (29mm) Front Plate Adjustable for flat or beveled doors (bevel adjustment 1/8" (3mm) in 2" (51mm)
Hand	Non handed, field reversible (except for 74-)
Thumb Turn	130W ADA Thumb turn (standard); optional larger thumb turn (specify LB-)
UL/cUL Listed	4870 series deadlocks, when used in conjunction with the primary latching device, are UL/cUL listed for use on fire doors having a rating up to and including 3 hours. In addition, the 4870 series are cUL listed for use on wood doors having a rating up to and including 90 minutes.
Mechanical Options	Cylinder Options see pages 12-13 28- 7710 Flat Lip ANSI Strike 4-7/8" (124mm) x 1-1/4" (32mm) 36- Torx® security screws 37- Spanner head security screws 74- Lock case wrapped in lead (specify hand) LB- Larger size ADA thumbturn SG- MicroShield® antimicrobial clear powder coat (only available with 32D) WBS- Wrought Box Strike
Finishes	03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, 32, 32D, BSP, WSP

4870 Series Deadlock

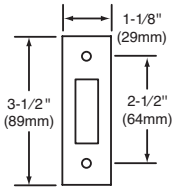


Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire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

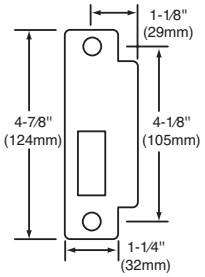
How To Order

10-28-	4874	26D
Options	Series x Function	Finish
Mechanical Options this page	4874	03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, 32, 32D, BSP, WSP
	4875	
Cylinder Options page 12-13	4876	
	4877	
	4878	
	4879	

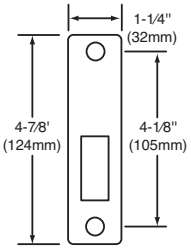
480 Strike (Standard)



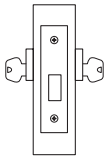
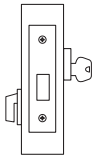
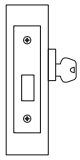
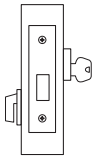
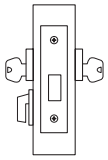
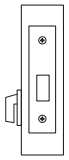
7710 Strike (28- Option)



7730 Strike (Ordered separately)



Functions

4874 Double Cylinder	4875 Single Cylinder x Thumb Turn	4876 Single Cylinder	4877 Classroom x Thumb Turn	4878 Public Toilet	4879 Exit Lock
*** 		*** 			
• Key from either side operates deadbolt • **ANSI E06061**	• Key outside operates deadbolt • Thumb turn inside operates deadbolt • **ANSI E06071**	• Key outside operates deadbolt • No inside operation • **ANSI E06081**	• Key outside operates deadbolt • Thumb turn inside retracts deadbolt, but will not project it • **ANSI E06091**	• Key from either side operates deadbolt • Thumb turn inside retracts deadbolt, but will not project it	• Thumb turn inside operates deadbolt • No outside operation

***** For use only on rooms with more than one exit**

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SARGENT
ASSA ABLOY

480 Series
Grade 1 Deadbolts

Specifications

For Doors	1-3/8" (35mm) to 1-3/4" (44mm) thick standard For doors over 1-3/4" (44mm) consult factory (2-1/4" Thick door max)
Door Prep	Fits 161 (standard) cut outs and Fits 160 with 2-3/8" (60mm) backset with 1" (25mm) front and for 1-3/8" (35mm) thick door
Backsets	2-3/4" (70mm) standard. 2-3/8" (60mm) optional (20- option)
Strike	Wrought brass, bronze or stainless steel
Bolt	Solid steel with hardened steel pin insert and nickel silver plating 7/8" (22mm) x 5/8" (16mm) x 1" (25mm) throw
Cylinder	Brass, 6 pin. 2 nickel silver keys
Masterkeying	Can be masterkeyed. Construction key system available
Front	Wrought brass, bronze or stainless steel 2-1/4" (57mm) x 1-1/8" (29mm) with fixed bevel 1/8" (3mm) in 2" (51mm) furnished standard
Hand	Non handed, field reversible
Thumb Turn	Non-ferrous
Housing	Non-ferrous, reinforced, one piece 2-1/2" (64mm) diameter LFIC options: housing brass & zinc, two piece Concealed screws on double cylinder function
ANSI/BHMA	A156.36 Certified Grade 1 BHMA CERTIFIED
UL/cUL Listed	480 series deadbolts, when used in conjunction with the primary latching device, are UL/cUL listed for use with Classified steel covered composite or hollow metal doors rated up to and including 3 hours; wood and plastic covered composite doors rated up to and including 1-1/2 hours; and wood core doors rated for 20 minutes.
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
Mechanical Options	Cylinder Options see page 12-13 16- 400 "T" shaped strike with strike box 20- 2-3/8" (60mm) backset. 2-3/4" (70mm) x 1" (25mm) wide front 28- 408 Flat lip strike ANSI A115.2 31- For 2-1/4" to 2-1/2" thick doors, centered in door prep, no paneling. 37- Spanner Head Screw 48- 488 Reinforced strike with 4 mounting screws and strike box
Finishes	03, 04, 09, 10, 10B, 10BE, 14, 15, 26, 26D, BSP, WSP

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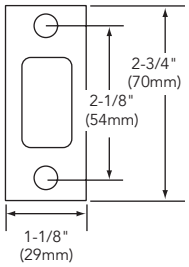
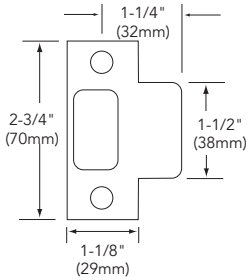
480 Series Deadbolt

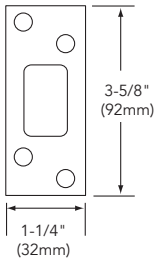
404 Strike
(Standard)



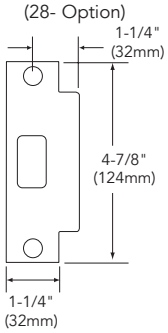
400 T-Shaped Strike
(16- Option)



488 Reinforced Strike
(48- Option)



408 Flat Lip Strike
(28- Option)



How To Order

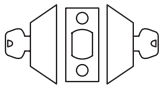
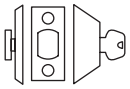
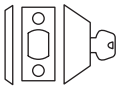
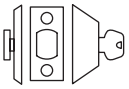
10-28-	487	26D
Options	Series x Function	Finish
Mechanical Options this page	484	03, 04, 09, 10, 10B, 10BE, 14, 15, 26, 26D, BSP, WSP
	485	
Cylinder Options Page 12-13	486	
	487	
	489	

Packaging — 480 Series

Approximate Shipping Weights	
2 lbs. (.9 kg)/Box	12 Boxes/Case

Functions

* **Note** - Use only on rooms with more than one exit

*484 Double Cylinder	485 Single Cylinder	*486 Single Cylinder	487 Classroom	489 Exit
				
• Key from either side operates deadbolt • **ANSI E0141**	• Key outside operates deadbolt • Thumb turn inside operates deadbolt • **ANSI E0151**	• Key outside operates deadbolt • Blank plate by exposed screws inside. Minimum 1" (25mm) required between doors • **ANSI E0161**	• Key outside operates deadbolt • Thumb turn inside retracts deadbolt, but will not project the deadbolt • **ANSI E0171**	• Thumb turn inside operates deadbolt • Blank outside plate • **ANSI E01111**

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SARGENT
ASSA ABLOY

460 Series
Grade 2 Deadbolts

Specifications

For Doors	1-3/8" (35mm) to 1-3/4" (44mm) thick standard For doors over 1-3/4" (44mm) consult factory (2-1/4" Thick door max)
Door Prep	Fits 161 (standard) cut outs and Fits 160 with 2-3/8" (60mm) backset with 1" (25mm) front and for 1-3/8" (35mm) thick door
Backsets	2-3/4" (70mm) standard. 2-3/8" (60mm) optional (20- option)
Strike	Wrought brass, bronze or stainless steel. Each unit includes a metal and wood frame strike with dust box
Bolt	Solid steel with hardened steel pin insert and nickel silver plating 7/8" (22mm) x 5/8" (16mm) x 1" (25mm) throw
Cylinder	Brass, 6 pin. 2 nickel silver keys
Masterkeying	Can be masterkeyed. Construction key system available
Front	Wrought brass, bronze or stainless steel 2-1/4" (57mm) x 1-1/8" (29mm) with fixed bevel 1/8" (3mm) in 2" (51mm) furnished standard
Hand	Non handed, field reversible
Thumb Turn	Non-ferrous
Housing	Non-ferrous, reinforced, one piece 2-1/2" (64mm) diameter Concealed screws on double cylinder function
ANSI/BHMA	A156.36 Certified Grade 2 BHMA CERTIFIED
UL/cUL Listed	460 series deadbolts, when used in conjunction with the primary latching device, are UL/cUL listed for use with Classified steel covered composite or hollow metal doors rated up to and including 3 hours; wood and plastic covered composite doors rated up to and including 1-1/2 hours; and wood core doors rated for 20 minutes.
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
Mechanical Options	Cylinder Options see page 12-13 20- 2-3/8" (60mm) backset. 2-3/4" (70mm) x 1" (25mm) wide front
Finishes	03, 04, 10B, 10BE, 26, 26D, BSP

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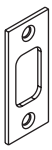
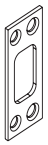
460 Series Deadbolt

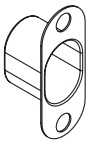
Inside Thumb Turn



Metal Frame Strike
Standard
2-3/4" (70mm) x 1-1/8" (29mm). To order separately, specify 404 x Finish



Wood Frame Strike
Standard
2-3/4" (70mm) x 1-1/8" (29mm). To order separately, specify 410 x Finish.



Dust Box
Standard. To order separately, specify part number 16-0277.

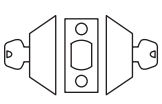
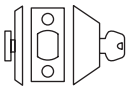
How To Order

10-V01	465	26D
Options	Series x Function	Finish
Cylinder Options Pages 12-13	464	03, 04, 10B, 10BE, 26, 26D, BSP
	465	
Indicator Options Page 8	468	

Packaging — 460 Series

Approximate Shipping Weights	
2 lbs. (.9 kg)/Box	12 Boxes/Case

Functions

*464 Double Cylinder	465 Single Cylinder	468 Thumb Turn x Indicator
		
• Key from either side operates deadbolt • **ANSI E0142**	• Key outside operates deadbolt • Thumb turn inside operates deadbolt • **ANSI E0152**	• Thumb turn inside operates deadbolt • Emergency override key outside • Indicator standard both sides, specify indicator option code (V21 standard) • **ANSI E01112**

*Use only on rooms with more than one exit

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Indicators

Available on the 460 Series, ANSI/BHMA Grade 2, deadbolts, status indicators can be used in a variety of applications and are most commonly used to identify occupancy status of a room.

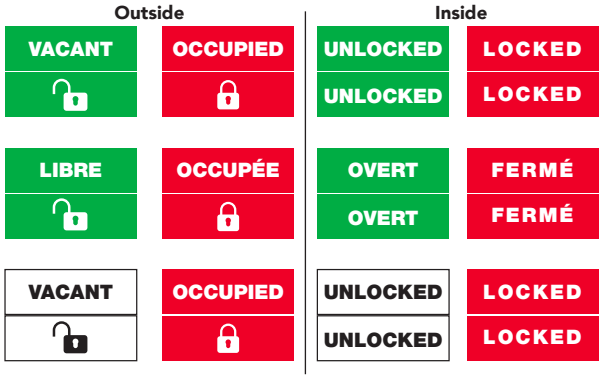
With indicator option codes that are designed to convey wording and color in one simple code, indicators are provided on the 465 function as an option, and standard on both sides for the 468 function. Indicator option codes must be specified when ordering.

Features:
- Multiple indicator windows
- Large indicator windows
- Color, wording and symbols
- Options for wording/color
- Oversized thumbturn
- Patent pending thumbturn indicator
- Handed and field reversible

Applications:
- Restrooms
- Quiet rooms
- Nursing mother's rooms

Indicator Option Codes

Single Indicator (Available for 465 function)			
Option Code	**Outside Wording**	**Inside Wording**	**Color**
V01	No Indicator	Unlocked/Locked	Green/Red
V01F	No Indicator	Ouvert/Fermé	Green/Red
V04	No Indicator	Unlocked/Locked	White/Red
Double Indicator (Available for 468 function)			
Option Code	**Outside Wording**	**Inside Wording**	**Color**
V21*	Vacant/Occupied	Unlocked/Locked	Green/Red
V21F	Libre/Occupée	Ouvert/Fermé	Green/Red
V54	Vacant/Occupied	Unlocked/Locked	White/Red



* V21 provided standard for 468 function unless otherwise specified

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Padlocks

SARGENT
ASSA ABLOY

758 & 858 Padlock Features

- Cylinder easily removed while in the unlocked position for rekeying
- Available in the following single key sections S, R, U, CR and the following keyway families L, R, H, C, A, B, K, N, V
- Easily keyed into SARGENT master keyed systems
- 6 pin cylinder standard
- Shackle locked by dual ball bearings for extra security

Specifications: 758 & 858 Padlocks
Body-Solid Brass for exterior applications

Cylinder	Utilizes standard 10 Line cylinder with shorter padlock tail piece, keyed different as standard (cylinder catalog part no. C750-1)
758	Key retaining. Key removable in locked position only
858	Non key retaining. Key can be removed while unlocked and relocked without key
Case	Satin brass. Solid one piece construction 2" x 2-1/4"
Keys	Two keys provided as standard
Shackle Heights	1" Standard, for 2" (specify 758-2 & 858-2), and 4" (specify 758-4 & 858-4) all 11/32" diameter
Shackle Material	Stainless steel shackle standard for 758 and 858 Hardened steel - optional (specify 758HS or 858HS)
Weather Protection Standard	Shackle protected with rubber shields to prevent freezing in the winter
Chain (optional)	Chain 9" long (specify 758C or 858C)

758 & 858 Padlocks options see page 13

How To Order

SC-	758	2	HS	C
Options	**Padlocks**	**Shackle Height**	**Shackle Material**	**Chain**
Cylinder options see page 12-13	758	1" - Std	Hardened Steel - HS	C
	858	2" - 2		
		4" - 4		

Keso F1 & Keso 856 & 857 Padlocks

- Available with Keso F1- and Keso; specify F1-82- for Keso F1- specify 82 for std Keso
- Same cylinder security as offered in other Keso Security System locks. Can be masterkeyed with all locks in the system
- Positive deadlocking construction — no springs which can be forced
- Two stainless steel balls lock shackle. Forcing of shackle increases locking action

82-856 Shown

Specifications: F1-82-856 and F1-82-857

856	Non key retaining. Key can be removed while unlocked and relocked without key
857	Key Retaining. Key removable in locked position only
Case	Brass
Case Finishes	Satin brass standard
Case Dimensions	2" x 2" x 1-1/8"
Shackle	Stainless Steel standard Hardened steel, Nickel Plated - optional (specify 856HS or 857HS)
Shackle Diameter	11/32"
Shackle Clearance	1" Standard, for 2-1/2" (specify 856-2 & 857-2), and 4" (specify 856-4 & 857-4)
Weather Protection Standard	Shackle protected with rubber shields to prevent freezing
Chain (optional)	Chain 9" long (specify 856C or 857C)

How To Order

F1-82-	856	-2	HS	C
Options	**Padlocks**	**Shackle Height**	**Shackle Material**	**Chain**
F1-82-	856	1" - Std	Hardened Steel - HS	C
82-	857	2-1/2" - 2		
		4" - 4		

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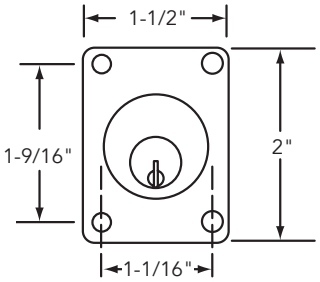
Cabinet Locks

Specifications: 1655 Series

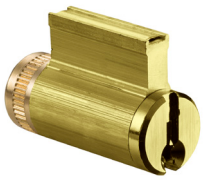
For Doors	One size for doors 1-1/2" thick and when used with 4 supplied 1/8" spacers can be used on thinner doors down to 1 inch thick
For Stiles	1-1/2" wide minimum
Strike	Universal
Bolt	Steel, 15/16" projection
Cylinder	Brass, 6 pin standard, (cylinder catalog part no. C 1655-1) with different tail piece (part no. 13-1813)
Keying options	2 change keys per lock provided, 5 pin available 10- SARGENT Signature Key System 11- SARGENT XC Key System 21- SARGENT Construction key system (Lost Key)
Case	Non ferrous alloy
Hand	Easily field reversible
Finishes	04, 26D
Applications	Lockers or mailboxes



1655MKD - Can be masterkeyed (MKD) and grand masterkeyed in most SARGENT 6 pin systems. Consult factory for details. Cylinder easily removed for rekeying.

Shown with spacers for use on thinner doors

Shown without spacers



C1655-1 cylinder

Please note: Not offered with small or large interchangeable cores

How To Order

Specify	Note	Example
Option	21-	21-
Product	1655	21-1655
Finish	26D	21-1655 x 26D
Keying	AA45	21-1655 x 26D AA45

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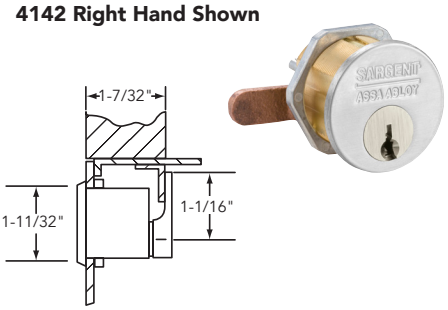
Cabinet Locks

SARGENT
ASSA ABLOY

Specifications: 4142-4143 Cabinet Lock

For Metal Doors	Up to 7/8" thick. Strike by others.
Cylinder	Brass, 6 pin, can be master keyed with most other SARGENT locks
Cam	Bronze, 4142 horizontal in locked position (attached with 2 screws)
Keys	Two 6 pin provided
Cylinder Options	21- SARGENT Construction key system (Lost Key)
Hand	4142 supplied right hand as standard, easily field reversible
Easily field	4142 Horizontal in Locked Position (Cam Rotated) reversible 4143 Vertical in locked position
Finishes	03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP, WSP

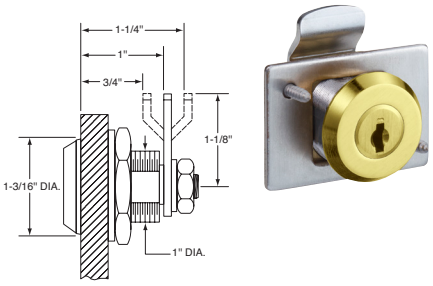
4142 Right Hand Shown



Specifications: KESO 4152 Cabinet Lock for Drawers

For Drawers	Up to 3/4" thick
Cam	Flat Steel Cam (order as 4152) 1/4" Offset Steel Cam (order as 4152-2)
Cylinder	Keso security system only. Can be masterkeyed with all other Keso locks in the system
Mounting Plate	Furnished with screws for mounting to wood or metal drawers. Can be brazed to metal doors.
Field Reversible	Right or left hand
Finishes	03, 04, 09, 10, 10B, 10BL, 20D, 26, 26D, BSP

4152-2 Shown



Specifications: KESO F1 4252 Cabinet Lock for Drawers

For Drawers	Up to 3/4" thick
Cam	Flat Steel Cam (order as F1-4252) 1/4" Offset Steel Cam (order as F1-4252-2)
Cylinder	Keso F1 security system only. Can be masterkeyed with all other Keso locks in the system
Mounting Plate	Furnished with screws for mounting to wood or metal drawers Can be brazed to metal doors
Field Reversible	Right or left hand
Finishes	03, 04, 09, 10, 10B, 10BL, 20D, 26, 26D, BSP

How To Order

- Example: 4142 x 32D

How To Order

- Example: 4152 x 26D

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Cylinder Options by Product Line

SARGENT
ASSA ABLOY

Cylinder Type	Option	Description	8200 & 4870 Dead Bolt	480 Dead Bolt	460 Deadbolt	758 & 858 Padlocks	856 & 857 Padlocks	1655 Locker Lock	4142-4143 Cabinet Locks	4152 & 4252 Cabinet Locks
Conventional Cylinder	Std	SARGENT Conventional Cylinders	Yes	Yes	Yes	Yes	N/A	Yes	Yes	N/A
Degree Key System	DG1-	SARGENT Degree Key System Level 1	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A
	DG1-21-	Degree Level 1 Construction Master Keying	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A
	DG1-60-	Degree Level 1 Removable Disposable Construction Core	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	DG1-63-	Degree Level 1 Removable Core	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	DG2-	SARGENT Degree Key System Level 2	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A
	DG2-21-	Degree Level 2 Construction Master Keying	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A
	DG2-60-	Degree Level 2 Removable Disposable Construction Core	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	DG2-63-	Degree Level 2 Removable Core	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	DG3-	SARGENT Degree Key System Level 3	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A
	DG3-21-	Degree Level 3 Construction Master Keying	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A
	DG3-60-	Degree Level 3 Removable Disposable Construction Core	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	DG3-63-	Degree Level 3 Removable Core	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
Signature Key System	10-	SARGENT Signature Key System (Not Available with other Key Systems)	Yes	Yes	Yes	Yes	N/A	Yes	N/A	N/A
	10-21-	SARGENT Signature Construction Key System (Lost Ball)	Yes	Yes	Yes	Yes	N/A	Yes	N/A	N/A
Signature: Large Format Interchangeable Core (Removable Core)	10-63-	SARGENT Signature LFIC (Removable Core) Cylinder	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
XC- Key System	11-	XC Key System (Not Available with other Key Systems, Unless specified)	Yes	Yes	Yes	Yes	N/A	Yes	N/A	N/A
	11-21-	XC- Construction Key System (Lost Ball)	Yes	Yes	Yes	Yes	N/A	Yes	Yes	N/A
XC- Large Format Interchangeable Core + (Removable Core)	11-60-	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core- provided	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered Separately)	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
XC- Small Format Interchangeable Cores+	11-70-7P-	Hardware to accept XC- SFIC (7 pin) XC- Permanent Cores, plastic disposable core provided	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
	11-72-7P-	Hardware to accept XC- SFIC (7 pin Keyed Construction Core provided) cylinder, Permanent core ordered separately	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
	11-73-7P-	Hardware supplied with XC- Small Format 7 pin interchangeable core (Includes masterkeying, grand masterkeying)	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
	11-65-73-7P-	Hardware to accept XC- Uncombinated 7 pin SFIC (Permanent) Core - (Packed Loose)	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
Construction Key Systems	21-	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63-, 73-, 82-, SC- & SE-)	Yes	Yes	Yes	Yes	N/A	Yes	Yes	N/A
Old Style Removable Core	51-	Removable Core Cylinder (Old Style) provided (Existing systems only)	Yes	N/A	N/A	Yes	N/A	N/A	N/A	N/A
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (existing systems only)	Yes	N/A	N/A	Yes	N/A	N/A	N/A	N/A

NOTE: For V-10 Cylinder and information, contact ASSA
NOTE: When tying into existing key systems contact Key Records for compatibility
+ For use in SARGENT hardware ordered to accept XC- option

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Cylinder Options by Product Line

SARGENT
ASSA ABLOY

Cylinder Type	Option	Description	8200 & 4870 Deadbolt	480 Dead Bolt	460 Deadbolt	758 & 858 Padlocks	856 & 857 Padlocks	1655 Cabinet Lock	4142-4143 Cabinet Locks	4152 Cabinet Lock	4252 Cabinet Lock
Large Format Interchangeable Core (Removable Core)	60-	Hardware to accept Permanent LFIC (Removable Core), Disposable plastic Core provided (Permanent Cores Ordered Separately)	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A	N/A
	63-	6 pin LFIC permanent core provided	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A	N/A
	64-	Hardware supplied with Keyed LFIC construction core to accept Permanent LFIC Core (ordered Separately)	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A	N/A
Small Format Interchangeable Cores	70-	Hardware to accept 6 or 7 Pin SFIC Permanent Cores (ordered separately), plastic disposable core provided	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	72-	Hardware to accept 6 or 7 Pin SFIC supplied with Keyed Construction Core. (Permanent Core Ordered separately)	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	73-	Hardware supplied with 6 pin SFIC (Includes masterkeying, grand masterkeying)	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	65-73-	Hardware provided to accept Uncombinated 6 pin SFIC (Permanent) Core - (Packed Loose for field keying)	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	65-73-7P-	Hardware provided to accept Uncombinated 7 pin SFIC (Permanent) Core - (Packed Loose for field keying)	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	73-7P-	Hardware supplied with Small Format 7 Pin Interchangeable Core (Includes masterkeying, grand masterkeying)	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Keso F1 & Keso	81-	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores Ordered Separately)	Yes	N/A	N/A	N/A	N/A	N/A	N/A	Std.	N/A
	82-	Hardware provided with standard Keso Security Cylinder	Yes	N/A	N/A	N/A	Std	N/A	N/A	N/A	N/A
	F1-82-	Hardware provided with standard Keso F1 Security Cylinder (Patented)	Yes	N/A	N/A	N/A	Specify F1-	N/A	N/A	Specify F1-	Std.
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Patented)	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	84-	Hardware provided with SARGENT Keso Construction Cores (Permanent Removable Cores ordered separately)	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bump Resistant	BR-	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A
Less Cylinder	LC-	Less Cylinder	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
Schlage Keyways	SC-	Schlage C keyway cylinder, 0 bitted	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A
	SE-	Schlage E keyway cylinder, 0 bitted	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A

NOTE: For V-10 Cylinder and information, contact ASSA
NOTE: When tying into existing key systems contact Key Records for compatibility
+ For use in SARGENT hardware ordered to accept XC- option

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Finishes

SARGENT #	Description	ANSI/BHMA
03	Polished brass, clear coated	605
04	Satin brass, clear coated	606
09	Polished bronze, clear coated	611
10	Satin bronze, clear coated	612
10B	Oxidized bronze, oil rubbed	613
10BE	oxidized satin bronze, equivalent	613E
10BL	Oxidized satin, bronze, clear coated	613L
14	Polished nickel, clear coated	618
15	Satin nickel, clear coated	619
20D	Statuary dark bronze, clear coated	624
26	Polished chrome	625
26D	Satin chrome	626
32	Polished stainless steel	629
32D	Satin stainless steel	630
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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SARGENT®
ASSA ABLOY

PRODUCT CATALOG

11 Line Bored Lock

Experience a safer
and more open world

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ASSA ABLOY

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MICROSHIELD®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

MICROSHIELD® COATING

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

agion Nature's antimicrobial

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

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On The Cover

11G05 x OL x 26D Entrance Lock

⚠ WARNING

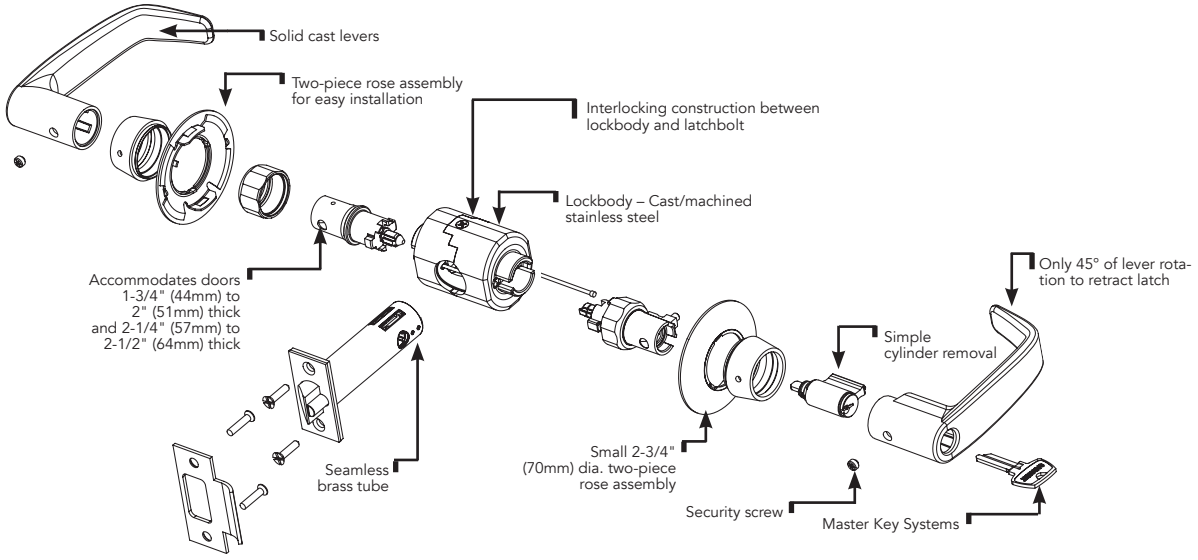
This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

Overview

The SARGENT 11 Line has a unique construction providing strength and durability for the most demanding applications such as schools and hospitals. This is accomplished by true interlocking between the lockbody and the latchbolt.

CONSTRUCTION

Direct linkage with fixed alignment between the hub and the latchbolt is the best construction for quietly and effectively operating the latchbolt. For this reason, SARGENT developed the interlocking aligning and latch tubes, which form a rugged torque resistant "T" in the critical twist area. This construction, combined with long lasting components, makes 11 Line bored lock outstanding!



Applications
- High traffic areas – offices, public buildings, hospitals
- High abuse areas – institutions, schools, retail
- Anywhere that requires the contemporary look of a small rose and durability that exceeds Grade 1 standards

Innovation
- True interlocking between the lockbody and the latchbolt provides strength and durability for the most demanding applications

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Certifications

CERTIFICATION/COMPLIANCE

ANSI/BHMA	Certified ANSI/BHMA A156.2 (2022) Series 4000 — Grade 1
UL/cUL	UL/cUL listed (GYJT.R3402) to US and Canadian safety standards for 3 hour doors up to 4' x 10' (double doors require 41-option)
NFPA 80	Conforms for life safety and property protection, Standard for Fire Doors and Other Opening Protectives
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
ADA	All levers conform to ADA clear opening width requirements of ANSI A117.1
California State Reference Code (Formerly Title 19, California State Fire Marshal Standard)	All levers with returns comply; levers return to within 1/2" (13mm) of door face
Windstorm/Hurricane	All individual components of a total door opening are required to comply with each code.

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

WINDSTORM CERTIFICATIONS: FLORIDA BUILDING CODES & UL LISTINGS

SARGENT Manufacturing's products meet building codes that require hurricane and windstorm certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 11 Line lock.

Florida Building Code: FL2998
UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI A250.13 (2014)	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ASTM E330 (2002)	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"*
ASTM E1886 (2005)	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"*
ASTM E1996 (2009)	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"*
(TAS) 201 (1994)	"Impact Test Procedures"*
(TAS) 202 (1994)	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"*
(TAS) 203 (1994)	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the 7th Edition (2020), "Florida Building Code" (FBC), State Product Approval Number FL2998

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330 (2002)	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ASTM E1886 (2005)	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996 (2009)	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"

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Technical Details

Door Prep	ANSI/SDI A250.14 (161)
Door Thickness	1-3/4" to 2" (44mm to 51mm) thick doors standard Specify 31- option for doors 2-1/4" to 2-1/2" (57mm x 64mm) centered in door prep, no paneling. Not available for 1-3/8" (35mm) thick doors
Backsets	2-3/4" (70mm) standard 3-3/4" (95mm) backset (specify 23- Option)
Bearing Assembly	Cast and machined stainless steel
Front	Wrought brass, bronze or stainless steel 2-1/4" x 1-1/8" (57mm x 29mm) Self-adjusting for flat to 1/8" (3mm) in 2" (51mm) bevel
Strike	Wrought brass, bronze or stainless steel 800 curved lip strike (specify 29- Option) 808 ANSI curved lip strike (standard) Wrought box strike (specify WBS- Option)
Hand	Non-handed
Levers	Secured with 6 lobe security set screw standard 6 Lobe tool packed with each lock
Roses	Heavy wrought brass, bronze or stainless steel
Latchbolt	Stainless steel bolt 7/8" (22mm) dia. x 1/2" (13mm) throw Optional: Brass 3/4" (19mm) throw deadlocking fire latch for pair of doors (specify 41- Option)
Cylinder	Brass, 6-pin LA keyway, 1-bitted standard, specify KD for keyed different/random
Keys	Two nickel silver change keys per lock standard
Masterkeying	Can be masterkeyed or grand masterkeyed Construction key systems available
Finishes	03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, BSP, WSP
Minimum Stile	4-1/4" (108mm) with O rose 4-1/2" (114mm) with L rose
Warranty	Ten-year limited

Strength & Durability
- True interlocking between the cast/ machined stainless steel lockbody and latchbolt provides strength and durability
- Independent Testing proves:
  - Exceeds ANSI/ BHMA A156.2 Grade 1 standard for cycle testing. Verified by UL for Operational Cycling (V584148) at over 7 Million Cycles.
  - Exceeds ANSI/ BHMA A156.2 Grade 1 torque force on a locked lever. Over 3000 in/lbs!
  - Virtually no lever sag ever

Convenience
- Two-piece rose assembly goes quickly into place
- "Out of the box and onto the door" packaging organizes the parts, has simple instructions and even a small tool kit
- Fits any 161 prep; Does not fit 160 door prep
- Two piece rose & collar for easier installation
- Only 45° of lever rotation required to retract latchbolt
- 7 functions. Many functions are easily field changeable
- 4 ADA lever designs and 2 roses
- Simple cylinder removal. Easy change outs
- 14 Architectural grade finishes
- SARGENT uses engineered solutions and flexible manufacturing processes to accommodate special applications

Security
- The only bored lock on the market available with security lever catch feature for high vandalism application
- Resists vandalism
- Torx® and spanner screws
- Classroom security function available
- Security key systems available (Degree®, Signature, Keso F1, XC)

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STC55 Acoustic Door System

STC55 ACOUSTICAL DOOR SYSTEMS

SARGENT 11 Line bored locks are part of the STC Acoustical Door Systems from ASSA ABLOY Group brand Ceco Door. The STC55 Acoustical Door Systems are the perfect choice for any room where sound transmission needs to be kept to a minimum. This solution encompasses door, frame, sound seals and threshold and lock. All door systems use standard locks. The STC55 requires a special version of the 11 Line lock.

To order the 11 Line bored lock for use with the STC55 door system, include the STC55 option in the 11 Line order string and specify the O rose. With this option, the 11 Line will be provided with a 3/4" throw latch and it will be configured for a 1-3/4" door with a 3/4" panel for 2-1/2" total thickness. Door handing is required to dictate panel location.

Functions are limited to the following: 11G04, 11G05, 11U15, 11G16, 11G37, 11G38

To learn more about SMP and the STC Acoustical Door Systems, please visit www.cecodoor.com.

Applications

- Theatres and auditoriums
- Sound stages and production areas
- Recording studios
- Music classrooms
- Conference rooms
- Convention halls
- Offices and more

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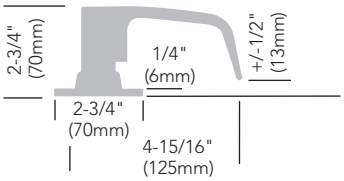
Lever & Rose Designs

LEVER DESIGNS

Any rose and lever on this page can be combined to suit individual taste

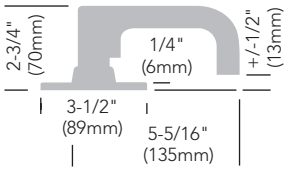
OL Design

- Rose: O - Wrought
- Lever: L - Cast



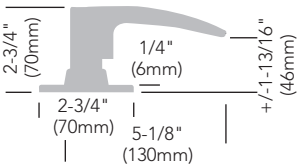
LJ Design

- Rose: L - Wrought=
- Lever: J - Cast



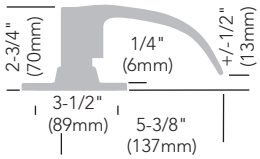
OB Design

- Rose: O - Wrought
- Lever: B - Cast



LP Design

- Rose: L - Wrought
- Lever: P - Cast



Note: Lever projections shown are for 1-3/4" (44mm) doors and will vary by door thickness

ROSE DESIGNS

L Rose

- Rose: Wrought
- 3-1/2" Dia.

O Rose

- Rose: Wrought
- 2-/4" Dia.

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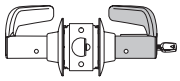
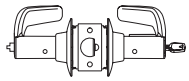
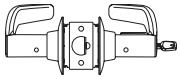
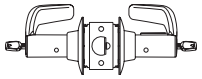
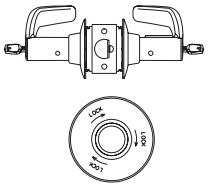
Functions

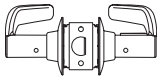
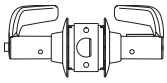
SINGLE CYLINDER FUNCTIONS

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	11G04	Storeroom or Closet	F86	• Deadlocking latch • Latchbolt by lever inside or key outside • Outside lever rigid at all times
	11G05	Entrance or Office	F81	• Deadlocking latch • Latchbolt by either lever unless outside lever is locked by turn button in inside lever • Turn button must be released manually • Key only retracts latchbolt when outside lever is locked
	11G37	Classroom	F84	• Deadlocking latch • Latchbolt by either lever unless outside lever is locked by key • Key in outside lever locks or unlocks outside lever • Inside lever always operative

DOUBLE CYLINDER FUNCTIONS

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	11G16	Classroom, Security, Apartment, Exit, Privacy	F88	• Deadlocking latch • Latchbolt by either lever unless outside lever is locked by key in inside lever • Key in outside lever only retracts latchbolt when outside lever is locked
	11G38	Classroom Security Intruder	—	• Deadlocking latch • Latchbolt by either lever unless outside lever is locked by key • Key in either lever locks or unlocks outside lever • When inside key locks the outside lever only the inside key can unlock the outside lever. The outside key only retracts the latchbolt until outside lever is unlocked by inside key • Inside lever always operable • Locking direction indicated on inside rose standard with this function.

NON-CYLINDER FUNCTIONS

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	11U15	Passage	F75	• Latchbolt by either lever
	11U65	Privacy/Bathroom	F76A	• Latchbolt by either lever unless outside lever is locked by push button in inside lever • Turning inside lever or closing door releases button • Emergency button in outside lever unlocks, with use of a blade screw driver in outside lever and releases inside button

Shaded lever indicates it is rigid at all times.

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Function Conversion Chart

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11 LINE FUNCTION CONVERSION CHART

Function	Inside Lever	Inside Collar	Inside Sleeve	Latch	Bearing	Outside Sleeve	Outside Collar	Outside Lever
04: Storeroom/Closet	Passage lever	11-0031	11-2151	11-2106(B)	11-2899	11-2009	(On sleeve)	Cylinder lever
05: Entrance/Office	Pushbutton lever	11-0031	11-2152	11-2106(B)	11-2899	11-2009	(On sleeve)	Cylinder lever
15: Passage	Passage lever	11-0031	11-2153	11-2107(A)	11-2899	11-2153	11-0031	Passage lever
16: Classroom Security/ Apartment	Cylinder lever	(On sleeve)	11-2011	11-2106(B)	11-2899	11-2009	(On sleeve)	Cylinder lever
37: Classroom	Passage lever	11-0031	11-2153	11-2106(B)	11-2899	11-2014	(On sleeve)	Cylinder lever
38: Classroom Security	Cylinder lever	(On sleeve)	11-2011	11-2106(B)	11-2899	11-2017	(On sleeve)	Cylinder lever
65: Privacy/Bathroom	Pushbutton lever	11-0031	11-2156	11-2111(C)	11-2899	11-2055	(On sleeve)	Cylinder lever

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Cylinders

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- Finishes: 04, 15, BSP

Type	Pins	Standard Cylinder	Interchangeable Core^	
			Large Format	Small Format
Conventional	6	C11-1	6300	7300B
	7	N/A	N/A	7P-7300B
Signature	6	10-C11-1	10-6300	N/A
XC	6	11-C11-1	11-6300	N/A
	7	N/A	N/A	11-7P-7300B
Degree® DG1	6	DG1-C11-1	DG1-6300	N/A
Degree® DG2	6	DG2-C11-1	DG2-6300	N/A
Degree® DG3	6	DG3-C11-1	DG3-6300	N/A

C11-1

6300

7P-7300B

All cylinders are supplied with 2 nickel silver change keys.
When cylinders are ordered keyed to 5 pin systems, the (6th) last chamber will be empty.

Cylinders are supplied 1 bitted unless specified keyed random or master keyed. For master keyed orders provide keying details as requested on SARGENT Keyed Order Lead Sheets, located in the price book or contact customer service.

To order cylinders separately, specify part number x keyway x finish (i.e. C11-1 x LA x 15)

^ Locks will be provided with the applicable tailpiece per the type interchangeable and/or removable core being used.

Standard cores and Degree® cores require different tailpieces. When ordering complete locks, the appropriate option code must be specified in accordance to the permanent core being used. See pages 15-16 for cylinder options.

Cylinders with Competitive Keyways

Competitive Keyway	Part Number
Schlage® C	SC-C11-1
Schlage® E	SE-C11-1

All cylinders are 6-pin, 0-bitted and supplied with two brass key blanks. Cylinders include tail piece.

Finishes: 04 or 15

Refer to Cylinders and Components catalog for more information.

Interchangeable Core Tailpieces (replacement parts)

Used with:	Type	P/N
6300 10-6300	LFIC Conventional LFIC Signature	11-0172
11-6300 DGX-6300	LFIC XC LFIC Degree®	11-5003
7300B	SFIC	11-0171
7P-7300B	SFIC 7 Pin	11-0172
11-7P-7300B	SFIC XC	11-0276

Note: Tailpieces included with lock.

Levers That Accept Cylinders/Cores from Other Manufacturers*

Cylinder Type	Option Code Ordered with Lock	Available Levers	Tailpiece P/N (provided with lock)	Competitor Cylinder Compatibility
Fixed Core				
Schlage® 6-pin	30-	All	11-2578	Schlage® Conventional or Primus®
ASSA ABLOY ACCENTRA™ 6-pin	YC-	L, P	11-5004 (spacer)	ASSA ABLOY ACCENTRA™ 1803-54L, 5803-54L and K403-54L cylinders only
ASSA ABLOY ACCENTRA™ 7-pin	YC-7P-	L, P		ASSA ABLOY ACCENTRA™ 1803A-54L, 5803A-54L and K403A-54L cylinders only
Interchangeable Core				
SFIC 6- or 7-pin	70-, 72-, 73-	All	11-0171 (6-pin) 11-0172 (7-pin)	All 6- or 7-pin small format interchangeable cores
Schlage® LFIC 6-pin	SF-	L	11-0403	All Schlage® 6-pin large format interchangeable cores
ASSA ABLOY ACCENTRA® LFIC 6-pin	YRC-	L, P	11-5005 (tailpieces for both 6- and 7-pin included when ordered separately)	All ASSA ABLOY ACCENTRA® 6-pin large format interchangeable cores
ASSA ABLOY ACCENTRA® LFIC 7-pin	YRC-7P-	L, P		All ASSA ABLOY ACCENTRA® 7-pin large format interchangeable cores

*Cylinder/core not included.

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Latches

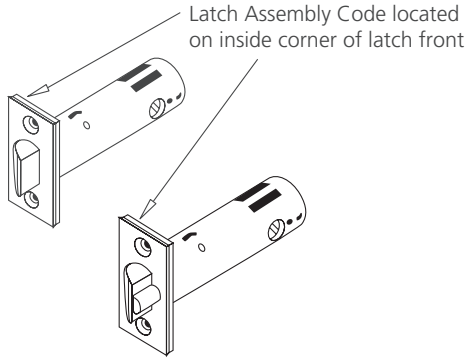
LATCH ASSEMBLIES

- Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32D, BSP, WSP

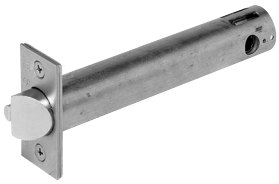
Part	Code	Functions
Standard 2-3/4" (70 mm) Backset		
11-2106	B	04, 05, 16, 17, 37, 38
11-2107	A	15
11-2111	C	65
23- option 3-3/4" (95mm) Backset		
11-2113	B	04, 05, 16, 17, 37, 38
11-2114	A	15
11-2118	C	65

Note: Code letter stamped on inside corner of latch front identifies function(s) compatible with the latch assembly

41-option 3/4" (19mm) Throw		
08-2517	—	04, 05, 15, 16, 37, 38



23- Option: Extended Backsets



- 11 Line latches are available with extended backsets: 23- option 3-3/4" (95mm)
- To order with lock, specify 23- option and backset
  Example: 23-11G05 x OL x 10B x 3-3/4" (95mm) backset
- To order latch separately, specify:
  Part number x finish (see table above)

41- Option: 3/4" (19mm) Throw for Pairs of Doors

- For use on pairs of doors
- Guarded latchbolts listed by Underwriters Laboratories for use on 3-hour A Label pairs of doors
- Available functions: 11G04, 11G05, 11G15, 11G16, 11G37 and 11G38
- To order with lock, specify 41- option
  Example: 41-11G05 x OB x 10B
- 2-3/4" (70mm) Backset only
- Requires 78° of lever rotation to retract latchbolt
- Please note: special door prep required for 41- option — refer to template

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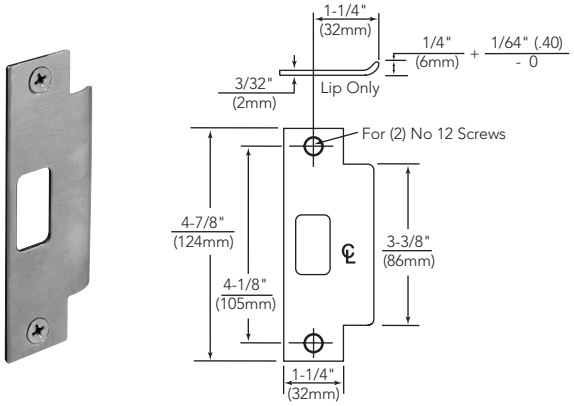
Strikes

STRIKES

- Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP, WSP

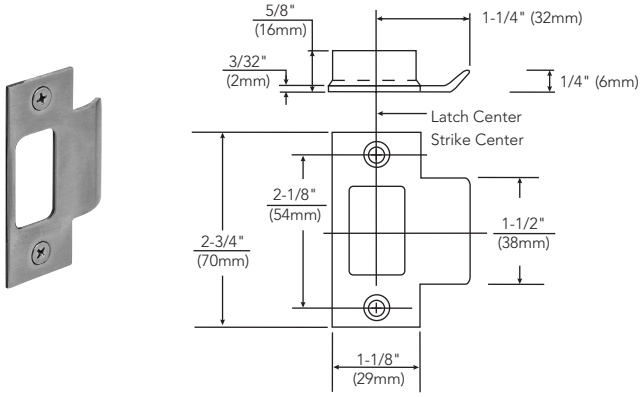
4-7/8" CURVED LIP STRIKE: STANDARD*



- Brass, bronze or stainless steel
- Conforms to ANSI standard
- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- Lip lengths: 7/8" (22mm), 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-5/8" (42mm), 1-7/8" (48mm), 2-1/8" (54mm), 2-3/8" (60mm), 2-5/8" (66mm), 2-7/8" (73mm) and 3" (76mm)
- 77-1141 Wrought strike box available separately
- To order strike separately, specify 808 strike x finish x lip length

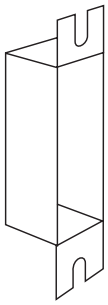
*This strike provided standard with all locks effective February 1, 2026. Option 28- no longer required. If 2-3/4" curved lip strike needed, specify 29- option.

2-3/4" CURVED LIP STRIKE (29- OPTION)



- Brass, bronze or stainless steel
- Furnished standard with 1-1/4" (32mm) curved lip from center of strike screw holes to end of lip
- Lip lengths 1" (25mm), 1-1/4" (32mm) standard, 1-1/2" (38mm), 1-3/4" (44mm) and 2" (51mm)
- Plastic strike box AM-0044 included
- To order strike separately, specify 800 strike x finish x lip length

ANSI WROUGHT STRIKE BOX



- Used with ANSI 4-7/8" strike (#808)
- To order with lock, specify option WBS
- To order separately, specify 77-1141

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Tools & Misc.

SARGENT
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11-0138 Installation Wrench

14-0299 Lockout Key

- For hotel function only
- Order separately

01-4530 6 Lobe Security Tool (T-20)

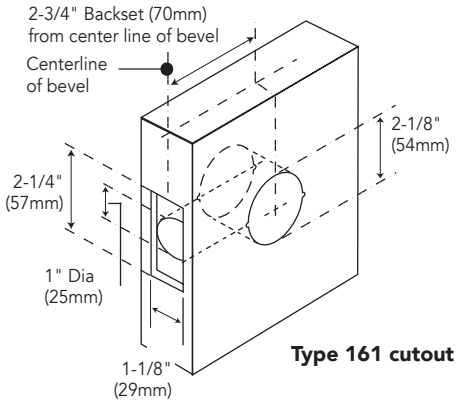
- Two, 6 Lobe security lever set screws packed standard with each lock
- One T-20 tool packed per lock

6 Lobe and Spanner Bit Packs

82-3855	6 Lobe Torx® Bit Pack (36-) (sizes – T8, T9, T10, T15, T20, T25, T27) 7/16" Driver
82-3856	Spanner Bit Pack (37-) (sizes – 4, 6, 8, 10, 12, 1/4") 1/4" Driver

Type 161 Cutout

If weather-stripping, acoustical materials or silencers are used on the door or frame, care must be taken in the installation so that it will not interfere with the ease in which the latchbolt enters the strike



Type 161 cutout

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Retrofit Option

SARGENT 6010 REPLACEMENT KIT — FOR 7600 INTEGRA LOCK

Sub Front

800 Strike

808 Strike

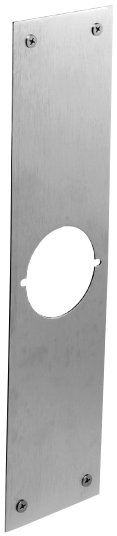
- For installation of standard backset 11 Line lock replacing old 7600 Integra locks in wood doors
- Finishes: 03, 04, 10, 10B, 10BE, 10BL, 15, 20D, 26, 26D, BSP and WSP
- Replacement Kit consist of:

Quantity	Item	Item Number	Size
1	Sub Front	08-0562 x finish	4-1/4" x 1-1/4" (108mm x 32mm)
1	Strike **(must specify 800 or 808)**	800 x finish (with screws 808 x finish (with screws	2-3/4" x 1-1/4" x 1-1/4" (70mm x 32mm x 32mm) 4-7/8" x 1-1/8" x 1-1/4" (121mm x 29mm x 32mm)
1	Strike Box	AM-0044 77-1141	For 800 Strike For 808 Strike (ANSI)
2	Sub Front Screws	01-5001	#10-24 x 3/4" (19mm)

Note: Strikes will not retrofit for strikes 4-1/4" x 1-1/8" x 1-1/4" (108mm x 29mm x 32mm). Lock will not retrofit for lock front plate size 5-1/4" x 1-1/4" (133mm x 32mm) – 36-7600 locks

LARGE ROSE AND COVER PLATE

"L" Rose
3-1/2" (89mm) diameter
Order: 11-2446 x finish



Cover Plate
3" x 12" (76mm x 305mm)
Order: 06-0037 x finish
(2 qty. required)

Screws
Order: 01-2037 x finish
(8 qty. required)

- To cover existing holes on face of door
- "L" roses can be ordered with the 11 Line lock
  Example: 11G05 x LB x 26D
- Cover plate, if required, must be ordered separately

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Cylinder Options

Conventional Cylinder	**-**	SARGENT conventional cylinders supplied standard (nomenclature not required)
Degree Key System	**DG1-**	SARGENT Degree key system level 1 (bump resistant with patented keys)
	DG1-21-	Degree level 1 construction master keying
	DG1-60-	Degree level 1 removable disposable construction core
	DG1-63-	Degree level 1 removable core
	DG1-64-	Degree level 1 removable construction keyed LFIC
	DG1-65-	Degree level 1 unassembled/uncombinated fixed core component cylinder (packed loose for field keying)
	DG1-63-65-	Degree level 1 unassembled/uncombinated removable core LFIC (packed loose for field keying)
	DG2-	SARGENT degree key system level 2 (geographically exclusive; bump and pick resistant)
	DG2-21-	Degree level 2 construction master keying
	DG2-60-	Degree level 2 removable disposable construction core
	DG2-63-	Degree level 2 removable core
	DG2-64-	Degree level 2 removable construction keyed LFIC
	DG2-65-	Degree level 2 unassembled/uncombinated fixed core component cylinder (packed loose for field keying)
	DG2-63-65-	Degree level 2 unassembled/uncombinated removable core LFIC (packed loose for field keying)
	DG3-	SARGENT Degree key system level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree level 3 construction master keying
	DG3-60-	Degree level 3 removable disposable construction core
	DG3-63-	Degree level 3 removable core
	DG3-64-	Degree level 3 removable construction keyed lfic
Signature Key System	**10-**	SARGENT Signature key system
	10-21-	SARGENT Signature construction key system (lost ball)
Signature Removable Core	**10-63-**	SARGENT Signature removable core cylinder
XC- Key System	**11-**	XC key system (not available with other key systems, unless specified)
	11-21-	XC - construction key system (lost ball)
XC- Large Format Interchangeable Core (Removable Core)	**11-60-**	Lock to accept XC-LFIC (removable core) and provided with disposable plastic core; XC-LFIC permanent core ordered separately
	11-63-	Lock provided with XC-LFIC (removable core); Includes master keying, grand master keying
	11-64-	Lock to accept XC-LFIC (removable core) and provided with keyed construction core; XC-LFIC permanent core ordered separately.
XC- Small Format Interchangeable Cores	**11-70-7P-**	Lock to accept XC-SFIC (7-pin, removable core) and provided with disposable plastic core; XC-SFIC permanent core ordered separately
	11-72-7P-	Lock to accept XC-SFIC (7-pin, removable core) and provided with keyed construction core; XC-SFIC permanent core ordered separately
	11-73-7P-	Lock provided with XC-SFIC (7-pin, removable core); Includes master keying, grand master keying
	11-65-73-7P-	Lock provided with uncombinated SFIC (7-pin, removable core); Packed loose
Construction Key Systems	**21-**	SARGENT lost ball construction keying for conventional, XC and Signature Series (n/a with 63- or 73-)
Large Format Interchangeable Core (Removable Core)	**60-**	Lock to accept LFIC (removable core) and provided with disposable plastic core; LFIC permanent core ordered separately
	63-	Lock provided with LFIC (removable core); Includes master keying, grand master keying
	64-	Lock to accept LFIC (removable core) and provided with keyed construction core; LFIC permanent core ordered separately

Note: Cylinder Options continued on the following page

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Cylinder Options

Small Format Interchangeable Cores	**70-***	Lock to accept SFIC (6 or 7-pin, removable core) and provided with disposable plastic core; SFIC permanent core ordered separately
	72-*	Lock to accept SFIC (6 or 7-pin, removable core) and provided with keyed construction core; SFIC permanent core ordered separately
	73-*	Lock provided with SFIC (6-pin, removable core); Includes master keying, grand master keying
	73-7P-*	Lock provided with SFIC (7-pin, removable core); Includes master keying, grand master keying
	65-73-*	Lock provided with uncombinated SFIC (6-pin, removable core); Packed loose
	65-73-7P-*	Lock provided with uncombinated SFIC (7-pin, removable core); Packed loose
Keso & Keso F1	**80-***	Lock to accept Keso and Keso F1 cylinders - no cylinders provided
	82-*	Lock provided with SARGENT Keso security cylinder
	F1-82-*	Lock provided with SARGENT Keso F1 security cylinder (patented)
Bump Resistant	**BR-**	Bump resistant cylinder (available with conventional & conventional XC cylinders only)
Keyed Different	**KD-**	Cylinders provided keyed differently/random
Less Cylinder	**LC-**	Lock supplied less cylinder
Schlage® Keyways	**SC-***	Schlage® C keyway cylinder, 0 bitted
	SE-*	Schlage® E keyway cylinder, 0 bitted
Accepts Schlage® Cylinders	**30-***	Lever to accept Schlage® fixed core cylinder - cylinder is not provided
	SF-*	L lever to accept Schlage® large format interchangeable core (supplied less core, tailpiece included)
ASSA V-10 (See note below)**	**VC-**	Lock provided to accept ASSA v-10 interchangeable core cylinders. V-10 cylinders are available from ASSA, Inc @ 800-235-7482
Accepts ASSA ABLOY ACCENTRA® Cylinders/Cores	**YC-**	L or P Lever to accept ASSA ABLOY ACCENTRA® 6-pin fixed core cylinder - cylinder is not provided
	YC-7P-	L or P Lever to accept ASSA ABLOY ACCENTRA® 7-pin fixed core cylinder - cylinder is not provided
	YRC-	L or P Lever to accept ASSA ABLOY ACCENTRA® 6-pin large format interchangeable core (supplied less core, but with tailpiece needed)
	YRC-7P-	L or P Lever to accept ASSA ABLOY ACCENTRA® 7-pin large format interchangeable core (supplied less core, but with tailpiece needed)

* Options not available with 11G50
** To use ASSA V-10 (VA & VS) cylinders with the 11 Line Lock, specify (LC-) less cylinder option and the lock will accept VA or VS cylinders. V-10 cylinders are available from ASSA, Inc. @ 800-235-7482

Note: 11 Line locks will be provided with the applicable tailpiece per the type interchangeable and/or removable core being used. For example standard cores and Degree® cores require different tailpieces. Appropriate option codes must be specified in accordance to the permanent core being used.

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Mechanical Options

Backset Options	**23-**	3-3/4" backset x 2-1/4" x 1-1/8" front
Strike	**29-**	Strike #800 Lip length 1-1/4" Lip lengths 1" to 2" in 1/4" increments only.
Thick Doors	**31-**	For 2-1/4" to 2-1/2" thick doors, centered in door prep, no paneling.
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
3/4" Throw	**41-**	3/4" (19mm) latch throw (04, 05, 15, 16, 37 and 38 functions only) 78° lever rotation required
Lead Lined	**74-**	Lead provided between lockbody and spring cartridge
Tactile Warning Options	**75-**	Tactile warning – handicap warning milled on backside of inside lever
	76-	Tactile warning – handicap warning milled on backside of outside lever
	77-	Tactile warning – handicap warning milled on backside of both levers
	85-	Tactile warning – abrasive coating on inside lever
	86-	Tactile warning – abrasive coating on outside lever
	87-	Tactile warning – abrasive coating on both levers
Finish Protection	**SG-**	MicroShield® antimicrobial clear powder coat (Only available with 26D finishes)
	CPC-	Clear Powder Coat over 26D – 11G05 x OL x 26D x CPC
Acoustical Door Systems	**STC**	STC 55 acoustical door system (see page 6)
Box Strike	**WBS-**	Wrought Box Strike

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Finishes, Packaging

FINISHES

SARGENT #	Description	ANSI/BHMA
03	Polished brass, clear coated	605
04	Satin brass, clear coated	606
09	Polished bronze, clear coated	611
10	Satin bronze, clear coated	612
10B	Oxidized bronze, oil rubbed	613
10BE	Dark oxidized satin bronze - Equivalent	613E
10BL	Oxidized satin, bronze, clear coated	613L
14	Polished nickel, clear coated	618
15	Satin nickel, clear coated	619
20D	Statuary dark bronze, clear coated	624
26	Polished chrome	625
26D	Satin chrome	626
BSP	Black Suede Powder Coat	—
WSP	White Suede Powder Coat	—
SG- Option	MicroShield® available on 26D finishes only	

Zinc levers are plated to match ANSI/BHMA finish.
Custom colors available, consult factory.
Split finishes:
- Specify outside finish first i.e. 11G05 x OL x 26D x 03 x RH
- Handing must be specified
- Strike and latch front will match the following:
  RH & LH = inside finish
  RHR & LHR = outside finish

Lock Finish	Cylinder/Core*
03, 04, 09, 10, 10B, 10BE, 10BL, 20D	04
14, 15, 26, 26D, WSP	15
BSP	BSP

*Finish when cylinder provided with lock. 15 finish provided for cylinders/cores where BSP not available, see cylinder page 10 for finish availability.

PACKAGING

28-11G05 x OL
4 lbs. 8 oz./box (2.1 kg)
10 boxes/case

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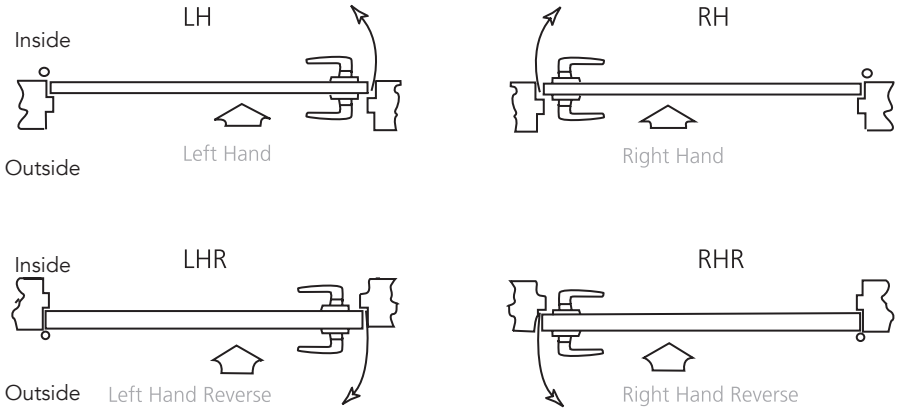
How to Order

HOW TO ORDER

5	11-28-	11G05	B	B	15	Door 3
Quantity	**Options***	**Lock & Function**	**Rose**	**Lever**	**Finish**	**Additional Information**
	Available Options Pg 15-17	Available Functions Pg 8	Available Roses O & L Pg 7	Available Levers B, J, L & P Pg 7	Available Finishes Pg 18	Such as Item, Heading Number, Door Number, Keyset

* Multiple Options may be selected
Note: Lock must be centered within door; For locks not centered contact factory
Note: 800 & 808 strikes have a standard 1-1/4 Lip length; all other lengths must be specified; available lengths are 1-1/8", 1-3/8", 1-5/8", 1-7/8", 2-1/8", 2-3/8", 2-5/8" & 2-7/8"

HOW TO SPECIFY HANDING



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Architectural Specifications

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SUGGESTED ARCHITECTURAL SPECIFICATIONS

2.0 Bored Locksets – 11 Line

A. All bored lever locks shall be manufactured by SARGENT Manufacturing Co., New Haven, CT.

B. Locks shall be ANSI/BHMA Certified Products Directory (CPD) listed to A156.2, Series 4000, Grade 1.

C. Locksets shall be able to withstand 3000 inch pounds of torque applied to the locked lever without gaining access, while maintaining egress.

D. Locksets shall exceed cycle test per ANSI/BHMA A156.2 Grade 1 requirements with no lever sag.

E. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of A label (3 hours) and less, for doors up to 4'0" (1.2m) x 10'0" (3m) and pairs of doors 8'0" (2.4m) x 10'0" (3m) (with 41-option).

F. Locksets shall be able to fit a standard 2-1/8" (55 mm) bore without the use of through-bolts. Standard rose size shall be 2-3/4" (70 mm) in diameter.

G. Lockset levers shall be made of solid material with no plastic fillers.

H. Latchbolt head shall be one piece stainless steel.

I. Latchbolt assemblies shall be encased within the lockbody.

J. Cylinders: SARGENT Degree® 6-pin cylinders with patented key control.

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

L. Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8" beyond trim, frame or inactive leaf. Where required, provide open back strike to allow practical and secure operation.

M. Locksets shall have a ten year limited warranty.

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Notes

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90640 01/26

SARGENT®
ASSA ABLOY

PRODUCT CATALOG

XC Series Cylinders

Experience a safer
and more open world

Cylinders

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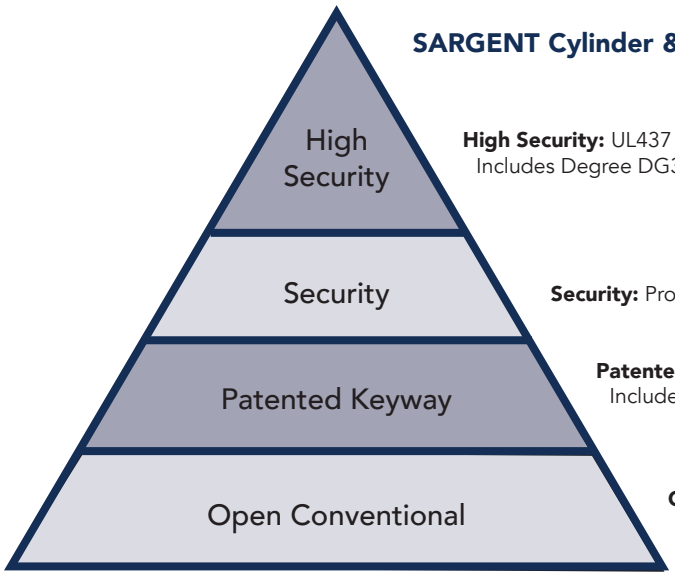
SARGENT Cylinder & Key Control Products



High Security: UL437 Drill & Pick-Resistant Systems offer protection against physical attacks. Includes Degree DG3, and UL-Keso F1.

Security: Protection against picking. Includes Degree DG2, Signature and Keso F1.

Patented Keyway: Keys are protected against unauthorized duplication. Includes Degree DG1.

Open Conventional: Legacy systems whose patents have run out and are not protected.

See product catalogs for more information

On the Cover

XC 41 Mortise Cylinder
XC 7P-7300B Small Format Interchangeable Core
XC 10 Line Cylinder

⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

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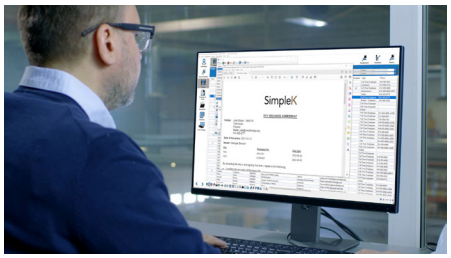
SimpleK Master Key System and Key Management Software

SimpleK

SimpleK is a flexible and intuitive software program that streamlines and simplifies the complexities of managing master key systems, keys, and facilities. It combines all tools needed by locksmiths, facility managers, security officers, and anyone else involved in the key management processes.

The software provides total key control with audit trails, outstanding keys, overdue keys, tools for the rekeying process, and more. SimpleK software allows you to import maps and floor plans to see who has access to each individual door, the associated keys, and hardware on the opening.

SimpleK allows you to manage keys and keying systems of all sizes and types. This includes: Medeco, Corbin Russwin, ASSA ABLOY ACCENTRA®, SARGENT, ASSA, ABLOY, Schlage®, Best®, and many others.



Features:

- Advanced tools for locksmithing and key control
- Manage all key systems (unlimited number of records)
- Robust import tools to bring current data into SimpleK
- Interactive floor plans
- Master key system design and expansion
- Key requests, approvals, issuances, and returns workflow
- Cylinders and core pinning (verifies key interchange)
- Door-Key association visualization and rekeying solution
- Easily identify keys, access, and hardware on openings
- Visibility to audit trails and outstanding/overdue keys

SimpleK – Standard Edition

Description	Part Number
Primary License (3 users)	SMK040-30
Updates & Support Plan on Primary License, 1 year	SMK040-31

SimpleK – Professional Edition

Description	Part Number
Primary License (3 users)	SMK042-30
Additional license	SMK042-32
Updates & Support Plan on Primary License, 1 year	SMK042-35
Updates & Support Plan on Additional License, 1 year (per Add. Lic.)	SMK042-33

Add-On Modules

Description	Part Number
Item Tracking	SMK032-31
Web Interface	SMK032-33
Room Management	SMK032-35
Mobile Applications	SMK032-37

For more information, customer service or technical support, please call SimpleK at 800-315-0454 or visit www.simplek.com.

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SimpleK Software Order Form

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Form is required for all SimpleK Software orders.

Brand*	
Distributor Purchase Order Number*	
Distributor Account Number*	
Part Number*:	**Standard Edition** ☐ SMK040-30 Primary License (3 users) ☐ SMK040-31 Updates & Support Plan on Primary License, 1 year **Professional Edition** ☐ SMK042-30 Primary License (3 users) ☐ SMK042-32 Additional license ☐ SMK042-35 Updates & Support Plan on Primary License, 1 year ☐ SMK042-33 Updates & Support Plan on Additional License, 1 year (per Add. Lic.) **Add-On Modules** ☐ SMK032-31 Item Tracking ☐ SMK032-33 Web Interface ☐ SMK032-35 Room Management ☐ SMK032-37 Mobile Applications
To receive your SimpleK license and download link with instructions for your new software package, the following End User Information is required:	
Company/Institution Name*	
Mailing Address*	
City*	
State/Province*	
Zip/Postal Code*	
Country*	
Primary Point of Contact*	
Telephone*	
Email Address where license and download link will be sent*	

*Required field

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Features, Benefits & Components

The XC Series offers a new dimension in higher security cylinders and key control. The system features specially designed keys which operate XC Cylinders and Conventional cylinders in one key system. XC Series cylinders can be integrated into most existing SARGENT systems (contact key records for compatibility) or as a new system. Multiple security levels are available to provide key control, convenience and service that meet the demands of each installation.

SARGENT offers bump resistant cylinders that employ specially engineered patent pending pinning components designed to resist bumping while maintaining the cylinder's strength.

The bump resistant feature is available for the following cylinders (6 pin only).

• Mortise, Rim & Bored Cylinders: Conventional and XC (11-)

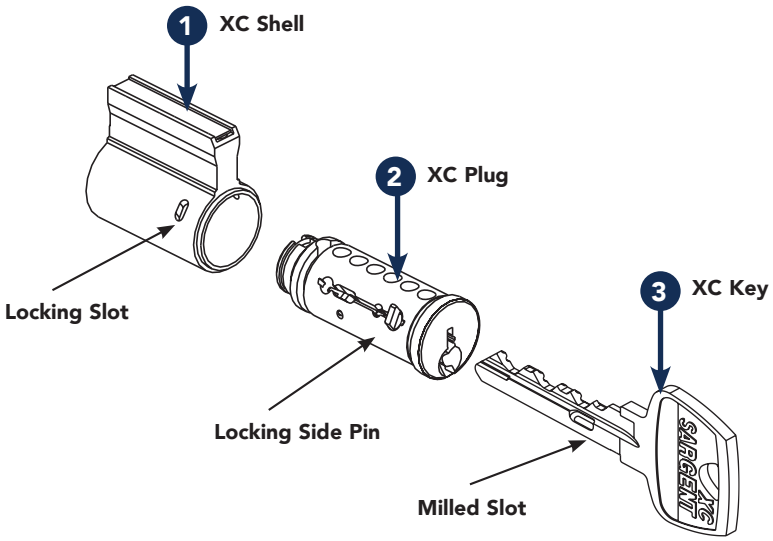
Features

- Protected XC- 6 pin conventional cylinders, XC- large format interchangeable core cylinders and XC- 7 pin small format interchangeable core cylinders in 4A keyway along with key blanks are sold only through authorized SARGENT distributors
- Precision built to extremely close tolerances and the highest standards of quality
- Captive independent locking mechanisms are controlled by the XC key
- Standard cylinder pins are complemented by the independent XC Locking Slide Pin and activated only by the XC Key
- Available in finished locks, complete cylinder assemblies and shell/plug components
- Available in standard SARGENT keyways L and R families only
- XC keys can be cut to operate non-XC conventional cylinders
- XC key blanks can easily be cut on standard key duplicating machines
- XC Cylinders are available with Bump Resistant Pins by specifying BR- Option
- XC Cylinders can be upgraded in the field with Bump Resistant Pins with the Bump Resistant Re-pinning Kit (437BR Kit)
- Available with and for most SARGENT products in conventional, construction, SFIC and LFIC cylinders
- Consult individual product catalogs for availability

Benefits

- 7 Pin Small Format Interchangeable Cores in SARGENT 4A & 4B keyways only
- Increased security and key control by limiting unauthorized duplication
- Versatile design for new systems; retrofits most existing key systems. Consult factory for compatibility. Easily field keyed and maintained. Ideal for new construction.
- Cost effective method to increase security of existing systems without having to install a completely new system
- Security of a system can be increased where needed without having to issue all new keys
- Maintain and expand existing key systems using similar SARGENT products
- The interchangeable core option allows for fast and easy keying without having to disassemble the lock from the door or cylinder from knob/lever
- XC also available in 6300 (LFIC) removable cores for fast, easy rekeying without disassembling the hardware. Not available with all existing hardware. Some mortise locks and rim cylinders may require modification. Only 8 Line and bored locks that use removable tail pieces will require new tail pieces. See page 9 for compatibility.
- Easily field keyed with standard pinning kits

COMPONENTS



Cylinders supplied to existing keys systems are not supplied with control, emergency of master keys unless specified on the order.

1 XC Shell*

The locking slot in the XC shell accepts the plug's locking side pin preventing the plug from rotating when engaged. The XC key with the properly cut and side mill inserted into the plug allows the plug to rotate freely in the shell.

2 XC Plug*

The XC plug is factory loaded with captive locking side pin mechanism which extends into the XC shell, preventing rotation until a properly milled key is inserted.

3 XC Keys*

The XC key has a side milled slot to activate the locking side pin mechanism in the XC plug. The key's milled slot location is determined by keyway use. Standard key cutting can be done in the field on XC keys. The XC keys will operate standard SARGENT, non-XC cylinders. Two keys are provided standard with each cylinder.

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Bored & Auxiliary Lock Cylinders

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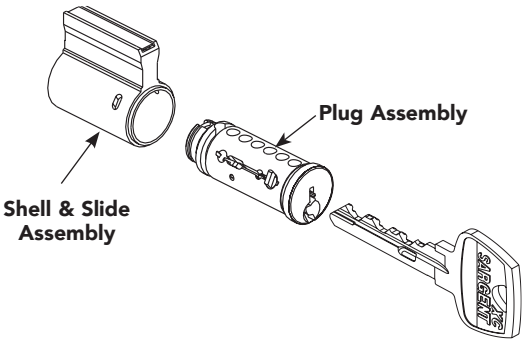
Bored Locks

Locks	Complete 6 pin Assembly	Plug Assembly	Shell & Slide Assembly
T-Zone (11 Line)	11-C11-1	13-4332	13-4334
10X Line Mechanical	11-C10X-1	13-4332	13-4334
10X Line Electrified	11-C10XE	13-4332	13-4334
10 Line	11-C10-1	13-4332	13-4334
9 Knobs***	11-C8-1	13-4331	13-4335
8 Knobs***	11-C8-1	13-4331	13-4335
8L ***	11-C10-1	13-4332	13-4334
7600 ***	11-C7600-1	13-4312	13-4339
7 Knobs***	11-C8-1	13-4331	13-4335
7 Line	11-C10-1	13-4332	13-4334
6500	11-C10-1	13-4332	13-4334
6 "B" Knob	11-C6-1B	13-4332	13-4336
6 "S", "N" Knobs	11-C6-1	13-4332	13-4336
5500	11-C5500-1	13-4328	13-4338
8X Line	11-C8X-1	13-4328	13-4338

*** Discontinued Product Line
- Available for all functions except 50 function
- Plug finishes: 4,15, BSP



Note: Use SARGENT 437 C pinning kit for field rekeying

For masterkeyed orders include Keyed Order Leadsheets with keying details as found in General Information section of price book

Parts shown on this page are unique to the XC feature. These plugs and shells cannot be used with non-XC components.

For all other cylinder components, refer to the standard Cylinder & Components section.

XC 11- option not available with 10-, 22-, 51-, 52-, 82-, 83-, 84-, SC- or SE- options.

Auxiliary Locks (Deadbolts)

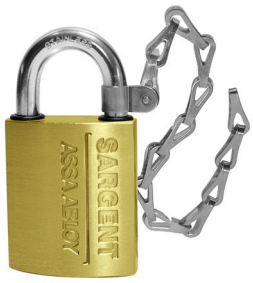
Locks	Complete 6 pin Assembly	Plug Assembly	Shell & Slide Assembly
464***	11-C460-1	13-4329	13-4337
465***	11-C460-2	13-4329	13-4337
474	11-C480-1	13-4330	13-4337
475	11-C480-3	13-4330	13-4337
484	11-C480-1	13-4330	13-4337
485	11-C480-2	13-4330	13-4337
486	11-C480-3	13-4330	13-4337
487	11-C480-2	13-4330	13-4337

- Plug finishes: 4, 15, BSP

11 758/858 PADLOCK FEATURES

- 758-Key Retaining. Key can only be removed when padlock is in locked position.
- 858-Non-Key Retaining. Key can be removed when padlock is unlocked. Key not required to relock padlock (snap locking).
- Cylinder easily removed while in the unlocked position for rekeying
- 6 pin cylinder standard
- Shackle locked by dual ball bearings
- All shackles 5/16" (8m) diameter
- Optional 11-63 XC LFIC (removable) core available

Complete Padlock	11-758/858 x Shackle height
Shackle Height (closed)	1" (25mm) standard, 2" (51mm) (-2 suffix) and 4" (102mm) (-4 suffix)
Shackle Material	Stainless steel -standard Boron hardened steel (-HS suffix) Brass chain 9" (228mm) long (-C suffix)
Cylinder assembly with tail piece	11-C750-1 X US4
Plug assembly	13-4332
Shell & Slide assembly	13-4334
Tail piece only	13-1230



11-758-C Shown
(Optional chain shown)

Note: XC 11- option not available with 10-, 22-, 51-, 52-, 82-, F1-82-, 83-, F1-83-, 84-, SC-or SE- options.

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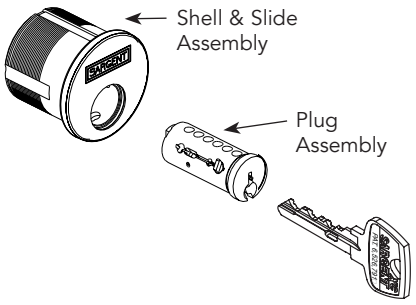
Mortise/Rim Cylinders
Rosettes & Blocking Rings

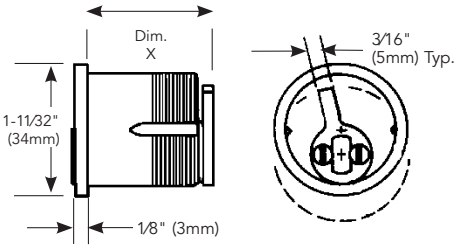
SARGENT
ASSA ABLOY

11-40 Series Mortise Cylinders

Complete 6 pin Assembly	Dim. X Length Under Cylinder Head	Plug Assembly	Shell & Slide Assembly
11-41	1-1/8" (29mm)	13-4314	13-4301
11-42	1-1/4" (32mm)	13-4315	13-4302
11-43	1-3/8" (35mm)	13-4316	13-4303
11-44	1-1/2" (38mm)	13-4317	13-4304
11-46	1-3/4" (44mm)	13-4318	13-4305
11-48	2" (51mm)	13-4319	13-4306
11-50	2-1/4" (57mm)	13-4320	13-4307
11-52	2-1/2" (64mm)	13-4321	13-4308
11-54	2-3/4" (70mm)	13-4322	13-4309
11-56	3" (76mm)	13-4323	13-4310



- Cylinder: Solid brass, 1-5/32" (29mm) diameter
- Cap: Brass, bronze or stainless steel
- Available for all functions, except 50 function
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- Mortise cylinder assemblies that are ordered without hardware are supplied with standard SARGENT offset cam 13-0664
- Cylinder finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 32, 32D, BSP, WSP
- Plug finishes: 4, 15, BSP



Note: Use SARGENT 437C pinning kit for rekeying
For masterkeyed orders include Keyed Order Leadsheets with keying details as found in General Information section of price book
Parts shown on this page are unique to the XC feature. These plugs and shells cannot be used with non-XC components.
For all other cylinder components, refer to the standard Cylinder & Components section.
XC 11- option not available with 10-, 22-, 51-, 52-, 82-, 83-, 84-, SC- or SE- options.

OPTIONAL CAMS FOR 11-40 SERIES MORTISE CYLINDERS*

Standard Cam
(13-0664)

Standard Cam
11-41 thru 11-56

#105
(13-0665)

Short cam for 8292 and 8216 functions inside only

#101
(13-0512)

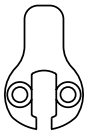
Adams Rite
1850, 4700

#113
(13-0921)

SARGENT 4370 Series key switches

#106
(13-0938)

"Open" Schlage "L"



#112
(13-0097)

"Open" Misc.

* Two screws are used to attach cam, if needed order P/N 01-1121

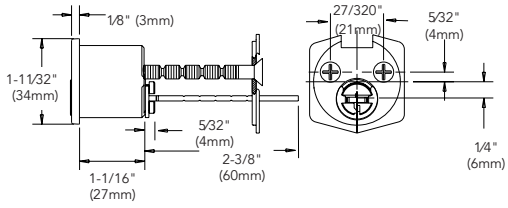
The 437BR Kit is used to convert existing cylinders into bump resistant cylinders. Simply replace the drivers and springs in all chambers. Each kit includes 300 pins for use in mortise/rim cylinders, 300 pins for use in KIK/KIL cylinders and 600 springs.

432 RC - Large Format Interchangeable Core Installation Tool
432 IC- Small Format Interchangeable Core Installation Tool (shown)

- Assists in the installation of Interchangeable Core cylinder bodies
- Assists in threading the cylinder body into the mortise lock
- Used to check the function of the cylinder in the lock before installing the cylinder core

11-34 Rim Type Cylinders

- Complete assembly (6 pin), specify 11-34
- Plug assembly, specify 13-4312
- Shell & slide assembly, specify 13-4299
- 27/32" (21mm) screw pattern for through-bolted SARGENT exit devices
- Cylinder: Solid brass
- Cap: Brass, bronze or stainless steel
- Cylinder adapter 13-2099 used with 8504 and PE8504 SARGENT Exit Devices.
- Cylinder finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 15, 20D, 32, 32D, BSP, WSP
- Plug finishes: 4, 15, BSP



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11- 6300 Series Large Format Interchangeable Cores (Removable)

SARGENT XC 6300 Large Format Interchangeable Core (Removable) Cylinders offer a quick and easy method to change cylinders for increased security. The lock does not need to be removed from the door to rekey the opening. The XC core offers a cylinder option for full size LFIC (removable) core SARGENT cylinders.

Note: The XC cores will only work in SARGENT hardware ordered to accept them with the 11-60 or 11-63- or will need to upgraded in the field. Mortise and rim cylinder housings made with shorter version posts to accept the 11-6300 core can be used without modification. Not all lever style bored locks will accept this 11-6300 core. Only products with removable tail pieces that insert in the back of the core are compatible by using with new tail pieces. Existing 480 Deadbolt Series will require conversion. See page 9 for compatibility and parts needed to upgrade exiting hardware to accept the 11-6300 core.

11-63- Option Permanent LFIC (Removable) Core Cylinders

- SARGENT XC LFIC (Removable) Core Cylinders and Master Key Systems are available for a quick change of cylinders for increased security. It is not necessary to remove the lock from a door to rekey the opening.
  This XC core offers a cylinder option for full size removable core SARGENT cylinders. These XC cores will only work in hardware ordered to accept them with the 11-60 or 11-63- or will need to upgraded in the field. See the next page for parts needed and SARGENT hardware available for upgrading to XC 6300s.
- Special "control key" (catalog P/N X6272 CTL) is used to release a locking cam allowing immediate removal of the core
- Available for use in many SARGENT products (Exit Devices, Mortise locks, Bored locks and padlocks)
- Can be master or grandmaster keyed
- 6-Pin only
- 1 bitted available for field keying
- 1 bitted cylinders supplied with 2 key blanks, pins and springs in chambers in 3 and 4 only
- Wide variety of master key systems available
- Permanent (keyed removable) cores supplied with hardware unless specified otherwise

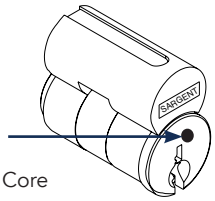
- Available in the following SARGENT keyway families: L & R families only.
- Finishes: 4, 15, BSP
- When ordering, use Cat # 11-6300; include finish.
- For masterkeyed orders include Keyed Order Leadsheets with keying details as found in General Information section of price book
- Request Control Key (X6272CTL) if required
- 1 bitted cylinders only pinned with pins and springs in the 3rd and 4th chambers. Two key blanks provided

11- 60- Option Disposable Plastic Core

- During the construction phase in non restricted areas, disposable plastic cores can be used, eliminating use and distribution of the actual keys
- Order hardware with 11-60 to accept 11-6300 permanent cores ordered separately
- Once construction is near completion, the permanent keyed cores will be installed and the building secured; permanent keyed cores are ordered separately
- Disposable cores are typically used on interior doors
- Operate with coin or flat screw driver
- One piece design allows for easy installation
- To order plastic temp. core separately: Use p/n 13-5177

11- 64 Option Construction Keyed LFIC Keyed Cylinders

- The SARGENT 11-6400 LFIC brass construction core (order 11-64- Option with SARGENT products) enables doors to be locked during project construction period
- Using 11-6400 cores prevents keys for the permanent key system from becoming available during the construction process
- After construction is completed, the 11-6400 brass cores are removed and replaced with 11-6300 keyed permanent LFIC cores
- A special control key releases the locking sleeve of the cylinder core allowing immediate removal of the core
- Construction cores are all keyed alike in one KA keyset
- Furnished with 6 keys and 1 control as standard
- Plug face dimpled for easy identification



6400 Brass Core

11-6300 Series Parts Only

13-4326	Plug, Finishes: 4, 15, BSP
13-5175	Inner Shell & Slide Assy, Finishes: 4, 15, BSP
13-0796	Control Sleeve
01-0660	Plug retaining ring
13-1341	Slide for Cylinders WITHOUT a box around the word SARGENT (Mfg after 3/06)

Uses the same pins and principles of 6300 cores, For pins, springs and keying kits see page 17 and 18 of conventional catalog pages 17 & 18.

11- 63-34 Rim Cylinder

- Housing: Solid brass
- Cap: Brass, bronze or stainless steel
- Cylinder adapter 13-2099 used with 8504 and PE8504 SARGENT Exit Devices.
- Optional collars are offered and to be ordered separately, consult individual catalogs for more details
- Includes the same tailpiece and screw hole pattern as the #34 cylinder
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL,14, 15, 20D, 32, 32D, BSP, WSP

11-63-40 Series Mortise Cylinders

- Cylinder: Solid brass 1-5/32" (29mm) diameter
- Cap: Brass, bronze and stainless steel
- See 11-6300 cam options on page 9
- Available in the following lengths:

Cylinder #	11-63-42	11-63-43	11-63-44	11-63-46
Length	1-1/4" (32mm)	1-3/8" (35mm)	1-1/2" (38mm)	1-3/4" (44mm)

- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- Other SARGENT keyways available
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL,14, 15, 20D, 32, 32D, BSP, WSP

11-60- Mortise Cylinders

- 11-60-42- up to size 46 same as above, but supplied with plastic disposable plastic core

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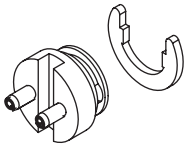
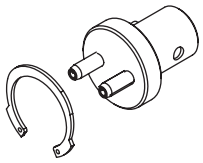
11-6300 Cylinder/Lock Conversion Parts Tools and Accessories

SARGENT
ASSA ABLOY

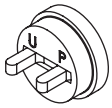
60-34 Rim, 8-Line and 480 Series Conversion Parts



Kit # 13-5178
for 11-63-34 Rim Cylinders



Kit # 08-5265
for 11-63-8-Line Knobs



Kit # 16-2519 for
Cam Assembly
for 11-63-Deadbolts

Cams for 11-6300 Large Format Interchangeable (Removable) Core Mortise Cylinders (Factory assembled to housing)

- 6300 Cams are factory installed and are not removable
- 6300 Cams are not sold separately
- Specify required Cam as a suffix: 11-63-42 x 32D X 101(cam)
- For Standard Cam: No Suffix is required

Standard
6300 Series
Cam

#105
Cam for
6300 Series
16 & 92
mortise
function
locks

#115
Cam for
6300 Series
50 function
locks

#101
ADAMS RITE
1850 4710

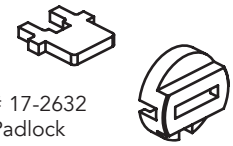
#106
Schlage
"L"

#113
4370 Series
key switch

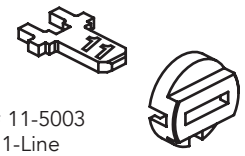
#112
Wide
Straight

758/858 Padlocks, 11 Line (T-Zone), 10, 7, 6500 Line

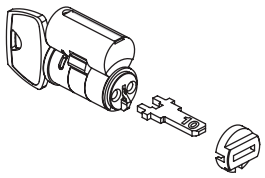
Note: Only locks with removable Tail Pieces can be upgraded to 11-6300 Cores



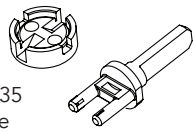
Kit # 17-2632
for Padlock



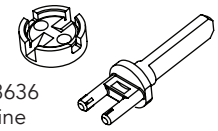
Kit # 11-5003
for 11-Line



Kit # 10-3429 for
10 Line and 7 Line. 05-3125
for 6500 Series (Cylinder Not
Included)



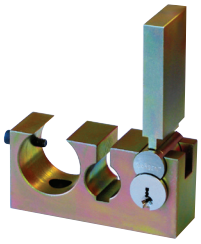
Kit # 10-3635
for 10X Line
1-3/8" - 2" Doors



Kit # 10-3636
for 10X Line
2-1/4" Doors

436-1 Slide Block Kit

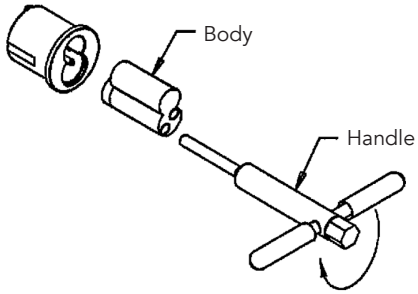
- Includes fixture and staking tool for use only with the 11- (10)- 6300 Series Cylinders manufactured after March 2006 for the ease of top loading in the field.
- The kit includes 100 each slides p/n 13-1341, Staking Block and Staking Tool.
- Cylinders manufactured after March 2006 will not include the box around the Sargent logo and can be used with this kit.



Cores
without
a box
around
the word
"SARGENT"

431-6 Shear Tool

- Tool for preparing SARGENT 60-/63- mortise cylinders to accept 11-6300 XC cores
- Use Kit # 13-5178 for upgrading rim cylinders



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SARGENT
ASSA ABLOY

11-7P-7300B
Small Format Interchangeable Cores

11-7P-7300B Series Small Format Interchangeable Core (SFIC) Cylinders: 7 Pin Only

- SARGENT XC SFIC Cylinders are protected keys and cylinders for increased security. With a control key, these cylinders can be easily removed for rekeying. It is unnecessary to remove the lock from a door to rekey the opening. For use in SARGENT hardware only. Consult individual catalogs for product availability.
- SARGENT 11-7P Interchangeable Cores are available in SARGENT 4A and restricted 4B keyways
- 4A Keyway will be supplied standard on new systems
- A2 or A4 systems available
- Existing SARGENT mortise cylinders may require core mounting pin modification, use SFIC pin shear tool (p/n: 431-7)
- Existing SARGENT bored locks require new tail pieces to accept XC SFIC cores
  T-Zone (11 Line) 11-0276
  10 Line.....10-3138
  10X Line.....10-3641
  7 Line.....10-3138
  6500 Line.....10-3138
- XC 11- option not available with 10-, 22-, 51-, 82-, 83-, 84-, SC- or SE- options

11-7P-7300B Keyed Small Format Interchangeable Core

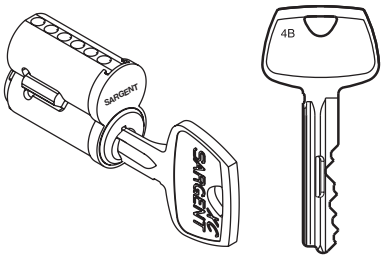
- Supplied with two nickel silver keys as standard
- Face includes SARGENT logo
- For use in SARGENT hardware only, consult individual catalogs for availability
- 11-7P-7300B (7 pin)
- If Control 11X7272 CTL or Master key 11X7282BMK is required order separately
- Finishes: 4, 15

11-65-7300B Uncombinated Small Format Interchangeable Core

- Cores for field keying
- No pins, springs or key blanks provided
- No logo on face
- 11-65-7P-7300B (7 pin)
- Finishes: 4, 15
- Easily field keyed with SFIC keying kits in either the A2 or A4 pinning systems

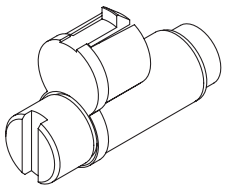
431-7 Shear Tool

- Tool for preparing SARGENT 70-/73- mortise or rim cylinders to accept 11-7300B 7 pin XC core



11-70- Option Disposable Plastic Construction Core For SFIC

- Used for those doors that do not require key locking during construction but will be using permanent 11-7300 B cores
- Offered in 11-70-34 Rim, 11-70-43 & 11-70-46 Mortise Cylinders and many bored locks, consult product catalogs for availability
- Operate with coin or flat screw driver
- Two piece design allows for easy installation
- To order Disposable Plastic Construction Core only, specify: 13-5174

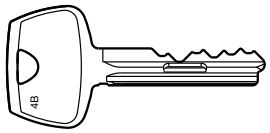


11-72-7P Option Brass Small Format Interchangeable Construction Core

- SARGENT 7200 Interchangeable 7 pin brass construction core (order 11-72- option with SARGENT products) enables doors to be locked during construction
- Using 11-7200 cores prevents permanent key system keys from becoming available during construction process
- After construction is completed, 11-7200 brass cores remove and replace with 11-7P-7300 keyed-permanent interchangeable cores
- Plug face is blue for easy identification
- Special Control key (7254B CTL) releases locking sleeve of the construction core allowing for immediate removal of the core
- Construction cores are 7 pin and keyed alike
- Six (6) construction master keys (p/n 7282B CMK) and one (1) Control key included
- Cores shipped with hardware

Key Blanks/Cut Keys (Nickel Silver)

- Available in quantities of 50 each
- Packed 50 per box
- Keys Stamped DO NOT DUPLICATE
- SARGENT Keyways: 4A, Restricted 4B
- Order 11-X7285B x Keyway
- Cut Master key 11-X7285 BMK x Reg. #
  Control key 11-X7282B CTL x Reg #
- Cut Chance Key 11 x 7282BCHK x key set x reg #



11-73-7P-34 Rim Cylinder

- Brass cylinder and housing
- Furnished with break off screws and back plate
- Housing accepts 7 pin core only
- Mounting holes located to match SARGENT hardware
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 14, 15, 20, 26, 26D, BSP, WSP

11-73-7P-40 Series Mortise Cylinders

- Two cylinder sizes
- 11-73-7P-43, 1-3/8" (35mm) length under cylinder head (including cam)
  11-73-7P-43 (7 pin)
  11-70-43 (shell less core)
- 11-73-7P-46, 1-3/4" (44mm) length under cylinder head (including cam)
  11-73-7P-46 (7 pin)
  11-70-46 (shell less core)
- 1-5/32" (29mm) diameter housing
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- Cam is permanently staked to housing
- Housing accepts 7 pin core only
- Mortise cylinder cams operate current SARGENT hardware
- Offered with SARGENT standard offset cam only
- Hotel Function not available
- Finishes: 3, 4, 9, 10, 10B,10BL, 14, 15, 20, 20D, 26, 26D, BSP, WSP

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Construction Master Keying

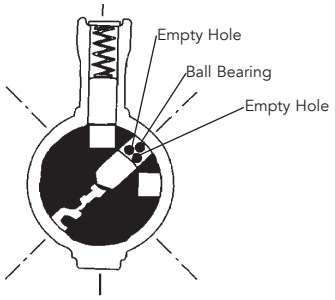
Cylinders ordered with construction keying will receive the 21- option Lost Ball feature. With this option, construction keying is obtained without the nuisance of going back to each cylinder and removing the construction split key when the building is turned over. The 21- cylinder is master keyed with small ball bearings in one of the chambers. The 21- plug is drilled in two places on each side of the chamber containing the balls. While the building is under construction, the master key to be used, the balls remain in the chamber above the plug.

Voiding the construction master key is accomplished by simply using the Change key, which allow the balls to fall into one of the holes on either side of the chamber.

The construction master key will no longer operate the cylinder.

Orders with 21- will have all change keys shipped separately from hardware.

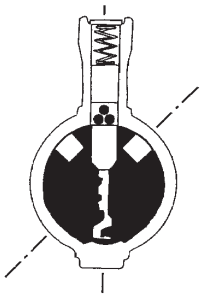
- 21- is not available with removable core (5100, 6300 or 7300)
- Use 11-72 option for construction keying for 11-7300 cores
- 21- replaces the 22- split key, which is only available as an addition to existing 22- master keyed systems
- Use 11- 64- option cores for XC- removable core cylinders
- #439 Lost Ball Rekeying Kit allows for Field construction of 21- lost ball keying
- #439 kit includes a drilling block, knurled pin, 500 balls and drill with collar
- For Construction Master Key use catalog # 11 x 6272 CMK



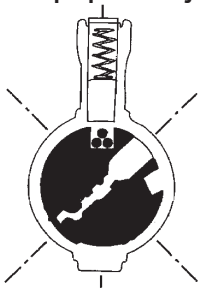
Shown above is a cross section of a 21-Option Lost Ball Cylinder with the Construction Master Key inserted and rotated.
The ball bearings lie flat with one positioned behind the other. They are not stacked.

TO VOID CONSTRUCTION KEY

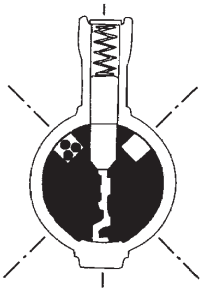
Note: Ball bearings shown are for illustration purposes only. They do not stack, they align next to each other and lay flat.



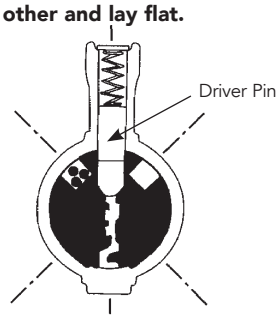
In this view, the Change Key is inserted into the cylinder's plug to void the Construction Master Key. The Change Key raises the three balls above the plug.



As the Change Key is rotated, the three construction balls fall into one of the holes in the plug



The Change Key is then rotated to the vertical position for extraction



If the Construction Master Key is inserted (as shown) after being voided, it will not rotate because Driver pin now extends into the plug chamber. This prevents it from rotating and voids the Construction Master Key.

No. 1KB Rosette

- KB Series Rosette - supplied standard with 8200 Mortise Locks and are used with mortise cylinders and No. 90 blocking rings when cylinders project from door
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- 1-1/2" (38mm) diameter (includes compression spring)
- Projection from door:
  1KB-1.....5/16" (8mm)
  1KB-2.....7/16" (11mm)
  1KB-3 .....9/16" (14mm)
  1KB-4.....11/16" 16mm

No. 90 Blocking Ring

- Brass, bronze or stainless steel
- Available sizes: 1/16", 1/8", 3/16", 1/4", 3/8"
- Specify #90 x size x finish
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

No. 97 Rosette

- 1-11/16" diameter (43mm), 9/32" (7mm) projection (includes compression spring)
- No. 97 Rosette - supplied standard with 7900 Mortise Locks, Exit Device with pulls and cylinders ordered separately from hardware
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- 1-11/16" diameter (43mm), 9/32" (7mm) projection (includes compression spring)

Note:
- **Parts shown on this page are unique to the XC feature. These plugs and shells cannot be used with non-XC components.**
- **For all other cylinder components, refer to the standard Cylinder & Components section.**
- **XC 11- option not available with 10-, 22-, 51-, 52-, 82-, 83-, 84-, SC- or SE- options.**

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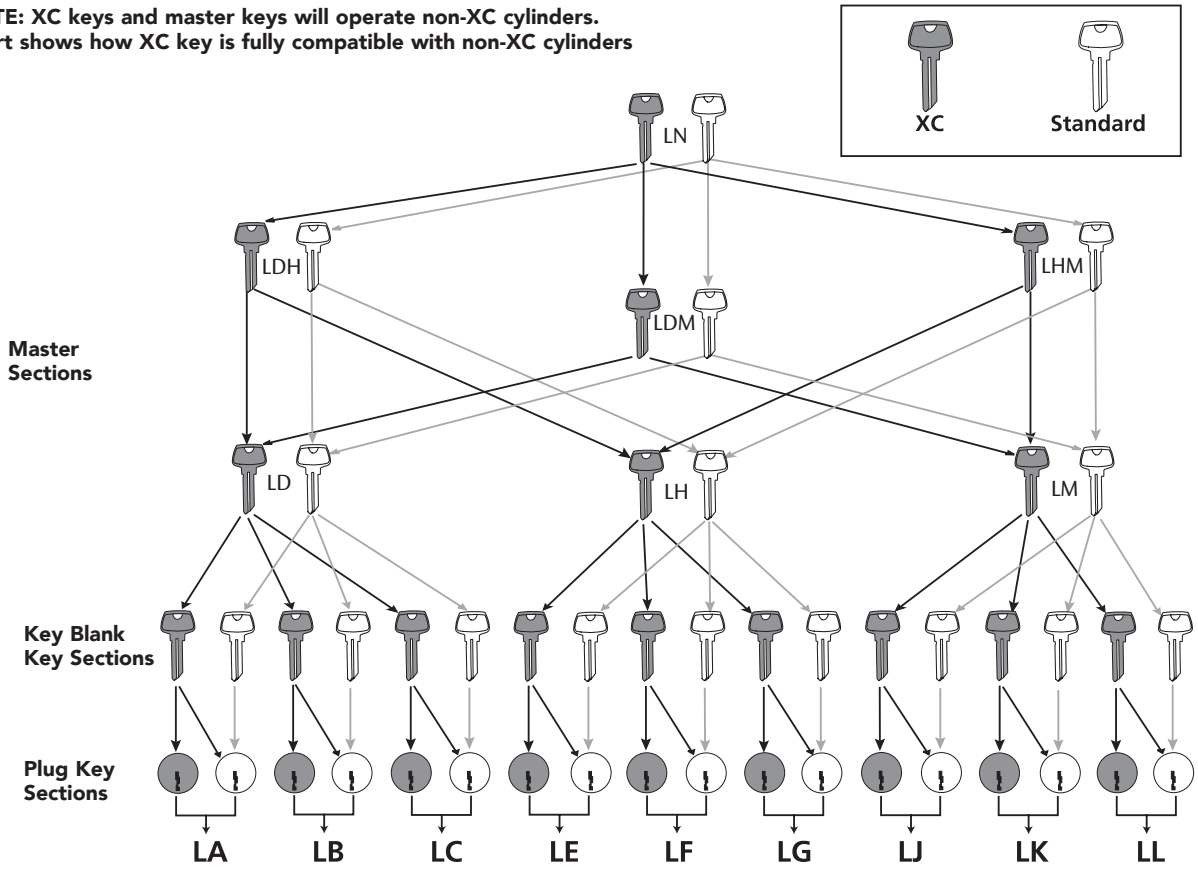
Key Control Comparison & Key Blanks

XC VS. STANDARD KEYWAY CONTROL

NOTE: XC keys and master keys will operate non-XC cylinders.
Chart shows how XC key is fully compatible with non-XC cylinders



LA family shown above (also available in SARGENT R Multiplex family).

SARGENT Key Blanks

Master Key Section (6 Pin)	Day or Change Key (6 Pin)	
Catalog Number 11-X6270	Catalog Number 11-X6275	
LD	LA	RA
LH	LB	RB
LM	LC	RC
LDH	LE	RE
LHM	LF	RF
LN	LG	RG
RD	LJ	RJ
RH	LK	RK
RM		
RDH		
RDM		
RHM		
RN		

Small Format Interchangeable Core Keyways

Master/Day/Change Key (7 Pin only)
Catalog Number 11-X7285B x keyway
SARGENT 4A
SARGENT 4B (Restricted)*
* Pre approval required by SARGENT key record department

- Packed 50 per box
- Order by Catalog Number x Keyway

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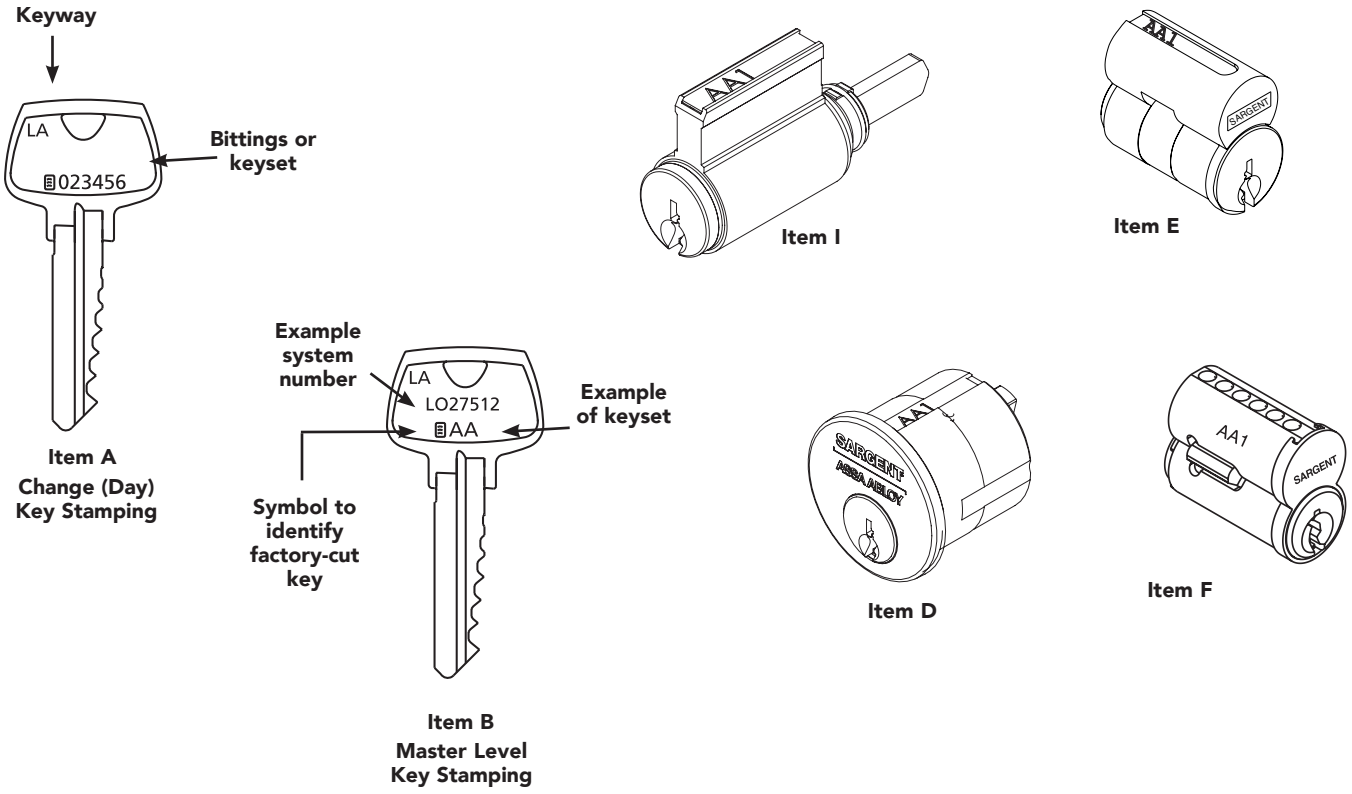
Cylinders & Components

VISUAL KEY CONTROL (STAMPING)

- To allow for easier key and cylinder identification, SARGENT offers the option for permanent stamping of keys and/or cylinder with industry standard alpha-numeric keyset symbols.
- Non-visual key control stamped change (day) keys include bitting numbers as standard, (Item A) unless specified in keying order lead sheet submitted with order requesting to be omitted and key set substituted.
- SFIC and Signature change keys are stamped with key set symbols as standard.
- Master level keys do not include bitting numbers. Master level keys include system register numbers stamped on the first line, and the standard visual key control designations on the second line (Item B).

Up to 7 characters available for permanent stamping for Visual Key Control
- Key and cylinder identified by industry standard alpha-numeric keyset symbols
- Concealed stamping on mortise and rim cylinders and bored lock cylinders available on the slide only (Item D or I)
- Cylinder-slide stamping available on 5100 and 6300 SARGENT LFIC (removable) cores, bored lock, mortise/rim cylinders (Item E, I D)
- Core side engraving available for 7300B Series up to 7 characters (Item F)
- Special key stampings available, such as “DO NOT DUPLICATE” or “CITY OF PHOENIX”
- XC and Signature cylinders not available with visual plug stamping
- XC and Signature cylinders available with only concealed slide stamping (Item D, E and I) only
- Signature LFIC 10-6300 available with cylinder slide stamping (Item E)

Note: SARGENT will stamp alternate identity codes on cylinders and/or keys whenever requested. This alternate stamping can not be different if both are to be stamped. Master Level Keys can also be stamped with a single alternate code



TAMPER PROOF PACKAGING

For the highest level of security for the end user, Tamper Proof Packaging is used on all Master Keys, Signature key blanks and all restricted key blanks. This heat sealed shrink wrap identified with “SARGENT Sealed For Your Security” provides assurance of the integrity of the factory generated key system.

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Architectural Specifications How to Order

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ARCHITECTURAL SPECIFICATIONS

2.0 Cylinders, Key, and Keying – Standard Cylinders and 6300 Large Format Interchangeable Core (Removable)

A. Acceptable Manufacturer and Series (No Substitutions):

Manufacturer	Series
SARGENT	XC

B. Provide cylinders and LFIC cores that require a key which are protected from unauthorized manufacture and distribution.

C. The key design and tolerances shall permit the cutting of keys with standard code or duplicating machines. The requirement for a single-purpose or keyway-specific cutting or duplicating machine shall not be allowed.

D. The key design and tolerances shall permit the use of keys and cylinders in existing key systems having similar keyways and sections.

E. Provide 6 masterkeys for each masterkey set. Provide 2 change keys for each lock. Stamp keys "DO NOT DUPLICATE".

F. Key blanks shall only be shipped to end-user locations upon written documentation from authorized purchasing personnel and for specified number of keys only.

G. Submit proposed keying schedule to Architect. If requested, meet with Owner and Architect to review schedule.

H. Deliver all permanent key blanks and other security keys direct to Owner's representative from SARGENT Manufacturing via secure courier, return receipt requested. Failure to properly comply with these requirements may be cause to require replacement of all or any part of the cylinders and keys involved as deemed necessary at no additional cost to the Owner.

2.1 Cylinders, Key, and Keying – 7300 Small Format Interchangeable Core

A. Acceptable Manufacturer and Series (No Substitutions):

Manufacturer	Series
SARGENT	XC

B. Provide 7-pin small format interchangeable core (SFIC) cylinders.

C. Provide cylinders and keys protected from unauthorized manufacture and distribution.

D. The key design and tolerances shall permit the cutting of keys with standard code or duplicating machines. The requirement for a single-purpose or keyway-specific cutting or duplicating machine shall not be allowed.

E. The key design and tolerances shall permit the use of keys and cylinders in existing key systems having similar keyways and sections.

F. Provide 6 masterkeys for each masterkey set. Provide 2 change keys for each lock. Provide 2 control keys for core removal. Stamp keys "DO NOT DUPLICATE".

G. Key blanks shall only be shipped to end-user locations upon written documentation from authorized purchasing personnel and for specified number of keys only.

H. Submit proposed keying schedule to Architect. If requested, meet with Owner and Architect to review schedule.

I. Deliver all permanent key blanks and other security keys direct to Owner's representative from SARGENT Manufacturing via secure courier, return receipt requested. Failure to properly comply with these requirements may be cause to require replacement of all or any part of the cylinders and keys involved as deemed necessary at no additional cost to the Owner.

Finish Ordered	Plug/Shell	Cylinder Housing (Mortise/Rim)
03	04	03
04		04
09		09
10		10
10B		10B
10BE		10BE
722		722
14	15	14
15		15
26		26
26D		26D
32		32
32D		32D
WSP		WSP
BSP		BSP

HOW TO ORDER

Options are used to identify optional features which are added or part of a SARGENT product.

XC Cylinders are available by specifying 11- prior to the product description.
Mortise example: 11-8226 LNL x 32D and
10 Line example: 11-10G05 LL x 32D, etc.

XC- Cylinders are also available as Bump Resistant by specifying BR-11-.
Mortise example: BR-11-8237 LNL x 32D and
10 Line example: BR-11-10G05 LL x 32D, etc.

If other options are being ordered, list options in numerical order: 11-73-7P-10G05, 11-21-8226 x 32D, etc.

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Master Key System Order Forms

Master key leadsheets and order forms are informational documents that provide key system set-up details for the factory to design and process master key system requests. These documents can be accessed here, via the website or by calling the key records dept at 800-727-5477.

Master Key Order Leadsheet

Note: Only One Leadsheet/Key System Per Purchase Order

Distributor Name:_____

P.O. # _____

Job Name* (will be used as the Key System Name on file): _____

*REQUIRED

End User Name: _____

Address: _____

City: _____ State: _____ Zip: _____

(1) SYSTEM STATUS

❑ New (SARGENT Generated); Please complete System Design Section 2 below and identify Future Cylinder Features required in Section 7

❑ Field-Specified Bittings; Field-Specified Bittings must be attached if your order needs to be keyed to specific bittings

❑ Existing. Please complete one of the following:

Registry Number*: _____

TMK Bitting & Keyway: _____

Prior SARGENT Order Number*: _____

*Used to locate keying information ONLY. All other order requirements must be identified in sections below.

(2) SYSTEM DESIGN LAYOUT (New Systems ONLY) - Select Level & Indicate Future Requirements
Click here for System Design Layout example

Please note, this section is for system layout only. Please provide estimated number of keys for future expansion. For cut key quantities, please refer to section 6.

❑ Level 4 GGMK		❑ Level 3 GMK		❑ Level 2 MK	
# of Grand Masters under Great Grand Master		# of Masters under the Grand Master		# of Changes under Master	
# of Masters under each Grand Master		# of Changes under each Master			
# of Changes under each Master					

❑ 5-Pin System ❑ 6-Pin System (Default) ❑ 7-Pin System

Additonal Information (Please complete the following if your system will have Sub-Master level or SKDs)

❑ SubMaster Keying Level Required: See Keying Notes Attached

# of SubMaster Keys under each Master _____

# of Change Keys under each SubMaster _____

❑ SKD's No of Different SKDs: _____

(3) SYSTEM TYPE (Required for New Systems only)

❑ Conventional (Sargent Std, includes Signature) ❑ Degree ❑ KESO ❑ SFIC (Best)

Note: Select Future Cylinder Features required in Section 7.

Conventional (Non-removeable Core, LFIC (prefix 63), XC (prefix 11), Signature (prefix 10)); Degree (prefixes DG1, DG2, DG3); Keso (prefixes 82, 83); SFIC (prefixes 73, 11-73).

(4) KEY WAY (Only required if you need a specific keyway)

Keyway Selection: SARGENT Manufacturing will assign keyways unless specified otherwise below.

❑ Customer Specified Keyway _____

Use of Restricted Keyways (A, B, G, V, K, N and 4B) have to be pre-approved by SARGENT Key Records.

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90106 08/25

SARGENT®
ASSA ABLOY

PRODUCT CATALOG

Keso F1 High Security Cylinders

Experience a safer
and more open world

Specification

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SARGENT KESO F1- SECURITY SYSTEM

The Proprietary Key System

The system offers the building owner full control over duplication of keys, highly pick-resistant cylinders, expanded levels of masterkeying and many more safe day key changes. The SARGENT Keso F1 Security System is available for all SARGENT mortise locks, key-in-knob 8 Line, 9 Line, key-in lever 10 Line, 11 Line, 80 Series and 90 Series exit devices. Removable core and construction core cylinders are included in the system as well. Non-removable core mortise and rim cylinders are available in a UL437 version.

Patent pending and/or patent www.assaabloydss.com/patents

SARGENT will continue to offer and support the original Keso cylinder and keys, but we encourage users to easily upgrade their systems by integrating Keso F1 into their system. The Keso F1 is an enhanced and patented version of the original Keso. All SARGENT products offered with the Keso F1 are still available with the original Keso cylinders and keys. To order the original Keso, simply leave off the F1- prefix, as specified in this catalog.

Special Note: The Keso F1 keys will operate Keso F1 cylinders and existing Keso cylinders, but existing Keso keys will NOT operate F1 cylinders.

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⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

Features, Benefits and Applications

FEATURES AND BENEFITS

The SARGENT Keso F1 Security System offers the building owner full control over field duplication of keys, highly pick-resistant cylinders, expanded levels of master keying and a proprietary patented key system. With the Keso F1 cylinder, it is impossible to determine the configuration of the key system or its upper level master keys by examining the pinning configuration, providing the highest level of key system security available on the market today!

The Keso F1 cylinders incorporate the same unique 12 pins as in the time-proven Keso product line along with advanced patented features. These features are compatible with existing Keso key systems. Existing Keso users can integrate F1 products into their systems in order to regain control of master keying quickly and effectively.

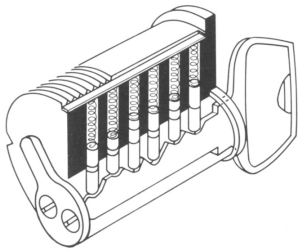
F1 keys will operate existing Keso cylinders, but existing Keso keys will not operate Keso F1 cylinders.

The Keso F1 cylinder has 12 pins located in 3 rows on 3 intersecting axes, making it virtually impossible to gain access through manipulation. The position of the pin holes and the length of the pins in each row vary. While maintaining the 3 banks of pins, the Keso F1 product adds an additional dimpling dimension to the key blank offering a greater range of both change and master key combinations. This greatly expands master keying capabilities to both new and existing end users.

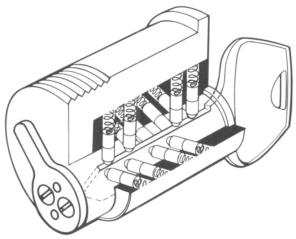
The F1 key is symmetrical and reversible. The dimpled key requires sophisticated key-cutting equipment. The unique 6-sided F1 key is not warded or cut away and therefore much stronger than a conventional key. This makes it an ideal choice for highly abusive applications. Each keying system has its own unique combination of key pin lengths and positions. There is never a chance of one keying system duplicating another.

Keso F1 UL437 versions provide a maximum level of pick and drill resistance. Perfect for any high abuse application that requires strict key control and resistance to vandalism. UL437 versions are available for mortise and rim cylinders.

Conventional Cylinder



Keso F1 Cylinder



Strength & Durability

- Cylinder has 12 pins unlike most cylinders with only 6 pins
- Unique 6-sided dimpled key is much stronger than warded keys
- Precise manufacturing and the absence of splits makes the cylinder highly pick-resistant

Convenience

- Compatible with existing non-patented Keso key systems
- UL 437 version available for mortise and rim cylinders
- Key is symmetrical and reversible
- Removable core versions available
- Temporary Construction core available
- Cylinders stamped with registration and key number concealed as standard

Flexibility

- Up to 7 levels of master keying available
- 100,000 different key pin patterns available within any one installation
- Keso F1 cylinders can be retrofitted to original Keso cylinders
- Keso F1 key will operate existing old style Keso cylinders

Security

- Patented protection for both key and cylinder
- F1 keys can not be legally duplicated
- Owners' authorization required for any F1 keys/locks
- Pick resistance
- Impossible to determine configuration key system by examining pinning configuration
- Every key stamped with the key system registration # and with key #
- Keysets also optionally available to be stamped on keys

Applications

- Government Buildings
- Police Stations
- Hospitals
- Schools
- Colleges
- Detention Centers
- Psychiatric Wards
- Any high abuse application that requires strict key control and resistance to vandalism

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Mortise Type Cylinders

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MORTISE TYPE CYLINDERS

F1-70 Series Mortise Type Cylinders

Brass, bronze and stainless steel

Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 32, 32D, BSP, WSP

Cylinder plugs/barrels are available in the following finishes: 04, 15, or BSP.

Consult individual catalogs/parts pages for collar options ordered separately.

Hotel or 50 function: Mortise locks require a 50 Function cylinder and a 50 Function cam (115 Cam). The cylinders for the hotel/50 function mortise locks are specified with a 115 cam suffix.

Optional short cams (105 cam) are required for the inside cylinder of 16 and 92 function Mortise locks and are specified with a 105 cam suffix.

When no cam is specified, the SARGENT standard offset cam (p/n 13-2563) will be supplied (see page 10 for cam options).

- To order with hardware, specify F1-82-
- Example: F1-82-8243 x LNL 32D

Note: Use a 50 function to designate a mortise lock hotel functions.

F1-170 Series Removable Core Mortise Type Cylinders

Brass, bronze and stainless steel

Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 32, 32D, BSP, WSP

Core supplied in either 4 or 26D finish. Consult individual catalogs/parts pages for collar options ordered separately.

A different, shorter #105 cam (p/n 13-2522) is required for the inside cylinder of 16 and 92 function Mortise locks. Inside cylinders, when ordered without hardware, for 78/8216 & 92 functions are to be specified with the 105 Suffix.

Removable core cylinders are not available for hotel function Mortise locks (50 Function). When no cam is specified, the SARGENT offset cam (p/n 13-2563) will be supplied.

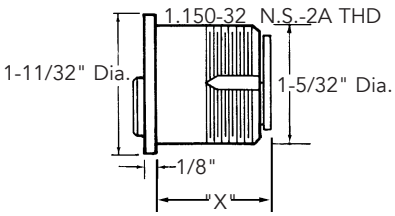
The cam is directly attached to the core. Only SARGENT standard offset cams (13-2563), 78/8216 function inside 105 cam (13-2522) and ADAMS RITE 101 cam (13-2521) are available on the removable core series.

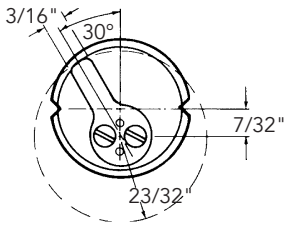
- To order with hardware, specify F1-83-
- Example: F1-83-8205 x LNJ 32D

How to Order Keso F1 Mortise

Mortise Cylinder Lengths	Keso F1 Mortise Cylinder with a Standard Cam	50 Function Keso F1 Cylinders with a Hotel Cam (70-115 Cam)	Keso F1 I/S Cylinder for 78/8216 & 92 Functions with a 105 Cam
1-1/8"	F1-71	N/A	F1-71-105
1-1/4"	F1-72	F1-72-115	F1-72-105
1-3/8"	F1-73	F1-73-115	F1-73-105
1-1/2"	F1-74	N/A	F1-74-105
1-3/4"	F1-76	N/A	F1-76-105

F1-70 Series Cylinder





Standard cam
13-2563 cam shown

How to Order Keso F1 Removable Core Mortise Cylinders and Cores

Mortise Cylinder Lengths "X"	Keso F1 Removable Core Mortise Cylinders with a Standard Cam	Keso F1 Removable Core with Standard Cam (Core Only)	Keso F1 Removable Core Mortise Cylinders for 78/8216 & 92 Mortise Functions (Inside) with a 105 Cam	Keso F1 Removable Core with a 105 Cam, for 78/8216 & 92 (inside) Mortise Function (Core Only)	84-Keso Removable Construction Core Mortise Cylinders with Standard Cam	84-Keso Removable Construction Core Mortise Cylinder with a 105 Cam, for 78/8216 & 92 (inside) Mortise Function	Mortise Housing Less Core	Mortise Construction Core Only
1-1/8"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1-1/4"	F1-172	F1-5172	F1-172-105	F1-5172-105	84-172	84-172-105	072	5472
1-3/8"	F1-173	F1-5173	F1-173-105	F1-5173-105	84-173	84-173-105	073	5473
1-1/2"	F1-174	F1-5174	F1-174-105	F1-5174-105	84-174	84-174-105	074	5474
1-3/4"	F1-176	F1-5176	F1-176-105	F1-5176-105	84-176	84-176-105	076	5476

Notes:

- A Keso F1 Removable Core is determined by the Keso F1 Core, not the housing. Therefore, the 84- is a non F1- product. The housings for Keso F1- 83- and 84- are the same housings.
- 84-Removable Construction Core Cylinders are for temporary use and are NOT available in Keso F1. Once construction is completed the Keso F1-83- Removable Cores will be installed (78/8216 & 92 Functions require the 105 Suffix).
- Keso F1 Removable Core Cylinders are not available for 50 Function Hotel Locks.

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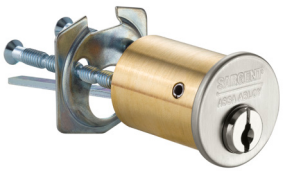
Rim Type Cylinders

RIM TYPE CYLINDERS

F1-64 Series Rim Type Cylinders



Brass, bronze and stainless steel

Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 32, 32D, BSP, WSP

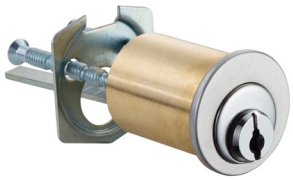
Cylinder plugs/barrels are available in the following finishes: 04, 15, or BSP.

For use with SARGENT Exit Devices.

When ordered separately, cylinders will be furnished with "Break-off" screws and back plate. Consult individual catalogs/parts pages for collar options ordered separately.

- To order with hardware, specify F1-82-
- Example: F1-82-8804 x ETL 32D

F1-164 Series Rim Type Removable Core Cylinders



Brass, bronze and stainless steel

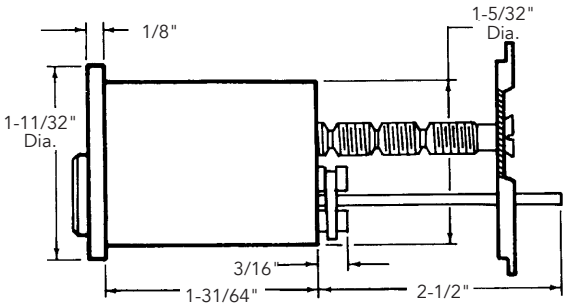
Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 32, 32D, BSP, WSP

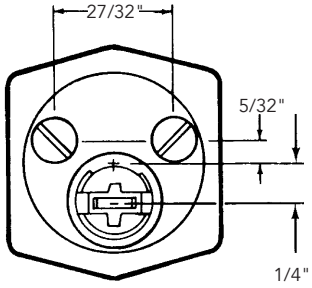
For use with SARGENT Exit Devices. Use 84- Prefix when construction keying is needed.

When ordered separately, cylinders will be furnished with "Break-off" screws and back plate. Consult individual catalogs/parts pages for collar options ordered separately.

- To order with hardware, specify F1-83-
- Example: F1-83-8804 x ETL 32D

Note: The rim cylinder less core would be ordered as 064 x finish. Collars, rosettes, back plates p/n 13-0086 and screws p/n 13-0074 are to be ordered separately.





How to Order Keso F1 Rim Cylinders Separately

Door Thickness without Trim	Keso F1 Rim Type Cylinder	Keso F1 Rim Type Removable Core Cylinders	Keso F1 Rim Type Removable Cores Only	84-Keso Rim Type Removable Construction Core Cylinders	Keso Rim Cylinder less core (screws and back plates to be ordered separately)
1-3/4" to 3-1/8"	F1-64	F1-164	F1-5164	5464	064

Notes:

- A Keso F1 Removable Core is determined by the Keso F1 Core, not the housing. Therefore the 84- is a non F1- Product. The Housings for Keso F1- 83- and 84- are the same housings.
- 84-Removable Construction Core Cylinders are for temporary use and are NOT available in Keso F1. Once construction is completed the "permanent" Keso F1-83- Removable Cores can be installed.
- Keso F1 Removable core rim housings are available less core. Order as p/n 064 x finish. Mounting screws p/n 13-0074 and back plate p/n 13-0086 are to be ordered separately if needed.

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Key-In-Knob/Lever Cylinders

KEY-IN-KNOB/LEVER CYLINDERS

Many designs and functions in the 8, 9, 10, 10X and 11 Line can be furnished with SARGENT Keso F1. Finishes: 04, 15, and BSP.

Note:

1) Conventional key-in-knob and lever lock cylinders can be changed to SARGENT Keso F1 Security System by replacing the complete cylinder assembly.
2) Present Keso Systems can be upgraded to the Keso F1- System.

For information regarding available designs, functions and finishes, refer to the particular Bored Lock Catalog for the product in question.

8 and 9 Line Key-In-Knob Lock Cylinders*	10X and 11 Line Lock Cylinders	8 and 9 Line Key-In-Knob Lock Removable Cylinders*
F1-82-C8-1	F1-82- Prefix Keso F1 Cylinder F1-C11-1	F1-83-C8-1 shown

How to Order Keso F1 Cylinders for 7, 10X & 11 Line Locks

*8 and 9 Line locks are discontinued. Replacement cylinders are still available.

Keso F1	Keso F1	Keso F1
All 7 & 10X Line Functions Cylinder Only: F1-82-C10-1 With Lock: F1-82-10G37 x GL x 26D x LH	**All 11 Line Functions Except for the 50 Function** Cylinder Only: F1-82-C11-1 With Lock: F1-82-11G05 x LL x 26D x RH	**All 10X Line Functions Except for the 50 Function** Cylinder Only: F1-82-C10X-1 With Lock: F1-82-10XG05 LL x 26D x RH

Notes:

- Keso F1 Cylinders for hotel (50) functions are not available 10X and 11 line locks.
- 7 Line Locks are not available with Hotel (50) function.
- Removable Core Cylinders are NOT available for 7, 10X or 11 Line locks.
- SARGENT Keso F1 Systems are available with L, P and B Levers.

How to Order Keso F1 Cylinders for 8 & 9 Line Locks*

F1-82-Keso Cylinder for all 8 & 9 Line Functions Except for the 50 Function	F1-82-Keso Cylinder for all 8 & 9 Line 50 Functions Locks Only	F1-83-Keso Removable Cylinder for 8 & 9 Line all functions Except for the 50 Function	84-Keso Cylinder for all 8 & 9 Line Functions Except for the 50 Function
Cylinder Only: F1-82-C8-1	Cylinder Only: F1-82-C8-2	Cylinder Only: F1-83-C8-1	Cylinder Only: 84-C8-1

*8 and 9 Line locks are discontinued. Replacement cylinders are still available.

Notes:

- 84-Removable Construction Cylinders are for temporary use and are NOT available with Keso F1 feature as once construction is completed the Keso F1-83- Cylinders will be installed.
- 50 Function/Hotel is not available with removable core.

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Removable Cores / Construction Keying and General Information

KESO F1-83- REMOVABLE CORE AND KESO 84- REMOVABLE CONSTRUCTION CORE CYLINDERS

The SARGENT Keso 84- security removable construction core system protects the security of an owner's masterkey system during the time of building construction. It is in use throughout the construction period in lieu of the permanent masterkeyed cores. This prevents the permanent system keys from becoming available to unauthorized people. Upon completion of the building, the temporary construction cores and all keys (day and control) for the construction core system become inoperative.

Removable construction core cylinders are available for SARGENT mortise locks, 8 and 9 Line (except for 50 function) and exit devices with mortise and rim cylinder only.

SARGENT Keso 84- temporary removable construction cores are designated by:

- Brown oxidized finish on cylinder sleeves
- Cylinder barrels with 1/8" diameter hole drill point in upper right hand area of barrel head
- All keys are stamped "CONST"
- All removable construction cores will be keyed alike in one KA set and furnished with 6 keys and 1 control key. These are packed separately and shipped to distributor for delivery to general contractors. Additional keys supplied upon request.

When the construction core system is to be used, the order must be entered with an individual item number for each key lock. Where room or opening numbers are shown on the plans, this information should also appear with each lockset. Each removable construction core system will be supplied with a total of 6 day keys and 1 control key, unless specified otherwise.

All key locks ordered will be shipped with temporary removable construction cores. To order, prefix the lock number with 84 (Example: 84-8205). A separate order for permanent cores, with all necessary keying information and item numbers for identification purposes, should accompany the lockset order. Upon proper authorization, the permanent cores will be shipped directly to the distributor and not to the job site.

For ordering permanent cores, refer to pages 4, 5 and 6. It will be the distributor's responsibility to:

- Deliver all permanent cores to the job site
- Remove all temporary construction cores and insert permanent cores
- Inspect each lockset to ensure that all permanent cores are operating satisfactorily
- Deliver to building owner all day, master and control keys for the permanent system
- Return all temporary construction cores to SARGENT in New Haven on a regular return goods authorization

All locksets ordered with removable construction core cylinders will be invoiced at the regular price established for prefix 83. A separate invoice will be issued to cover the permanent cores at prices listed for removable cores. Upon return of temporary removable construction cores to SARGENT, a credit will be issued covering the quantity of cores returned at the prices listed for construction cores.

84- Removable Construction Core Cylinders

To order cylinders only (housing & core), specify as follows:

Mortise – Add prefix 84- to removable core cylinder number **(Example: 84-172)** Not available for 50 function (See Chart on Page 4).

Rim Type – Add prefix 84- to removable core cylinder number **(Example: 84-164)** (See Chart on Page 5).

Removable Cores Only, Mortise and Rim Type

To order, see charts on Pages 4 and 5.

Removable Construction Cylinders

To order cylinders only:

8 Line, 9 Line – Specify as **84-C8-1** (all functions except 50) (See Chart on Page 6).

To order permanent removable cylinders for 8 Line, 9 Line - Specify as **F1-83-C8-1** (See Chart on Page 6).

TAMPER PROOF PACKAGING

For the highest level of security for the end user, Tamper Proof Packaging is used on all Master Keys, Signature key blanks and all restricted key blanks. This heat sealed shrink wrap identified with "SARGENT Sealed For Your Security" provides assurance of the integrity of the factory generated key system.

GENERAL INFORMATION

Interchangeability
Mortise and rim type SARGENT Keso F1 Security System cylinders are interchangeable with conventional SARGENT cylinders currently in use. SARGENT Keso F1 Security System cylinders for key-in-knob 8 and 9 Line can be substituted for conventional cylinders in use by changing the cylinder knob assembly. When ordering replacement cylinder knob assemblies for 8 and 9 Line, consult current catalog offering and specify function, trim and finish.

Removable core cylinder for hotel functions
Removable core cylinders are not available for hotel function in any lock line.

Control keys for removable core systems
It is recommended that a removable core system utilize the minimum number of locks possible under any single control key. The most secure condition would be for one control key to operate one lock. A control key allows access to the cylinders to which it is keyed and should be safeguarded in the same manner as a masterkey. All orders for removable core systems must clearly state the keying level at which the control key will operate.

Masterkey Shipments
Masterkeys specified in the original order are shipped to the SARGENT distributor for delivery to the building owner. Upon delivery, the building owner will be required to sign the Masterkey Receipt Card (Form G831). The completed card must bear an authorized signature, as it appears on the Signature Authorization Card (Form G825), and then must be returned to SARGENT Manufacturing Company by the distributor.

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Padlocks and Cabinet Locks

HOW TO ORDER:

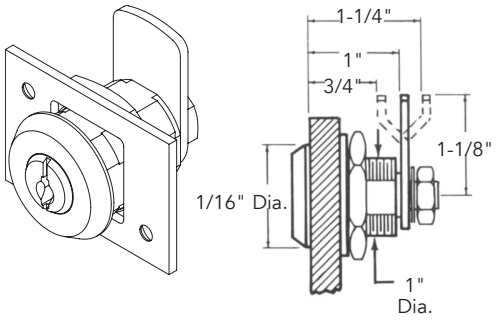
Padlock No. F1-82-856 and F1-82-857

- 856 - Non key retaining. Key can be removed while unlocked and relocked without key.
- 857 - Key retaining. Key removable in locked position only.
- Same security as offered in other Keso Security System locks. Can be masterkeyed with all locks in the system.
- Positive deadlocking construction – none of the springs can be forced.
- Two stainless steel balls lock shackle. Forcing of shackle increases locking action.
- Available with standard stainless steel or optional hardened steel shackle.
- Brass case.
- Weather Shield Kit included (standard).

Specifications
Removable core not available.

Padlock Number	Description
F1-82-856	Stainless steel shackle
F1-82-856C	Stainless steel shackle and 9" chain
F1-82-856HS	Nickel plated hardened steel shackle
F1-82-856HSC	Nickel plated hardened steel shackle and 9" chain
F1-82-857	Key removable in locked position only
Body	Solid brass, resists corrosion satin brass finish
Case Dimensions	2"x 2"x1-1/8"
Shackle	Stainless standard or optional hardened steel, nickel plated
Shackle Diameter	11/32" for HS suffix
Shackle Clearance	1" standard; 2-1/2" and 4" clearance available
Chain	9" for C suffix

Cabinet Lock No. F1-4252



Finishes: 3, 4, 10, 26, 26D

For Drawers: Up to 3/4" thick

Cylinder: Keso F1 Security System.
Can be masterkeyed with all other Keso locks in the system.

Reversible: Right or left hand

Cam: Steel, flat (order as F1-4252) or
1/4" offset (order as F1-4252-2)

Mounting Plate: Furnished with screws for mounting to wood or metal drawers. Can be brazed to metal doors.

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UL437 Keso F1 Security System Cylinders

HOW TO ORDER:

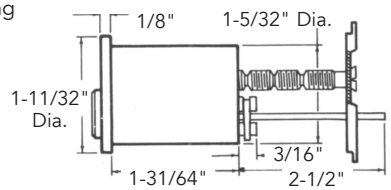
UL437 Listed Keso F1 Security System Cylinders

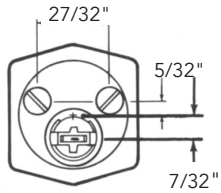
- UL437 Listed cylinders have the same basic construction as standard SARGENT Keso F1- Security System cylinders with additional pick and drill resistant features.
- UL437 Listed Cylinders are ordered separate from hardware.
- These UL437 Listed cylinders contain additional hardened steel pins that may not be compatible with existing key systems. Consult SARGENT Key Records Department for compatibility. Generally, U.L. Listed cylinders can be keyed into the total system if the requirement is known at the time the system is established.
- U.L. performance tests are specified in standards for safety – Key locks (U.L. 437, First Edition, Underwriters Laboratories, Inc., Chicago, Illinois) as follows:
  - "The lock cylinder shall resist for at least ten minutes any of the following or other tests suggested by study of the design. Recognized lock experts may be called in to assist in these tests."
  - "The cylinder shall resist aligning the tumblers and opening the lock by means of picking tools."
  - "The cylinder shall resist drilling the plug or body of the cylinder, releasing the tumblers, and opening the lock."
  - "The cylinder shall resist opening the lock by forcing a small cold chisel or screw driver into the key slot and applying rotary force with a pair of pliers or a wrench."

F1-4264 Rim Cylinder

Listed in Underwriters Laboratories, Inc. Burglary Protection Equipment List under locking cylinders (241 012)

Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 32, 32D, BSP, WSP

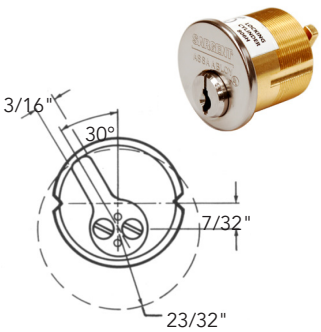


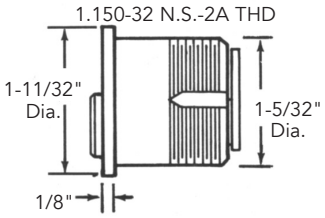


No. F1-4264 are furnished with "Break-off" screws and back plate. Break-off screws are located above horizontal centerline, same as standard No. 64 cylinder. For use with SARGENT exit devices.

F1-4270 Series Mortise Lock

Listed in the Underwriters Laboratories, Inc. Burglary Protection Equipment List under locking cylinders (241 012)
Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 32, 32D, BSP, WSP



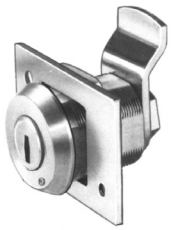


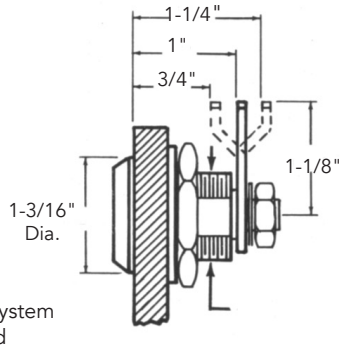
Nos. F1-4271, F1-4272, F1-4273, F1-4274, F1-4276
Diameter of cylinder under cylinder head: 1-5/32"

F1-4252 Utility Lock

Listed in Underwriters Laboratories, Inc. Burglary Protection Equipment List under locking cylinders (241 012)

Finishes: 03, 04, 09, 10, 10B, 10BL, 20D, 26, 26D, BSP





For Doors: Up to 3/4" thick
Cylinder: Keso F1 Security System
Reversible: Right or left hand
Cam: Steel, flat (order as F1-4252) or 1/4" offset (order as F1-4252-2)
Mounting Plate: Furnished with screws for mounting to wood or metal doors. Can be brazed to metal doors.

How to Order F1-4270 Series Mortise Cylinders

Mortise Cylinder Lengths	1-1/8"	1-1/4"	1-3/8"	1-1/2"	1-3/4"
Series F1-4270 Cylinder	F1-4271	F1-4272	F1-4273	F1-4274	F1-4276

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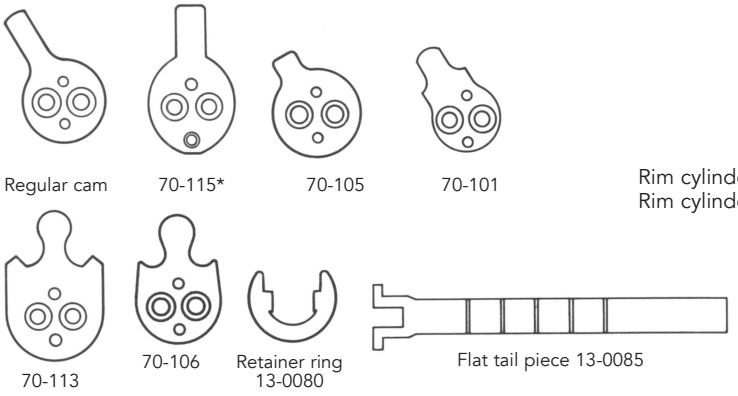
Cams for Keso F1 and Keso Security Cylinders

CAMS FOR KESO F1 AND KESO SECURITY CYLINDERS

Listed below are the cams available for Keso F1 and Keso Security System cylinders. There are four special cams for cylinders used with other manufacturers' locks. Since there may be several cam variations within one manufacturer's lock line, a thorough check of all lock functions should be made whenever Keso F1 and Keso Security System cylinders are being considered for use in other manufacturers' locks.

Cam description	Application	Order # For Complete Cyl. Assembly With Cam	Cam Part # When Ordered Separately
Regular Cam (Std)	F1-82-71 thru F1-82-76, F1-83-172 thru F1-83-176 71 thru 76 and 172 thru 176	F1-82-71 thru F1-82-76, F1-83-172 thru F1-83-176 82-71 thru 82-76 and 83-172 thru 83-176	Std (No Suffix) (13-2563)
Vertical Hotel Cam (Cam Suffix -115)	F1-82-(72-115, 73-115) Note these cylinders have limited key rotation and are only for use in Sargent 78/8250 locks	F1-82-72-115, F1-82-73-115, 82-72-115 & 82-73-115 for only in 78/8250 functions	13-2283 (115 Cam*)
Short Offset Cam (Cam Suffix -105)	Inside cylinder cam for Mortise Functions 16 and 92	F1-82-71-105 thru F1-82-76-105 & F1-83-172-105 (Cam Suffix -105) thru F1-83-176-105, 82-71- thru 82-76-105 & 83-172-105 thru 83-176-105	13-2522 (105 Cam)
70-101 and 170-101 Offset Cams	Adams Rite MS1850 series locks only. Packed standard with #90-1/8" blocking ring	F1-71-101 thru F1-76-101, F1-172-101 thru F1-176-101	13-2521 (101 Cam)
70-113 Vertical Cam (Cam Suffix -113)	Cam used with 4370 Series Key switches	F1-82-71-113 82-71-113	13-2519 (113 Cam)
70-106 Cam (Cam Suffix -106)	70 Series mortise cylinders for Schlage "L" mortise lock	F1-82-71-106 thru F1-82-76-106 71-106 thru 76-106	13-0939 (106 Cam)

Keso F1 and Keso cylinder cams can only be used with Keso cylinders.
These cams cannot be used with conventional SARGENT mortise cylinders.
170 Series removable core cylinders are only available for use in SARGENT hardware, except the Adams rite locks listed above.
The following cams can only be used in removable core: -105, -101, -104 and the regular cam 13-2563.
* The 115 cam is unique and only fits the limited rotation hotel function cylinder



Rim cylinder back plate p/n 13-0086 not shown
Rim cylinder screws 13-0085 not shown

ORDERING FORMS

Orders for the SARGENT Keso F1 Security System are handled on a special priority basis and are closely controlled, not only to expedite shipments, but to protect the security of each installation. These three forms are utilized in the ordering procedure.

Signature Authorization Card, Form No. G825
Form G825 is the control card for ordering the SARGENT Keso F1 and Keso Security System. It is to be completed and signed in duplicate. The SARGENT distributor will keep one copy and the second copy will accompany the initial order for the system. When received in New Haven, CT., it will be kept in a locked file for subsequent authenticating purposes. Only those orders bearing one or more of the signatures on this card will be honored.

Authorization For SARGENT Keso F1 Security System, Form No. G826
This form is to be used by the building owner, or his agent, in ordering the SARGENT Keso F1 Security System for additions to an existing system. It is to be completed by the owner or agent and forwarded to the authorized SARGENT Distributor. Completed forms must bear an authorized signature.

SARGENT Keso F1 and Keso Security System Key order, Form No. G827
The key order form is used for ordering additional or duplicate keys for a system. The form is completed by the building owner, or his agent, and an authorized signature must appear on it. The form is forwarded by the building owner to the authorized SARGENT Distributor.

All forms are available only through authorized SARGENT Distributors.

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Field Maintenance, Keso F1 and Keso Service Center and Shipping Schedules

FIELD MAINTENANCE OF KESO F1 AND KESO SECURITY SYSTEM CYLINDERS

Proper maintenance of lock cylinders will insure longer life for the SARGENT Keso F1 and Keso Security System and will eliminate potential cylinder malfunctions. Preventive maintenance, performed on a continuing basis, is simple to do and requires no technical knowledge. It is accomplished with a dry film lubricant in the cylinder chamber through the keyway opening. It is not necessary to remove either the lock or cylinder from the door, the keyway is directly exposed in all cases.

While all cylinders should be lubricated once a year, cylinders with a high usage frequency should be lubricated every sixty days. Exterior cylinders which are exposed to dust, dirt and extreme weather conditions should be serviced with dry film lubricant every sixty days.

The proper lubricant is important. It is our recommendation that only a dry film lubricant is used. The use of oil, grease or similar substances should not be used in lock cylinders.

KESO F1 AND KESO SECURITY SYSTEM SERVICE CENTER

A service center has been established in the factory to process orders in the following three categories:

1. Repair or replace inoperative Keso F1 and Keso Security System cylinders and keys.
2. Supply additional keys for existing key systems.
3. Furnish new cylinders for existing key systems. This service is limited to quantities of twelve cylinders or less.

Service Center Delivery Responsibility

Orders for repair of cylinder in quantities of twelve or less will be shipped within three working days after receipt of order. A delivery date will be available from the factory for cylinders in quantities greater than twelve.

Distributor Responsibility

1. Orders for repair and replacement of inoperative cylinders should be mailed to Sargent Manufacturing Company, ATTN: Keso Dept 30, 100 SARGENT Drive, New Haven, CT 06511. A day key should accompany any cylinder returned for repair to insure proper diagnosis. A statement regarding the malfunction should also be included. The service center has been established to service owners of KESO Security Systems through authorized distributors only and not on a direct basis with building owners.
2. Key orders should be mailed to Sargent Manufacturing Company. Authorization Form G827 bearing an authorized signature must accompany all orders for additional cylinders.
3. Orders for twelve cylinders or less keyed to an existing system should be mailed to Sargent Manufacturing Company. Authorization Form G826 bearing an authorized signature must accompany all orders for additional cylinders.

Information required to insure prompt and efficient handling of your service orders:

1. Job name
2. Original SARGENT order numbers
3. Key number
4. Registry number (last four digits on key)

SHIPPING SCHEDULES

For existing installations

Orders for additional keys for existing systems will be filled within 48 hours after receipt of order in quantities of twenty-five keys or less. Orders for more than twenty-five keys will require an additional 24 hours for each increment of fifty keys or less **(Example: 150 keys would require five working days).** Orders for additional new cylinders for existing key systems in quantities of twelve or less will be shipped within fifteen working days after receipt of order.

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How to Order

COMPLETE LOCKSETS (MORTISE, RIM TYPE AND KEY-IN KNOB CYLINDERS)

How to Order Keso F1 Cylinders for SARGENT Mortise Locks, Exit Devices and Bored

	Keso F1 Cylinders	Keso F1 Removable Core Cylinders	Keso F1 Removable Construction Core Cylinders
How to Order	F1-82-	F1-83-	84-
Example: 8205 LNL 26	F1-82-8205 LNL 26	F183-8205 LNL 26	84-8205 LNL 26
Example 8813xETL 10B LHRB	F1-82-8813xETL 10B LHRB	F1-83-8813xETL 10B LHRB	84-8813xETL 10B LHRB

Notes:
- All Keso F1 products listed are offered with both the F1- Option and the Non F1- Option. To order the non F1- Option, simply leave off the F1- Prefix when ordering.
- SARGENT will supply the correct cylinders based on function, door thickness and prefix requested.
- When ordering cores or cylinders, specify keying requirements.

KEYS

F1 master keys order by catalog # F1 K372 MK
F1 Day keys order by catalog # F1 K372 CHK
F1 Control key or Emergency key for all locks except 8G50 order by catalog # F1 K372 CTL
F1 Mortise emergency key order by catalog # F1 K373 EMK
F1 8G50 emergency key order by catalog # F1 K374 EMK
84- Construction master key # 355CMK
84- Construction Control Key # 355CTL

KEY BLANKS

F1 Master and change key blanks order by catalog # F1-K376
F1 Control key blanks order by catalog # F1-K-375

Correct ordering number will consist of:
- **Complete Locksets:** Lockset number with prefix, design, hand and finish. **Example: F1-82-8245 LNL LH 3**
- **Cylinders Only:** Cylinder number, suffix (if any), and finish. **Example: F1-71-101 x 3**
- **Removable Cores Only:** Core number, prefix or suffix (if any), and finish. **Example: F1-5172-101 x 3**
- **Padlocks:** Padlock number, shackle clearance (if other than standard) and finish (if other than standard). **Example: F1-82-856 2-1/2" 26D**
- **Utility Locks:** Lock number and finish. **Example: F1-4152 15**

Prefix Designations

82-	Keso Security Cylinder
F1-82-	Keso Security Cylinder with Front Profile
83-	Keso Security Removable Core Cylinders
F1-83-	Keso Security Removable Core Cylinders with Front Profile
84-	Keso Security Removable Construction Core Cylinder (temporary use only)

Finish Ordered	Plug/Shell	Cylinder Housing (Mortise/Rim)
03	04	03
04		04
09		09
10		10
10B		10B
10BE		10BE
722		722

Finish Ordered	Plug/Shell	Cylinder Housing (Mortise/Rim)
14	15	14
15		15
26		26
26D		26D
32		32
32D		32D
WSP		WSP
BSP	BSP	BSP

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Architectural Specifications

SUGGESTED ARCHITECT'S SPECIFICATION

2.0 KEYING – Keso F1 SERIES

A. Cylinders and keys shall be SARGENT Keso F1 Series by SARGENT Manufacturing Company, New Haven, CT.

B. Each cylinder shall contain at least twelve key pins.

C. Cylinders shall not contain splits or master key pins.

D. Each keying system shall offer at least seven levels of master keying, and regardless of the level of master keying, there must be a minimum of 100,000 unduplicated, safe and usable key combinations available.

E. Provide high security removable core cylinders, with patented key control, for each lock with temporary construction cores. Permanent cores shall be installed upon completion of the project.

F. Cylinders shall meet the requirements of UL437.

G. Master key or Grand master key cylinders and key in groups, unless otherwise specified. Factory master key with manufacturer retaining permanent keying records.

H. Provide 6 master keys for each master key set. Provide 3 change keys for each lock. Provide 2 control keys for core removal. Stamp keys PATENTED.

I. Provide key list, in electronic format, for import directly into KeyWizard key control software.

J. Submit proposed keying schedule to Architect. If requested, meet with Owner and Architect to review schedule.

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90107 08/25

SARGENT®
ASSA ABLOY

PRODUCT CATALOG

Degree® Key System

Experience a safer
and more open world

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SARGENT®
ASSA ABLOY

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On The Cover

Degree Mortise Cylinder, Degree Key and Degree 6300 Series Core

⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

The Degree® Advantage

SARGENT
ASSA ABLOY

THE DEGREE KEY SYSTEM

The patented Degree system from SARGENT provides the right level of security for each opening in your facility. Three levels of ANSI/BHMA Grade 1 protection, from patented keyway to UL437 certified, secures every opening. A common key for all three levels of security enhances key control and simplifies administrative procedures. Key blanks are controlled through authorized distribution and geographical protection is available. Available for mortise, rim, component and Large Format Interchangeable Core (LFIC) cylinders, SARGENT offers the right Degree of protection for every door in your facility.

Benefits:

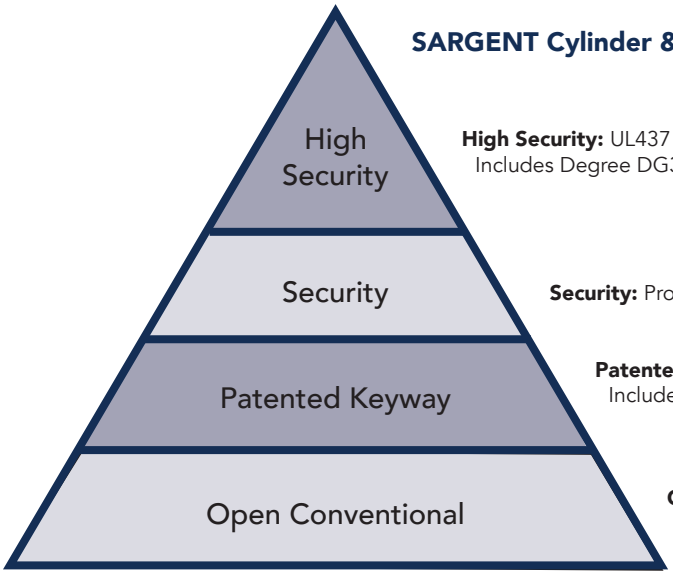
- Patent protection from unauthorized key duplication through 2027
- New keyway family protects system integrity from legacy systems
- Keys are significantly stronger than competitive systems
- User-friendly design with minimal components provides easy field service
- Availability in all existing SARGENT cylinder types provides cost-effective upgrade for SARGENT facilities
- Bump resistance for added protection

Degree Level 1 (DG1) features a utility patented keyway and provides protection against bumping for mortise, rim and component fixed cylinders. These cylinders easily retrofit into existing hardware and are appropriate for most applications. The keys for DG1 can only open DG1 cylinders.

Degree Level 2 (DG2) builds on the utility patented keyway of DG1 and adds patented side bar locking with unique angled bottom pins that provide end users with geographical exclusivity. Cylinders provide protection against bumping and picking. Because of its superior key control and patent protection until 2027, DG2 products are recommended for use in conjunction with DG3 for new installations or when retrofitting systems, including large format interchangeable core systems.

Degree Level 3 (DG3) combines the utility patented keyway and side bar locking with unique angled bottom pins that provide end users with geographical exclusivity, and adds certification to UL437. They are classified as high security because of their superior resistance to physical attack and protection against unauthorized key duplication. Because of its superior key control, patent protection until 2027, and physical strength, we recommend DG3 products for new high-security installations or when retrofitting systems, including large format interchangeable core systems. SARGENT also offers anti-vandal and high security locksets that complement DG3 cylinders for those openings most vulnerable to attack.

IMPORTANT: Sargent Degree Product is available with a "0" cut depth for DG1 systems only and it is not available for use in a DG2 or DG3 security level product. If there is a possibility to elevate the DG1 system to DG2 or DG3, any master keying expansion requests should be discussed with a Sargent Key Records team specialist.



SARGENT Cylinder & Key Control Products

High Security: UL437 Drill & Pick-Resistant Systems offer protection against physical attacks. Includes Degree DG3, and UL-Keso F1.

Security: Protection against picking. Includes Degree DG2, Signature and Keso F1.

Patented Keyway: Keys are protected against unauthorized duplication. Includes Degree DG1.

Open Conventional: Legacy systems whose patents have run out and are not protected.

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Specifications & Features

Form is required for all SimpleK Software orders.

	DG1	DG2	DG3
Utility patented until 2027	X	X	X
Key blank distribution restrictions	X	X	X
Geographic exclusivity		X	X
Bump resistant	X	X	X
Common style pins	X		
Unique angled bottom pins		X	X
Convenient, simple to service	X	X	X
New keyway family and keying specifications from previous SARGENT systems	X	X	X
Can be masterkeyed with all Degree levels and LFIC	X	X	X
Certified to UL437			X

PRODUCT SPECIFICATIONS

All cylinders shall be utility patented, bump resistant and require the use of a patented key. All cylinders shall be available in any of the mortise, rim, key-in-knob/lever, auxiliary locks, padlocks or large format interchangeable core types.

Degree offers three distinct security options from which facilities can select the appropriate degree of security for any door. Degree provides the ultimate in key control by simplifying ordering processes and by allowing the system administrator to determine the level of protection for system components. Additional specifications are found on page 22.

PRODUCT CERTIFICATIONS

ANSI/BHMA A156.5-2014 Grade 1

E09211 (Mortise)

E09221 (Rim)

E09231 (Bored Lock Cylinders)

BHMA CERTIFIED®

KEYING SPECIFICATIONS

Keying

- Degree is a factory-based key system
- 6 pin cylinders furnished with two nickel silver keys per cylinder. Degree cylinders may be furnished master keyed, or grandmaster keyed to a specific facility. Double cylinder lock sets keyed alike on both sides will get two change keys total
- Degree's one-key design allows the use of all three locking mechanisms within the same system to be operated with just one key
- Degree systems are independent and cannot be keyed into existing and/or conventional SARGENT master key systems
- Cross keying is not recommended. Keying Department Administration will review all requests and determine if compatible with a secured master key system

Note: DG1 systems using 7 depths of cut cannot be integrated with DG2 or DG3 systems.

APPLICATIONS

Degree is recommended for installations requiring patented key control protection including protection from picking and/or drilling, all available in one locking system. Degree is ideally suited for Educational and Healthcare facilities, Industrial and Commercial buildings.

UL 437 LISTED CYLINDERS

SARGENT DG3 cylinders* are UL437 Listed. UL437 sets the standard for both drilling and picking resistances.

These cylinders are manufactured to include hardened drill resistant inserts in both the plug/barrel and body.

UL437 High Security DG3 cylinders are recommended for doors most likely to be physically assaulted, while the use of standard DG1 and DG2 cylinders is more advantageous and less costly for interior doors.

* Note: DG3 cylinder offerings include mortise, rim and bored cylinders in conventional as well as Large Format Interchangeable Core

Patent pending and/or patent www.assaabloydss.com/patents

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System Administration

DEGREE SYSTEM ADMINISTRATION

All SARGENT Degree key systems must have a signed System Information Document (SID), located in the back of this catalog and available online, for each facility. The SID designates a primary systems administrator for the facility. Unless otherwise indicated by the primary systems administrator by way of a separate specific letter of authorization, all shipments for Degree product will go to the shipping address on the Systems Information Document.

All key blanks are to remain in the possession of the facility and must be accounted for. Any defective, incorrectly cut or damaged key blanks must be destroyed.

For Degree DG2 and DG3, specific randomized security codes will be required for each order unless the systems administrator opts out of this feature. For more information, see the Systems Information Document.

KEYWAY ADMINISTRATION AND ASSIGNMENT

All keyways will be noted on the master key system bitting list. SARGENT Keying Department Administration will assign all DG keyways. Keyways will be assigned according to facility type, geographic location and keying system specifications. All keys will ship directly to the end user.

All master key systems will be registered with Keying Department Administration and all bittings will be factory created.

KEY CONTROL

Key control will be maintained by using the SARGENT Keying Authorization Document. For a copy, contact Keying Department Administration or visit our web site at www.sargentlock.com. System information and/or systems related product will be forwarded directly to the owner, unless otherwise indicated by the owner's appointed administrator.

AUTHORIZED DISTRIBUTORS

SARGENT Degree is a system-based product and is provided through authorized distribution. An authorized distributor may stock and service products upon specific written authorization from the primary system administrator of the facility.

Authorized distributors who carry inventory for a specific facility's system must provide valid receipts and disbursements of all products, specifically key blanks/cut keys. All key blanks in the possession of an authorized distributor must be accounted for. Any defective, incorrectly cut or damaged key blanks must be destroyed.

Refer to pages 24 and 25 for a copy of the SID and more information.

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Mortise Cylinders

SARGENT
ASSA ABLOY

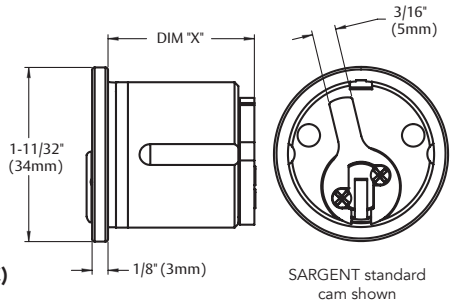
UL 437 LISTED CYLINDERS

For use with Mortise Locks, Exit Devices and Auxiliary Locksets

STANDARD DEGREE MORTISE CYLINDERS SUPPLIED WITH

- Solid brass, 6 pin cylinder, 1-5/32" (29mm) diameter
- T keyway family standard – see page 18 for available keyways
- Optional collars are offered and to be ordered separately, consult individual catalogs for more details
- Offset cam DG-0001 standard – see available cams on page 7
- Factory keyed

Mortise Fixed Core (FC)



SARGENT standard cam shown

OPTIONS

- Construction Master Keying (21- option)
  - Allows use of construction keys until change key voids operation
  - Ships with 6 master construction keys separate from change keys
- Removable Disposable Construction Core (60- option)
  - Operate with coin or flat screw driver
  - Easy installation
- Removable Core (63- option)
  - Control key releases locking cam for removal of core
  - Control keys ordered separately
- Removable Construction Keyed LFIC (64- option)
  - Furnished with 6 keys and 1 control key standard
  - Plug face dimpled for easy identification
- Unassembled Cylinder (65- Option)
  - DG1 and DG2 only
  - Includes two key blanks but no pins, springs or slide
  - When ordered with hardware, 65-DG cylinders are packed uninstalled with hardware
  - Available on existing systems only
- Exposed Plug only (78- option)
  - Exposed plug .560" (14mm) diameter
  - For use with trim LE3/LE4 & KE3/KE4; specify 78- only when cylinder is ordered less product
  - Supplied with standard offset cam DG 0001; optional cam 105 for use on inside of 7816/8216/9200 locks only
- Hotel function§
  - 7850 or 8250 hotel function mortise locks require a 50- cylinder where change keys and master keys have limited rotation that only allow latch bolt retraction
  - #115 cam supplied standard with 50 function hotel locks & cylinders
  - The #115 cam is supplied only with SARGENT 7850/8250 locks
  - Guest and Master keys will only retract the latch bolt but not project or retract the dead bolt
  - Emergency keys, ordered separately, retract or project the latchbolt and deadbolt (p/n DG7268 EMK)
  - Available in #43 (1-3/8") and #44 (1-1/2") cylinder lengths
  - Hotel function available with Large Format Interchangeable Core (63-), Plastic Disposable Temporary Core‡ (60-) & Construction Core‡ (64-)

§ *DG2 & DG3 cylinders are not available as Hotel function (50-)*

‡ *Note: 60- & 64- will retract Latch only, it will not retract the deadbolt*

LENGTH UNDER CYLINDER HEAD

Cylinder #	42	43	44	46
DIM "X"	1-1/4" (29mm)	1-3/8" (29mm)	1-1/2" (29mm)	1-1/3" (29mm)

DEGREE MORTISE CYLINDERS

Type	Degree Level	Cylinder Size	Cam(s)
Degree Mortise Cylinders	DG1-,DG2- or DG3-	41 (1-1/8"); 42 (1-1/4"); 43 (1-3/8"); 44 (1-1/2"); 46 (1-3/4")	Std, 101, 104, 105, 106, 112 & 113
Exposed Plug DG Mortise Cylinders (Specify 78-)	DG1-	41 (1-1/8"); 42 (1-1/4"); 43 (1-3/8")	Standard or 105
Hotel Function DG Mortise Cylinders (Specify 50-)	DG1-	43 (1-3/8"); 44 (1-1/2")	115 only

HOW TO ORDER DG SERIES MORTISE CYLINDERS LESS HARDWARE

Quantity	Options*	Cylinder Size	Cam	Key Set	Door#/Item#	Finish†
74	DG1-	41	Std	AA1		26D

* Available options for Degree Mortise Cylinders are: DG1-, DG2-, DG3-, 21-, 50-, 60-, 63-, 64-, 65- & 78-

HOW TO ORDER DG SERIES CYLINDER WITH HARDWARE (8200 MORTISE EXAMPLE)

Quantity	Options*	Cylinder Size	Cam	Key Set	Door#/Item#	Finish†
74	DG1-	41	Std	AA1		26D

** Available options for Degree Mortise cylinders ordered with hardware are: DG1- DG2-, DG3-, 21-, 60-, 63-, 64- & 65-
(78- cylinders are determined by the function or trim specified and are not specified when ordering)

† Finishes available: 03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, BSP, WSP
Note; Cylinder plugs/barrels are available in the following finishes: 04, 15, or BSP

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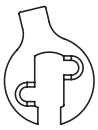
Cams for Mortise Cylinders

CAMS FOR DEGREE MORTISE CYLINDERS* IN SARGENT KEYWAYS

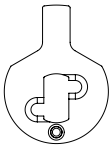
Standard Cam
(DG-0001)

Standard open slotted cam provided on all 40 Series -standard.
Except: 16 & 92 function Mortise Locks



Short Cam (-105)
(DG-0002)

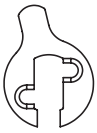
Cam used with SARGENT mortise functions 16 & 92 on the inside cylinder



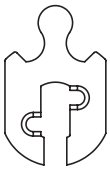
Hotel Cam (-115)
(DG-2808)

Cam only offered on limited rotation hotel function cylinder for use in 78/8250 lock sets

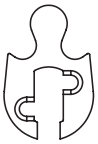
MISCELLANEOUS CAMS*



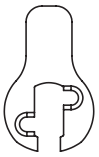
Adams Rite
(-101)
1850, 4700
(DG-0004)



SARGENT 4370
Series Key
Switches (-113)
(DG-0006)



Schlage "L"
(-106)
(DG-0007)



Misc. Cam
(-112)
(DG-0008)

* Order cam screws as DG-0016, if needed.
Cams are unique to DG cylinders and standard SARGENT cams are not compatible

MISCELLANEOUS CAMS*

- 6300 Cams are factory installed and are not removable
- 6300 Cams are not sold separately
- Specify cam as a suffix: DG1-63-44 x 105 cam
- For Standard Cam: No Suffix is required

Standard
6300 Series Cam

-105
Cam for inside cylinder of Mortise 16 & 92 function locks

-115
Cam for 6300 Series 50 function locks

-101
Adams Rite
1850 4710

-113
4370 Series
key switch

-106
Schlage
"L"

-112
Misc. Cam

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Rim Cylinders

DG1-, DG2- & DG3- SERIES RIM CYLINDERS

For use with Exit Devices and Auxiliary Locking Devices

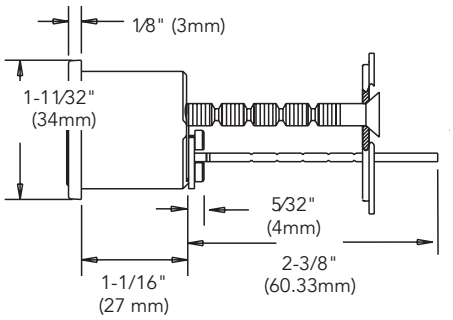
Standard Degree Rim Cylinders supplied with:

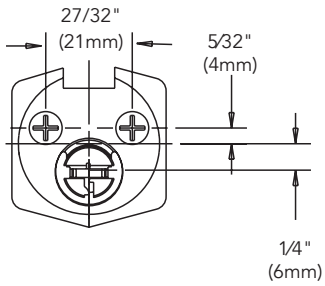
- Solid brass, 6 pin cylinder, 1-5/32" (29mm) diameter
- T keyway family standard – see page 18 for available keyways
- Optional collars are offered and to be ordered separately, consult individual catalogs for more details
- Horizontal tail piece only
- 27/32" (21mm) screw pattern through-bolts to SARGENT exit devices (same as standard rim cylinders)
- Factory keyed

Rim Fixed Core

Options

- Construction Master Keying (21- option)
  - – Allows use of construction keys until change key voids operation
  - – Ships with 6 master construction keys separate from change keys
- Removable Disposable Construction Core (60- option)
  - – Operate with coin or flat screw driver
  - – Easy installation
- Removable Core (63- option)
  - – Control key releases locking cam for removal of core
  - – Control keys ordered separately
- Removable Construction Keyed LFIC (64- option)
  - – Furnished with 6 keys and 1 control key standard
  - – Plug face dimpled for easy identification
- Unassembled Cylinder (65- Option) – DG1 and DG2 only
  - – Includes two key blanks but no pins, springs or slide
  - – When ordered with hardware, 65-DG cylinders are packed uninstalled with hardware
  - – Available on existing systems only





DEGREE RIM CYLINDERS

Type	Degree Level	Cylinder Type
Degree Rim Cylinders	DG1-, DG2- or DG3	34 Rim Cylinder

HOW TO ORDER DG SERIES RIM CYLINDERS LESS HARDWARE

Quantity	Options*	Cylinder Type	Key Set	Door#/Item#	Finish†
75	DG2-	34	AA1		26D

HOW TO SPECIFY DG SERIES CYLINDER WITH HARDWARE (80 SERIES EXIT DEVICE EXAMPLE)

Quantity	Options*	Series & Function	Retail Size	Trim	Finish†	Hand	Keying Detail
25	DG2-	8804	F	ETL	32D	RHR	AA1

*** Available options for Degree Rim Cylinders are: DG1-, DG2-, DG3-, 21-, 60-, 63-,64- & 65-**
† Finishes available: 03, 04, 09, 10, 10B, 10BL, 10BE, 14, 15, 20D, 26, 26D, BSP, WSP
Note; Cylinder plugs/barrels are available in the following finishes: 04, 15, or BSP

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Large Format Interchangeable Core Mortise Cylinders

DEGREE LARGE FORMAT INTERCHANGEABLE CORES AND CYLINDERS

For use with Mortise Locks, Exit Devices and Auxiliary Locksets

CORE ONLY (DG-6300):

Standard Degree Rim Cylinders supplied with:
- Solid brass, 6 pin cylinder
- Available in 04, 15 and BSP finish only
- T keyway family standard – see page 18 for available keyways
- Factory keyed or available unassembled* for field keying (65-)
- Offset cam DG-0001 standard – see available cams on page 7
- Hotel functions (50-) available with DG1-
- Order core only as: DG1- 6300, DG2- 6300 or DG3- 6300

* 65- option available for DG1 and DG2 only. Includes two key blanks but no pins, springs or slide. (Available on existing systems only)

DG-6300 Cylinder Core

Housings:
- Solid brass, 1-5/32" (29mm) diameter
- Available in finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, BSP, WSP
- Optional collars are offered and to be ordered separately, consult individual catalogs for more details
- Available in 42 (1-1/4"), 43 (1-3/8"), 44 (1-1/2"), or 46 (1/34") lengths

Notes:
- DG1 and DG2 use the same mortise housing
- DG3 cores must be used with DG3 housings to maintain UL437 listing

OPTIONS

DG-60-Mortise Housing

DG-63-Mortise Cylinder

DG-64-Mortise Housing with Construction Core

Removable Disposable Construction Core (60- Option)
- Mortise housing with disposable plastic core
- After removal of temporary plastic core, housing accepts DG-6300
- Operates with coin or flat screw driver
- Easy installation
- Order as:
  DG1-60- housing size x cam x finish
  DG2-60- housing size x cam x finish
  DG3‡-60- housing size x cam x finish
- Hotel Functions
  – DG-60-Hotel function (50-) housings are available in DG1- only, in #43 (1-3/8") length and only for use in Sargent 78/8250 lock sets
  – Order as: DG1-60-50-43 x finish (Note: used with DG1-6300 cores only)
  – Emergency Master Key ordered separately,as an DG7269EMK

Removable Core (63- Option)
- Mortise housing with DG LFIC
- Can be master or grandmaster keyed
- Control key releases locking cam for removal of core
- Available as unassembled less springs, pins and slide (65- available DG1 & DG2 only)
- Control keys ordered separately
- Additional control keys for DG1 systems: DG6272CTL; control keys for DG2 and DG3 systems: DS6272CTL
- Order as:
  DG1-63- housing size x cam x finish
  DG2-63- housing size x cam x finish
  DG3‡-63- housing size x cam x finish
- Hotel Functions
  – DG-60-Hotel function (50-) housings are available in DG1- only, in #43 (1-3/8") length and only for use in Sargent 78/8250 lock sets
  – Order as: DG1-60-50-43 x finish (Note: used with DG1-6300 cores only)
  – Emergency Master Key ordered separately,as an DG7269EMK

Removable Construction Keyed LFIC (64- Option)
- Mortise housing with construction core
- Construction cores are keyed alike in KA keyset
- After removal of construction core, housing accepts DG-6300
- Furnished with 6 keys and 1 control key standard
- Plug face dimpled for easy identification
- Order as:
  DG1-64- housing size x cam x finish
  DG2-64- housing size x cam x finish
  DG3‡-64- housing size x cam x finish

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Large Format Interchangeable Core Mortise Cylinders

SARGENT®
ASSA ABLOY

How to order 6300 Series LFIC DG mortise cylinders less hardware

	Quantity	Options*	Cylinder Size	Cam	Keying Detail	Finish
Complete Cylinder: DG-LFIC and Housing	75	DG2-63-	44	Std	AA1	26D
Housing Only	125	DG1-60-	44	Std	–	26D
LFIC Only	85	DG2-6300	–	–	AA1	15

* Available options for Degree LFIC Mortise Cylinders are: DG1-, DG2-, DG3-, 50-, 60-, 63-, 64- & 65-
Note: Cores are available in 04, 15 & BSP finish

How to Order DG Series 6300 Series LFIC Cylinder with Hardware (8200 Series Mortise Lock example)

Quantity	Options**	Series & Function	Rose/Escutcheon	Lever	Finish	Hand	Keying Detail
95	DG2-63-	8237	LE1	ML	26D	RHR	AA1

**Available options for Degree Mortise Cylinders are: DG1-, DG2-, DG3-, 60-, 63, 64- & 65-

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Large Format Interchangeable Core Rim Cylinders

SARGENT
ASSA ABLOY

DEGREE RIM LARGE FORMAT INTERCHANGEABLE CORES AND CYLINDERS

For use with SARGENT Mortise locks, Exit Devices and Auxiliary Locking Devices

DG-6300 Cylinder Core

CORE ONLY (DG-6300):

- Solid brass, 6 pin cylinder
- Available in 04, 15 and BSP finish only
- T keyway family standard - see page 18 for available keyways
- Factory keyed or available unassembled* for field keying (65-)
- Order core only as: DG1- 6300, DG2- 6300 or DG3- 6300

Notes: DG3 cores must be used with DG3 housings to maintain UL437 listing

*65- option available for DG1 and DG2 only. Includes two key blanks but no pins, springs or slide. (Available on existing systems only)

Housings:

- Solid brass, 1-5/32" (29mm) diameter
- Available in finishes: 03, 04, 09, 10, 10B, 10BL, 10BE, 14, 15, 20D, 26, 26D, BSP, WSP
- Optional collars are offered and to be ordered separately, consult individual catalogs for more details
- Screw pattern same as standard rim cylinder
- Available in 42 (1-1/4"), 43 (1-3/8"), 44 (1-1/2"), or 46 (1/34") lengths
- Supplied with backplate and 2 breakaway screws
- Horizontal tailpiece

Options:

DG-60-Rim Housing

REMOVABLE DISPOSABLE CONSTRUCTION CORE (60- OPTION)

- Rim housing with disposable plastic core
- After removal of temporary plastic core, housing accepts DG-6300
- Operates with coin or flat screw driver
- Easy installation
- Order as: DG1-34-60- x finish
  DG2-34-60- x finish
  DG3‡-34-60- x finish

DG-63-Rim Cylinder

REMOVABLE CORE (63- OPTION)

- Rim housing with DG LFIC
- Can be master or grandmaster keyed
- Control key releases locking cam for removal of core
- Available as unassembled less springs, pins and slide (65- available DG1 & DG2 only)
- Order as: DG1-34-63- x finish
  DG2-34-63- x finish
  DG3‡-34-63- x finish
- Control keys ordered separately
- Additional control keys for DG1 systems: DG6272CTL; control keys for DG2 and DG3 systems: DS6272CTL

DG-64- Rim Housings with Construction Core

REMOVABLE CONSTRUCTION KEYED LFIC (64- OPTION)

- Mortise housing with construction core
- Construction cores are keyed alike in KA keyset
- After removal of construction core, housing accepts DG-6300
- Furnished with 6 keys and 1 control key standard
- Plug face dimpled for easy identification
- Order as: DG1-34-64- x finish
  DG2-34-64- x finish
  DG3‡-34-64- x finish

How to order 6300 Series LFIC DG rim cylinders less hardware

	Quantity	Options*	Cylinder Type	Keyset	Finish
Complete Cylinder: DG-LFIC and Housing	200	DG2-63-	34	AA1	26D
Rim Housing Only	175	DG1-60-	34	–	26D
LFIC Only	95	DG2-6300	–	AA1	15

* Available options for Degree Rim Cylinders are: DG1-, DG2-, DG3-, 60-, 63-, 64-, 65-
Note: Cores are available in 04, 15 & BSP finish

How to Order LFIC DG Series Rim Cylinder with Hardware (80 Series Exit Device example)

Quantity	Options**	Series & Function	Rail Size	Trim	Finish	Hand	Keying Detail
50	DG2-63-	8804	F	ETL	32D	LHR	AA1

** Available options for Degree Rim Cylinders are: DG1-, DG2-, DG3-, 60-, 63-, 64-, 65-

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Cylinders for Bored Locks

FIXED CORE COMPONENT

For use with SARGENT Cylindrical Lever, Knob Locks and Auxiliary Locksets

How to Order DG Series Lever & Knob Cylinders less hardware

Quantity	Degree Level	Catalog No	Keyway	Finish**
75	DG1, DG2 or DG3	C10-1	TA	04

- Furnished factory keyed and only DG1 and DG2 are offered with the 65- option of unassembled for field keying. 65- cylinders include two key blanks but no pins, springs or slide

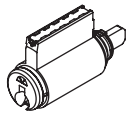
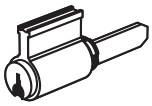
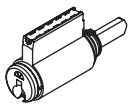
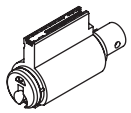
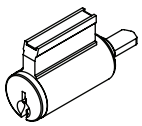
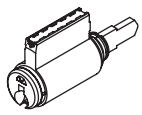
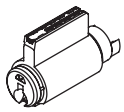
** Available in 04, 15 and BSP finishes only

Key-in-knob (KIK), Key-in-lever (KIL) Fixed Core (FC)

Options

- Construction Master Keying (21- option)
  - – Allows use of construction keys until change key voids operation
  - – Ships with 6 master construction keys separate from change keys
- Unassembled Cylinder (65- Option) – DG1 and DG2 only
  - – Includes two key blanks but no pins, springs or slide
  - – When ordered with hardware, 65-DG cylinders are packed uninstalled with hardware
  - – Available on existing systems only

Designations & Options for Degree Series Components

SARGENT Lockset		Degree Level	Catalog No	Finish	Function
11 Line Locks		DG1, DG2 or DG3	C11-1	US04, US15, BSP	All functions except 50 function
		DG1	C11-2		
10X Line Locks		DG1, DG2, or DG3	C10X-1	US04, US15, BSP	All functions except 50 function
		DG1	C10X-2	US04, US15, BSP	Hotel function (50-)
10, 7, 7500* Line (Levers) & 6500 Locks & 88KL, 88CL, 28KL, 28NL & 28CL Exit Trims		DG1, DG2 or DG3	C10-1	US04, US15, BSP	All functions except 50 function
		DG1	C10-2	US04, US15, BSP	Hotel function (50-)
7*, 8* & 9* Line Knob Locks		DG1, DG2 or DG3	C8-1	US04, US15, BSP	All functions except 50 function
		DG1	C8-2	US04, US15, BSP	Hotel function (50-)
8X Line Cylindrical Knob Locks		DG1, DG2 or DG3	C8X-1	US04, US15, BSP	
6 Line Cylindrical Locks		DG1, DG2 or DG3	C6-1: S&M Knob C6-1B: B Knob	US04, US15, BSP	
7600 Integralock*		DG1, DG2 or DG3	C7600-1 for functions 04, 05, 37	US04, US15, BSP	

Note: All cylinders supplied with two change keys; for lock functions that have two cylinders keyed alike, only two change keys will be provided

* Discontinued products

Hotel Functions (50) are not available with 9 Line knobs, 7 Line levers, 7500 Interconnected, 6500 Locks, & Exit Trims.

Emergency key to be ordered separately for bored locks as DG6267EMK

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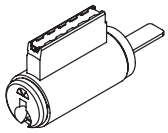
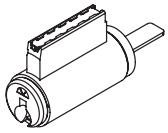
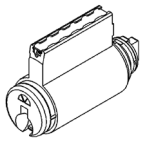
Cylinders for Deadbolts & Padlocks & Cylinder Finishes

BORED AUXILIARY DEADLOCKS

For use with Bored Auxiliary Deadlocks

SARGENT Lockset		Degree Level	Catalog No	Finish	Function
460* Series Deadbolt		DG1, DG2 or DG3	C460-1	US04, US15, BSP	464
		DG1, DG2 or DG3	C460-2	US04, US15, BSP	465
450*, 470, 480 Series Deadbolts		DG1, DG2 or DG3	C480-1	US04, US15, BSP	454, 474, 484
		DG1, DG2 or DG3	C480-2	US04, US15, BSP	455, 475, 485, 487
		DG1, DG2 or DG3	C480-3	US04, US15, BSP	456, 486
758 & 858 Padlocks		DG1, DG2 or DG3	C750-1	US04, US15, BSP	758 and 858 padlocks

Note: All keyed cylinders supplied with two change keys. For lock functions that have two cylinders keyed alike, only two change keys will be provided

- Only DG1 and DG2 are offered with the 65- option of unassembled for field keying. 65- cylinders include key blanks but no pins, springs or slide
- When hardware is ordered with 65- cylinders, it will ship uninstalled with hardware

Finishes available for Mortise and Rim Cylinders°

SARGENT Code	ANSI/BHMA Code	Finish Description
03	605	Bright Brass, clear coated
04	606	Satin Brass, clear coated
09	611	Polished Bronze, clear coated
10	612	Satin Bronze, clear coated
10B	613	Satin Bronze, oxidized and oil rubbed
10BE	613E	Dark Oxidized Satin Bronze - Equivalent
10BL	614	Satin Bronze, oxidized and clear coated
14	618	Bright Nickel
15	619	Satin Nickel
20D	624	Statuary Dark Bronze, clear coated
26	625	Bright Chrome Plated
26D	626	Satin Chrome Plated
BSP	BSP	Black Suede Powder Coat
WSP	WSP	White Suede Powder Coat

°Key-in-knob/Key-in-lever and LFIC are available 04, 15 & BSP finishes only
Note: 32 & 32D finished hardware will be supplied with 26 & 26D finished cylinders accordingly

* Discontinued products

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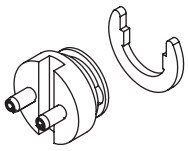
6300 Series DG- Conversion Parts, Slide Block Kit & Shear Tool

SARGENT 6300 SERIES HOUSINGS AND KIL/KIK LOCKS

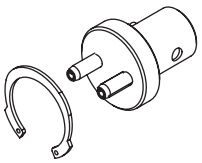
Older 6300 series mortise and rim cylinders with long pins in the housings will need to be modified to accept 6300 Series DG- cores.

KIL/KIK lock sets with removable tail pieces will require new tail pieces as shown below.

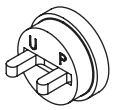
6300 SERIES DG- CONVERSION PARTS FOR #34 RIM CYLINDERS, 8-LINE KNOB LOCKS AND 480 SERIES DEADBOLTS



Kit # 13-5178 is used to convert rim cylinders with long pins to accept 63-DG Series cores and 11-63-series cores



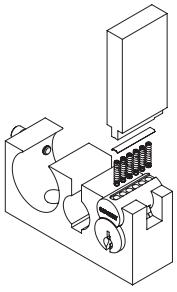
Kit # 08-5265 for DG-63- Series and 11-63-8-Line knobs



Kit # 16-2519 for DG-63- Series and Cam Assembly for 11-63-Deadbolts

436-1 SLIDE BLOCK KIT

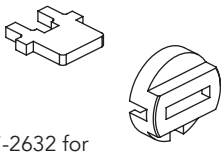
- Includes fixture and staking tool for use with all DG- 6300 cores, and 11- and 10- 6300 series cores manufactured after March 2006 and standard cylinders manufactured after May 2008, simplifying top loading in the field.
- The kit includes:
  - 100 slides
  - staking block
  - staking tool
- Cylinders manufactured after March 2006 will not include the box around the SARGENT logo and can be used with this kit.
- Additional slides available:
  - 7 pin slides (Part # 13-1797)
  - 6 pin slides (Part #13-1341)



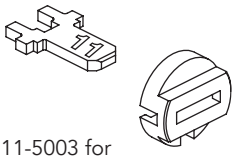
Cores without a box around the word "SARGENT"

6300 Series DG- Conversion Parts for 758/858 Padlocks, 11 Line (T-Zone), 10, 7, 6500 Line

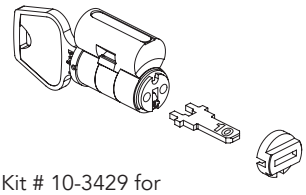
Note: Only existing 6300 cores with removable tailpieces can be upgraded to Degree without modifying the lock



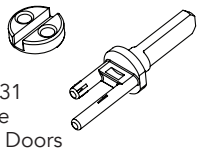
Kit # 17-2632 for 758/858 Padlock



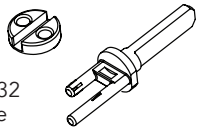
Kit # 11-5003 for 11-Line



Kit # 10-3429 for 10 Line and 7 Line. 05-3125 for 6500 Series (Cylinder Not Included)



Kit # 10-3631 for 10X Line 1-3/8" - 2" Doors



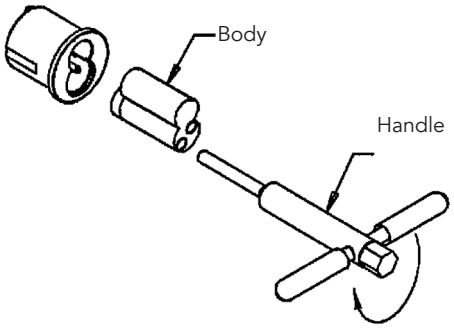
Kit # 10-3632 for 10X Line 2-1/4" Doors

431-6 SHEAR TOOL

- 431-6 Shear Tool is used to alter older SARGENT 60-/63- mortise housings to accept 6300 Series DG cores and 11-6300 series cores.
- Altered housings will accept 6300 DG1-, DG2- and DG3- cores.

Note: DG3- cores with altered housings are not UL437 listed, DG3 cores require DG3 housings to be UL437 listed

- For 6300 rim cylinders use Kit #13-5178



6300 LARGE FORMAT INTERCHANGEABLE CORE INSTALLATION TOOL (432 RC)

- The 432 RC is a tool to assist in installing SARGENT Large Format Interchangeable (Removable) Core Mortise Housings. This tool makes it easy to thread a cylinder body into a mortise lock and can also help check the cylinder function in a lock before installing the cylinder core
- Order: 432 RC for the SARGENT Large Format Interchangeable (Removable) Core Installation Tool

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Degree® Pin Kits

437 DG1 STANDARD PINNING KIT

The 437 DG1 Kit is used to pin DG1 fixed and LFIC cylinders. The heavy duty steel kit prevents pins from mixing.

The kit includes:

100 each of bottom pins sizes 0-6

- 100 each of control drivers sizes 1-12
- 100 each of driver pins sizes 1-10
- 100 each of bump resistant pins sizes 4-10
- 25 sidebar springs part number DG-0059
- 100 KIK spring cover part number 13-1341
- 25 KIL/MRT/RIM/LFIC spring cover DG-0040
- 10 each Sidebar (LFIC only) part number DG-2818
- 100 each compression spring part number DG-0017
- 100 each compression spring (LFIC only) part number DG-0097
- Tweezer
- DG1 key key gauge part number 435DG

See pages 2 and 3 in the Technical Manual for individual pin part #s.

The kit has additional empty compartments for future upgrades to DG2 and DG3 cylinders.

The 437 DGM "Master Kit" has all pins needed for pinning DG1, DG2 and DG3 cylinders.

437 DGM Master shown

437 DGM MASTER PINNING KIT

The 437 DGM "Master Kit" includes all pins needed to re-pin DG1, DG2 and DG3 cylinders.

Kit includes all the same components as in the 437 DG1 kit, with the additional parts to service DG2 and DG3 cylinders.

10 each Side bar part number DG 0056

- 25 each slider spring part number DG 0060
- 100 each of Left, Center and Right "Chisel Bottom Pins" sizes 1 thru 6

See pages 2 and 3 in the Technical Manual for individual part numbers.

CYLINDER SPRAY LUBRICANT

Degree cylinders are mechanical devices and require preventive maintenance. At a minimum, Degree cylinders should be lubricated twice a year; more if installed in extreme installations.

Degree cylinders should not be exposed to chemical washes or painted.

3.0 oz aerosol part number 18-0070

Cylinder Spray Cleaner/Deicer: 3.0 oz aerosol part number 18-0435

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Rosettes & Collars

SARGENT®
ASSA ABLOY

No. 1KB Rosette

- Used with 8200 Series mortise locks and No. 90 blocking rings when cylinders project from door
- Free spinning to protect cylinder from vandalism
- Consult 8200 series catalog for Rosette application details. Different collars required when used with exit devices. Consult Exits catalog for part numbers
- Furnished standard with 8200 Series sectional trim
- Cast brass, bronze or stainless steel
- 1-1/2" (38mm) diameter, includes compression spring
- Projection from door:
  1KB-1 5/16" (8mm)
  1KB-2 7/16" (11mm)
  1KB-3 9/16" (14mm)
  1KB-4 11/16" (16mm)
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 15, 20D, 26, 26D, BSP, WSP

1KB-1 1KB-2

1KB-3 1KB-4

Cylinder Nut Wrench

This wrench simplifies the installation and removal of mortise cylinders nuts used on 700 Series Auxiliary Control (80 Series ET Trim).

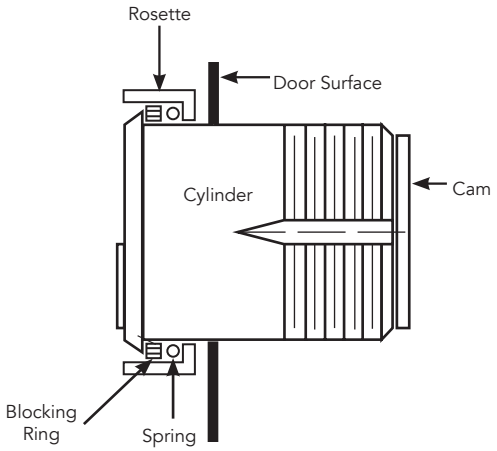
- Part number 97-0568

No. 97 Rosette

- Standard for 4800 dead bolts and 7900 and 7800 Series mortise locks
- Brass, bronze or stainless steel
- 1-11/16" diameter (43mm), 9/32" (7mm) projection, includes compression spring
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 15, 20D, 32, 32D, BSP, WSP

No. 90 Blocking Ring

- Used with 1KB-2 and 1KB-3 rosettes as spacer when mortise cylinder projects from face of door as shown above
- Consult 8200 series catalog for Blocking ring application details
- Brass, bronze or stainless steel
- 1-3/8" (35mm) diameter; available in thickness of 1/16", 1/8", 3/16", 1/4" and 3/8" projection in 1/16" (1.6mm) increments. Specify size when ordering.
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 15, 20D, 26, 26D, BSP, WSP



Crosscut illustration of rosette application

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Visual Key Control
Tamper Proof Packaging

VISUAL KEY CONTROL (STAMPING)

To allow for easier key and cylinder identification, SARGENT offers permanent stamping of keys and/or optional cylinder concealed stamping with industry standard alpha-numeric key set symbols.

All DG keys are stamped with key set symbol and "DO NOT DUPLICATE" as standard.

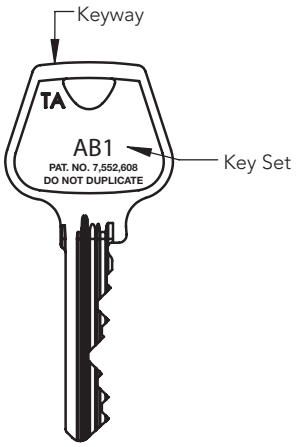
All DG master and control keys are stamped with the key set symbol and the key system register # cylinders as standard, (Item B) unless alternate stamping is requested on the order.

Master level keys do not include bitting numbers. Master level keys include system register numbers stamped on the first line and the standard visual key control designations on the second line (Item B).

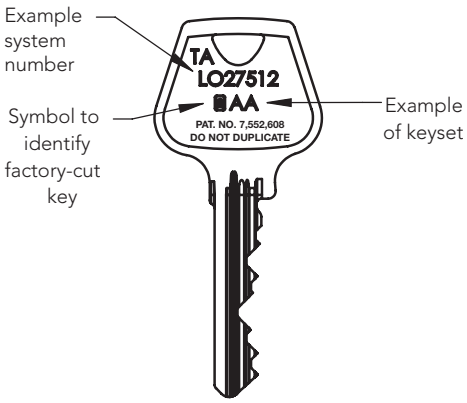
Change keys have one line for up to 7 characters for key set stamping available for permanent Visual Key Control

- Key and cylinder identified by industry standard alpha-numeric keyset symbols
- Cylinder-slide stamping available on mortise, rim, LFIC and all bored cylinders except for 8-Line and 7600 (Items C, D, & E)
- Core side engraving available for 8-Line and 7600 (Item F)

Note: SARGENT will stamp alternate identity codes on cylinders and/or keys whenever requested. This alternate stamping can not be different if both are to be stamped. Master Level Keys can also be stamped with a single alternate code

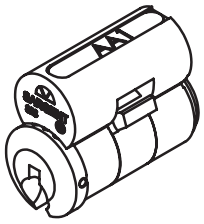


Item A
Change (Day)
Key Stamping

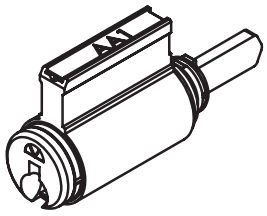


Item B
Master Level
Key Stamping

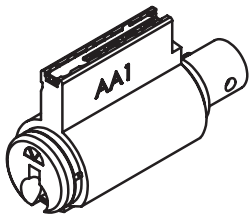
Item C



Item D



Item E



Item F

TAMPER PROOF PACKAGING

For the highest level of security for the end user, tamper proof packaging is used on all Degree master keys and key blanks. This heat sealed shrink wrap identified with "SARGENT Sealed For Your Security" provides assurance of the integrity of the factory generated key system.

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Key Blanks/Key Sections

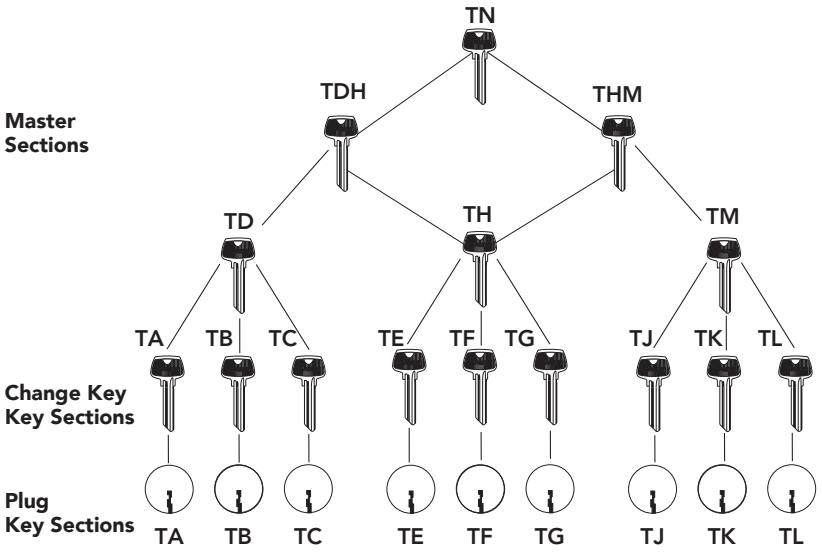
SARGENT® ASSA ABLOY

Master Key Blanks*	
DG1	DG 6270 TN
DG2- or DG3-	DS 6270 TN
DG1	DG 6270 TDH
DG2- or DG3-	DS 6270 TDH
DG1	DG 6270 THM
DG2- or DG3-	DS 6270 THM
DG1	DG 6270 TD
DG2- or DG3-	DS 6270 TD
DG1	DG 6270 TH
DG2- or DG3-	DS 6270 TH
DG1	DG 6270 TM
DG2- or DG3-	DS 6270 TM

Change Key Blanks*	
DG1	DG 6275 TA
DG2- or DG3-	DS 6275 TA
DG1	DG 6275 TB
DG2- or DG3-	DS 6275 TB
DG1	DG 6275 TC
DG2- or DG3-	DS 6275 TC
DG1	DG 6275 TE
DG2- or DG3-	DS 6275 TE
DG1	DG 6275 TF
DG2- or DG3-	DS 6275 TF
DG1	DG 6275 TG
DG2- or DG3-	DS 6275 TG
DG1	DG 6275 TJ
DG2- or DG3-	DS 6275 TJ
DG1	DG 6275 TK
DG2- or DG3-	DS 6275 TK
DG1	DG 6275 TL
DG2- or DG3-	DS 6275 TL

* Key blanks are made of Nickel Silver and sold in boxes of 50

FOR MULTIPLEX MASTERKEY SYSTEMS
(T KEYWAY FAMILY SHOWN)



Degree Cut Keys		
DG1	DG6272CMK	21-
DG1	DG6272CTL	6300s
DG1	DG6272MK	
DG!	DG6272CHK	
DG2 or DG3	DS6272CMK	21-
DG2 or DG3	DS6272CTL	6300s
DG2 or DG3	DS6272MK	
DG2 or DG3	DS6272CHK	

Emergency Master Keys		
DG1	DG6267EMK	bored locks
DG1	DG7268EMK	mortise locks
DG1	DG7269EMK	63- cylinders in mortise locks

Construction Keys		
DG1/DG2/DG3	6251CMK	64-
DG1/DG2/DG3	6251CTL	64-

Legend:
DG = DG1- keys only
DS = DG2- & DG3- keys
CMK = construction master key
CTL = control key
MK = master key
CHK = change (day) key

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Master Keying & Cylinder Terms

SARGENT requires all orders containing Master Keying details to be submitted using the industry standard Door and Hardware Institute (DHI) ANSI/BHMA format. Key symbols used on a master keyed order require combinations of letters and/or letters and numbers.

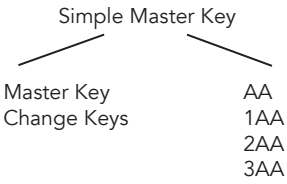
For complete details on proper structuring format of key symbols refer to: DHI Handbook, Section 8 - Finish Hardware, KEYING SYSTEMS AND NOMENCLATURE; ANSI/BHMA Standard A156.28, AMERICAN NATIONAL STANDARDS FOR KEYING SYSTEMS; or contact SARGENT for assistance at 1-800-727-5477.

Basic Keying Terms

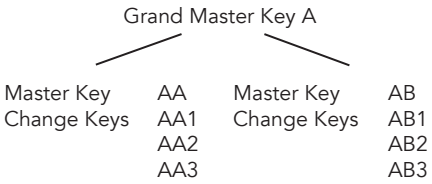
Keys and terms	Abbreviation	Definition
Change key	CK	Individual lock key
Masterkey	MK	Operates any given quantity of cylinders with different key changes
Grand Masterkey	GMK	Operates all individual locks already operated by masterkey(s)
Great Grand Masterkey	GGMK	Operates all locks under the various masterkey(s) and grand master key(s) already established
Emergency Key	EMK	Operates hotel locks having shut out feature which blocks entry by all other keys
Construction Key	CMK	Operates all cylinders designated for a temporary period during construction
Control Key	CTL	Key to install or remove interchangeable or removable cores
Keyway	KWY	Broaching in a cylinder plug
Key Section	KWY	Sidewarding on key to match broaching in plug
Single Keyed	SKD	Cylinders operated by their change key only; not operated by any master key

EXAMPLES OF MASTER KEY SYSTEM LEVELS AND SYMBOL STRUCTURE**

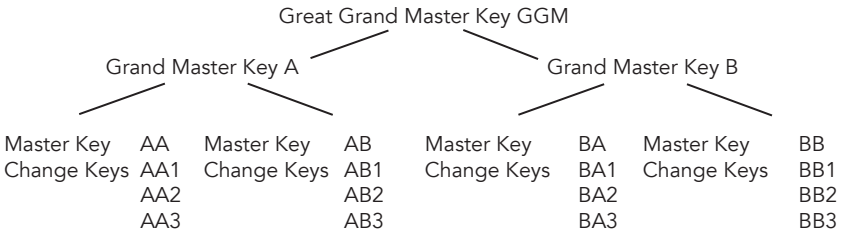
Level 2



Level 3



Level 4



**Master key system levels greater than Level 4 are not recommended. Contact SARGENT key records for additional information

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Construction Master Keying (21- Option)

CONSTRUCTION MASTER KEYING (LOST/WAFER DESIGN) FOR DG1-, DG2- & DG3-

SARGENT Degree cylinders when master keyed are offered with the convenience of construction keying when specified with the 21- option. This is not recommended with DG3 key systems or any system where strict key control and management is enforced.

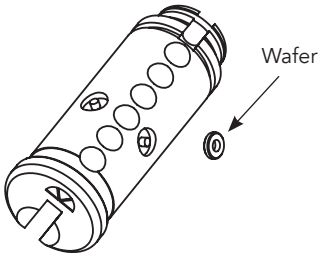
Construction keying simplifies the process when the building gets turned over. With this feature, the 21- cylinder is master keyed with a special
construction feature in one of the chambers. The plug is prepped in two places along both sides of the same chamber containing the construction feature. This allows the construction master key to be used during the construction phases.

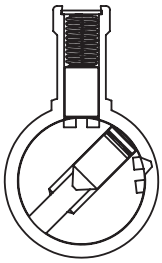
It is highly recommended that all construction keys are collected and accounted for once the project is complete to protect the integrity of the key system. This is not recommended with DG3 key systems or any system where strict key control and management is enforced.

New systems supplied with 6 construction master keys unless otherwise specified. Orders to existing key systems that require additional construction keys are to be specified and ordered separately.

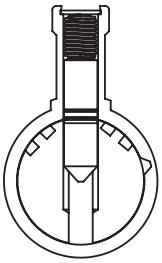
Orders with 21- will have all change keys shipped separately from hardware. Six construction master keys provided per system unless otherwise specified.

The 21- is not available with hotel function cylinders or large format interchangeable cores (6300 series). If construction keying is required for LFIC, specify 64-DG- construction keyed cores.

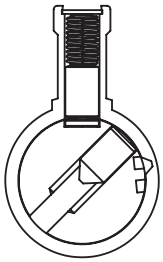




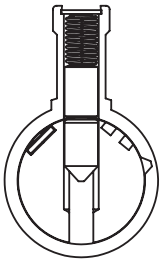
Cutaway cylinder showing construction master key being used, putting the wafer below the shear line while key is turned. Note the two empty “donut” holes on either side of the chamber.



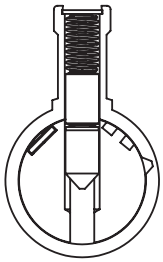
Change key inserted in cylinder putting the wafer at the shear line.



As **change key** rotates, construction wafer falls into “donut” hole in the side of plug. Only construction wafer will fall due to hole through its center. This voids the construction feature.



Change key rotated to position for extraction.



Construction key inserted after wafer is trapped. Driver now extends into plug chamber. Construction key if used will not rotate.

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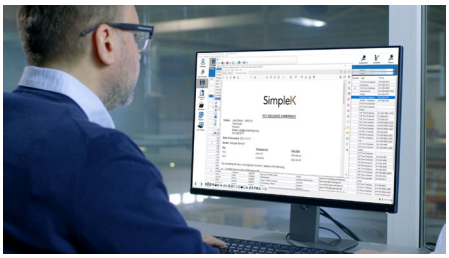
SimpleK Master Key System and Key Management Software

SimpleK

SimpleK is a flexible and intuitive software program that streamlines and simplifies the complexities of managing master key systems, keys, and facilities. It combines all tools needed by locksmiths, facility managers, security officers, and anyone else involved in the key management processes.

The software provides total key control with audit trails, outstanding keys, overdue keys, tools for the rekeying process, and more. SimpleK software allows you to import maps and floor plans to see who has access to each individual door, the associated keys, and hardware on the opening.

SimpleK allows you to manage keys and keying systems of all sizes and types. This includes: Medeco, Corbin Russwin, ASSA ABLOY ACCENTRA®, SARGENT, ASSA, ABLOY, Schlage®, Best®, and many others.



Features:

- Advanced tools for locksmithing and key control
- Manage all key systems (unlimited number of records)
- Robust import tools to bring current data into SimpleK
- Interactive floor plans
- Master key system design and expansion
- Key requests, approvals, issuances, and returns workflow
- Cylinders and core pinning (verifies key interchange)
- Door-Key association visualization and rekeying solution
- Easily identify keys, access, and hardware on openings
- Visibility to audit trails and outstanding/overdue keys

SimpleK – Standard Edition

Description	Part Number
Primary License (3 users)	SMK040-30
Updates & Support Plan on Primary License, 1 year	SMK040-31

SimpleK – Professional Edition

Description	Part Number
Primary License (3 users)	SMK042-30
Additional license	SMK042-32
Updates & Support Plan on Primary License, 1 year	SMK042-35
Updates & Support Plan on Additional License, 1 year (per Add. Lic.)	SMK042-33

Add-On Modules

Description	Part Number
Item Tracking	SMK032-31
Web Interface	SMK032-33
Room Management	SMK032-35
Mobile Applications	SMK032-37

For more information, customer service or technical support, please call SimpleK at 800-315-0454 or visit www.simplek.com.

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SimpleK Software Order Form

SARGENT®
ASSA ABLOY

Form is required for all SimpleK Software orders.

Brand*	
Distributor Purchase Order Number*	
Distributor Account Number*	
Part Number*:	**Standard Edition** ☐ SMK040-30 Primary License (3 users) ☐ SMK040-31 Updates & Support Plan on Primary License, 1 year **Professional Edition** ☐ SMK042-30 Primary License (3 users) ☐ SMK042-32 Additional license ☐ SMK042-35 Updates & Support Plan on Primary License, 1 year ☐ SMK042-33 Updates & Support Plan on Additional License, 1 year (per Add. Lic.) **Add-On Modules** ☐ SMK032-31 Item Tracking ☐ SMK032-33 Web Interface ☐ SMK032-35 Room Management ☐ SMK032-37 Mobile Applications
To receive your SimpleK license and download link with instructions for your new software package, the following End User Information is required:	
Company/Institution Name*	
Mailing Address*	
City*	
State/Province*	
Zip/Postal Code*	
Country*	
Primary Point of Contact*	
Telephone*	
Email Address where license and download link will be sent*	

*Required field

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Architectural Specifications

SARGENT®
ASSA ABLOY

Part 1 – General

Keying Schedule—

- The keying schedule is just as important as the hardware schedule
- The key meeting requirements

Who attends

Example: "Upon approval of the finish hardware schedule meet with the owner's representative to determine the project's keying requirements. In attendance shall be a Certified Key System Specialist."

Administrative documents should be reviewed and executed at this meeting.

Delivery, Storage and Handling—

- The delivery and storage of the permanent cylinders, cores, keys, key control software

Extra Material—

- Consideration should be given to include additional permanent cylinders, key blanks and key cutting equipment, etc

Part 2 – Product

Keying: (SARGENT Degree)—

All cylinders shall be SARGENT Degree. Provide utility patented cylinders that require the use of a patented controlled key. Provide bump resistant fixed core mortise and rim cylinders standard. Except where otherwise specified all locksets, exit devices and cylinders shall be of the same manufacturer. Provide recessed cylinder collars for all mortise and rim cylinders. Establish a new multilevel factory designed secured master key system for this project that will meet the owners requirements for this project and future expansion. All keying shall be done at the factory where permanent records will be established and maintained.

Manufacturer to have a minimum of 10 years experience designing secured master key systems and have a published security policy.

Provide a 6 pin multilevel master key system which is comprised of patented controlled keys, security and high security cylinders that can all be operated by ONE key of the highest level. Geographical exclusivity shall be provided for all security and high security cylinders. Provide certified cylinders meeting ANSI/BHMA A156.5-2010 Grade 1. Provide mortise, rim and key-in-lever cylinders certified to UL437 where specified.

Provide construction master keying for all fixed core cylinders. Provide temporary keyed cores for all large formatted interchangeable core cylinders. Permanent keys and cores are to be delivered directly to the owner or owner's representative. Provide nickel silver keys with industry standard Visual Key Control stamping on the bow only for each permanent cut key. Furnish keys in the following quantities.

- 1 each top master key for the system(s)
- 4 each Change keys per cylinder or 10 keys per keyed alike group
- 2 each Control keys (if required)
- 2 each Master keys per master key group and/or selective master key
- 2 each Construction control keys (if required)
- 12 each Construction keys
- Provide 1 copy of bitting list to the owner

Where specified DG1; provide utility patented controlled keyway cylinders that are furnished with patented keys that are only available from authorized distribution. Provide bump resistant fixed core mortise and rim cylinders standard. Where specified DG2; provide utility patented controlled keyway and side bar locking incorporating unique angled bottom pins that provide end users with geographical exclusivity. Cylinders shall be constructed to provide protection against bumping and picking. Where specified DG3; provide utility patented controlled keyway and side bar locking incorporating unique angled bottom pins that provide end users with geographical exclusivity. Cylinders shall be constructed to provide protection against bumping, picking and drilling. Provide mortise, rim and key-in-lever cylinders certified to UL437.

Specified manufacturer Sargent Degree Key Control

• Specify Key Wizard software

Part 3 – Execution

Care should be taken to identify the required process of turning over a patented locking system to the owner.

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Degree® System Information Document Explanation

Degree DG1 Required Administrative Documents:

- Mandatory; all new systems will require a completed System Information Document (orders can not be entered without this document). The fully executed original document will be kept on file at Sargent Manufacturing.
- Subsequent order requirement. A letter of authorization will be required if the product is shipped to an address other than what's recorded on the System Administration Document, and/or if the address on the purchase order is different than what is listed on the System Information Document.

Degree DG2 & DG3 Required Administrative Documents:

- Mandatory; all new systems will require a completed System Information Document (orders can not be entered without this document). The fully executed original document will be kept on file at Sargent Manufacturing.
- Subsequent order requirement: A specific randomized security code will be required for each order unless "Opt-Out" has been authorized by the systems administrator.

- If the "Opt Out" option is ***NOT*** selected
  - o A correct system specific (randomized) security code must be included with each subsequent order.
    - Security codes are specific to each order.
  - o If the shipping address is other than the one listed on the System Information Document, a Letter of Authorization signed by one of the recorded authorized representatives of the facility is required.
  - o Letter of Authorization must contain the same shipping address that appears on the customer's Purchase Order.
  - o Letters of Authorization will not be kept on file at factory.
  - o Without the proper security code, Letter of Authorization, or if the shipping address is other then what's listed on the System Information Document, the order cannot be processed.
- If the System Administrator elects not to use security codes as part of the authorization process, the "Opt Out" option can be authorized by the system administrator.
  - o If the "Opt Out" option ***IS*** selected
    - A system-specific security code is not required.
    - Letter of Authorization must be signed by one of the facility's authorized representatives.
    - If the shipping address is other then the one listed on the System Information Document, a Letter of Authorization will be required.
    - Letter of Authorization must contain the same shipping address that appears on the customer's Purchase Order.
    - Letters of Authorization will not be kept on file at factory.

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Degree® System Information Document

SARGENT®
ASSA ABLOY

System: _____ DG1

_____ DG2 / DG3

Note: Degree SID is required with every initial order

*IMPORTANT: Sargent Degree Product is available with a "0" cut depth for DG1 systems **only** and it is not available for use in a DG2 or DG3 security level product. If there is a possibility to elevate the DG1 system to DG2 or DG3, any master keying expansion requests should be discussed with a Sargent Key Records team specialist."*

Facility Name: _____

Mailing Address: _____ Shipping Address: _____

City: _____ City: _____

State/Province: _____ Zip/Postal Code: _____ State/Province: _____ Zip/Postal Code: _____

Phone: (_____) _____

Fax: (_____) _____

E-Mail: _____

By: _____

(Print Name, Primary Systems Administrator) (Title) (Authorized Signatures)

I understand that if any of the authorized representatives of this Facility (as listed below) are removed from their duties for any reason whatsoever, it is my responsibility to notify SARGENT Key Records Department, in writing, of their release and the names of their replacements.

Date: _____

Authorized Facility Representatives

(Print Name)	(Title)	(Authorized Signatures)
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please attach any additional Authorized Facility Representatives.

"OPT-OUT" Option (System Type DG2 & DG3 Only): By selecting this option I elect not to use the sequentially numbered registration certificates and agree to substitute them with a Letter of Authorization.

_____ Signature or initials required by System Administrator when selecting to "Opt-Out."

Note: Use this form along with the keying cover sheets found in the general information section of the price book

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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PRODUCT CATALOG

SN200/210 Series

Integrated Wired Access Control and PIV Compatible Solutions

Available through Authorized Channel Partners only.

Contact your local ASSA ABLOY Door Security Solutions sales consultant for details.

GSA FIPS 201 APPROVED

Experience a safer and more open world

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Authorized Channel Partner
ASSA ABLOY

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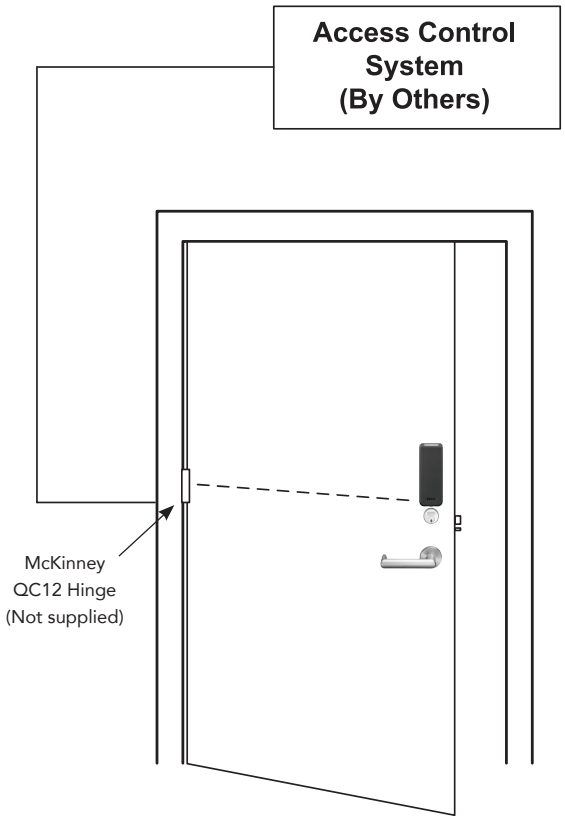
SN200/210 Series
Typical Application



As part of their promise to provide innovative, fast and effective high security solutions to their customers, certain ASSA ABLOY Group brands offer ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening.

ElectroLynx® is a registered trademark of ASSA ABLOY Inc.

MICROSHIELD®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

MICROSHIELD® COATING

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

agion Nature's antimicrobial

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

ECOFLEX® TECHNOLOGY

- Reduces energy consumption up to 96% for electrified mortise locks and up to 95% for electrified exit trims, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

EFFICIENT • FLEXIBLE • DEPENDABLE EcoFlex®

A SUSTAINABLE SOLUTION GreenCircle CERTIFIED CERTIFIED ENERGY SAVINGS

⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

On The Cover

SN200/210-10XG270 x GMB Bored Lock with the MB Studio Collection Lever

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Overview, Features and Electrical Specifications

OVERVIEW

The SARGENT SN200/210 Series brings the latest in security and versatility to our Integrated Wired access control solutions. Featuring Signo Reader Technology from HID Global®, the SN200/210 Series is ideal for mixed credential environments and enables easy migration to higher security credentials and mobile access. Available with either keypad or non-keypad reader, the SN200/210 offers the convenience of using card or PIN for authentication or for added security, card plus PIN allowing dual factor authentication.

The SN200 is available with Wiegand communication protocol while the SN210 communicates via Open Supervised Device Protocol (OSDP) allowing for secure channel, serial communication between the reader and the Physical Access Control System (PACS). OSDP is rapidly becoming the industry standard due its ability to continuously monitor end-to-end wiring, protecting against tampering and "man in the middle" attacks. Featuring AES-128 encryption, OSDP provides supervised, bi-directional communication between the reader and the PACS.

The SARGENT SN210 Series features a FICAM approved, FIPS 201-3 compliant solution for use on SP 800-116 "Controlled" security openings within US Federal Government and Military facilities. The SN210 provides a simple-to-deploy, cost-effective solution for facilities implementing PIV/PIV-I compatible security while the option for Dual Factor Authentication is available with keypad variants.

Backed by SARGENT's Grade 1 hardware, the SN Series is available in configurations for 8200 Mortise Locks, 10X Line Cylindrical Locks, a variety of PE80 and 80 Series Exit Devices including vertical rod functions, and FM7300 Multi Point devices.

SN Series Signo Reader Technology Solution

Featuring Signo Reader Technology from HID Global®, the SN Series supports multiple industry leading credentials, making it ideal for mixed credential populations and facilities transitioning to higher security credentials.

The SN200/210 Series is available with two options for credential support:
1. Mobile 2.4 GHz and High Frequency 13.56 MHz only
2. Mobile 2.4 GHz, High Frequency 13.56 MHz, and Low Frequency 125kHz

HID Mobile Access® Compatible

HID Mobile Access merges security with convenience by enabling a smartphone and other mobile devices to securely open a door. This unique solution enables Bluetooth Smart-enabled Signo readers to activate with a close range "tap" of a smartphone, or from a distance with HID Global's patented "Twist and Go" mode. Active feedback including vibration and sound enhances the user experience when opening doors.

ABOUT ASSA ABLOY'S AUTHORIZED CHANNEL PARTNER AND CERTIFIED INTEGRATOR PROGRAMS

The SARGENT SN Series is part of a stream of new ASSA ABLOY products moving from traditional mechanical locks to being extensions of access control systems in facilities. These exciting new technology-rich products require an increase in knowledge to ensure the correct selection and implementation in various environments.

To aid our customers in this area, ASSA ABLOY has created two programs that provide the necessary training to sell, order, install & service our technology products, including Aperio® Wireless, Integrated Wired, IP-enabled and self-configurable intelligent components:

Sold through

Authorized Channel Partner ASSA ABLOY

- *The Authorized Channel Partner (ACP)* program is open to resellers, who sell ASSA ABLOY's technology products to certified integrators, and help with product selection based on the application.

To be installed by

Certified Integrator ASSA ABLOY

- *The Certified Integrator (CI)* program provides hands-on training for security systems integrators and network administrators. Not only does this training familiarize certified integrator candidates with product features and applications, it also gives them valuable experience installing, commissioning, and troubleshooting the products in a real-world environment.

For more information on the qualifications for becoming an ACP or CI, contact your local ASSA ABLOY Door Security Solutions sales consultant for details.

Note: HID and iCLASS are registered trademarks of HID Global Corporation.

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

SOPHISTICATED ACCESS CONTROL SOLUTION

- Features HID Global's Secure Identity Object (SIO™) digital credential technology to provide advanced security and performance
  - SIO digital credentials support data authenticity and privacy by binding information to a specific credential for additional authentication and encryption on top of device-specific security
- Features HID® Signo Reader Technology to support multiple credentials
  - Ideal for mixed credential environments and offers easy migration to higher security credentials and HID Mobile Access® powered by Seos®.
    - 2.4 GHz credentials:
      - Secure Identity Object™ (SIO) on Mobile IDs (Bluetooth Smart)
    - 13.56 MHz credentials:
      - Secure Identity Object™ (SIO) on iCLASS Seos, iCLASS SE/SR, MIFARE DESFire EV1/EV2 and MIFARE Classic (on by default)
      - Standard iCLASS Access Control Application, ISO14443A (MIFARE) CSN, ISO14443B CSN, and ISO15693 CSN
      - Apple Wallet
      - ISO14443A/B (PIV-compatible Transparent FASC-N read) available with FIPS and FKIPS variants
      - NFC-enabled mobile phones
    - 125 kHz credentials:
      - HID Prox®, AWID, EM4102
    - For SN Series locks purchased on or after March 2nd, 2026, the ability to provision custom third-party credentials to the reader will be available for SN200 and SN210 locks using the HID Reader Manager App. This new feature is available with BIPS and BIKPS credential modifiers only. Please contact HID with questions regarding how to configure these credentials via HID Reader Manager.
- Consolidates all components into the lock
  - Incorporates card reader, Door Position Switch (DPS) and Request to Exit (REX) signaling
  - Eliminates reader interface modules
- Significantly faster installation time, lower installed cost and reduced disruption
  - Requires only one cable run from the lock to the access control panel
  - Maintains architectural integrity around the door
- Surface detection feature allows reader to sense when it is mounted on metal and automatically recalibrate to optimize read range performance
- Open architecture platform is compatible with all standard access control systems
- Aesthetically complemented by SARGENT Studio Collection and Coastal Series levers - elegant design with ANSI Grade 1 hardware offering a complete hardware portfolio, including mortise locks, cylindrical locks and rim, surface and concealed vertical rod exit trim

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Overview, Features and Electrical Specifications

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COMMON FEATURES OF SN SERIES

- Keypad option for PIN and/or credential authentication
- A hard-wired platform for use with existing compatible access control systems
- Centralized control of all locks using customer's existing access control system
- For use on exterior doors
- A multi-colored LED indicates card read activity and can be manually controlled by access control panel
- Audible beep sounds with card read
- UL Listed for fire doors available (12- for exit devices) *
- UL Listed for Fire Doors Certified for Canada *
- Fail Safe or Fail Secure operation
- ElectroLynx® connector system reduces installation time and costs, improves reliability
- Monitoring is based on lock type selected
- Intelligent power management reduces reader power consumption by as much as 75%

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

ELECTRICAL SPECIFICATIONS

Supplied power must be filtered and regulated

		12v		24V	
Cylindrical		Average	Peak	Average	Peak
	Reader	75mA	250mA	N/A	N/A
	Actuator	10mA	500mA	10mA	500mA
Mortise		12v		24V	
		Average	Peak	Average	Peak
	Reader	75mA	250mA	N/A	N/A
	Actuator	15mA	500mA	15mA	500mA
Exit Device		12v		24V	
		Average	Peak	Average	Peak
	Reader	75mA	250mA	N/A	N/A
	Actuator	15mA	500mA	15mA	500mA
	56- ELR	N/A	N/A	250mA dogged	1A inrush 600mA during retraction
Multi-Point		12v		24V	

EcoFlex® mortise locks, exit devices, or multipoint locks:
12-24VDC Systems
- Reader draw = .125 Amp
- Peak actuator draw = .015 Amp continuous
- Maximum (2) locks per 1 Amp power supply (1/2 Amp peak current draw)

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8200 Series Mortise Locks

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The SN Series Mortise Lock product integrates SARGENT's 8200 Series Grade 1 mortise lock into an existing compatible access control system. The SN Series Mortise lock monitors the deadlatch as well as the latchbolt, producing SARGENT's "Latched and Secure" monitoring. This technology incorporates the deadlatch and latchbolt position in series, ensuring that the door is closed and the latchbolt is extended.

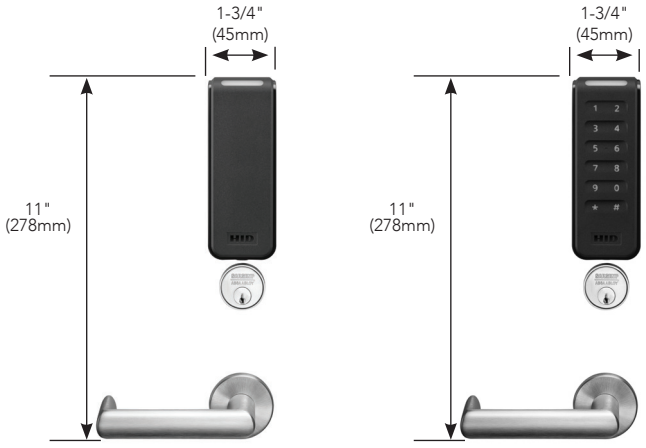
The SN Series mortise product has a clean, crisp design and is available with standard levers, Coastal Series levers and Studio Collection levers with roses in 13 hardware finishes. The use of similar lever designs across product lines provides uniformity within a facility. The mortise lock strength is unsurpassed and is enhanced by the deadbolt functions which meet Detention Impact Level One for additional security.

The SN200 Series Mortise Lock product is available with two options for UL294 compliance and reader LED indicator configuration:

1. Bluetooth Smart, UL294 Compliant, tamper wire connected:
   - LED displays red in locked and unlocked state
   - Listed to UL294 (Access Control System Units)
2. Bluetooth Smart, Non-UL294 Compliant, green LED wire connected:
   - LED displays red in locked state and green in unlocked state
   - Provides easy visual indication of lock status
   - Product is NOT compliant to UL294 (Access Control System Units)

MECHANICAL FEATURES

- Certified ANSI/BHMA Grade 1
- 3/4" stainless steel, anti-friction reversible latch
- 1" hardened stainless steel deadbolt
- Stainless steel non-handed deadlocking latch
- Available with Studio Collection, Coastal Series, and standard lever designs.
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Key override requires a #41 cylinder standard
- Handed lockbody, easily field reversible without opening lockbody
- Trim is through-bolted for increased security and durability
- Features EcoFlex® technology
- SN Series 8200 Mortise Lock Windstorm Information
  - UL Listed per ANSI/SDI-BHMA A250.13
  - UL Certification Directory ZHEM.R21744 Latching Hardware
  - UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
  - Listed on Florida Building Code Website: FL6728-R1
  - Listed on Florida Building Code Website: FL4351-R1 (see Page 38 for additional information)
- Listed to UL 294 (Access Control System Units); Directory ALVY. BP10423*



SN200/210-82281 shown with
MB Studio Collection Levers and LN roses

ELECTRICAL FEATURES

- Available with either keypad or non-keypad reader
- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Lock 12-24VDC
- Reader always 12VDC

ESCUTCHEONS

- Plastic front escutcheon, solid cast rear escutcheon
- Operating temperature -31°F (-35°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Projection is approximately 3/4"

*UL294 listing for SN200 Series available with 03, 04, or 0D credential modifier only. SN210 is always UL294 compliant. See Ordering SN Series Mortise Locks for more detail.

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8200 Series Mortise Locks

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OPTIONS

Select options from pages 35-37

SN SERIES MORTISE LOCK FUNCTIONS

All SN Series Mortise Functions feature:

- Trim outside rigid unless unlocked electronically
- Trim inside always retracts latch and/or deadbolt
- Guardbolt deadlocks latch
- Request-to-Exit monitoring
- Door Position monitoring

Description of Functions: (see chart at right)

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- Key Override: Key outside retracts latch and/or deadbolt when trim is locked electronically
- Deadbolt projected and retracted by thumbturn or key

SN SERIES MORTISE LOCK FUNCTIONS

If the lock needs to have:		Then select:		
		Series	Type	Function
No key override and no deadbolt	Fail Safe	SN200 (Wiegand) SN210 (OSDP)	82	274
	Fail Secure	SN200 (Wiegand) SN210 (OSDP)\	82	275
No key override with deadbolt	Fail Safe	SN200 (Wiegand) SN210 (OSDP)	82	284
	Fail Secure	SN200 (Wiegand) SN210 (OSDP)	82	285
Key override and no deadbolt	Fail Safe	SN200 (Wiegand) SN210 (OSDP)	82	270
	Fail Secure	SN200 (Wiegand) SN210 (OSDP)	82	271
Key override and deadbolt	Fail Safe	SN200 (Wiegand) SN210 (OSDP)	82	280
	Fail Secure	SN200 (Wiegand) SN210 (OSDP)	82	281

CREDENTIAL MODIFIER

03	UL294 Compliant, tamper wire connected BIS/BIKS/BIPS/ BIKPS/ FIPS/FIKPS: 200-bit output (FIPS/FIKPS)
0E	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected BIS, BIKS, BIPS, BIKPS only
04	UL294 Compliant, tamper wire connected FIPS/FIKPS: 75-bit output
0D	UL294 Compliant, tamper wire connected FIPS/FIKPS: 128-bit output
0F	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected FIPS/FIKPS: 200-bit output
0G	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected FIPS/FIKPS: 75-bit output
0H	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected FIPS/FIKPS: 128-bit output

OUTSIDE ELECTRICAL TRIM

BIS	HID Mobile Access® Ready and Bluetooth Smart capable; High Frequency credentials ONLY supported
BIKS	HID Mobile Access® Ready and Bluetooth Smart capable with keypad; High Frequency credentials ONLY supported
BIPS	HID Mobile Access® Ready and Bluetooth Smart capable; High and Low Frequency credentials supported
BIKPS	HID Mobile Access® Ready and Bluetooth Smart with keypad; High and Low Frequency credentials supported
FIPS	PIV compatible
FIKPS	PIV compatible with Keypad

ROSES/LEVERS/FINISH

Select rose, lever and finish from pages 29-32

HIGH SECURITY MONITORING OPTIONS

Internal End-of-Line Monitoring
Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

Select a compatible resistor configuration and add the appropriate prefix to your order string:

– **R01:** Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision
– **R03:** Software House compatible 1KΩ/2KΩ resistance supervision
– **R04:** AMAG compatible 4-state supervision

Deadbolt Privacy Function (PHR-)
– Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.
– Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower areas
– To order, add the PHR- prefix to your order string (available only with deadbolt)

Integrated Door Position Switch (IDP-)
– The patented IDP option adds a magnetic door position switch in series with the internal auxiliary latch and latchbolt position switches to provide three factor monitoring.
– This offers added assurance that the door is secure, reduces the likelihood of attack, and is aesthetically pleasing because it conceals the door position switch behind the front plate and the magnet behind the strike.
– To order, add the IDP- prefix to your order string

ORDERING SN SERIES MORTISE LOCKS

Options	Series	Type	Function	Lock Voltage**	Outside Electrical Trim	Credential Modifier*	Roses	Levers	Finish	Hand
R01-IDP	SN200	82274		12V	BIPS	03	LN	MD	26D	LHR
R04-PHR-IDP	SN210	82280		24V	BIKPS	0E	LN	MD	26D	RHR

*SN210 BIS, BIKS, BIPS and BIKPS only available with 0E credential modifier; SN210 FIPS and FIKPS only available with 03 or 0D credential modifier. SN210 is always UL294 Compliant.
**With SN Series, the reader is always 12VDC. Please select either 12VDC or 24VDC for the lock voltage.

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10X Line Cylindrical Locks

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The SN Series 10X Line Cylindrical Lock offers the ability to seamlessly integrate Grade 1 security into an existing compatible access control system. Door monitoring capabilities include a Request-to-Exit sensor which monitors movement of the inside lever and external Door Position Switch (3287).

The SN Series 10X Line Cylindrical Lock has a clean, crisp design and is available with many lever styles and eleven hardware finishes. The ability to use similar lever designs across the three product offerings provides uniformity when used throughout a facility.

The SN200 Series Cylindrical Lock is available with 2 options for UL294 compliance and reader LED indicator configuration:

1. Bluetooth Smart, UL294 Compliant, tamper wire connected:
   - LED displays red in locked and unlocked state
   - Listed to UL 294 (Access Control System Units)
2. Bluetooth Smart, Non-UL 294 Compliant, green LED wire connected:
   - LED displays red during locked state and green in unlocked
   - Provides easy visual identification of lock status
   - Product is NOT compliant to UL 294 (Access Control System Units)

MECHANICAL FEATURES

- Certified and exceeds ANSI/BHMA A156.2 Series 4000 - Grade 1
- "Request-to-Exit (REX)" signaling standard
- Latch Stainless Steel, 1/2" (13mm) throw
- Features EcoFlex® technology
- 2-3/4" (70mm) backset standard. 3-3/4" and 5" backsets also available
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Heavy duty lever spring return
- Steel mounting studs
- Key override standard
- SN Series 10X Line Windstorm Information
  - UL Listed per ANSI/SDI-BHMA A250.13
  - UL Certification Directory ZHEM.R21744 Latching Hardware
  - UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
  - Listed on Florida Building Code Website: FL6728-R1
  - Listed on Florida Building Code Website: FL4351-R1 (see Page 38 for additional information)
- Listed to UL 294 (Access Control System Units); Directory ALVY.BP10423*

SN SERIES 10X LINE CYLINDRICAL LOCK FUNCTIONS

270 Fail Safe - Power off unlocks outside trim
271 Fail Secure - Power off locks outside trim

- Key outside always retracts latch
- Lever outside rigid except when trim is unlocked electronically, freewheeling optional
- Lever inside always retracts latch
- Guardbolt deadlocks latch
- Request-to-Exit signaling standard
- Door Position Switch (DPS, part #3287) supplied to allow for full monitoring (see DPS features on page 8)
- 10X Line Levers and Roses are shown on page 29 & 31

ESCUTCHEONS

- Plastic front escutcheon, solid cast rear escutcheon
- Operating temperature -31°F (-35°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Projection is approximately 3/4"

*UL294 listing for SN200 Series available with 03, 04, or 0D credential/modifier only. SN210 is always UL294 compliant. See Ordering SN Series Mortise Locks for more detail.

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10X Line Cylindrical Locks

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SN SERIES ELECTRICAL FEATURES

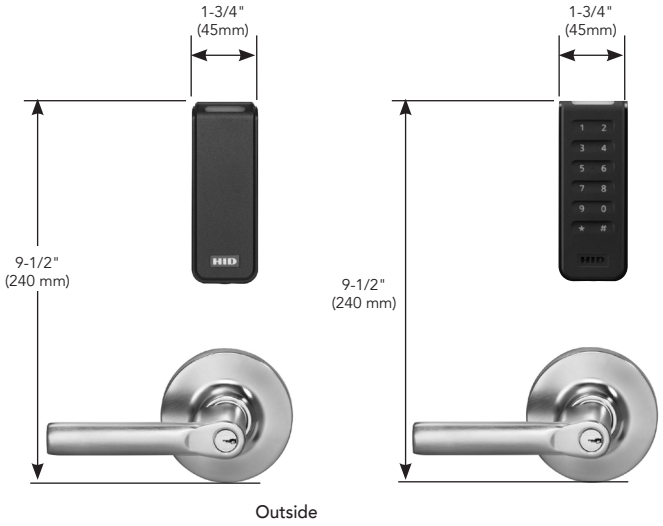
- Available with either keypad or non-keypad reader
- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Reader always 12VDC
- Fail Safe or Fail Secure option

SN SERIES CYLINDRICAL LOCK FUNCTIONS

If the lock needs to have:		Then select:		
		Series	Type	Function
Key override	Fail Safe	SN200 (Wiegand) SN210 (OSDP)	10XG	270
	Fail Secure	SN200 (Wiegand) SN210 (OSDP)	10XG	271

3287 DOOR POSITION SWITCH (DPS)

- SPDT concealed switch (3 wire)
- Contacts rated .50 Amp @ 12VDC
- Contacts rated .25 Amp @ 24VDC
- Requires 1" diameter hole



CREDENTIAL MODIFIER

03	UL294 Compliant, tamper wire connected BIS/BIKS/BIPS/ BIKPS/ FIPS/FIKPS: 200-bit output (FIPS/FIKPS)
0E	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected BIS, BIKS, BIPS, BIKPS only
04	UL294 Compliant, tamper wire connected FIPS/FIKPS: 75-bit output
0D	UL294 Compliant, tamper wire connected FIPS/FIKPS: 128-bit output
0F	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected FIPS/FIKPS: 200-bit output
0G	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected FIPS/FIKPS: 75-bit output
0H	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected FIPS/FIKPS: 128-bit output

OUTSIDE ELECTRICAL TRIM

BIS	HID Mobile Access® Ready and Bluetooth Smart capable; High Frequency credentials ONLY supported
BIKS	HID Mobile Access® Ready and Bluetooth Smart capable with keypad; High Frequency credentials ONLY supported
BIPS	HID Mobile Access® Ready and Bluetooth Smart capable; High and Low Frequency credentials supported
BIKPS	HID Mobile Access® Ready and Bluetooth Smart with keypad; High and Low Frequency credentials supported
FIPS	PIV compatible
FIKPS	PIV compatible with Keypad

ORDERING SN SERIES CYLINDRICAL LOCKS

Options	Series	Type	Function	Outside Electrical Trim	Credential Modifier*	Roses	Levers	Finish	Hand
	SN200	10XG	270	BIPS	03	L	MD	03	RH
Example	SN210	10XG	271	BIKPS	0E	L	MD	03	RH

*SN210 BIS, BIKS, BIPS and BIKPS only available with 0E credential modifier; SN210 FIPS and FIKPS only available with 03 or 0D credential modifier. SN210 is always UL294 Compliant.

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80 Series Exit Devices

Authorized Channel Partner
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The SN Series Exit Device product selection is SARGENT's most extensive exit device access control offering including 8800 Rim Exit Devices, 8900 Mortise Exit Devices, 8700 Surface Vertical Rod (SVR) Exit Devices and 8600 Concealed Vertical Rod (CVR) Exit Devices.

The SN200 Series Exit Device is available with two options for reader LED indicator configuration:

1. Bluetooth Smart, UL294 Compliant, tamper wire connected:
   - LED displays red in locked and unlocked state
   - Listed to UL294 (Access Control System Units)

2. Bluetooth Smart, Non-UL294 Compliant, green LED wire connected:
   - LED displays red in locked state and green in unlocked state
   - Provides easy visual indication of lock status
   - Product is NOT compliant to UL294 (Access Control System Units)

MECHANICAL FEATURES:

- Certified ANSI/BHMA A156.3 Grade 1
- Listed to UL 294 (Standard of Safety for Access Control System Units); Directory ALVY.BP10423*
- For 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- Always allows free egress
- Trim outside rigid at all times unless unlocked electronically
- Request-to-Exit (REX) Signal Switch activated by pushing rail
- Door Position Switch (DPS, part #3287) supplied to allow for full monitoring (see DPS features, page 8)
- 80 Series Levers are shown on page 29-32
- Features EcoFlex® technology

DESCRIPTION OF FUNCTIONS: (see chart below)

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- Key Override Key outside retracts latch when trim is locked electronically

CONCEALED VERTICAL ROD/SURFACE VERTICAL ROD MODELS FEATURE:

- Key override is available for MD/WD/AD8600 CVR Devices (including NB-) with 106 Series Auxiliary Control
- Key override is available for 8700 SVR Devices with a 306 Series Auxiliary Control
- Key override is NOT available for NB-SN200/210-8700 devices
- The AFF is 41" for Standard Applications; when a 100 or 300 Series Auxiliary Control is used, 38" AFF is recommended to meet local accessibility standards

SN SERIES ELECTRICAL FEATURES

- Available with either keypad or non-keypad reader
- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Lock Motor 12VDC or 24VDC
- Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

SN SERIES EXIT DEVICE FUNCTIONS

	8900 Mortise Exit Devices			8800 Rim Exit Devices			8700 Surface Vertical Rod Exit Devices			8600 Concealed Vertical Rod Exit Devices		
	Mortise Exit			**Rim Exit**			**SVR Exit**			**CVR Exit†**		
If the lock needs to have:	**Then select:**											
	Series	**Type**	**Function**	**Series**	**Type**	**Function**	**Series**	**Type**	**Function**	**Series**	**Type**	**Function**
No key override												
Fail Safe	SN200 (Wiegand) SN210 (OSDP)	89	73	SN200 (Wiegand) SN210 (OSDP)	88	73	SN200 (Wiegand) SN210 (OSDP)	87	73	SN200 (Wiegand) SN210 (OSDP)	MD86/WD86 /AD86	73
Fail Secure	SN200 (Wiegand) SN210 (OSDP)	89	74	SN200 (Wiegand) SN210 (OSDP)	88	74	SN200 (Wiegand) SN210 (OSDP)	87	74	SN200 (Wiegand) SN210 (OSDP)	MD86/WD86 /AD86	74
Key override												
Fail Safe	SN200 (Wiegand) SN210 (OSDP)	89	75	SN200 (Wiegand) SN210 (OSDP)	88	75	SN200 (Wiegand) SN210 (OSDP)	–	–	SN200 (Wiegand) SN210 (OSDP)	–	–
Fail Secure	SN200 (Wiegand) SN210 (OSDP)	89	76	SN200 (Wiegand) SN210 (OSDP)	88	76	SN200 (Wiegand) SN210 (OSDP)	–	–	SN200 (Wiegand) SN210 (OSDP)	–	–

*UL294 listing for SN200 Series available with 03, 04, or 0D credential modifiers only. SN210 is always compliant for UL294.
†8600 CVR Exit Devices must be ordered as WD for wood doors, AD for aluminum doors, or MD for metal doors.

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ESCUTCHEONS

- Plastic front escutcheon, solid cast rear escutcheon
- Operating temperature -31°F (-35°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Proximity Reader Projection is approximately 3/4"

OUTSIDE ET LEVER CONTROL

- Brass escutcheon
- Projection 13/16" (21mm)

OPTIONS

Select options from pages 35-37

RAIL SIZE

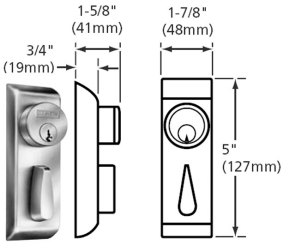
E: 24-32" F: 33-36" J: 37-42"
G: 43-48"

OUTSIDE ELECTRICAL TRIM

BIS	HID Mobile Access® Ready and Bluetooth Smart capable; High Frequency credentials ONLY supported
BIKS	HID Mobile Access® Ready and Bluetooth Smart capable with keypad; High Frequency credentials ONLY supported
BIPS	HID Mobile Access® Ready and Bluetooth Smart capable; High and Low Frequency credentials supported
BIKPS	HID Mobile Access® Ready and Bluetooth Smart with keypad; High and Low Frequency credentials supported
FIPS	PIV compatible
FIKPS	PIV compatible with Keypad

KEY OVERRIDE FOR SN SERIES-8600 & SN SERIES-8700

- The 106 Series Auxiliary Control offers key override for MD/WD/AD8600 and NB-MD/WD/AD8600 Series Device.
  Order example:
  SN200-MD8674F x 12VDC x BIPS x 0E x ETL x 106 x RHR x 32D x 36" x 96
- The 306 Series Auxiliary Control offers key override for 8700 Series Device.
  Order example:
  SN210-8773F x 12VDC x BIPS x 0E x ETL x 306 x RHR x 32D x 36" x 84"



CREDENTIAL MODIFIER

03	UL294 Compliant, tamper wire connected BIS/BIKS/BIPS/ BIKPS/ FIPS/FIKPS: 200-bit output (FIPS/FIKPS)
0E	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected BIS, BIKS, BIPS, BIKPS only
04	UL294 Compliant, tamper wire connected FIPS/FIKPS: 75-bit output
0D	UL294 Compliant, tamper wire connected FIPS/FIKPS: 128-bit output
0F	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected FIPS/FIKPS: 200-bit output
0G	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected FIPS/FIKPS: 75-bit output
0H	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected FIPS/FIKPS: 128-bit output

TRIM/LEVERS/FINISH

Select ET followed by lever designation from pages 29-32 and finish from page 30

DOOR WIDTH

If supplied, rails will be cut to size

OPENING HEIGHT

Required for Vertical Rod Exit Devices

AFF

Center Line of Rail above Finished Floor (41"std)

ORDERING SN SERIES EXIT DEVICES

Options	Series	Type	Function	Rail Size	Motor**	Outside Electrical Trim	Credential Modifier*	Trim/Lever	Hand	Finish	Door Width	Opening Height	AFF
DG1	SN200	8773		F	12V	BIPS	03	ETL	RHR	10B	36"	84"	41"
DG1	SN210	8973		J	12V	BIKPS	0E	ETL	LHR	32D	42"	84"	41"

*SN210 BIS, BIKS, BIPS and BIKPS only available with 0E credential modifier; SN210 FIPS and FIKPS only available with 03 or 0D credential modifier. SN210 is always UL294 Compliant.
**The SN Series reader is always 12VDC. Please select either 12VDC or 24VDC for the Motor.

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80 Series Exit Devices

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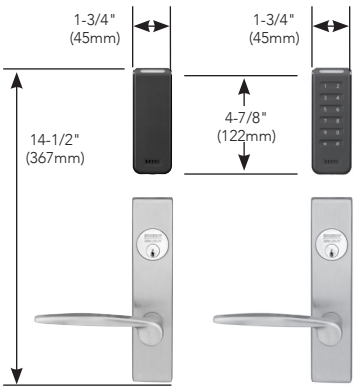
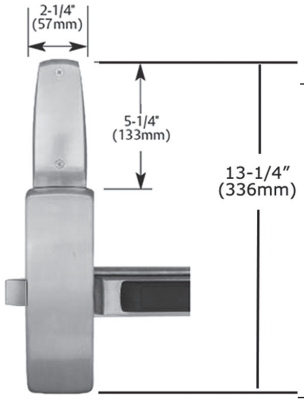
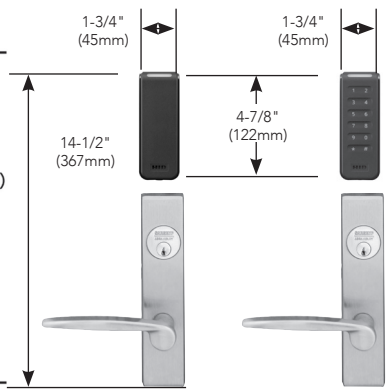


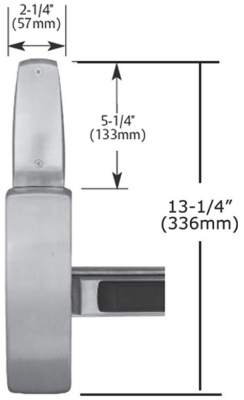
SN Series 8800 Outside View



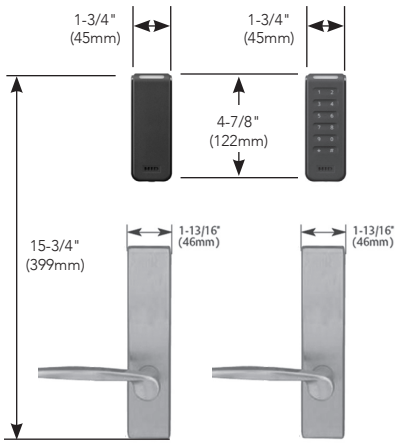
SN Series 8800 Inside View



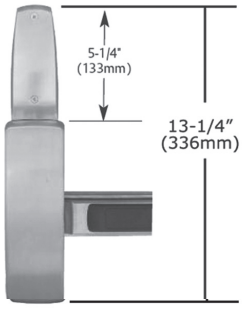
SN Series 8900 Outside View



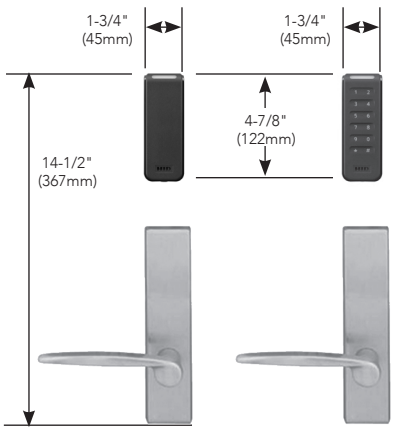
SN Series 8900 Inside View



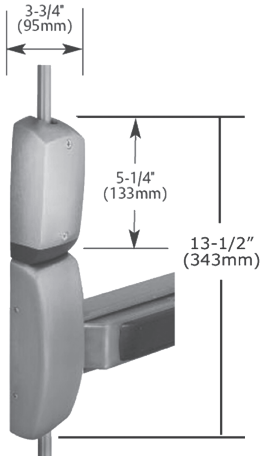
SN Series AD/MD/WD8600 Outside View



SN Series AD/MD WD8600 Inside View



SN Series 8700 Outside View



SN Series 8700 Inside View

HOW TO SPECIFY AND ORDER ET TRIM ONLY (without Exit Device or Reader)

Specify N1 in the order string

- For 8900 Mortise Exit Devices: N1-773 ET*, N1-774 ET*, N1-775 ET* & N1-776 ET*
- For 8800 Rim Exit Devices: N1-773-8 ET*, N1-774-8 ET*, N1-775-8 ET* & N1-776-8 ET*
- For 8700 SVR Exit Devices: N1-773 ET* & N1-774 ET*
- For All 8600 CVR Exit Devices: N1-773-4 ET* & N1-774-4 ET*

* Specify lever design, finish and voltage

Note: Cylinder Keyed Different is supplied unless otherwise specified

EXIT WINDSTORM INFORMATION:

- SN Series (SE Series) 8900 is UL Certification Directory ZHLL.R21744 Windstorm-Rated Assemblies
- SN Series (SE Series) WS8900 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware and listed on Florida Building Code Website: FL4351-R1 (See Page 38 for details)
- SN Series (SE Series) WS8800 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware and listed on Florida Building Code Website: FL4351-R1 (See Page 38 for details)
- SN Series HC8800 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware, UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies and listed on Florida Building Code Website: FL2998-R2 (See Page 38 for details)
- SN Series HC4-8700 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21774 Latching Hardware and listed on Florida Building Code Website: FL12712.2 (see page 38 for details)

CYLINDER SIZES & TYPES FOR SN SERIES EXIT DEVICES

Note: All mortise cylinders require a SARGENT standard offset cam (13-0664)

M1 Products	1-3/4" Door Thickness	1-3/4" Door Thickness with Weather Shield
SN200/210-8900 Mortise Exit	# 46 Mortise (1-3/4")	# 46 Mortise (1-3/4")
SN200/210-8800 Rim Exit	# 34 Rim	# 34 Rim
SN200/210-8700 w/306 Control SVR Exit	# 41 Mortise (1-1/8")	# 41 Mortise (1-1/8")
SN200/210-8600 w/106 Control CVR Exit	# 41 Mortise (1-1/8")	# 41 Mortise (1-1/8")

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Electric Latch Retraction Option (56-)

Authorized Channel Partner
ASSA ABLOY

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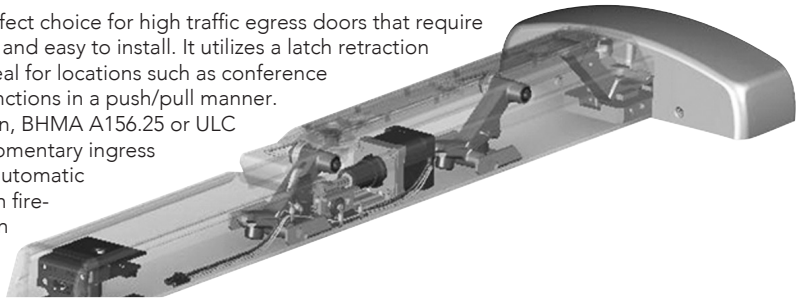
SARGENT's Electric Latch Retraction exit device is the perfect choice for high traffic egress doors that require access control. This non-handed exit device rail is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner. Electric Latch Retraction variants are NOT UL294 6th edition, BHMA A156.25 or ULC S319 compliant. The 56- exit device can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can be dogged continuously on fire-rated devices that are tied into the building's fire detection system.



The SN200 56- Exit Device product is available with two options for reader LED indicator configuration:

1. Bluetooth Smart, tamper wire connected:
   - LED displays red in locked and unlocked state
2. Bluetooth Smart, green LED wire connected:
   - LED displays red in locked state and green in unlocked state
   - Provides easy visual indication of lock status

56- ELECTRIC LATCH RETRACTION FEATURES

- 5 year warranty
- U.S. Patent No. 7,484,777; Additional patent(s) pending
- Motor driven latch retraction for smooth, precise operation
- Amount of rail retraction is automatically controlled by the 56- circuitry; System actively monitors its position and adjusts itself
- UL Listed for Class II Circuitry
- Power Requirements (supplied power must be filtered and regulated):
- Reader: 12VDC (200 mA)
- Exit Device: 24VDC (1 A inrush 600 mA during retraction, 250 mA maintained)
- Minimum Door Widths:
  – Wide Stile Door 28"
  – Narrow Stile Door 28"
- See McKinney's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 56- option
  (e.g., 56-SN200-8913F x ETMF x 32D x 36")

ELECTRICAL FEATURES

- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Available with either keypad or non-keypad reader
- Lock Motor 12VDC or 24VDC
- Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

ACCESSORIES

Required

- LSP-12-24 Power Supply
- Electric transfer device also required

Optional

- 881 Monitor Strike

Note: HK- and 16- are not available for Fire Rated Doors

Note: The 56- Option is not supplied with Manual Dogging (Hex Key or Cylinder Dogging) unless specified

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Electric Latch Retraction Option (56-)

Authorized Channel Partner
ASSA ABLOY

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OPTIONS

Select options from pages 35-37

TYPE/FUNCTION

Select from Exit Device Function page 14

RAIL SIZE

E: 28-32" F: 33-36" J: 37-42"
G: 43-48"

OUTSIDE ELECTRICAL TRIM

BIS	HID Mobile Access® Ready and Bluetooth Smart capable; High Frequency credentials ONLY supported
BIKS	HID Mobile Access® Ready and Bluetooth Smart capable with keypad; High Frequency credentials ONLY supported
BIPS	HID Mobile Access® Ready and Bluetooth Smart capable; High and Low Frequency credentials supported
BIKPS	HID Mobile Access® Ready and Bluetooth Smart with keypad; High and Low Frequency credentials supported
FIPS	PIV compatible
FIKPS	PIV compatible with Keypad

CREDENTIAL MODIFIER

03	Tamper wire connected BIS/BIKS/BIPS/BIKPS/FIPS/FIKPS: 200-bit output (FIPS/FIKPS)
0E	Green LED wire connected BIS, BIKS, BIPS, BIKPS only
04	Tamper wire connected FIPS/FIKPS: 75-bit output
0D	Tamper wire connected FIPS/FIKPS: 128-bit output
0F	Green LED wire connected FIPS/FIKPS: 200-bit output
0G	Green LED wire connected FIPS/FIKPS: 75-bit output
0H	Green LED wire connected FIPS/FIKPS: 128-bit output

Function Description and Cylinder Information	SARGENT Function #	ANSI Function #
Night latch, key retracts latch #34 cylinder for 8800 #46 mortise cylinder for 8900 with ET #41 cylinder for 8900 with FLL, FLW, PTB, MAL, STS	04/44	03
Key unlocks trim, trim retracts latch/trim relocks when key is removed, #41 cylinder supplied	06/46	09
No outside operation (no cylinder), ET Control is used as pull only	10/40	02
Key unlocks/locks trim, #41 cylinder supplied	13/43	08

TRIM/LEVERS/FINISH

Select trim/pull design from function chart below; for ET trim, select lever designation from pages 29-32 and finish from page 30

DOOR WIDTH

If supplied, rails will be cut to size

OPENING HEIGHT

Required for Vertical Rod Exit Devices

AFF

Center Line of Rail above Finished Floor (41"std)

PULL TRIM OPTIONS

SARGENT Function Number	ANSI Function Numbers	Description Cylinder Info. (1-3/4" Door)						
04	03	Night Latch (key retracts latch)	FLL/FSL	FLW/FSW	MAL/MSL	PTB/PSB	STS	862/863/ 864
10	02	Pull Only (no O/S operation)	FLL	FLW	MAL	PTB	STS	862/863/ 864

ORDERING SN SERIES EXIT DEVICES WITH ELECTRIC LATCH RETRACTION

Options	Series	Type	Function*	Rail Size	Outside Electrical Trim	Credential Modifier**	Trim/Lever	Hand	Finish	Door Width	Opening Height	AFF
DG1	56-SN200	87	10	F	BIPS	0E	FLL	RHR	32D	36"	84"	41"

*Available with the following mechanical options: 12, 16, HK, 19, 43, 76, 85, 86, 87, CPC, SG. See page 35 for detailed descriptions. See pages 36-37 for cylinder options
**SN210 BIS, BIKS, BIPS and BIKPS only available with 0E credential modifier. SN210 FIPS and FIKPS only available with 03 or 0D credential modifier.

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Electric Latch Retraction Option (56-)

Authorized Channel Partner
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ASSA ABLOY

SN SERIES 56- EXIT DEVICE FUNCTIONS

If the trim needs to be:	8900 Mortise Exit Devices				8800 Rim Exit Devices				8700 Surface Vertical Rod Exit Devices				8600 Concealed Vertical Rod Exit Devices[1]			
	Type	Function	Rail Size	Trim/ Lever	Type	Function	Rail Size	Trim/ Lever	Type	Function	Rail Size	Trim/ Lever	Type[1]	Function	Rail Size	Trim/ Lever
ET Control																
With: Night Latch (Key retracts latch)	89	04	See chart page 13	ET x Lever	88	04	See chart page 13	ET x Lever	–	–	–	–	–	–	–	–
With: Night Latch (Key/lever retracts latch)	89	06	See chart page 13	ET x Lever	88	06	See chart page 13	ET x Lever	87	06	See chart page 13	ET x Lever	AD86/ MD86/ WD86	06	See chart page 13	ET x Lever
With: Dummy ET Trim (No cylinder override)	89	10	See chart page 13	ET x Lever	88	10	See chart page 13	ET x Lever	87	10	See chart page 13	ET x Lever	AD86/ MD86/ WD86	10	See chart page 13	ET x Lever
With: Entrance (Key locks/ unlocks lever)	89	13	See chart page 13	ET x Lever	88	13	See chart page 13	ET x Lever	87	13	See chart page 13	ET x Lever	AD86/ MD86/ WD86	13	See chart page 13	ET x Lever
With: Auxiliary Control for Cylinder Override with Dummy ET Trim	–	–	–	–	–	–	–	–	87	10	See chart page 13	ET x Lever x 306	AD86/ MD86/ WD86	10	See chart page 13	ET x Lever x 106

	Type	Function	Rail Size	Trim	Type	Function	Rail Size	Trim	Type	Function	Rail Size	Trim	Type[1]	Function	Rail Size	Trim
Freewheeling ET Control																
With: Night Latch (Key Retracts Latch)	89	44	See chart page 13	ET x Lever	88	44	See chart page 13	ET x Lever	–	–	–	–	–	–	–	–
With: Night Latch (Key/lever retracts latch)	89	46	See chart page 13	ET x Lever	88	46	See chart page 13	ET x Lever	87	46	See chart page 13	ET x Lever	AD86/ MD86/ WD86/	46	See chart page 13	ET x Lever
With: Dummy ET Trim (No cylinder override)	89	40	See chart page 13	ET x Lever	88	40	See chart page 13	ET x Lever	87	40	See chart page 13	ET x Lever	AD86/ MD86/ WD86/	40	See chart page 13	ET x Lever
With: Entrance (Key locks/unlocks lever)	89	43	See chart page 13	ET x Lever	88	43	See chart page 13	ET x Lever	87	43	See chart page 13	ET x Lever	AD86/ MD86/ WD86/	43	See chart page 13	ET x Lever
With: Auxiliary Control for Cylinder Override with Dummy ET Trim	–	–	–	–	–	–	–	–	87	40	See chart page 13	ET x Lever x 306	AD86/ MD86/ WD86/	40	See chart page 13	ET x Lever x 106

	Type	Function	Rail Size	Trim	Type	Function	Rail Size	Trim	Type	Function	Rail Size	Trim	Type[1]	Function	Rail Size	Trim
Pull Trim																
With: Night Latch (Key retracts latch)	89	04	See chart page 13	FLL, FLW, MAL, PTB, STS	88	04	See chart page 13	FSL, FSW, MSL, PSB, STS, 862, 863, 864	–	–	–	–	–	–	–	–
With: Dummy Pull (No Cylinder Override)	89	10	See chart page 13	FLL, FLW, MAL, PTB, STS	88	10	See chart page 13	FLL, FLW, MAL, PTB, STS, 862, 863, 864	87	10	See chart page 13	FLL, FLW, MAL, PTB, STS, 862, 863, 864	AD86/ MD86/ WD86	10	See chart page 13	862, 863, 864
With: Auxiliary Control for Cylinder Override with 862 Pull Trim	–	–	–	–	–	–	See chart page 13	–	87	10	See chart page 13	306 x Pull (862, 863, 864)	AD86/ MD86/ WD86	10	See chart page 13	106 x Pull (862, 863, 864)

[1] 8600 CVR Exit Devices must be ordered as AD for aluminum doors, MD for metal doors, and WD for wood doors.

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PE80 Series Exit Devices

Authorized Channel Partner
ASSA ABLOY

SARGENT
ASSA ABLOY

The SN Series Exit Device product selection is SARGENT's most extensive exit device access control offering including PE8800 Rim Exit Devices, PE8900 Mortise Exit Devices, PE8700 Surface Vertical Rod (SVR) Exit Devices and PE8600 Concealed Vertical Rod (CVR) Exit Devices.

The SN200 PE80 Series Exit Device product is available with two options for UL294 compliance and reader LED indicator configurations:

1. Bluetooth Smart, UL294 Compliant, tamper wire connected:
   - LED displays red in locked and unlocked state
   - Listed to UL294 (Access Control System Units)
2. Bluetooth Smart, Non-UL294 Compliant, green LED wire connected:
   - LED displays red in locked state and green in unlocked state
   - Provides easy visual indication of locked status
   - Product is NOT compliant to UL294 (Access Control System Units)

MECHANICAL FEATURES:

- Certified ANSI/BHMA A156.3 Grade 1
- Listed to UL 294 (Standard of Safety for Access Control System Units); Directory ALVY.BP10423*
- For 1-3/4" (44mm) door standard. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31.
- Always allows free egress
- Trim outside rigid at all times unless unlocked electronically
- Request-to-Exit (REX) Signal Switch activated by pushing rail
- Door Position Switch (DPS, part #3287) supplied to allow for full monitoring (see DPS features, page 8)
- PE80 Series Levers are shown on page 29-32
- Features EcoFlex® technology
- Available with ADA Standard for Accessible Design and California Building Code.
- UL/ULC Listed for fire doors

*UL294 listing for SN200 Series available with 03, 04, or 0D credential modifier only. SN210 is always UL294 Compliant. See "Ordering SN Series Exit Devices" for more detail.

DESCRIPTION OF FUNCTIONS: (see chart below)

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- Key Override Key outside retracts latch when trim is locked electronically

CONCEALED VERTICAL ROD/SURFACE VERTICAL ROD MODELS FEATURE:

- Key override is available for MD/WD/AD-PE8600 CVR Devices (including NB-) with P106 Series Auxiliary Control
- Key override is available for PE8700 SVR Devices (including NB-) with a P306 Series Auxiliary Control
- The AFF is 39-5/8" for Standard Applications; when a P100 or P300 Series Auxiliary Control is used, 38" AFF is recommended to meet local accessibility standards

SN SERIES ELECTRICAL FEATURES

- Available with either keypad or non-keypad reader
- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Lock Motor 12VDC or 24VDC
- Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

SN SERIES EXIT DEVICE FUNCTIONS

	PE8900 Mortise Exit Devices			PE8800 Rim Exit Devices			PE8700 Surface Vertical Rod Exit Devices			PE8600 Concealed Vertical Rod Exit Devices		
	Mortise Exit			**Rim Exit**			**SVR Exit**			**CVR Exit†**		
If the lock needs to have:	**Then select:**											
	Series	**Type**	**Function**	**Series**	**Type**	**Function**	**Series**	**Type**	**Function**	**Series**	**Type**	**Function**
No key override												
Fail Safe	SN200 (Wiegand) SN210 (OSDP)	PE89	73	SN200 (Wiegand) SN210 (OSDP)	PE88	73	SN200 (Wiegand) SN210 (OSDP)	PE87	73	SN200 (Wiegand) SN210 (OSDP)	MD-PE86 WD-PE86 AD-PE86	73
Fail Secure	SN200 (Wiegand) SN210 (OSDP)	PE89	74	SN200 (Wiegand) SN210 (OSDP)	PE88	74	SN200 (Wiegand) SN210 (OSDP)	PE87	74	SN200 (Wiegand) SN210 (OSDP)	MD-PE86 WD-PE86 AD-PE86	74
Key override												
Fail Safe	SN200 (Wiegand) SN210 (OSDP)	PE89	75	SN200 (Wiegand) SN210 (OSDP)	PE88	75	SN200 (Wiegand) SN210 (OSDP)	–	–	SN200 (Wiegand) SN210 (OSDP)	–	–
Fail Secure	SN200 (Wiegand) SN210 (OSDP)	PE89	76	SN200 (Wiegand) SN210 (OSDP)	PE88	76	SN200 (Wiegand) SN210 (OSDP)	–	–	SN200 (Wiegand) SN210 (OSDP)	–	–

† PE8600 CVR Exit Devices must be ordered as WD for wood doors, AD for aluminum doors, or MD for metal doors.

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PE80 Series Exit Devices

Authorized Channel Partner
ASSA ABLOY

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ASSA ABLOY

ESCUTCHEONS

- Plastic front escutcheon, solid cast rear escutcheon
- Operating temperature -31°F (-35°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Proximity Reader Projection is approximately 3/4"

OUTSIDE ET LEVER CONTROL

- Brass escutcheon
- Projection 13/16" (21mm)

CREDENTIAL MODIFIER

03	UL294 Compliant, tamper wire connected BIS/BIKS/BIPS/ BIKPS/ FIPS/FIKPS: 200-bit output (FIPS/FIKPS)
0E	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected BIS, BIKS, BIPS, BIKPS only
04	UL294 Compliant, tamper wire connected FIPS/FIKPS: 75-bit output
0D	UL294 Compliant, tamper wire connected FIPS/FIKPS: 128-bit output
0F	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected FIPS/FIKPS: 200-bit output
0G	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected FIPS/FIKPS: 75-bit output
0H	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected FIPS/FIKPS: 128-bit output

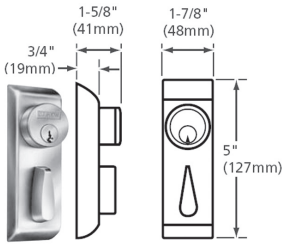
OUTSIDE ELECTRICAL TRIM

BIS	HID Mobile Access® Ready and Bluetooth Smart capable; High Frequency credentials ONLY supported
BIKS	HID Mobile Access® Ready and Bluetooth Smart capable with keypad; High Frequency credentials ONLY supported
BIPS	HID Mobile Access® Ready and Bluetooth Smart capable; High and Low Frequency credentials supported
BIKPS	HID Mobile Access® Ready and Bluetooth Smart with keypad; High and Low Frequency credentials supported
FIPS	PIV compatible
FIKPS	PIV compatible with Keypad

KEY OVERRIDE FOR SN SERIES-PE8600 & SN SERIES-PE8700

- The P106 Series Auxiliary Control offers key override for MD/WD/ AD-PE8600 and NB-MD/WD/AD-PE8600 Series Device.
- Order example:
  SN200-MD-PE8674F x 12VDC x BIPS x 0E x NEL x P106 x RHR x 32D x 36" x 96"
- The P306 Series Auxiliary Control offers key override for PE8700 Series Device.

Order example:
SN210-PE8773F x 12VDC x BIPS x 03 x NEL x P306 x RHR x 32D x 36" x 84"



RAIL SIZE

E: 26-32" F: 33-36" J: 37-42" G: 43-48"

ORDERING SN SERIES EXIT DEVICES

Options	Series	Type	Function	Rail Size	Motor**	Outside Electrical Trim	Credential Modifier*	Trim/Lever	Hand	Finish	Door Width	Opening Height	AFF
	SN200	MDPE8674	F		12VDC	BIPS	0E	NEL	RHR	32D	36"	96"	

* SN210 BIS, BIKS, BIPS and BIKPS only available with 0E credential modifier; SN210 FIPS and FIKPS only available with 03 or 0D credential modifier. SN210 is always UL294 Compliant.
** The SN Series reader is always 12VDC. Please select either 12VDC or 24VDC for the Motor.

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PE80 Series Exit Devices

Authorized Channel Partner
ASSA ABLOY

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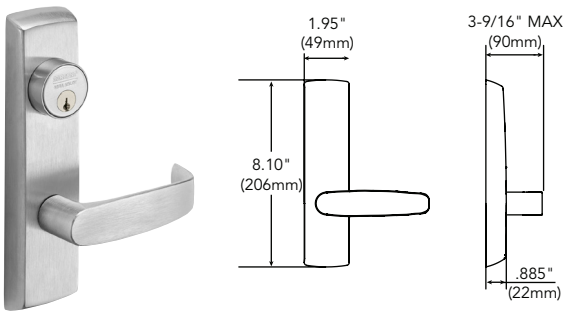
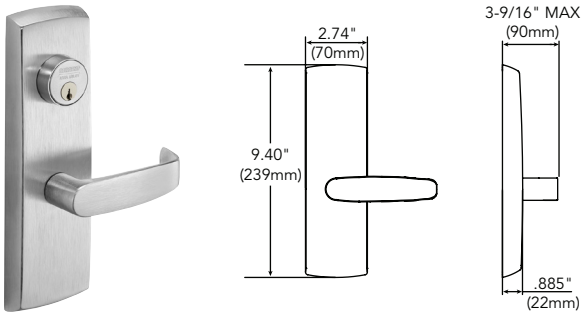
OUTSIDE VIEW LEVER TRIM

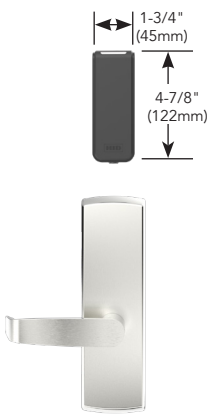
P700 NEx Lever Trim



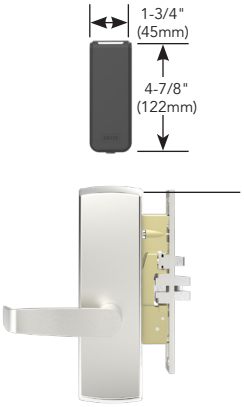
P700 WEx Lever Trim



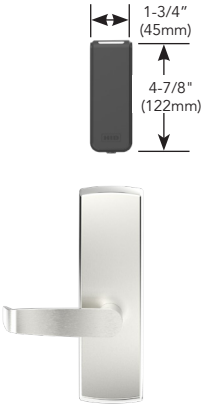
OUTSIDE VIEW



SN Series PE8800
Outside View



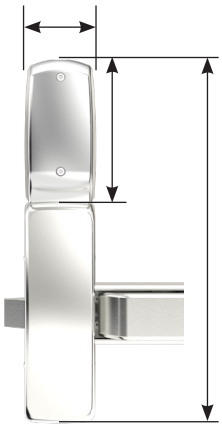
SN Series PE8900
Outside View



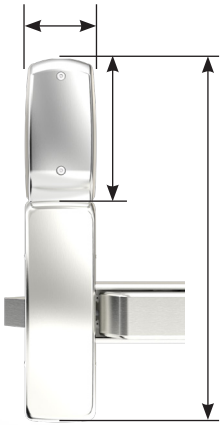
SN Series AD/MD/
WD-PE8600 Outside View

SN Series PE8700
Outside View

INSIDE VIEW

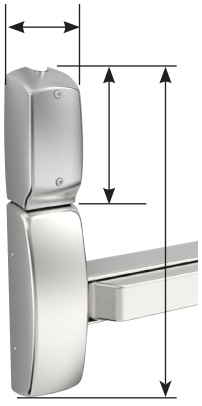


SN Series PE8800
Inside View



SN Series PE8900
Inside View

SN Series AD/MD/
WD-PE8600 Inside View



SN Series PE8700
Inside View

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PE80 Series Exit Devices

Authorized Channel Partner
ASSA ABLOY

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ASSA ABLOY

HOW TO SPECIFY AND ORDER LEVER TRIM ONLY (WITHOUT EXIT DEVICE OR READER)

Specify SN200/SN210 in the order string

PE8800 Rim Exit Device
- Narrow Stile: SN2xx-P773-8 NEx, SN2xx-P774-8 NEx, SN2xx-P775-8 NEx, SN2xx-P776-8 NEx
- Wide Stile: SN2xx-P773-8 WEx, SN2xx-P774-8 WEx, SN2xx-P775-8 WEx, SN2xx-P776-8 WEx

PE8900 Mortise Exit Device
- Narrow Stile: SN2xx-P773 NEx, SN2xx-P774 NEx, SN2xx-P775 NEx, SN2xx-P776 NEx
- Wide Stile: SN2xx-P773 WEx, SN2xx-P774 WEx, SN2xx-P775 WEx, SN2xx-P776 WEx

PE8700 SVR Exit Device
- Narrow Stile: SN2xx-P773 NEx, SN2xx-P774 NEx
- Wide Stile: SN2xx-P773 WEx, SN2xx-P774 WEx

PE8600 CVR Exit Device
- Narrow Stile: SN2xx-P773-4 NEx, SN2xx-P774-4 NEx
- Wide Stile: SN2xx-P773-4 WEx, SN2xx-P774-4 WEx

x - Specify lever design, finish and voltage

Note: Cylinder Keyed Different is supplied unless otherwise specified

WINDSTORM INFORMATION:

- SN Series (SE Series) PE8900 is UL Certification Directory ZHLL. R21744 Windstorm-Rated Assemblies
- SN Series (SE Series) WS-PE8900 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware and listed on Florida Building Code Website: FL4351-R1 (See Page 30 for details)
- SN Series (SE Series) WS-PE8800 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware and listed on Florida Building Code Website: FL4351-R1 (See Page 30 for details)
- SN Series HC-PE8800 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware, UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies and listed on Florida Building Code Website: FL2998-R2 (See Page 30 for details)

CYLINDER SIZES & TYPES

Note: All mortise cylinders require a SARGENT standard offset cam (13-0664)

SN Products	1-3/4" Door Thickness	1-3/4" Door Thickness with Weather Shield
SN200/210-PE8900 Mortise Exit	# 46 Mortise (1-3/4")	# 46 Mortise (1-3/4")
SN200/210-PE8800 Rim Exit	# 34 Rim	# 34 Rim
SN200/210-PE8700 w/P306 Control SVR Exit	# 41 Mortise (1-1/8")	# 41 Mortise (1-1/8")
SN200/210-PE8600 w/P106 Control CVR Exit	# 41 Mortise (1-1/8")	# 41 Mortise (1-1/8")

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Electric Latch Retraction Option (56-PE80 Series)

Authorized Channel Partner
ASSA ABLOY

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ASSA ABLOY

The Electric Latch Retraction exit device option (56-) is the perfect choice for high traffic entrance and exit doors that require remote unlocking or remote dogging.It utilizes a latch retraction motor ensuring quiet operation which is ideal for locations such as conference rooms, theaters and libraries.Once retracted, the door functions in a push/pull manner.The 56- allows the exit device to be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator.The device can even be dogged continuously on fire-rated devices that are tied into the building's fire detection system. Electric Latch Retraction variants are NOT UL294 6th edition, BHMA A156.25 or ULC S319 compliant.

KEY FEATURES

- Motor driven latch retraction for smooth, precise operation
- Amount of rail retraction is automatically controlled by the 56- circuitry; System actively monitors its position and adjusts itself
- Digital retraction timer (0-20 seconds; factory setting is 5 seconds)
- Standard electric hinge - no special power transfer required
- Wires are routed thru the rail (See page 4 for more details)
- Field serviceable -modular design
- Can be used for continuous and intermittent use
- UL Listed for Class II Circuitry
- Current draw: .65A during retraction and .2A maintained in dogged hold position
- Requires 1A at 24VDC regulated/filtered power supply
- Minimum Door Widths: - Wide Stile Door 28" - Narrow Stile Door 28"
- Includes ASSA ABLOY's ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge
- Order as a 56- option
  (e.g., 56-SN200-PE8913F x NEMF x 32D x 36")

ELECTRICAL FEATURES

- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Available with either keypad or non-keypad reader
- Lock Motor 12VDC or 24VDC
- Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

ACCESSORIES

Required
- LSP-12-24 Power Supply
- Electric transfer device also required

Optional
- 881 Monitor Strike

CREDENTIAL MODIFIER

03	Tamper wire connected BIS/BIKS/BIPS/BIKPS/FIPS/FIKPS: 200-bit output (FIPS/FIKPS)
0E	Green LED wire connected BIS, BIKS, BIPS, BIKPS only
04	Tamper wire connected FIPS/FIKPS: 75-bit output
0D	Tamper wire connected FIPS/FIKPS: 128-bit output
0F	Green LED wire connected FIPS/FIKPS: 200-bit output
0G	Green LED wire connected FIPS/FIKPS: 75-bit output
0H	Green LED wire connected FIPS/FIKPS: 128-bit output

OUTSIDE ELECTRICAL TRIM

BIS	HID Mobile Access® Ready and Bluetooth Smart capable; High Frequency credentials ONLY supported
BIKS	HID Mobile Access® Ready and Bluetooth Smart capable with keypad; High Frequency credentials ONLY supported
BIPS	HID Mobile Access® Ready and Bluetooth Smart capable; High and Low Frequency credentials supported
BIKPS	HID Mobile Access® Ready and Bluetooth Smart with keypad; High and Low Frequency credentials supported
FIPS	PIV compatible
FIKPS	PIV compatible with Keypad

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Electric Latch Retraction Option (56-PE80 Series)

Authorized Channel Partner
ASSA ABLOY

SARGENT
ASSA ABLOY

ORDERING SN SERIES PE80 EXIT DEVICE WITH ELECTRIC LATCH RETRACTION

Options*	Series	Type	Function	Rail Size	Outside Electrical Trim	Credential Modifier**	Trim/Lever	Hand	Finish	Door Width	Opening Height	AFF
Example:	56-SN200	PE87	10	F	BIPS	0E	FLL	RHR	32D	36"	84"	39-5/8"

*Available with the following mechanical options: 12, 16, HK, OL, 76, 85, 86, 87, CPC, SG, 18-. See page 35 for detailed descriptions. See pages 36-37 for cylinder options

** SN210 BIS, BIKS, BIPS and BIKPS only available with 0E credential modifier, SN210 FIPS and FIKPS only available with 03 or 0D credential modifier.

Function Description and Cylinder Information	SARGENT Function #	ANSI Function #
Night latch, key retracts latch #34 cylinder for PE8800 #46 mortise cylinder for PE8900 with P700 lever trim #41 cylinder for PE8900 with FLL, FLW, PTB, MAL, STS	04/44	03
Key unlocks trim, trim retracts latch/trim relocks when key is removed, #41 cylinder supplied	06/46	09
No outside operation (no cylinder), Lever Trim is used as pull only	10/40	02
Key unlocks/locks trim, #41 cylinder supplied	13/43	08
Key unlocks turn, turn retracts latch #41 Cylinder for PE8700 w/P306 Control SVR exit	06	12
Key unlocks turn, turn retracts latch #41 Cylinder for PE8600 w/P106 Control SVR exit		

PULL TRIM OPTIONS

SARGENT Function Number	ANSI Function Numbers	Description Cylinder Info. (1-3/4" Door)						
04	03	Night Latch (key retracts latch)	FLL/FSL	FLW/FSW	MAL/MSL	PTB/PSB	STS	862/863/ 864
10	02	Pull Only (no O/S operation)	FLL	FLW	MAL	PTB	STS	862/863/ 864

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Electric Latch Retraction Option (56-PE80 Series)

Authorized Channel Partner
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SN SERIES 56-PE80 EXIT DEVICE FUNCTIONS

If the trim needs to be:		PE8900 Mortise Exit Devices				PE8800 Rim Exit Devices				PE8700 Surface Vertical Rod Exit Devices				PE8600 Concealed Vertical Rod Exit Devices[1]			
		Type	Function	Rail Size	Trim/ Lever	Type	Function	Rail Size	Trim/ Lever	Type	Function	Rail Size	Trim/ Lever	Type[1]	Function	Rail Size	Trim/ Lever
	Lever Trim																
With:	Night Latch (Key retracts latch)	PE89	04	E,F, G, or J	NEx or WEx	PE88	04	E,F, G, or J	NEx or WEx	–	–	–	–	–	–	–	–
With:	Night Latch (Key/lever retracts latch)	PE89	06	E,F, G, or J	NEx or WEx	PE88	06	E,F, G, or J	NEx or WEx	PE87	06	E,F, G, or J	NEx or WEx	AD-PE86/ MD-PE86/ WD-PE86	06	E,F, G, or J	NEx or WEx
With:	Dummy Lever Trim (No cylinder override)	PE89	10	E,F, G, or J	NEx or WEx	PE88	10	E,F, G, or J	NEx or WEx	PE87	10	E,F, G, or J	NEx or WEx	AD-PE86/ MD-PE86/ WD-PE86	10	E,F, G, or J	NEx or WEx
With:	Entrance (Key locks/unlocks lever)	PE89	13	E,F, G, or J	NEx or WEx	PE88	13	E,F, G, or J	NEx or WEx	PE87	13	E,F, G, or J	NEx or WEx	AD-PE86/ MD-PE86/ WD-PE86	13	E,F, G, or J	NEx or WEx
With:	Auxiliary Control for Cylinder Override with Dummy Lever Trim	–	–	–	–	–	–	–	–	PE87	10	E,F, G, or J	NEx or WEx	AD-PE86/ MD-PE86/ WD-PE86	10	E,F, G, or J	NEx or WEx

		Type	Function	Rail Size	Trim	Type	Function	Rail Size	Trim	Type	Function	Rail Size	Trim	Type[1]	Function	Rail Size	Trim
	Freewheeling Lever Trim																
With:	Night Latch (Key Retracts Latch)	PE89	44	E,F, G, or J	NEx or WEx	PE88	44	E,F, G, or J	NEx or WEx	–	–	–	–	–	–	–	–
With:	Night Latch (Key/lever retracts latch)	PE89	46	E,F, G, or J	NEx or WEx	PE88	46	E,F, G, or J	NEx or WEx	PE87	46	E,F, G, or J	NEx or WEx	AD-PE86/ MD-PE86/ WD-PE86/	46	E,F, G, or J	NEx or WEx
With:	Dummy Lever Trim (No cylinder override)	PE89	40	E,F, G, or J	NEx or WEx	PE88	40	E,F, G, or J	NEx or WEx	PE87	40	E,F, G, or J	NEx or WEx	AD-PE86/ MD-PE86/ WD-PE86/	40	E,F, G, or J	NEx or WEx
With:	Entrance (Key locks/unlocks lever)	PE89	43	E,F, G, or J	NEx or WEx	PE88	43	E,F, G, or J	NEx or WEx	PE87	43	E,F, G, or J	NEx or WEx	AD-PE86/ MD-PE86/ WD-PE86/	43	E,F, G, or J	NEx or WEx
With:	Auxiliary Control for Cylinder Override with Dummy Lever Trim	–	–	–	–	–	–	–	–	PE87	40	E,F, G, or J	NEx or WEx	AD-PE86/ MD-PE86/ WD-PE86/	40	E,F, G, or J	NEx or WEx

		Type	Function	Rail Size	Trim	Type	Function	Rail Size	Trim	Type	Function	Rail Size	Trim	Type[1]	Function	Rail Size	Trim
	Pull Trim																
With:	Night Latch (Key retracts latch)	PE89	04	E,F, G, or J	FLL, FLW, MAL, PTB, STS	PE88	04	E,F, G, or J	FSL, FSW, MSL, PSB, STS, 862, 863, 864	–	–	–	–	–	–	–	–
With:	Dummy Pull (No Cylinder Override)	PE89	10	E,F, G, or J	FLL, FLW, MAL, PTB, STS	PE88	10	E,F, G, or J	FLL, FLW, MAL, PTB, STS, 862, 863, 864	PE87	10	E,F, G, or J	FLL, FLW, MAL, PTB, STS, 862, 863, 864	AD-PE86/ MD-PE86/ WD-PE86	10	E,F, G, or J	862, 863, 864
With:	Auxiliary Control for Cylinder Override with 862 Pull Trim	–	–	–	–	–	–	E,F, G, or J	–	PE87	10	E,F, G, or J	P306 x Pull (862, 863, 864)	AD-PE86/ MD-PE86/ WD-PE86	10	E,F, G, or J	P106 x Pull (862, 863, 864)

[1] PE8600 CVR Exit Devices must be ordered as AD for aluminum doors, MD for metal doors, and WD for wood doors.

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7000 Series Multi-Point Vertical Rod

Authorized Channel Partner
ASSA ABLOY

SARGENT
ASSA ABLOY

The 7000 Series multi-point vertical rod provides flexibility, simplicity, strength, and durability by eliminating the need for automatic flushbolts and coordinators while maintaining the aesthetic appeal of the SN Series Integrated Wired locks. It is ideal for a wide variety of applications where exit devices are not required, including conference rooms, commercial office buildings, convention centers, upscale condominiums and residential applications, medical and educational institutions.

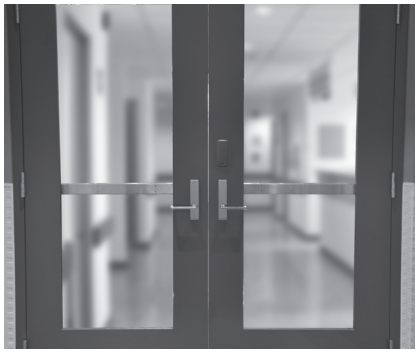
7000 Series Vertical Rod locks are available for aluminum, wood and metal doors. Single point top latching can also be specified, eliminating the bottom strike and the additional installation work required with a bottom bolt. The single point device is specified with the NB- option. Rods are retracted by dual mounted controls with a variety of functions available on the outside trim.

The SN200 Series 7000 Series product is available with two options for UL294 compliance and reader LED indicator configuration:

1. Bluetooth Smart, UL294 Compliant, tamper wire connected:
   - LED displays red in locked and unlocked state
   - Listed to UL294 (Access Control System Units)
2. Bluetooth Smart, Non-UL294 Compliant, green LED wire connected:
   - LED displays red in locked state and green in unlocked state
   - Provides easy visual indication of lock status
   - Product is NOT compliant to UL294 (Access Control System Units)

FEATURES

- Designed for aluminum, metal, and wood door applications with 2-1/4" backset
- Concealed rods offer additional security
- Less bottom rod option available, specified as NB-WD7000 and 12-NB-WD7000 (For single door applications, consult factory)
- NB- provides free access for wheel chairs and carts
- Supports single or double door applications
- Features EcoFlex® technology
- UL Fire Listed: 12-WD7000 / 12-NB-WD7000(12-NB- is for double door applications only)



ELECTRICAL FEATURES

- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Available with either keypad or non-keypad reader
- Lock Motor 12VDC or 24VDC
- Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

SPECIFICATIONS

Doors:
- Aluminum: 1-3/4" (44mm) door thickness standard, 1-7/8" minimum stile, 7/8" backset standard for double doors, 1-1/8" backset for single doors
- Metal: 1-3/4" (44mm) door thickness standard, 4-1/2" minimum stile, 2-1/4" backset standard
- Wood: 1-3/4" (44mm) door thickness standard, 4-1/2" minimum stile, 2-1/4" backset standard

Mounting:
- Fasteners are supplied for appropriate door type (aluminum, metal, wood) with through-bolts for trim

Hand:
- Field reversible, specify RHR, LHR, RH or LH

Top and Bottom Bolts:
- Stainless steel. Top and bottom bolts travel 7/16" (11mm). Projection adjustable up to 1" (25mm)

Latching:
- Top and bottom (7000, 12-7000) or Top only (NB-7000, 12-NB-7000)

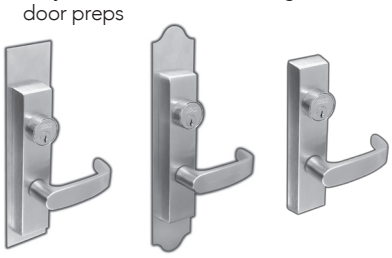
Strikes:
- 650 Top Strike, 606 Bottom Strike, standard

Cylinder:
- #41 Mortise Cylinder

TRIM OPTIONS

ER and ES controls are ET controls with back plates.

- Back plates:
  - Mounted between the trim and the door
  - Required for wood doors (WD-)
  - Optional for metal doors
  - May be used to cover existing door preps



ER ES ET

HOW TO SPECIFY AND ORDER ET TRIM WITHOUT A VERTICAL ROD:

For 7000 Series multi-point vertical rods:
SN200/210-706-2-ER/ES/ET*,
SN200/210-713-2-ER/ES/ET*,
SN200/210-715-2-ER/ES/ET*

*Specify lever design, finish and voltage

Note: Cylinder Keyed Different is supplied unless otherwise specified

KEY OVERRIDE/ AUXILIARY CONTROL

100 Series Auxiliary Control offers key override for SN Series 7000 Series.

- Available functions are 06 & 13
- Supplied with a SARGENT #41 mortise cylinder

To order, add 106 or 113 to the order string after the hand designation.

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7000 Series Multi-Point Vertical Rod

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7000 MULTI-POINT VERTICAL RODS

		Series	Type[1]	Outside Function	Inside Function
With:	Fail Safe, Night Latch (Key/lever retracts latch)	SN200 (Wiegand) SN210 (OSDP)	70/AD70/WD70*	73	06
	Fail Safe, Entrance (Key locks/unlocks lever)	SN200 (Wiegand) SN210 (OSDP)	70/AD70/WD70*	73	13
	Fail Safe, Passage Only (No cylinder)	SN200 (Wiegand) SN210 (OSDP)	70/AD70/WD70*	73	15
	Fail Secure, Night Latch (Key/lever retracts latch)	SN200 (Wiegand) SN210 (OSDP)	70/AD70/WD70*	74	06
	Fail Secure, Entrance (Key locks/unlocks lever)	SN200 (Wiegand) SN210 (OSDP)	70/AD70/WD70*	74	13
	Fail Secure, Passage Only (No cylinder)	SN200 (Wiegand) SN210 (OSDP)	70/AD70/WD70*	74	15

[1] Specify 70 for metal doors, AD70 for aluminum doors, or WD70 for wood doors.
* WD7000 Series is only available with ER and ES trim.

OPTIONS

Select options from pages 35-37

TYPE/FUNCTION

Select from 7000 Series Function Chart above

OUTSIDE ELECTRICAL TRIM

BIS	HID Mobile Access® Ready and Bluetooth Smart capable; High Frequency credentials ONLY supported
BIKS	HID Mobile Access® Ready and Bluetooth Smart capable with keypad; High Frequency credentials ONLY supported
BIPS	HID Mobile Access® Ready and Bluetooth Smart capable; High and Low Frequency credentials supported
BIKPS	HID Mobile Access® Ready and Bluetooth Smart with keypad; High and Low Frequency credentials supported
FIPS	PIV compatible
FIKPS	PIV compatible with Keypad

TRIM/LEVERS/FINISH

ER/ES/ET followed by lever designation from pages 29-32 and finish from page 30

CREDENTIAL MODIFIER

03	UL294 Compliant, tamper wire connected BIS/BIKS/BIPS/ BIKPS/FIPS/FIKPS: 200-bit output (FIPS/FIKPS)
0E*	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected BIS, BIKS, BIPS, BIKPS only
04	UL294 Compliant, tamper wire connected FIPS/FIKPS: 75-bit output
0D	UL294 Compliant, tamper wire connected FIPS/FIKPS: 128-bit output
0F	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected FIPS/FIKPS: 200-bit output
0G	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected FIPS/FIKPS: 75-bit output
0H	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected FIPS/FIKPS: 128-bit output

OPENING HEIGHT

Required for Vertical Rod Exit Devices

AFF

Center Line of Rail above Finished Floor (41"std)

ORDERING SN SERIES 7000 SERIES VERTICAL ROD LOCKS

Options	Series	Type	Function	Motor**	Outside Electrical Trim	Credential Modifier*	Trim/ Lever	Hand	Aux Control (optional)	Finish	Opening Height	AFF
DG1	SN200	70	7306	12V	BIPS	0E	ETL	RH	106	26D	84"	35-7/8"

*SN210 BIS, BIKS, BIPS and BIKPS only available with 0E credential modifier; SN210 FIPS and FIKPS only available with 03 or 0D credential modifier. SN210 is always UL294 Compliant.
**The SN Series reader is always 12VDC. Please select either 12VDC or 24VDC for the Motor.

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7000 Series Multi-Point Vertical Rod

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ELECTRIC LATCH RETRACTION OPTION (ELR)

SARGENT's Electric Latch Retraction (ELR) is the perfect choice for high traffic doors that require access control. This non-handed module is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner. Electric Latch Retraction variants are NOT UL294 6th edition, BHMA A156.25 or ULC S319 compliant.

The ELR- can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can be dogged continuously on fire-rated devices that are tied into the building's fire detection system.

The SN200 7000 Exit Device product is available with two options for reader LED indicator configuration:

1. Bluetooth Smart, tamper wire connected:
   - LED displays red in locked and unlocked state
2. Bluetooth Smart, green LED wire connected:
   - LED displays red in locked state and green in unlocked state
   - Provides easy visual indication of lock status

ELECTRIC LATCH RETRACTION FEATURES

- 5 year warranty
- Patent pending and/or patent www.assaabloydss.com/patents
- Field serviceable -modular design
- Motor driven latch retraction for smooth, precise operation
- Amount of latch retraction is automatically controlled by the ELR- circuitry; System actively monitors its position and adjusts itself
- Digital retraction timer (0-20 seconds; factory setting is 0)
- Standard electric hinge - no special power transfer required
- Can be used for continuous and intermittent use
- UL Listed for Class II Circuitry
- Current draw:
- SN Series Reader: 12VDC (200 mA)
- ELR 7000 Series Vertical Rod Lock: 12VDC (850 mA during retraction, 250 mA maintained)
- Power Requirements: 12VDC regulated/filtered power supply (LSP-12-24)
- Available for 7000 series only
- See McKinney's Transfer Device Solutions Catalog for QC Hinge and cable requirements

ELECTRICAL FEATURES

- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Available with either keypad or non-keypad reader
- Lock Motor 12VDC or 24VDC
- Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

OPTIONAL ACCESSORIES

- LSP-12-24 Power Supply
- 4370 Keyswitch
- 3287 Door Status Switch

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7000 Series Multi-Point Vertical Rod

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7000 SERIES MULTI-POINT VERTICAL RODS WITH ELECTRIC LATCH RETRACTION (ELR)

	Function Descriptions	Outside Functions Available	Inside Functions Available
01	Blank escutcheon plate	•	
06	Key unlocks trim; trim retracts latch; trim relocks when key is removed	•	•
10	No outside operation (no cylinder); pull only	•	
13	Classroom key unlocks/locks trim; #41 cylinder supplied	•	•
15	Passage only (no cylinder)		•
16	Key unlocks/locks trim	•	•
40	Freewheeling trim; no outside operation	•	
43	Freewheeling trim; key unlocks/locks trim	•	•
46	Freewheeling trim; key unlocks trim; trim retracts latch/trim relocks when key is removed	•	•

OPTIONS

Select options from pages 35-37

ELR

Specify ELR option

TYPE

70 (metal doors)
AD70 (aluminum doors
WD70 (wood doors)

OUTSIDE/INSIDE FUNCTIONS

Select from chart above

OUTSIDE ELECTRICAL TRIM

BIS	HID Mobile Access® Ready and Bluetooth Smart capable; High Frequency credentials ONLY supported
BIKS	HID Mobile Access® Ready and Bluetooth Smart capable with keypad; High Frequency credentials ONLY supported
BIPS	HID Mobile Access® Ready and Bluetooth Smart capable; High and Low Frequency credentials supported
BIKPS	HID Mobile Access® Ready and Bluetooth Smart with keypad; High and Low Frequency credentials supported
FIPS	PIV compatible
FIKPS	PIV compatible with Keypad

CREDENTIAL MODIFIER

03	Tamper wire connected FIPS/FIKPS: 200-bit output
0E*	Green LED wire connected BIS, BIKS, BIPS, BIKPS only
04	Tamper wire connected FIPS/FIKPS: 75-bit output
0D	Tamper wire connected FIPS/FIKPS: 128-bit output
0F	Green LED wire connected FIPS/FIKPS: 200-bit output
0G	Green LED wire connected FIPS/FIKPS: 75-bit output
0H	Green LED wire connected FIPS/FIKPS: 128-bit output

TRIM/LEVERS/FINISH

ER/ES/ET followed by lever designation from pages 29-32 and finish from page 30

OPENING HEIGHT

Required for Vertical Rod Exit Devices

AFF

Center Line of Rail above Finished Floor (35-7/8"std)

ORDERING SN SERIES 7000 SERIES VERTICAL ROD LOCKS WITH ELECTRIC LATCH RETRACTION (ELR)

Options	ELR	Series	Type	Outside Function	Inside Function	Outside Electrical Trim	Credential Modifier	Trim/ Lever	Hand	Finish	Opening Height	AFF
DG1	ELR	SN200	70	06	43	BIPS	0E	ETL	RH	26D	84"	35-7/8"

*SN210 BIS, BIKS, BIPS and BIKPS only available with 0E credential modifier; SN210 FIPS and FIKPS only available with 03 or 0D credential modifier.

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FM7300 Series Multi-Point Locks

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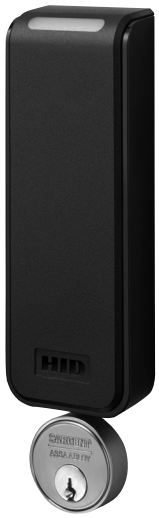
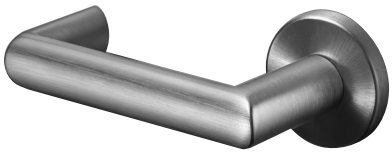
The SN Series FM7300 Series lock is a multi-point, deadlocking system developed to help protect lives while securing a community shelter and/or safe room entry. Sturdy heavy-duty steel components firmly secure the door within the frame – at top, bottom, and center latch points – fortifying the opening during a windstorm event. The FM7300 Series is UL-listed for FEMA P361 (2015), FEMA P320 (2014) and ICC 500 2014 capable of withstanding severe wind speeds and flying debris. This device consists of concealed vertical rods with top and bottom latching complemented by a mortise lock with a latchbolt and deadbolt at the center of the door and an optional indicator to show the status of the top and bottom latches.

The lever rotation retracts the top bolt, the bottom bolt, and center bolts simultaneously. When retracted, the bolts are held in position as the door swings. As the door closes, the hold-back feature engages the frame and the top, center, and bottom bolts project simultaneously. With the deadbolt thrown, this system protects room occupants from threatening conditions. The FM7300 Series device can be used on fire-rated doors.

The SN200 Series FM7300 Multi-Point Series is available with two options for UL294 compliance and reader LED indicator configuration:

1. Bluetooth Smart, UL294 Compliant, tamper wire connected:
   - LED displays red in locked and unlocked state
   - Listed to UL294 (Access Control System Units)
2. Bluetooth Smart, Non-UL294 Compliant, green LED wire connected:
   - LED displays red in locked state and green in unlocked state
   - Provides easy visual indication of lock status
   - Product is NOT compliant to UL294 (Access Control System Units)





MECHANICAL FEATURES

- Certified to ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1
- Motor driven 8200 Series Mortise Lock
- 1-3/4" thick door only; fully integrated – FM7300 is part of a complete ASSA ABLOY windstorm solution utilizing Ceco StormPro® 361 and Curries StormPro® 361 doors and frames and McKinney® StormPro® hinges
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability
- Concealed vertical assembly (rods, latches and cassette) pre-installed in door
- Features EcoFlex® technology
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm certification information is listed in the Sargent FM7300 Series catalog

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

ELECTRICAL FEATURES

- Available with either keypad or non-keypad reader
- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Lock 12-24VDC
- Reader always 12VDC

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FM7300 Series Multi-Point Locks

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ESCUTCHEONS

- Plastic front escutcheon, solid cast rear escutcheon
- Operating temperature -31°F (-35°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Projection is approximately 3/4"

Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Handed; specify RHR, LHR, RH or LH
Top bolt	Adjustable stainless steel 3/4" square bolt with 11/16" engagement; 5/16" steel reinforcement plate
Bottom bolt	Adjustable stainless steel 3/4" square bolt with 5/8" engagement; 1/4" steel reinforcement plate
Center bolts	Latchbolt is stainless steel with 3/4" projection. One piece, anti-friction reversible catch. Deadbolt is one piece hardened stainless steel with 1" projection
Lock front	1/8" steel mortise front reinforced with 13/64" thick lock edge stiffener
Center bolt strike	1/4" thick stainless steel
Backset	2-3/4" standard
Door thickness	1-3/4" standard
Door height	7'0" - 8'0"
Maximum opening	Single door 4'0" x 8'0" and double doors 8'0" x 8'0"

SN SERIES MULTI-POINT LOCK FUNCTIONS

All SN Series Multi-Point Lock Functions feature:
- Trim outside rigid except when valid credential presented
- Trim inside always retracts latch and deadbolt
- Guardbolt deadlocks latch
- Door Position monitoring

Description of Functions: (see chart at right)
- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- No key override with deadbolt: Deadbolt projected and retracted by thumbturn or key
- Key Override with deadbolt: Key outside retracts deadbolt. Key outside also retracts latch and unlocks outside when trim is locked electronically
- Top and bottom rods retracted by lever
- Deadbolt projected and retracted by thumbturn or key

SN SERIES MULTI-POINT LOCK FUNCTIONS

	Then select:		
	Series	**Type**	**Function**
No key override with deadbolt			
Fail Safe	SN200 or SN210	FM73	284
Fail Secure	SN200 or SN210	FM73	285
Key override with deadbolt			
Fail Safe	SN200 or SN210	FM73	280
Fail Secure	SN200 or SN210	FM73	281

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FM7300 Series Multi-Point Locks

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HIGH SECURITY MONITORING OPTIONS

Internal End-of-Line Monitoring

Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

Select a compatible resistor configuration and add the appropriate prefix to your order string:

- R01: Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision
- R03: Software House compatible 1KΩ/2KΩ resistance supervision
- R04: AMAG compatible 4-state supervision

Deadbolt Privacy Function (PHR-)

- Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.
- Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower area.
- To order, add the PHR- prefix to your order string (available only with deadbolt)

Integrated Door Position Switch (IDP-)

- The patented IDP option adds a magnetic door position switch in series with the internal auxiliary latch and latchbolt position switches to provide three factor monitoring.
- This offers added assurance that the door is secure, reduces the likelihood of attack, and is aesthetically pleasing because it conceals the door position switch behind the front plate and the magnet behind the strike.
- To order, add the IDP- prefix to your order string

OPTIONS

Select options from pages 35-37

TYPE/FUNCTION

Select from SN Series Mortise Lock Function chart above

OUTSIDE ELECTRICAL TRIM

BIS	HID Mobile Access® Ready and Bluetooth Smart capable; High Frequency credentials ONLY supported
BIKS	HID Mobile Access® Ready and Bluetooth Smart capable with keypad; High Frequency credentials ONLY supported
BIPS	HID Mobile Access® Ready and Bluetooth Smart capable; High and Low Frequency credentials supported
BIKPS	HID Mobile Access® Ready and Bluetooth Smart with keypad; High and Low Frequency credentials supported
FIPS	PIV compatible
FIKPS	PIV compatible with Keypad

CREDENTIAL MODIFIER

03	UL294 Compliant, tamper wire connected FIPS/FIKPS: 200-bit output
0E	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected BIS, BIKS, BIPS, BIKPS only
04	UL294 Compliant, tamper wire connected FIPS/FIKPS: 75-bit output
0D	UL294 Compliant, tamper wire connected FIPS/FIKPS: 128-bit output
0F	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected FIPS/FIKPS: 200-bit output
0G	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected FIPS/FIKPS: 75-bit output
0H	Non-UL294 Compliant for SN200 only, SN210 is always UL294 Compliant. Green LED wire connected FIPS/FIKPS: 128-bit output

ROSES/LEVERS/FINISH

Select rose, lever and finish from pages 29-32

ORDERING SN SERIES MULTI-POINT LOCKS

Options	Series	Type	Function	Lock Voltage**	Outside Electrical Trim	Credential Modifier*	Rose	Levers	Finish	Hand
R01-IDP	SN200	FM73284		12V	BIPS	0E	R	MB	03	RH
R04-PHR-IDP	SN200	FM73285		24V	BIKPS	0E	LN	MD	26D	RHR

* SN210 BIS, BIKS, BIPS and BIKPS only available with 0E credential modifier; SN210 FIPS and FIKPS only available with 03 or 0D credential modifier. SN210 is always UL294 Compliant.
** With SN Series, the reader is always 12VDC. Please select either 12VDC or 24VDC for the lock voltage.

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Standard and Coastal Series Levers and Finishes

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SN Series products are available with the following lever designs to provide uniformity throughout a facility. Lever projection from door surface varies with lock type. SN Series Mortise locks are specified by rose design followed by the lever designation (e.g., TRMZ). SN Series Exit devices are specified by the ET designation followed by the lever designation (e.g., ETMZ).

Note: Exit devices are not available with roses; exits are only available with ET Trim.

Standard Levers

Lever	Design	Handed	Mortise Locks	Cylindrical	Exit Devices
A		Yes	•	–	•
B		–	•	•	•
E		–	•	–	•
F		–	•	–	•
J		–	•	–	•
L		–	•	•	•
P		–	•	•	•
W		–	•	–	•

Note: SN200/210-8200 Mortise Locks with Standard Levers are available with LN and O roses only (Not available with CO, CR, TO, TR roses)

Coastal Levers

Lever	Design	Handed	Mortise Locks	Cylindrical	Exit Devices
G		Yes	•	–	•
R		–	•	–	•
S		Yes	•	–	•
Y		Yes	•	–	•

Note: SN200/210-8200 Mortise Locks with Coastal Series Levers are available with CR & TR roses (Not available with LN, O, CO & TO roses).

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Standard and Coastal Series Levers and Finishes

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FINISHES

SARGENT offers many different finishes for SN Series products. Please reference the chart below to determine if your product is available in a particular finish.

	Finishes	ANSI	Mortise	Cylindrical	Exit
03	Bright brass	605	•	•	•
04	Satin brass	606	•	•	•
09	Bright bronze	611	•	•	•
10	Satin bronze, clear powder	612	•	•	•
10B	Oxidized satin bronze oil rubbed	613	•	•	•
10BE	Dark oxidized satin bronze — equivalent	613E	•	•	•
10BL	Oxidized satin bronze, clear power coat	–	•	•	•
14‡	Bright nickel, clear coated	618	•	•	•
15‡	Satin nickel, clear coated	619	•	•	•
20D	Dark statuary bronze, clear powder coat	–	•	•	•
26‡	Bright chrome	625	•	•	•
26D‡	Satin chrome	626	•	•	•
32∞	Bright stainless steel	629	•	–	•
32D∞	Satin stainless steel	630	•	–	•
BSP	Black suede powder coat	–	•	•	•
WSP	White suede powder coat	–	•	•	•

‡ ET Trim will be supplied with the requested finish, the Exit Devices will be supplied in 32 or 32D accordingly

∞ Only available with exit devices, the external trim will be supplied in 26 or 26D accordingly

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Studio Collection Levers and ET Trims

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Studio Collection Levers are available with roses with the 8200 Series Mortise Lock. With Exit Device, the Studio Collection is available with the ET trim creating uniformity throughout a facility. Cylindrical locks also offer limited Studio Collection Levers.

Aventura Series

Lever	Design	Handed	Mortise Locks	Cyn.	Exit devices
MB		–	•	•	•
ME		–	•	–	•
MF		–	•	–	•
NF[1]		–	•	–	•
MG		–	•	–	•
MI		–	•	–	•
MW[1]		–	•	•	•

Notting Hill Series

Lever	Design	Handed	Mortise Locks	Cyn.	Exit devices
MQ[3]		Yes	•	–	•

Rialto Series

Lever	Design	Handed	Mortise Locks	Cyn.	Exit devices
MO[3]		Yes	•	–	•
MZ[1,3]		Yes	•	–	•
GT		Yes	•	–	•

Odeon Series

Lever	Design	Handed	Mortise Locks	Cyn.	Exit devices
MN[3]		Yes	•	–	•
MH[3]		Yes	•	–	•
MS[3]		Yes	•	–	•
MU[3]		Yes	•	–	•
MV[3]		Yes	•	–	•
NU[1,3]		Yes	•	–	•
WG		Yes	•	–	•

Centro Levers

Lever	Design	Handed	Mortise Locks	Cyn.	Exit devices
MD		–	•	•	•
MJ		–	•	–	•
MP[3]		–	•	–	•
ND[1]		–	•	•	•
NJ[1]		–	•	–	•

Gramercy Levers[2]

Lever	Design	Handed	Mortise Locks	Cyn.	Exit devices
RCM		–	–	–	•
RAL		–	–	–	•
REM		–	–	–	•
RAM		–	–	–	•
RAS		–	–	–	•
RAG		–	–	–	•
RGM		–	–	–	•

1. Lever returns within 1/2" (13mm) of door face
2. Gramercy levers are customized. Refer to page 32 for ordering information.
3. Not available in 32D or 32 finish

Note: SN200/210-8200 Mortise Locks with Studio Levers are available with LN, CR, TR, O, TO & CO roses

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Ordering Gramercy Series Levers and Rose Designs

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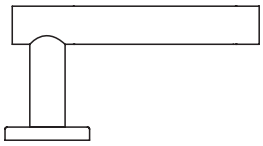
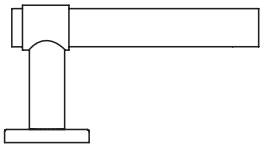
ASSA ABLOY

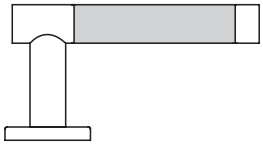
GRAMERCY SERIES LEVERS



REM, RGM



RCM



RAG, RAL, RAM, RAS

GRAMERCY FINISH CODES

BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BH	Birch (wood insert)
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

GRAMERCY LEVER DESCRIPTIONS & AVAILABLE FINISHES

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK, 30BN, 29BK, 29BN, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Metallic Insert	2930 or 3030
RAS	Santoprene Insert	30BK, 29BK, 3E3E, BSBS or WSWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2929, 3030, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E. BSBS or WSWS

**Two-tone finish - grip of lever is 32D, balance of lever is 32.
To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629.

HOW TO ORDER

SN Series 80 Series Exit Devices with Gramercy Levers and ET trim

Options	Series	Type	Functions	Rail Size	Reader/ Solenoid	Outside Electrical Trim	Credential Modifier	Trim	Lever	Shank Finish*	Insert Finish	Grip Finish	Hand	Inside Finish	Door Width
10-	SN210	89	73	F	12VDC	BIPS	0E	ET	RAL	29	BN	29	RHR	32D	36"

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Accessories, ET Lever Controls for Exit Devices, and Rose Designs

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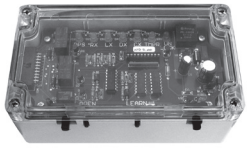
ACCESSORIES

Wiegand Test Unit

Developed for SARGENT Harmony Series, SE LP10 and SN Series locks, the ASSA ABLOY Wiegand Test Unit verifies your installation in the field. The test unit checks for proper wiring, card reader data integrity, lock functionality including lock/unlock, door position status, and request-to-exit, or REX, status. The WT2 unit also test key press functionality on keypad locks.

Feature	WT1	WT2
12 or 24VDC lock voltage adjustable	•	•
Operates as Fail Safe or Fail Secure	•	•
"Learn" mode allows testing of specific cards without programming at the panel level	•	•
Card reader data integrity is validated at test unit	•	•
Displays detailed Wiegand data, including the hexadecimal string and total bits received		•
Displays measured end-of-line resistor values (if applicable)		•
Displays key press data*		•



Wiegand Test Unit
For directions on use, see operating instructions provided with unit. Unit works only with SN200 (Wiegand).
*WT2 unit with 1.03 firmware or later is required.

SNT1

The SNT1 is an adapter harness that connects and converts OSDP lock signaling to work with a Wiegand Test Unit (WTU). The kit utilizes an integrated OSDP-to-Weigand converter module and connects an OSDP lock to a WTU. The SNT1 is used in place of the standard Wiegand harness that is included with a new WTU and is only for use with OSDP locks.

Both WTU variants (WT1 and WT2) are supported by the SNT1 to test the operation and troubleshoot issues with OSDP type Integrated Wired lock products. The WTU connects to the lock using ElectroLynx wiring and functions as a very simple control panel.

Weather Seal Gasket

- Provides a seal between outside escutcheon and the door and inside escutcheon and the door
- Weather seal gaskets are included for outdoor use (non-fire rated exterior door applications only)

52-0263

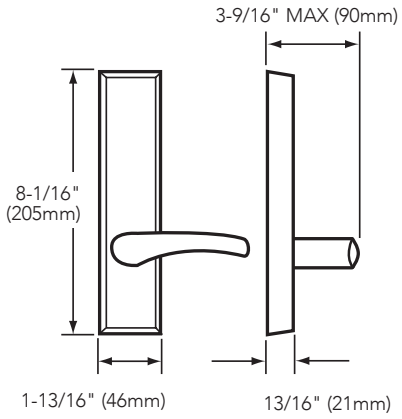
Gasket for use between the ET Trim and the door for SN Series Exit Devices

ROSES

Roses	Design	Diameter	Mortise	Cylindrical
LN		2"	•	
CR		2-3/16"	•	
TR		2-3/16"	•	
O		2-3/4"	•	
CO		2-3/4"	•	
TO		2-3/4"	•	
L		3-1/2"		•
G		3-1/2"		•

ET LEVER CONTROLS FOR EXIT DEVICES

- The 700 Series ET and Lever Control is the external trim with all SN Series 80 Series exit devices
- ET Escutcheons and levers are plated brass
- Stainless steel levers are available



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Power Supplies and 10X Line Strike Options

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REQUIREMENTS FOR ELECTRICAL AND DATA TRANSFER

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

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

Features of ElectroLynx:

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

To connect SN Series hardware to the electronic access control system, the following items are required:

- SN Series mortise or cylindrical lock, or exit device
- ASSA ABLOY Door Group pre-wired door, or McKinney ElectroLynx retrofit cable
- Electronic transfer hinge or pivot, or electrical power transfer with standard hinge from McKinney or SECURITRON
- McKinney ElectroLynx cable from the hinge to above the ceiling

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

McKinney QC12 ElectroLynx® hinges (or McKinney 12-EL-EPTL) are recommended for SN Series applications

LSP-12-24 POWER SUPPLY

Operation

- LifeSafety Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. Recommended for the 58-, 56-, 59- exit devices option and electric trim.

Feature

- Selectable voltage output between 12V and 24V with a single switch
- Internal Back-Up battery charging circuit *
- Regulated and filtered, fuse protected outputs
- Each output can be individually turned on and off via a jumper
- Power status of each output is shown by an LED
- Rugged steel enclosure
- Fire alarm interface included – Dry contacts NO/NC, 9-33VDC, 3-15mA

Electrical Specifications

- Inputs: 120VAC
- Outputs: 12VDC @ 6 Amp or 24VDC @3 Amp
- 8 Total Outputs

Listings

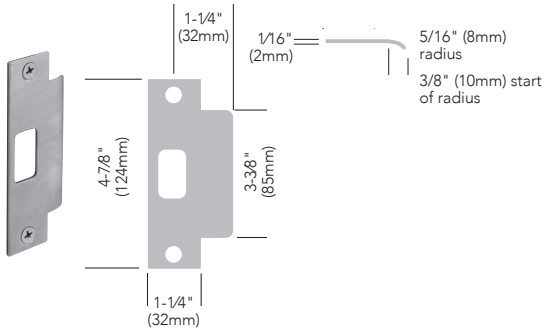
- UL294, UL603, UL1076
- ULC S318, ULC S319

* **Note:** Batteries are not included with the power supply

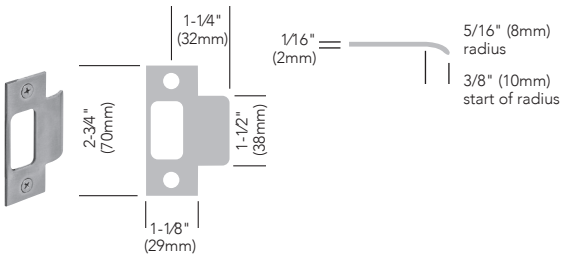
Model No.	Description
LSP-12-24	12V - 6AMP / 24V - 3AMP Power Supply

SN SERIES-10X LINE STRIKES:

4-7/8" Curved Lip Strike: Standard



2-3/4" Curved Lip Strike: To order specify 29- option



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Mechanical Options

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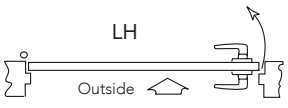
To order options listed below, list the alpha or numerical code before the product model number

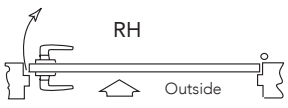
MECHANICAL OPTIONS:

Fire Rated	12-	UL Fire Label Exit hardware (exit devices only, not available with 16- & HK-)
Brass Bottom Bolt	14-	Sliding brass bolt bottom case (non-fire rated 8700 devices only)
Cylinder Dogging	16-	Cylinder lock down (non-fire rated exit devices only)
	LD-	Less hex key dogging (non-fire rated exit devices only)
Less Touch Pad	19-	Pushbar without Lexan touchpad (exit devices only)
10X Line Backsets	23-	3-3/4" Backset x 2-1/4" x 1-1/8" front for (10X Line only)
	25-	5" Backset x 2-1/4" x 1-1/8" front for (10X Line only)
Strike Options	23-	4-7/8" (124mm) ANSI flat lip strike (for 8900 mortise lock exit device & mortise locks only)
	29-	Strike #800. Lip length 1-1/4". Lip lengths 1" to 2" in 1/4" increments only. (10X Line)
Security Fasteners	36-	6 Lobe head security screws (Torx® type)
	37-	Spanner head screws (Not available with Studio levers)
3/4" Latch Throw	41-	3/4" (19mm) throw latch x 2-3/4" (70mm) backset (10X Line only)
Flush End cap	43-	Flush End Cap
Tactile Warning Options	75-	Tactile Warning - Milled Inside Lever (Not available with exit devices, Studio & Coastal levers and the A lever)
	76-	Tactile Warning - Milled Outside Lever (Not available with Studio & Coastal levers and the A lever)
	77-	Tactile Warning - Milled Inside & Outside Lever (Not available with exit devices, Studio & Coastal levers and the A lever)
	85-	Tactile Warning - Abrasive Coating on Inside Lever (or push rail for exits) (Not available with Studio & Coastal levers)
	86-	Tactile Warning - Abrasive Coating on Outside Lever (Not available with Studio & Coastal levers)
	87-	Tactile Warning - Abrasive Coating on Outside Lever & Inside Lever (or push rail for exits) (Not available with Studio & Coastal Levers)
Finish Protection	CPC-	Clear Powder Coat (Available for 26, 26D, 32 & 32D finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Available with 15, 26D, and 32D finishes)
Top Rod Only	NB-	Less bottom rod & bolt (for MD/WD/AD8600 CVR devices & 8700 SVR devices only)
SARGuide	PL-	SARGuide™ PL – Photo luminescent coated push rail – (Touchpad eliminated) (Not available 75-, 77 & TL-)
Through-Bolts	TB-	Through-Bolts
Windstorm Options	HC-	Hurricane Code (rim and surface vertical rod exit devices only, see page 38 for details)
	HC4-	Hurricane Code up to 150 psf (8700 surface vertical rod exit devices only, see page 38 for details)
	WS-	Windstorm Rated (rim & mortise lock exit devices only, see page 38 for details)
Outside Locked Levers	FW-	Freewheeling Locking Levers

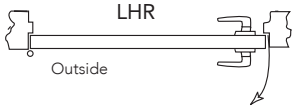
HANDING



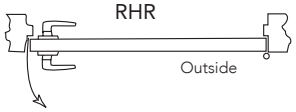
Left Hand Door



Right Hand Door



Left Hand Reverse Door



Right Hand Reverse Door

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Cylinder Options

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To order options listed below, list the alpha or numerical code before the product model number

CYLINDER OPTIONS:

Degree Key System	DG1-	SARGENT Degree Key System Level 1
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG1-78-	Degree Level 1 Exposed Plug (not available with cylindrical locks or exit devices)
	DG2-	SARGENT Degree Key System Level 2
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG2-78-	Degree Level 2 Exposed Plug (not available with cylindrical locks or exit devices)
	DG3-	SARGENT Degree Key System Level 3
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
	DG3-78-	Degree Level 3 Exposed Plug (not available with cylindrical locks or exit devices)
Signature Key System	10-	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature Large Format Interchangeable Core	10-63-	SARGENT Signature Large Format Interchangeable Core (Removable Core) Cylinder
XC- Key System	11-	XC Key System (not available with 10-)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core	11-60-	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable Plastic Core- provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)
XC- Interchangeable Cores	11-70-7P-	Hardware to accept XC- SFIC (7-Pin) XC- Permanent Cores, Plastic Disposable Core Provided
	11-72-7P-	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent Core ordered separately
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P-	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core

Note: More Cylinder Options on the following page

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Cylinder Options and Shipping Information

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To order options listed below, list the alpha or numerical code before the product model number

CYLINDER OPTIONS:

Construction Key Systems	21-	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
Special Cams	47-	Special Cams for mortise cylinders
Old Style Removable Core	51-	Removable Core Cylinder (Old Style) provided (Existing Systems Only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (Existing Systems Only)
Large Format Interchangeable Core	60-	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable Plastic Core provided (Permanent Cores ordered separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered separately)
Interchangeable Cores	70-	Hardware to accept 6 or 7-Pin SFIC Permanent Cores, Plastic Disposable Core provided
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)
	73-	Hardware supplied with 6 pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) Core
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) Core
	73-7P-	Hardware supplied with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
Keso & Keso F1	81-	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (Not available with 10X Line) (Permanent Cores ordered separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder (Not available with 10X Line)
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10X Line) (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Not available with 10X Line) (Permanent Cores ordered separately)
Bump Resistant	BR-	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	LC-	Hardware supplied less cylinder
Accept Schlage Cylinders	30-	10X Line Lever to accept Schlage® fixed core Cylinder-Cylinder is not provided (10X Line only)
	SF-	10X Line L, B or P lever to accept Schlage® large format interchangeable core (supplied less core, tailpiece included).
Schlage Keyways	SC-	Schlage C keyway cylinder, 0 bitted (Not available with 8900 Series Exit devices)
	SE-	Schlage E keyway cylinder, 0 bitted (Not available with 8900 Series Exit devices)
Keyed Different	KD-	Cylinders provided keyed differently/random
Accepts ASSA ABLOY ACCENTRA® Cylinders/Cores	YC-	10X Line lever to accept Corbin Russwin or ASSA ABLOY ACCENTRA® 6-pin fixed core cylinder - less cylinder, tailpiece provided (all designs)
	YC-7P-	10X Line lever to accept Corbin Russwin or ASSA ABLOY ACCENTRA® 7-pin fixed core cylinder - less cylinder, tailpiece provided (all designs)
	YRC-	10X Line L or P Lever to accept ASSA ABLOY ACCENTRA® 6-pin large format interchangeable core (supplied less core, but with tailpiece needed)

Hardware	Shipping Weight	Pc. Count/Carton
SN200/210-82280/82281 x lever trim (with cylinder & DB)	11.3 lbs (5.14 kg)	1/carton
SN200/210-82270/82271 x lever trim (with cylinder)	10.8 lbs (4.91 kg)	1/carton
SN200/210-82284/82285 x lever trim (w/o cylinder & w/ DB)	10.8 lbs (4.91 kg)	1/carton
SN200/210-82274/82275 x lever trim (w/o cylinder & DB)	10.3 lbs (4.68 kg)	1/carton
SN200/210-10XG270/271 with lever	9.7 lbs (4.41 kg)	1/carton
SN200/210-8973/74/75/76 with ET	22.6 lbs (10.27 kg)	1/carton
SN200/210-8873/74/75/76 with ET	20.6 lbs (9.36 kg)	1/carton
SN200/210-8773/74 with ET	27.6 lbs (12.55 kg)	1/carton
SN200/210-MD8673/74 with ET	26.6 lbs (12.09 kg)	1/carton

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Windstorm Certifications: UL Listed and Florida Building Codes

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Sargent Manufacturing offers a wide variety of products that meet building codes requiring hurricane, windstorm and FEMA certifications. SARGENT products are tested to meet the requirements of the most severe building codes as specified by the Florida Building Code, Miami Dade Code Requirements and in the International Building Code. Listed below are certifications and the standards met by these products.

SN Series 10X Line cylindrical locks are UL Certified and Listed on the Florida Building Code Website as stated:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

SN Series 8200 Series mortise locks are UL Certified and Listed on the Florida Building Code Website as stated:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

SN Series HC8800 rim exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- SN Series HC8800 for single and double door applications; 8-0 max opening
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL2998-R2

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Windstorm Certifications: UL Listed and Florida Building Codes (cont.)

Authorized Channel Partner
ASSA ABLOY

SARGENT
ASSA ABLOY

SN Series HC4-8700 surface vertical rod exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- SN Series HC4-8700 for single and double door applications up to 150 psf; 8'-0" max opening
- UL Listed per ANSI/SDI-BHMA A250.13
- ASTM E330-02
- ASTM E1886-02
- ASTM E1996-02
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website: FL12712.2

SN Series WS8800 rim exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- SN Series WS8800 for Single Hollow Metal 1-3/4" Thick Doors applications, 3'0" x 7'0" Max. Door with 6" Min Stile
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website: FL4351-R1

SN Series WS8900 mortise lock exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- SN Series WS8900 available for Single Hollow Metal Doors applications for 1-3/4" Thick door, 3'0" x 7'0" Max. Door with 6" Min Stile
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website: FL4351-R1

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90889 02/26

SARGENT®
ASSA ABLOY

PRODUCT CATALOG

Cylinders & Components

Experience a safer
and more open world

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ASSA ABLOY

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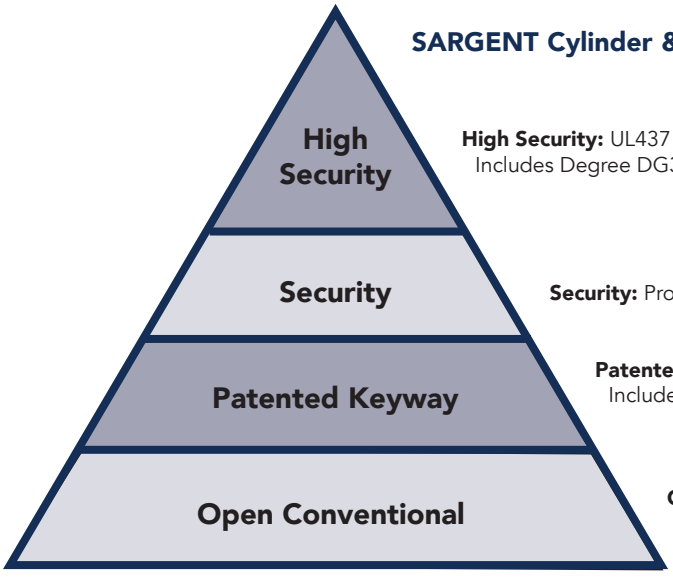

SARGENT Cylinder & Key Control Products

High Security: UL437 Drill & Pick-Resistant Systems offer protection against physical attacks. Includes Degree DG3, and UL-Keso F1.

Security: Protection against picking. Includes Degree DG2, Signature and Keso F1.

Patented Keyway: Keys are protected against unauthorized duplication. Includes Degree DG1.

Open Conventional: Legacy systems whose patents have run out and are not protected.

⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

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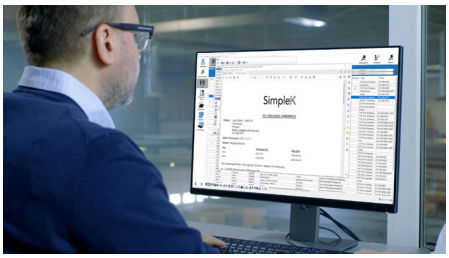
SimpleK Master Key System and Key Management Software

SimpleK

SimpleK is a flexible and intuitive software program that streamlines and simplifies the complexities of managing master key systems, keys, and facilities. It combines all tools needed by locksmiths, facility managers, security officers, and anyone else involved in the key management processes.



The software provides total key control with audit trails, outstanding keys, overdue keys, tools for the rekeying process, and more. SimpleK software allows you to import maps and floor plans to see who has access to each individual door, the associated keys, and hardware on the opening.

SimpleK allows you to manage keys and keying systems of all sizes and types. This includes: Medeco, Corbin Russwin, ASSA ABLOY ACCENTRA®, SARGENT, ASSA, ABLOY, Schlage®, Best®, and many others.

Features:

- Advanced tools for locksmithing and key control
- Manage all key systems (unlimited number of records)
- Robust import tools to bring current data into SimpleK
- Interactive floor plans
- Master key system design and expansion
- Key requests, approvals, issuances, and returns workflow
- Cylinders and core pinning (verifies key interchange)
- Door-Key association visualization and rekeying solution
- Easily identify keys, access, and hardware on openings
- Visibility to audit trails and outstanding/overdue keys

SimpleK – Standard Edition

Description	Part Number
Primary License (3 users)	SMK040-30
Updates & Support Plan on Primary License, 1 year	SMK040-31

SimpleK – Professional Edition

Description	Part Number
Primary License (3 users)	SMK042-30
Additional license	SMK042-32
Updates & Support Plan on Primary License, 1 year	SMK042-35
Updates & Support Plan on Additional License, 1 year (per Add. Lic.)	SMK042-33

Add-On Modules

Description	Part Number
Item Tracking	SMK032-31
Web Interface	SMK032-33
Room Management	SMK032-35
Mobile Applications	SMK032-37

For more information, customer service or technical support, please call SimpleK at 800-315-0454 or visit www.simplek.com.

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SimpleK Software Order Form

SARGENT
ASSA ABLOY

Form is required for all SimpleK Software orders.

Brand*	
Distributor Purchase Order Number*	
Distributor Account Number*	
Part Number*:	**Standard Edition** ☐ SMK040-30 Primary License (3 users) ☐ SMK040-31 Updates & Support Plan on Primary License, 1 year **Professional Edition** ☐ SMK042-30 Primary License (3 users) ☐ SMK042-32 Additional license ☐ SMK042-35 Updates & Support Plan on Primary License, 1 year ☐ SMK042-33 Updates & Support Plan on Additional License, 1 year (per Add. Lic.) **Add-On Modules** ☐ SMK032-31 Item Tracking ☐ SMK032-33 Web Interface ☐ SMK032-35 Room Management ☐ SMK032-37 Mobile Applications
To receive your SimpleK license and download link with instructions for your new software package, the following End User Information is required:	
Company/Institution Name*	
Mailing Address*	
City*	
State/Province*	
Zip/Postal Code*	
Country*	
Primary Point of Contact*	
Telephone*	
Email Address where license and download link will be sent*	

*Required field

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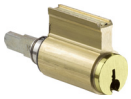
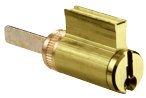
Bored and Auxiliary Lock Cylinders

BORED LOCK AND AUXILIARY LOCK CYLINDERS

- Finishes: 4, 15, BSP
- All cylinders are 6-pin and supplied 1-bitted unless otherwise specified. See page 27 for available keyways.
- Specify KD- option for cylinders keyed differently/random
- For master key orders, provide keying details as requested on SARGENT Keyed Order Lead Sheets
- All cylinders supplied with 2 nickel silver keys
- For Hotel function (50), emergency key ordered separately
- Cylinders ANSI/BHMA A156.5 Grade 1 Certified (except hotel cylinders)

Illustration	Lock Series	Cylinder Number	Used With/Notes
C11-1 C11-2	11 Line	C11-1	All functions, except Hotel function (50)
		C11-2	Hotel function (50)
C10X-1 C10X-2	10X Line	C10X-1	All mechanical functions, except Hotel function (50), 1-3/8"- 2" doors
		31-C10X-1	All mechanical functions, except Hotel function (50), 2-1/4"doors
		C10X-1E	Electrified functions, 1-3/8"- 2" doors
		31-C10X-1E	Electrified functions, 2-1/4" doors
		C10X-2	Hotel function (50), 1-3/8"- 2-1/4" doors
		C10X-3	Emergency release cointurn cylinder (65), 1-3/8”- 2” doors
		31-C10X-3	Emergency release cointurn cylinder (65), 2-1/4” doors
C10-1 C10-2	10, 7, 6500 Line	C10-1	All functions, except Hotel function (50)
		C10-2	Hotel function (50)
		C10-3	Emergency release cointurn cylinder (65)
	8X Line	C8X-1	All functions
	6 Line	C6-1	S & N Knob, all functions, except Hotel function (50) (discontinued)
		C6-1B	B Knob, all functions, except Hotel function (50)
		C6-2	S & N Knob, Hotel function (50) (discontinued)
		C6-2B	B Knob, Hotel function (50)
	460 & 480 Deadbolt	C480-1	464, 484
		C480-2	465, 485, 487
		C480-3	486
	758/858 Padlocks	C750-1	04 Finish only
	1655 Locker Lock	C1655-1	Tailpiece 13-1813
	Mailbox	4101	Consult mailbox manufacturer to determine compatibility of cylinder and mailbox. 5 or 6 pin systems. • 2 cut day keys provided • US Postal regulations prohibit master keyed cylinder

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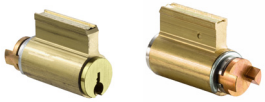
Bored and Auxiliary Lock Cylinders

CYLINDERS FOR DISCONTINUED BORED LOCK LINES

The following cylinders are availble for lock lines that have been discontinued.

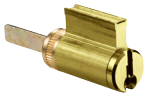
- Finishes: 4, 15, BSP
- All cylinders are 6-pin and supplied 1-bitted unless otherwise specified. See page 27 for available keyways.
- Specify KD- option for cylinders keyed differently/random
- For master key orders, provide keying details as requested on SARGENT Keyed Order Lead Sheets.
- All cylinders supplied with 2 nickel silver keys
- Cylinders ANSI/BHMA A156.5 Grade 1 Certified (except C5500 and C7600)
- Individual parts not sold separately

Illustration	Lock Series	Cylinder Number	Used With/Notes
	450, 460 (Pre-2016), 470 & 7500 Deadbolt	C480-1	454, 474
		C480-2	455, 7500DB
		C480-3	456, 475
		C460-1	464 (Pre-2016)
		C460-2	465 (Pre-2016)
	7500 (Lever) Line	C10-1	All functions
	8 & 9 Line	C8-1	All functions, except Hotel function (50)
		C8-2	Hotel function (50)
	7600 Integralock	C7600-1	All functions, except 26, 27, 50
	5 & 5500 Line	C5500-1	All functions, except Hotel function (50) (5 Line)
		C5500-2	Hotel function (50) (5 Line)

COMPETITOR KEYWAY CYLINDERS

SARGENT offers 6-pin bored auxiliary lock cylinders in other manufacturers' keyways. They can be ordered as an option for hardware or ordered separately by part numbers.

- Finishes: 4, 15, BSP
- Cylinders include tailpieces
- All cylinders 0-bitted with two brass key blanks
- Hotel function cylinder not available
- Individual parts not sold separately

Illustration	Lock Series	Keyway	
		Schlage "C"	Schlage "E"
	10X Line	SC-C10X-1	SE-C10X-1
	6500, 7, 10 & 11 Line	SC-C10-1	SE-C10-1
	460 & 480 Deadbolt	SC-C480-1	SE-C480-1

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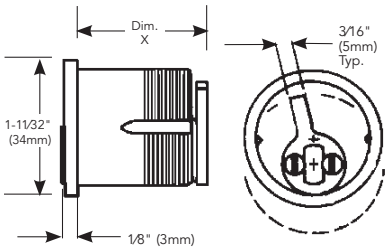
Mortise Cylinders

40 SERIES MORTISE CYLINDER

- Cylinder finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 32, 32D, BSP, and WSP
- Plug finishes*: 4, 15, BSP
- Cylinder: Solid brass, 1-5/32" (29mm) diameter
- Cap: Brass, bronze or stainless steel
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- See page 18 for available cams
- 6 pin standard; for 7 pin specify "7 pin", size 42 minimum
- No. 41 cylinder not available in 7 pin
- Order cam as a suffix 41 x 32D x101
- Mortise cylinder assemblies that are ordered without hardware are supplied with standard SARGENT offset cam 13-0664
- All cylinders are supplied 1-bitted with 2 nickel siver keys unless otherwise specified. See page 27 for available keyways

Cylinder Sizes										
Cylinder No.	41	42	43	44	46	48	50	52	54	56
Dim. X	1-1/8"	1-1/4"	1-3/8"	1-1/2"	1-3/4"	2"	2-1/4"	2-1/2"	2-3/4"	3"
	(29mm)	(32mm)	(35mm)	(38mm)	(44mm)	(51mm)	(57mm)	(64mm)	(70mm)	(76mm)

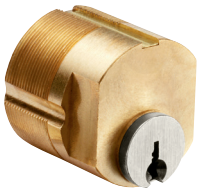


50-40 SERIES HOTEL MORTISE CYLINDER

Features same as standard 40 Series cylinders except:

- For use with 7850, 8250, and 9250 functions only
- For 6 pin systems only. Note: emergency key is 7 pin
- Contact factory for compatibility requirements for existing 6 pin systems
- Uses only cam #115 (13-2045)
- Guest and Master keys will only retract the latch bolt but not project or retract the dead bolt
- Emergency keys (ordered separately, catalog # 7268 EMK) retract the latchbolt and deadbolt and can also project the deadbolt
- C Series keyways supplied standard, specify if different keyway is required. On 1 bitted or KD, CA key way will be supplied if not otherwise specified
- All cylinders supplied with 2 nickel silver keys
- Consult Sargent Key records dept. when adding Hotel cylinders to existing key systems for compatibility
- Length under cylinder head (Dim. X)
  50-43 1-3/8" (35mm); 50-44 1-1/2" (38mm)

78-40 SERIES EXPOSED PLUG/BARREL CYLINDER



- Plug finishes: 4, 15, BSP
- Cylinder: Solid brass, 1-5/32" (29mm) diameter
- 6 pin standard, for 7 pin specify "7 pin"
- All cylinders are supplied 1-bitted with 2 nickel siver keys unless otherwise specified. See page 27 for available keyways.
- For use with SARGENT mortise locks with Escutcheon Trim (KE 3/4, LE 3/4) only
- See page 18 for available cams
- 78-41 6 pin; single cylinder function only except 50
- 78-42 6 or 7 pin; single cylinder functions only
- 78-43 6 or 7 pin; all functions except 50

Cylinder Finish	Plug Finish*
03, 04, 09, 10, 10B, 10BE, 10BL, 20D	04
14, 15, 32, 32D, WSP	15
BSP	BSP

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Mortise Cylinders

COMPETITOR KEYWAY MORTISE CYLINDER

SARGENT offers 6-pin Mortise cylinders in other manufacturers' keyways. They can be ordered as an option for hardware or ordered separately by part numbers.

- Finishes: 3, 4, 10, 10B, 10BE, 32, 32D, BSP
- All cylinders 0 bitted and supplied with two brass key blanks as standard. Hotel function (50) not available
- Cylinders supplied without SARGENT logo on face of cylinder
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- Cylinders only supplied with SARGENT offset cam similar to 13-0664. Separate parts not available for these cylinders
- Master keyed cylinders not available
- All mortise cylinders 1-1/8" (29mm) long with standard 1-5/32" shell diameter

	Keyway	
Cylinder	**Schlage "C"**	**Schlage "E"**
Mortise #41	SC-41	SE-41

How to Order
Specify SC- or SE- option to cylinder number x finish
Example: SC-41 x 32D

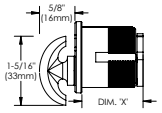
Cylinder Finish	Plug Finish
03, 04,10,10B,10BE	04
32, 32D	15
BSP	BSP

120 SERIES TURN PIECE MORTISE CYLINDER

- Finishes: 4, 10B, 10BE, 32D, BSP
- Used in mortise locks when keyed cylinders are not required
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- Cylinder: Brass
- Turn Piece: Brass or bronze
  Cap: Brass, bronze, stainless steel

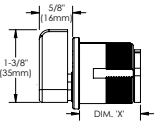
Length Including Cam (Dim. X)	1-1/8" (29mm)	1-1/4" (32mm)	1-3/8" (35mm)	1-1/2" (38mm)	1-3/4" (44mm)
Cylinder Number	124-41	124-42	124-43	124-44	124-46
	125-41	125-42	125-43	125-44	125-46
	126-41	126-42	126-43	126-44	126-46
	127-41	127-42	127-43	127-44	127-46

Cam No. Suffix	Description
None	Standard offset SARGENT cam
-101	Cam for Adams Rite 1850 lock
-105	Cam for inside of 16 and 92 mortise lock
-106	Cam for Open Schlage L
-112	Cam for Open Misc.
-113	Cam for 4370 Series Keyswitches



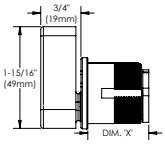
124- Turn Piece

124-



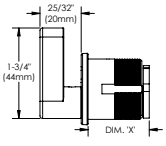
125- Turn Piece

125-



126- ADA Turn Piece

126-



127- Detachable Turn Piece

127-

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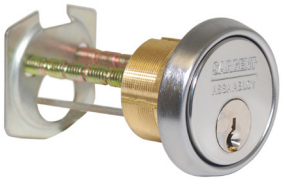
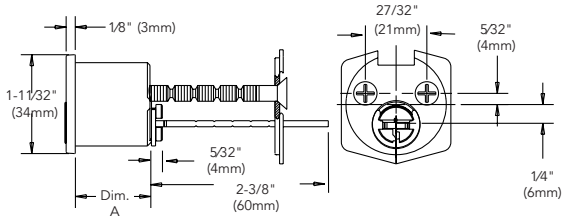
Rim Cylinders

34 SERIES RIM CYLINDER

- Cylinder finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 32, 32D, BSP, and WSP
- Plug finishes*: 4, 15, BSP
- 27/32" (21mm) screw pattern for through-bolted SARGENT exit devices
- Cylinder: Solid brass
- Cap: Brass, bronze or stainless steel
- Furnished standard with "break-off" screws and back plate, see page 19 for optional collars ordered separately
- 6 pin standard, for 7 pin specify "7 pin"
- All cylinders are supplied with 1-bitted, unless otherwise specified. See page 27 for available keyways.
- Horizontal tail piece only





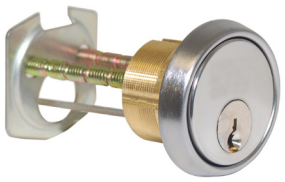
No. of Pins	Door Thickness when used without outside trim	Dim. A (Min.)
6	2-3/8" to 3-1/4" (60mm to 82mm)	1-1/16" (27mm)
7	2-1/2" to 3-1/2" (64mm to 89mm)	1-7/32" (31mm)

Cylinder Finish	Plug Finish*
03, 04, 09, 10, 10B, 10BE, 10BL, 20D	04
14, 15, 32, 32D, WSP	15
BSP	BSP

COMPETITOR KEYWAY RIM CYLINDER

SARGENT offers 6-pin Rim cylinders in other manufacturers' keyways. They can be ordered as an option for hardware or ordered separately by part numbers.

- Finishes: 3, 4, 10, 10B, 10BE, 32, 32D, BSP
- All cylinders 0 bitted and supplied with two brass key blanks as standard. Hotel function not available
- Cylinders supplied without SARGENT logo on face of cylinder
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- Cylinders only with SARGENT mounting screw locations. Separate parts not available for these cylinders.
- Master keyed cylinders not available



	Keyway	
Cylinder	Schlage "C"	Schlage "E"
Rim #34	SC- 34	SE-34

How to Order
Specify SC- or SE- option to cylinder number x finish
Example: SC-34 x 32D

Cylinder Finish	Plug Finish*
03, 04,10,10B,10BE	04
32, 32D	15
BSP	BSP

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Large Format Interchangeable (Removable) Cores

- SARGENT LFIC (Removable) cylinders and Master Key Systems make rekeying a door opening quick and easy. Cores can be changed quickly without removing the lock from the door, for increased security.
- Special "control" key is used to release a locking cam allowing immediate removal of the core
- Available for use in many SARGENT products (Exit Devices, Mortise locks, Bored locks and padlocks)
- LFIC Key Systems can also include conventional cylinders operated by the same Master/change keys when the quick change feature is not needed
- Can be master or grand-master keyed
- 2 Change keys provided
- 6 pin standard
- 1 bitted available for field keying
- 1 bitted cylinders supplied with 2 key blanks, pins and springs in chambers in 3 and 4 only
- 1 bitted core control key (p/n 6255 CTL) to be ordered separately
- HA keyway will be supplied unless otherwise specified
- Wide variety of master key systems available on non keyed orders
- Available in the following SARGENT keyway families: A, B, C, G, H, K, L, N, R, and V
- Also available in the following single key sections: CR and S

LARGE FORMAT STANDARD MORTISE CYLINDER (63-40 SERIES)

- Finishes*: 3, 4, 9, 15, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP
- Cylinder: Solid brass 1-5/32" diameter
- Cap: Brass, bronze and stainless steel
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- Specify required Cam as a suffix: 63-42 x 32D x 101 cam (see page 18)
- For Standard Cam: No Suffix is required

Length	1-1/4" (32mm)	1-3/8" (35mm)	1-1/2" (38mm)	1-3/4" (44mm)
Cylinder Number	63-42	63-43	63-44	63-46
Disposable Core	60-42	60-43	60-44	60-46
Construction Keyed Core	64-42	64-43	64-44	64-46

Specify finish

LARGE FORMAT HOTEL MORTISE CYLINDER (50-63-40)

- For use with SARGENT 7850, 8250 or 9250 hotel functions only
- "C" series keyway supplied standard, unless otherwise specified
- Provided only with 115 cam
- Hotel emergency key ordered separately as: 7269EMK

Length	1-3/8" (35mm)
Cylinder Number	50-63-43
Disposable Core	50-60-43

Specify finish

LARGE FORMAT RIM CYLINDER (63-34)

- Finishes*: 3, 4, 9, 15, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP
- Housing: Solid brass
- Cap: Brass, bronze or stainless steel
- Includes the same tailpiece and screw hole pattern as the #34 cylinder
- Order as: 63-34 x Finish (keying details required)
- Construction cores also available. Order as:
  60-34 x Finish for disposable core
  64-34 x Finish for keyed construction core

Cylinder Finish	Shell/Plug Finish*
03, 04, 09, 10, 10B, 10BE, 10BL, 20D	04
14, 15, 32, 32D, WSP	15
BSP	BSP

Mortise and rim housings will be supplied in the finish specified

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Large Format Interchangeable (Removable) Cores

LARGE FORMAT KEYED CORE ONLY (6300)

- Finishes: 4, 15, BSP
- Control key is 6272CTL, ordered separately
- Order as a: 6300 x finish and give all keying information

PARTS

13-0795	Plug
13-3424	Inner Shell & Slide Assy,
13-0796	Control Sleeve
01-0660	Plug retaining ring
13-0797	Slide for Cylinders with a box around the word SARGENT (Mfg prior to 4/06)
13-1341	Slide for Cylinders WITHOUT a box around the word SARGENT (Mfg after 3/06)

For pins, springs & keying kits see pages 25 & 26
Consult appropriate bored lock series parts pages for tailpiece part numbers

LARGE FORMAT UNASSEMBLED CORE (65-OPTION)

- Finishes: 4, 15, BSP
- Unassembled core for field rekeying. Includes Control Sleeve and two key blanks
- Springs and pins to be ordered separately (see page 25)
- HA keyway will be supplied standard (except hotel), unless otherwise specified
- Order as: 65-6300 x finish x keyway (6 pin only), CA provided
- Hotel order as: 65-50-6300 x finish x keyway

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Large Format Interchangeable (Removable) Cores

LARGE FORMAT DISPOSABLE PLASTIC CORE (60-OPTION)

- During the construction phase in non restricted areas, disposable plastic cores can be used, eliminating use and distribution of the actual keys
- Once construction is near completion, the permanent keyed cores will be installed and the building secured; permanent keyed cores are ordered separately as 6300 Cores
- Disposable cores are available for Mortise, Exits and most cylindrical lock sets
- Operate with coin or flat screw driver
- One piece design allows for easy installation
- To order separately: Use p/n 13-5177
- Mortise Sizes available: 60-42, 60-43, 60-44 & 60-46
- Available Mortise Cams on page 18
- Specify required Cam as a suffix: 60-44-105 cam
- For Standard Cam: No Suffix is required

LARGE FORMAT INTERCHANGEABLE CORE CONSTRUCTION KEYED CYLINDER (64- OPTION)

- The SARGENT 6400 large format interchangeable brass construction core enables doors to be locked during project construction period
- Using 6400 cores prevents keys for the permanent key system from becoming available during the construction process
- After construction is completed, the 6400 brass cores are removed and replaced with 6300 keyed-permanent interchangeable Cores
- A special control key releases the locking sleeve of the cylinder core allowing immediate removal of the core
- Construction cores are all keyed alike in one KA keyset
- Furnished with 6 keys and 1 control key per order
- Plug face dimpled for easy identification
- Order as a 64- prefix with products. Shipped separately from hardware.
- Mortise Sizes available: 64-42, 64-43, 64-44 and 64-46
- See page 18 for available cams
- Specify required Cam as a suffix: 64-44-105 cam
- For Standard Cam: No Suffix is required
- For keyed temp core sold separately use catalog # 6400
- For Construction Control Key use catalog # 6251 CTL
- For Construction Master Key use catalog # 6251 CMK

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Small Format Interchangeable Cores

- SARGENT 6 and 7 Pin Small Format Interchangeable Core Cylinders and Master Key Systems are available for a quick change of cylinders for increased security. It is not necessary to remove the lock from the door to rekey the opening
- SARGENT Small Format Interchangeable Cores are available in SARGENT 4A and 4B keyways as well as the following standard competitor keyways: A, B, C, D, E, F, G, H, J, K, L, M. SARGENT will extend any key system after receipt of an existing bitting list from the end user
- New key systems are available in either 4A or 4B keyways. 4A in a 2 step system will be supplied standard on new systems
- A2 or A4 systems available

SMALL FORMAT MORTISE CYLINDER (70-43, 73-43 OR 70-46, 73-46)

- Finishes*: 3, 4, 9, 10, 10BE, 10BL, 20D, 26, 26D, BSP
- Two cylinder sizes
- #43, 1-3/8" (35mm) length under cylinder head including cam 73-43 (6 pin) 73-7P-43 (7 pin), 70-43 housing less core
- #46, 1-3/4" (44mm) length under cylinder head including cam 73-46 (6 pin), 73-7P-46 (7 pin) 70-46 housing less core
- 1-5/32" (29mm) diameter housing
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- Cam is permanently staked to housing
- Housing accepts 6 or 7 pin cores
- Only available with SARGENT off set cam
- Hotel Function not available

SMALL FORMAT RIM CYLINDER (73-34)

- Finishes*: 3, 4, 26, 26D
- Brass core and housing
- Furnished with break off screws and back plate
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- Housing accepts 6 or 7 pin core
- Mounting holes located to match SARGENT hardware
- Rim cylinder adapter when used with 8504 exit 13-2099
- Tailpiece 13-1507

SMALL FORMAT KEYED CORE ONLY (7300B)

- Finishes: 4, 15
- Supplied keyed with two nickel silver change keys as standard
- Face includes SARGENT logo
- If Control keys are required order as 6282BCTL for 6 pin systems or 7282BCTL for 7 pin systems
  - 6 pin system master keys are ordered as 6282BMK
  - 7 pin system master keys are ordered as 7282BMK
- Order separately as:
  7300B x Finish (for 6 pin)
  7P-7300B x Finish (for 7 pin)
- Order with hardware as:
  73- option (for 6 pin)
  73-7P option (for 7 pin)
- Order cut change key as
  6 pin 6282BCHK x key set
  7 pin 7282BCHK x key set

Consult appropriate bored lock series parts pages for tailpiece part numbers

Cylinder Finish	Shell/Plug Finish*
03, 04, 09, 10, 10BE, 10BL, 20D	04
26, 26D, BSP	15

Mortise and rim housings will be supplied in the finish specified

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Small Format Interchangeable Cores

SMALL FORMAT UNCOMBINATED CORES (65-OPTION)

- Finishes: 4, 15
- Cores for field keying
- No pins, springs or key blanks provided
- No logo on face
- Order as:
  65-7300B x Finish (for 6 pin)
  65-7P-7300B x Finish (for 7 pin)
  Notes:
  - Orders without keying details will ship as 65- unassembled cores, 4A key-way, less keys.
  - Consult appropriate bored lock series part pages for tailpiece part numbers

SMALL FORMAT DISPOSABLE PLASTIC CONSTRUCTION CORE (70- OPTION)

- Used for doors that do not require key locking during the construction period
- Operate with coin or flat screw driver
- Mortise and rim cylinders accepts either 6 or 7 pin permanent cores. Cylindrical lock sets ships with plastic core and 6 pin tail piece installed while the 7 pin tail piece is packed loose with the lock set
- One piece design allows for easy installation
- Only available with standard cams
- To order separately use p/n 13-5176

SMALL FORMAT BRASS INTERCHANGEABLE CONSTRUCTION CORE (72- OPTION)

- SARGENT 7200 Interchangeable 6 pin brass construction core (order 72-option with your SARGENT products) enables doors to be locked during the project construction period. Hardware prepared to accept 6 or 7 pin cores installed at job completion
- Using 7200 cores prevents keys for the permanent key system from becoming available during the construction process
- After construction is completed, the 7200 brass cores are removed and replaced with 7300 keyed-permanent interchangeable cores. Mortise and rim cylinders accept either 6 or 7 pin permanent cores. Key in lever locks ship with 6 pin tail installed and 7 pin tail piece shipped loose for use with 7 pin cores.
- Plug face is blue for easy identification
- A special Construction Control key 6254B CTL releases the locking sleeve of the construction core and allows for immediate removal of the core
- Construction cores are 6 pin and keyed alike construction master 6282B CMK
- Six (6) Construction Master keys and one (1) Control key are included per order unless otherwise specified. Shipped separately from hardware.
- Cores shipped with hardware
- Only available with standard cams
- For keyed temp core sold separately use catalog # 7200

KEY BLANKS/CUT MASTER TYPE KEYS (NICKEL SILVER)

- SARGENT Keyways: 4A, 4B (Restricted)
- Competitor Keyways: A, B, C, D, E, F, G, H, J, K, L, M
- Packed 50 per box

Description	Order As:
6 pin key blank	6285B x keyway
7 pin key blank	7285B x keyway
6 pin cut master key	6282BMK
7 pin cut master key	7282BMK
6 pin cut control key	6282BCTL
7 pin cut control key	7282BCTL

6 pin change/ day key 6282BCHK
7 pin change/ day key 7282BCHK

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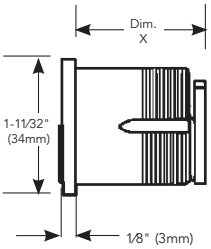
Old Style Removable Cores Mortise/Rim Cylinders

OLD STYLE REMOVABLE CORE CYLINDER (51-OPTION)

- Plug finishes: 4, 15, BSP
- Cylinder finishes**: 3, 4, 9, 10, 10B, 10BE, 20D, 32, 32D, BSP
- Available for existing systems only. Consult factory for existing system compatibility
- Available for use only currently where listed in SARGENT products, which use rim or mortise cylinders
- Special "control" key (ordered separately, catalog # 7253 CTL) is used to release a locking cam to allow immediate removal of the core
  Note: These cylinders use the last chamber for the control sleeve. Standard keys contain a cut in this position to engage the control function.
- SARGENT Offset Cams only
- Can be master or grandmaster keyed
  Note: If ordering for existing key system, provide all keying information.

140 SERIES MORTISE CYLINDER

Description	No. Pins	Length under cylinder head including cam (Dim. X)			
		1-1/4" (32mm)	1-3/8" (35mm)	1-1/2" (38mm)	1-3/4" (44mm)
Complete Cylinder	7	142	143	144	146
Core Only	7	5142	5143	5144	5146
Housing Only	7	13-2052	13-2053	13-2054	13-2055



Specify finish when ordering
Dimensions are with core and cam installed
Cams are attached to the core and not ordered with housings.
See page 19 for optional collars.

134 SERIES RIM CYLINDER

Description	No. Pins	Model/Part Number
Complete Cylinder	7	134*
Core Only	7	5134
Housing Only	7	13-2057

*Maximum overall length 3-3/4" (95mm)
Cylinder furnished standard with break-off screws (13-0074) and backplate (13-0086)
Housing supplied less screws and back plate

OLD STYLE REMOVABLE CONSTRUCTION CORE (52- OPTION)

- Plastic disposable cores not available
- For Construction Control Key use catalog # 6252 CTL
- For Construction Master Key use catalog # 6252 CMK

How to Order

Mortise	Add 52- option to removable core cylinder number (Example: 52-142) Not available for functions 50 and 52
Rim Type	Add 52- option to removable core cylinder number (Example: 52-134)

To order removable cores only for mortise and rim type cylinders, add 52- option to core designation (Example: 52-5142 or 52-5134)

Cylinder Finish	Shell/Plug Finish**
03, 04, 09, 10, 10B,10BE, 20D	04
32, 32D	15
BSP	BSP

Mortise and rim housings will be supplied in the finish specified

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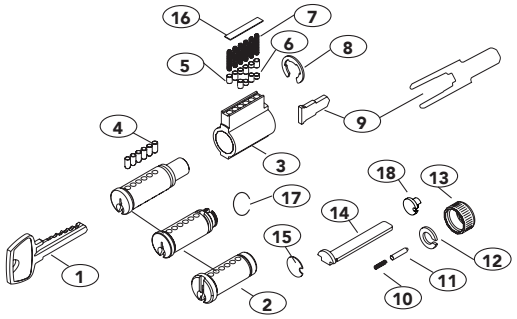
Cylinder Parts: Bored and Auxiliary Locks

SARGENT
ASSA ABLOY

Hotel Function Not Shown



Item	Description	Lock Line	Part Number	Comment
1	6 Pin Key Blank		See Table Page 27	
2	Plug	460, 7600*	13-0090	Sargent key ways only
	Plug	470*, 480, 1655, 7500*	13-0874	
	Plug	460* (Pre-2016)	13-0904	
	Plug	5500*, 8X	13-0920	
	Plug & Pin Assembly	7, 8*, 9* Knobs	13-3425	
	Plug & Ring Assembly	6, 7 Lever, 8L*, 10, 10X, 11, 6500, 7500*, 758, 858	13-3142	
3	Shell Only	7600*	13-1139	7600 (No Slide) Illustration Shows Slide Disassembled
	Cylinder Shell & Slide Assembly Without Pins & Springs	7, 8L*, 10, 10X, 11 Levers, 758, 858	13-3257	
		7, 8*, 9* Knobs	13-2048	
		6, 6500	13-3257 – Effective 9/03	
		460, 470*, 480,1655	13-3493	
		5500*, 8X	13-3514	
4	Bottom Pin	All Cylinders	See Table Page 25	
5	Top Pin	All Cylinders	See Table Page 25	
6	Master Pin	All Cylinders	See Table Page 25	
7	Compression Spring	All Cylinders	13-0265	
8	Plug Retainer	5*	01-0870	
	Plug Retainer Ring	7, 8*, 9* Knob Plug manufactured prior to March 2005	06-0166	
	Plug Retainer Ring	6, 7 Lever, 8L*, 10, 10X, 11, 6500 and 8 line* knob manufactured after April 2005	13-0205	
	Plug Retainer Ring	5500*, 8X	01-0870	
9	60-70 Tail Piece	60-70 6500	05-0033	6 Pin Only
	70 Tail Piece	70-6500	05-0034	7 Pin Only
	60 Tail Piece	60-7, 10	10-0239	Except 54 Function
	70 Tail Piece	70-7, 10	10-0239	6 Pin Except 54 Function
	70 Tail Piece	70-7, 10	10-0240	7 Pin Except 54 Function
	70 Tail Piece	70-7, 10	10-0286	6 Pin 54 Function
	70 Tail Piece	70-7, 10	10-0287	7 Pin 54 Function
	60 Tail Piece	60-11	11-0171	All Functions
	Tail Piece	11	13-1385	Except 50 Function
	Tail Piece	10X (1-3/8" - 2" door)	10-3629	
	Tail Piece	7, 8L*, 10, 6500	13-0895	
	Tail Piece	6 (S & N Knobs*)	13-0907	05, 24, 37, 38-2, 44
	Tail Piece	6 (B Knob)	13-0908	
	Tail Piece	5500*	13-0919	
	Tail Piece	758, 858	13-1230	
	Tailpiece	8X	13-1849	
10	Cylinder Cap Spring	460, 470*, 480, 1655	13-1555 – Effective 6/03	
			13-0693 – Prior to 6/03	
11	Cylinder Cap Pin	460, 470*, 480, 1655	13-1554 – Effective 6/03	
			13-0691 – Prior to 6/03	
12	Cylinder Tail Washer	464,474*,484	13-0882	
		464, 465, 485, 486, 487, 1655	13-0883	
13	Cylinder Endcap	460,470*,485,1655 series	13-0875	
14	Tail Piece	464, 474*, 484	13-0878	1-3/4" to 2" (44mm to 51mm) Door Thickness
		465* (Pre-2016), 485, 487	13-0880	
		465, 475*, 486	13-0881	
15	Blocking Piece	460, 470*, 480, 1655	13-0884	
16	Slide (Mfg prior June 2008)	7 Old*, 7, 8*, 8L*, 9, 10, 11, 6500	13-0779	
		7600*	13-0816	
	Slide (Mfg after June 2008)	7, 8*, 8X, 9*, 10, 10X, 11, 1655, 6500	13-1341	
17	Tail Piece Retainer	6, 7, 10, 10X, 11, 6500	13-0680	
18	Cam Connector	1655	13-1813	

*Discontinued Product

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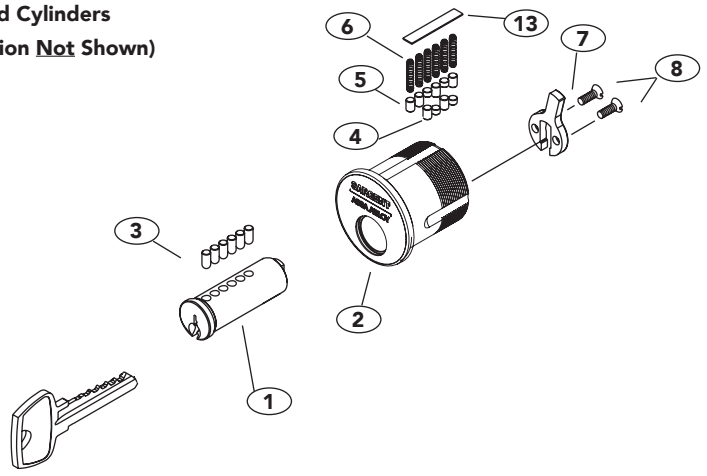
Cylinder Parts: Mortise Cylinders

40 SERIES MORTISE CYLINDER PARTS

Standard Cylinders
(Hotel Function Not Shown)



Item	Description	Part Number	Comment
1	Plug	See Table Below	
2	Cylinder Shell, Cap & Slide Assy.	See Table Below	SARGENT key ways only
3	Bottom Pin	See Table Page 25	
4	Master Pin	See Table Page 25	Pin No. 10 (Length .260)
5	Top Pin	See Table Page 25	
6	Compression Spring	13-0265	
7	Cam	See Page 18	
8	Screw	01-1121	#3-48 x 5/16" (8mm) PH. FL.
13	6 Pin Slide	13-0779	Mfg prior to 06-2008
	7 Pin Slide	13-0780	Mfg prior to 06-2008
13	6 Pin Slide	13-1341	Mfg after 06-2008
	7 Pin Slide	13-1797 v	Mfg after 06-2008

No.	Cylinder Length	6 Pin Plug Part Number	7 Pin Plug Part Number	6 Pin Shell & Slide Assy. Part Number	7 Pin Shell & Slide Assy. Part Number
41	1-1/8" (29mm)	13-0401	N/A	13-2005	N/A
42	1-1/4" (32mm)	13-0402	13-0402	13-2006	13-2765
43	1-3/8" (35mm)	13-0403	13-0403	13-2766	13-2766
44	1-1/2" (38mm)	13-0404	13-0404	13-2767	13-2767
46	1-3/4" (44mm)	13-0405	13-0405	13-2768	13-2768
48	2" (51mm)	13-0406	13-0406	13-2769	13-2769
50	2-1/4" (57mm)	13-0407	13-0407	13-2770	13-2770
52	2-1/2" (64mm)	13-0408	13-0408	13-2771	13-2771
54	2-3/4"	(70mm)	13-0409	13-0409	13-2772
56	3"	(76mm)	13-0474	13-0474	13-2773

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Cams for Mortise Cylinder

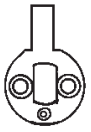
CAMS FOR CONVENTIONAL MORTISE CYLINDERS* IN SARGENT KEYWAYS

Standard Cam
(13-0664)

Standard open slotted cam provided on all 40 Series - standard. Except: 16, 50 & 92 function Mortise Locks

#105
(13-0665)

Short cam used for 78/8200 (16 & 92) function locks (Inside Cylinder) (Was -3 & -8)



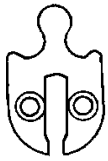
#115
(13-2045)

Cam used for Hotel (7850/8250) function cylinders only (formally -2)

MISCELLANEOUS CAMS*

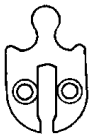
#101
(13-0512)

Adams Rite 1850, 4700



#113
(13-0921)

SARGENT 4370 Series key switches



#106
(13-0938)

"Open" Schlage "L"

#112
(13-0097)

"Open" Misc.

* Two screws attach cam to cylinder, order as an 01-1121, when needed

CAMS FOR 6300 LARGE FORMAT INTERCHANGEABLE (REMOVABLE) CORE MORTISE CYLINDERS (FACTORY ASSEMBLED TO HOUSING)

Standard

6300 Series Cam

-105

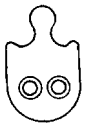
Cam for inside of 8216/8292 functions

-115

Cam for Supplied standard with 50-63-43 Hotel 50 function cylinders/locks

-101

ADAMS RITE 1850 4710

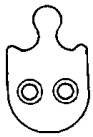


-106

Schlage "L"

-112

Wide Straight



-113

4370 Series key switch

- 6300 Cams are factory installed and are not removable
- 6300 Cams are not sold separately
- Specify required Cam as a suffix 63-42-101 cam
- For Standard Cam: No Suffix is required

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Rosettes and Blocking Rings

1KA ROSETTE WITH 8200 SECTIONAL TRIM

- Used with mortise cylinders
- Furnished standard with the E, E2, E3 and E4 roses
- Brass, bronze or stainless steel
- 1-1/2" (38mm) Square, includes compression spring
- Projection from door:

1KA-1	5/16" (8mm) – Standard
1KA-2	7/16" (11mm)
1KA-3	9/16" (14mm)
1KA-4	11/16" (16mm)

- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

1SB CYLINDER COLLAR

- Standard for 7800 BHD, 8200 BHL & BHW mortise locks
- Stainless steel
- 1-29/32" diameter
- Projection from door:

1SB-1	5/16" (8mm)
1SB-2	7/16" (11mm)
1SB-3	9/16" (14mm)
1SB-4	11/16" (16mm)

- Finishes: 32, 32D

1KB-5 CYLINDER RETAINING CAP

- Required for double cylinder functions on KS and LS Escutcheon *only*
- Steel or stainless steel
- 1-15/32" (37mm) diameter
- 9/16" (14mm) projection
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

97 ROSETTE

- Standard for 4800 dead bolts and 7900 and 7800 series mortise locks
- Brass, bronze or stainless steel
- 1-11/16" diameter (43mm), 9/32" (7mm) projection, includes compression spring
- Specify #97 x finish
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP

1KB ROSETTE

- Used with 8200 Series mortise locks when cylinders project from door
- Free spinning to protect cylinder from vandalism
- Cylinder sits resessed and flush with top of rosette
- Consult 8200 series catalog for Rosette application details
- Furnished standard with 8200 LN and L rose design mortise trim
- Cast brass, bronze or stainless steel
- 1-1/2" (38mm) diameter, includes compression spring
- Projection from door:

1KB-1	5/16" (8mm)
1KB-2	7/16" (11mm)
1KB-3	9/16" (14mm)
1KB-4	11/16" (16mm)

- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP

1KB-1 1KB-2 1KB-3 1KB-4

90 BLOCKING RING

- Brass, bronze or stainless steel
- Available sizes: 1/16", 1/8", 3/16", 1/4", 3/8"
- Specify #90 x size x finish
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

Note: Hardware ordered less cylinder will be provided with the standard collar and/or blocking rings for the standard 1-1/8" mortise cylinders When using cylinders that are longer consult individual catalogs to order proper size collars and/or spacers.

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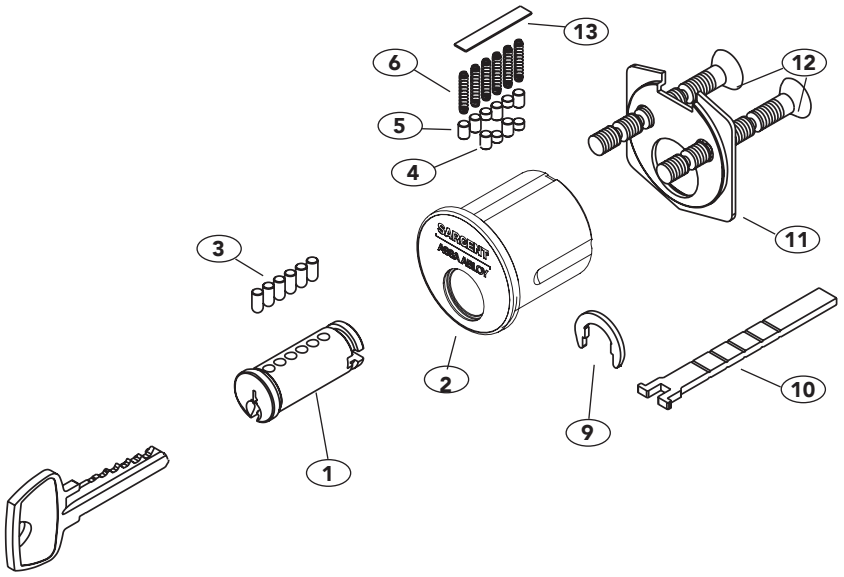
Cylinder Parts: Rim Cylinders

34 RIM CYLINDER PARTS

Standard Cylinders



Item	Description	Part Number	Comment
1	Plug	See Table Below	
2	Cylinder Shell, Cap & Slide Assy.	See Table Below	SARGENT key ways only
3	Bottom Pin	See Table Page 25	
4	Master Pin	See Table Page 25	
5	Top Pin	See Table Page 25	
6	Compression Spring	13-0265	
9	Plug Retainer	13-0080	
10	Tail Piece	13-0085	
	(70) Tail Piece	13-1507	
11	Cylinder Back Plate	13-0086	
12	Connecting Screws	13-0075	#12-24 x 2-5/8" (67mm)
	Standard Connecting Screws	13-0074	#12-24 x 2-1/8" (54mm)
13	6 Pin Slide	13-0779	Mfg prior to 06-2008
	7 Pin Slide	13-0780	Mfg prior to 06-2008
13	6 Pin Slide	13-1341	Mfg after 06-2008
	7 Pin Slide	13-1797	Mfg after 06-2008

14 rim cylinder adapter when used with 8504 exit 13-2099 not shown

No.	Cylinder Length	6 Pin Plug Part Number	7 Pin Plug Part Number	6 Pin Shell & Slide Assy. Part Number	7 Pin Shell & Slide Assy. Part Number
34	—	13-0090	13-0087	13-2005	13-2712

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Tools

432 RC LARGE FORMAT MORTISE HOUSING INSTALLATION TOOL

- The 432 RC tool assists in installing SARGENT Large Format Interchangeable (Removable) Core mortise housings. This tool make it easy to thread a cylinder body into a Mortise lock and can also help check the cylinder function in a lock before installing the cylinder core.
- Order: 432 RC

432 IC SMALL FORMAT MORTISE HOUSING INSTALLATION TOOL

- The 432 IC tool assists in installing SARGENT Small Format Interchangeable Core Mortise Housings. This tool make it easy to thread a cylinder body into a Mortise lock and can also help check the cylinder function in a lock before installing the cylinder core.
- Order: 432 IC

CYLINDER NUT WRENCH

- This wrench simplifies the installation and removal of mortise cylinders nuts used on 700 Series Auxiliary Control (80 Series ET Trim).
- Part number 97-0568

436-1 TOP LOADING TOOL KIT

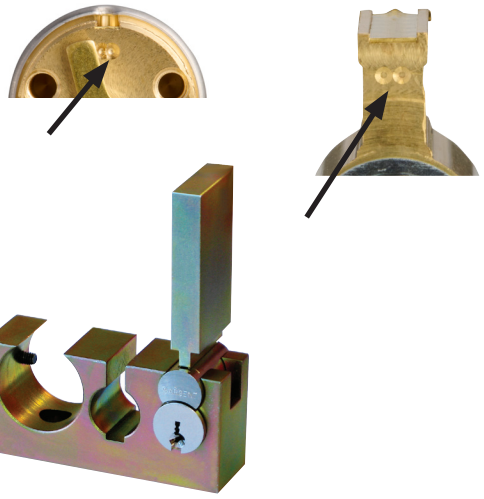
436-1 Kit is used for top loading of Large Format Interchangeable (Removable) Cores or Conventional Cylinders

Top loading feature for conventional cylinders and LFIC simplifies the repinning process. The dovetail cut at the top of the cylinder body allows the slide to be “peeled” off easily, without removing the barrel from the cylinder. These conventional cylinders can be easily identified with the “figure eight” marking on the back of the cylinder body (Shown).

This Kit includes the following components:

- Staking Block
- Staking Tool
- 100 Slides (6 Pin)

Additional slides available ordered separately:
7 Pin part#13-1797
6 Pin part#13-1341



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Construction Master Keying Lost Ball

LOST BALL CONSTRUCTION KEYING (21- OPTION)

Cylinders ordered in SARGENT keyways with construction keying will include the 21- option Lost Ball feature as standard. The 21- is not available with old or new style removable/interchangeable core (5100 & 6300s) or 50- hotel function cylinders. If construction keying is required for removable/interchangeable cores, use 52- or 64- construction keyed cores.

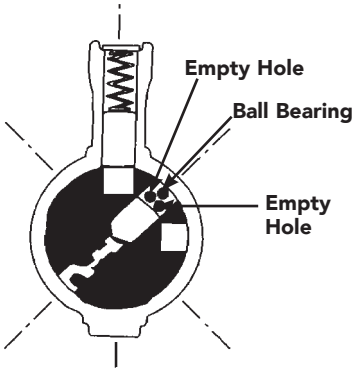
With the lost ball option, construction keying is obtained easily without going back to each cylinder and removing the construction split key when the building gets turned over.

With this feature, the 21- cylinder is master keyed with small ball bearings in one of the chambers. The plug is drilled in two places along both sides of the same chamber containing the balls. This allows the construction master key to be used, while leaving these balls in the chamber above the plug when the key is rotated. When it is time to void the construction key, by simply using the change (day) key these balls will fall into the holes in the plug. The construction master key will now no longer operate the lock.

Field construction (21- lost ball) keying can also be easily accomplished with the # 439 LOST BALL REKEYING KIT. The kit includes a drilling block, knurled pin, 500 balls and drill with collar.

Orders with 21- will have all change keys shipped separately from hardware. New key systems provided with six construction master keys unless otherwise specified.

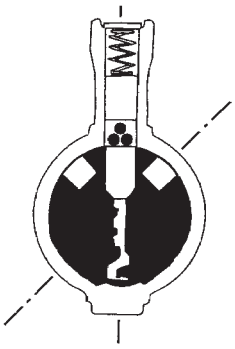
Additions to orders to existing systems are not provided with construction masters unless ordered separately.



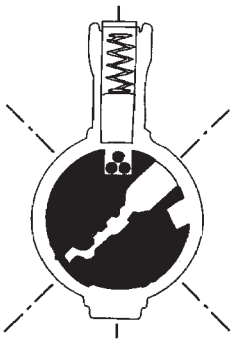
Cutaway cylinder showing construction master key being used. The ball bearings lie flat with one positioned behind the other. They are not stacked.

VOID CONSTRUCTION KEY (WITH CHANGE KEY)

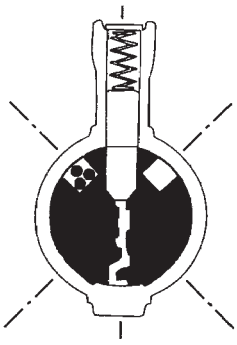
Note: Ball bearings shown are for illustration purposes only. They do not stack, they align next to each other and lay flat.



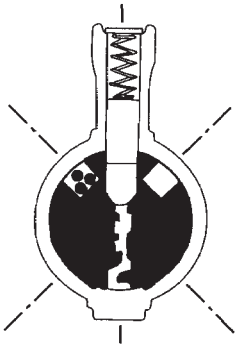
Change key inserted in cylinder



As change key rotates, construction balls fall into hole in the side of plug



Change key rotated to position for extraction



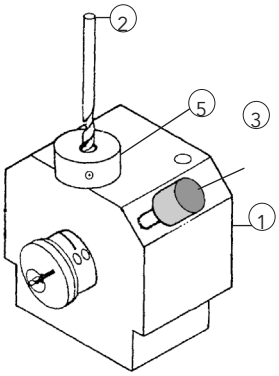
Construction key inserted after balls are trapped. Top pin now extends into plug chamber. Construction key will not rotate

439 CONSTRUCTION KEYING KIT (LOST BALL)

This kit is designed to allow field construction master keying of SARGENT conventional, Signature and XC cylinders.

Each kit includes:

1. Drilling block
2. Drill bit
3. Knurled pin
4. Hex key (not shown)
5. Collar & Set screw Assy.
6. 500 each balls, P/N 13-1103 (not shown)



Drill block shown with plug being prepared for field construction keying

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Bump Resistant Cylinders

These cylinders employ specially engineered patented components designed to resist bumping while maintaining the cylinder's strength.

Bump resistant cylinders offer these features:

- Added line of defense against intruders
- Prevents unauthorized entry

The bump resistant feature is available for the following conventional cylinders (6 and 7 pin only):

- Mortise Cylinders: Conventional and XC (11-)
- Rim Cylinders: Conventional and XC (11-)
- Bored Cylinders: Conventional and XC (11-)

Specify bump resistance by adding BR Prefix.

Not available with 63- or 73- cylinder options.

How to order example: BR-10XG04 LL 26D

BR is marked on the cylinder slide to identify Bump Resistant Cylinders

437BR Bump Resistant Re-Pinning Kit

The 437BR Kit is used to convert existing cylinders into bump resistant cylinders. Simply replace the top pins and springs in all chambers. Each kit includes 300 pins for use in mortise/rim cylinders, 300 pins for use in KIK/KIL cylinders and 600 springs.

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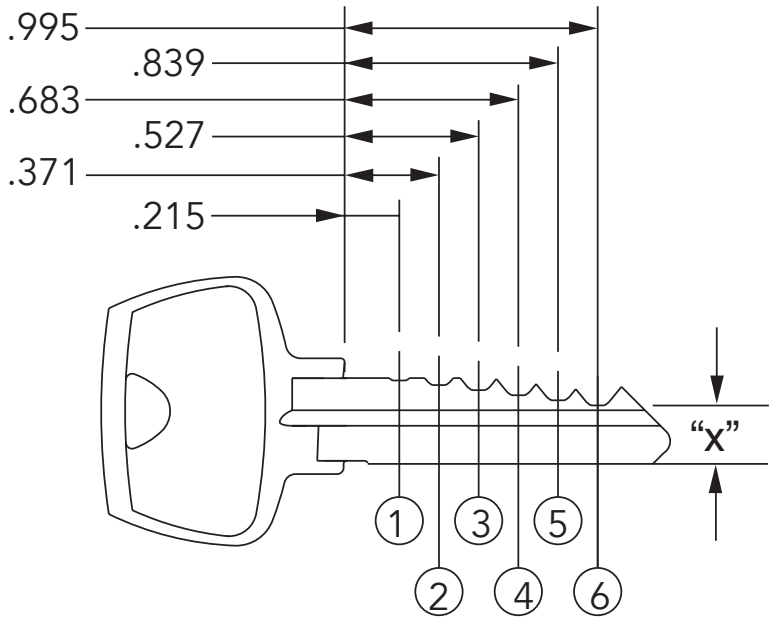
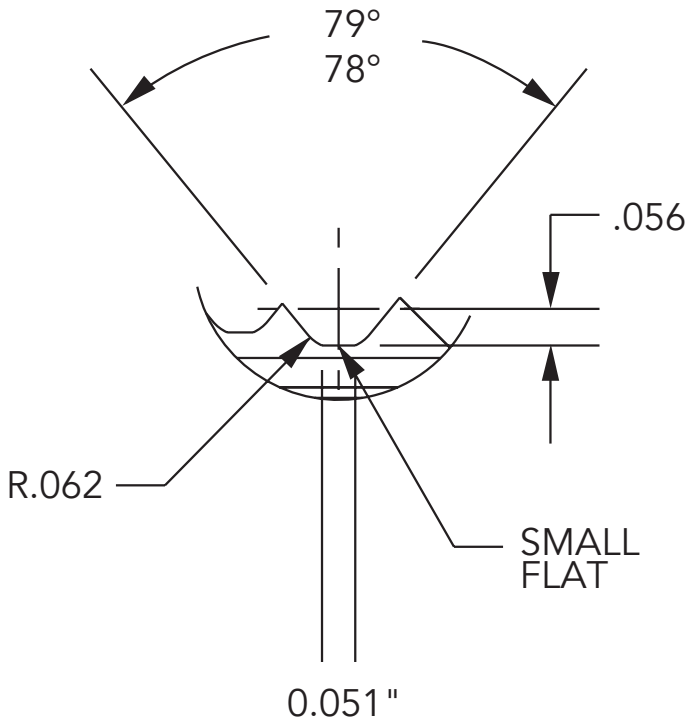
Bitting Dimensions





6 PIN POSITIONS Shown, depth and spacing are the same for 5 & 7 pin

Depth tolerance ± .002", spacing tolerance ± .001"

Cut#	1	2	3	4	5	6	7	8	9	10
X	.330	.310	.290	.270	.250	.230	.210	.190	.170	.150

Above bitting dimensions are for SARGENT cylinders in the following keyway families: A, B, C, G, H, K, L, N, R, V
Maximum Adjacent Cut Specification (MACS) = 7
Cuts read and written bow to tip

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Pins and Springs

BRASS PINS FOR SARGENT KEYWAYS

Bottom Pins	Part Number	Length
Size #1	13-0064	.170
Size #2	13-0065	.190
Size #3	13-0066	.210
Size #4	13-0067	.230
Size #5	13-0068	.250
Size #6	13-0069	.270
Size #7	13-0070	.290
Size #8	13-0071	.310
Size #9	13-0072	.330
Size #10	13-0073	.350

All pins .115 diameter

Master/Top Pins	Part Number	Length
Size #2	13-0051	.040
Size #3	13-0052	.060
Size #4	13-0053	.080
Size #5	13-0054	.100
Size #6	13-0055	.120
Size #7	13-0056	.140
Size #8	13-0057	.160
Size #9	13-0058	.180
Size #10	13-0059	.200
Size #11	13-0060	.220
Size #12	13-0061	.240
Size #13	13-0062	.260
Size #14	13-0063	.280

Signature Pins UL 10-34 & 10-40

Hardened stainless steel bottom pins used only in the 1st chamber of 10-UL 40 Series mortise cylinders & 10-UL 34 Series rim cylinders.

Bottom Pins	Part Number
Size #1	13-1210
Size #2	13-1211
Size #3	13-1212
Size #4	13-1213
Size #5	13-1214
Size #6	13-1215
Size #7	13-1216
Size #8	13-1217
Size #9	13-1218

Stainless spool top pin 13-1223 used in all position 10-UL 40 Series and 10-UL 34 Series cylinders.

Pins Supplied with Keying Kits

	437C/437S		437RC
Size #	Bottom Pins	Master/ Top Pins	Hollow Top Pins Used In Chambers 3 And 4 Of 6300s With Spring 13-0487
1	13-0064		
2	13-0065	13-0051	
3	13-0066	13-0052	13-1229
4	13-0067	13-0053	13-1234
5	13-0068	13-0054	13-1235
6	13-0069	13-0055	13-1236
7	13-0070	13-0056	13-1237
8	13-0071	13-0057	13-1238
9	13-0072	13-0058	13-1239
10	13-0073	13-0059	13-1240
11		13-0060	13-1761
12		13-0061	
13		13-0062	
14		13-0063	

Large Format Interchangeable (Removable) Core Hollow Top Pins 6300, 10-6300 & 11-6300

Different top pins are used only in the 3rd and 4th positions of 6300, 10-6300 and 11-6300 of factory keyed LFIC (Removable) Cores. All other chambers use standard top pins.

Top Pins	Part Number
Size #3	13-1229
Size #4	13-1234
Size #5	13-1235
Size #6	13-1236
Size #7	13-1237
Size #8	13-1238
Size #9	13-1239
Size #10	13-1240
Size #11	13-1761

Springs used with these Hollow top pins are 13-0487

Springs

- 13-0265 or 13-1769 used in all cylinders except 3rd & 4th position of 6300, 10-6300 and 11-6300 cores
- 13-0487 used in 3rd & 4th position of 6300, 10-6300 and 11-6300 cores with hollow top pins

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Keying Kits and Depth Key Sets

437C CONVENTIONAL KEYING KIT

Includes the brass pins, springs and tools needed to rekey SARGENT conventional, XC cylinders (Except SFIC) and interchangeable cores master keyed. This heavy duty steel kit prevents pins from mixing. The kit includes 100 each of top springs 13-0265,100 each 13-1769 springs used with standard top pins in the (10-) 6300 cores and 100 each of bottom and master/top pins used in the following multi-family keyways: LA, RA, HA, CA, AA, BA, GA, KA, NA and VA.
Note: When re-pinning SARGENT 6300 Large Format Interchangeable (Removable) Core cylinders use hollow top pins and springs in chambers 3 and 4 found in the 437 RC supplemental pinning kit.

Tools included with 437C kit are:
- Tweezers
- Bitting Gauge 435
- Loading Thimble ("Plug Holder" LT2)
- Loading Rod for 6, 8, 10, 11, mortise & rim cylinders, 13-1034
- Loading Rod for 480, 470, 460 and 6300 Cores, 13-1035
- Loading Rod Blades 13-1138 and 13-1037
- See Table on Page 25 for pins included

When pins are sold separately, they are packaged in easy to see and use foil & plastic packages in quantities of 100 per size.

437C shown

437S SIGNATURE KEYING KIT

Used to service SARGENT Signature cylinders. Includes all of the same components as the 437C plus:
- 100 Blocking Bar Springs, 13-0986
- 10 each Blocking Bars, 13-1109
- 1 each Field Service Tool, 13-3916

Note: When repining 10-6300 Signature Large Format Interchangeable (Removable) Core cylinders replace with special hollow top pins, the 437RC supplemental pinning kit is required

437 RC LARGE FORMAT INTERCHANGEABLE (REMOVABLE) CORE KEYING KIT

Use with the 437C or 437S kit. Includes additional pins to repin SARGENT 6300 and 10-6300 Large Format Interchangeable (Removable) Core cylinders.
The kit includes special hollow top pins and springs which are to be used in chambers 3 and 4. These pins are in the same increments as standard pins.

Each kit includes:
- 100 each hollow top pin springs, 13-0487
- 50 each cylinder retainers, 01-0660
- 50 each (hollow top pins). See Table on Page 25

DEPTH KEY SETS

Used for manual code key cutting. Each set includes 10 each SARGENT unwarded 6 pin keys. Each different key is cut with all the same bittings from 0 through 9. Order as "Depthkeys".

CYLINDER SPRAY LUBRICANT

3.0 oz aerosol pin number 18-0070
Cylinder Spray Cleaner/Deicer 3.0 OZ aerosol pin number 18-0435
It is recommended to lubricate cylinders at least twice a year for high volume or exterior applications.

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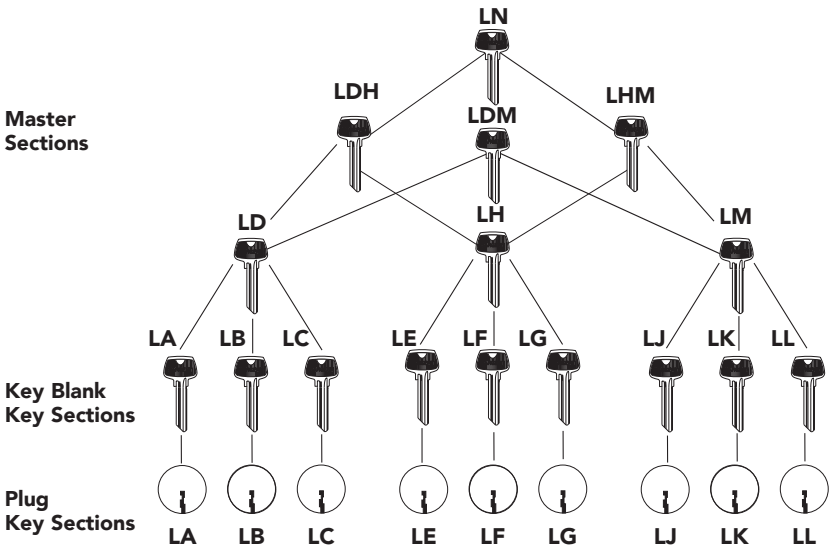
Key Sections/Keyways

MULTIPLEX KEYWAYS (L KEYWAY FAMILY SHOWN, OTHERS SIMILAR)

Multiplex keyways can be used together to expand a keying system. Master sections can be used on more than one cylinder with different plug sections, whereas key blank sections can only be used with cylinders of the same section. For example, a key cut on the LD key blank will operate cylinders with LA, LB or LC plug sections. A key cut on LA key blank will only operate cylinders with LA plug section.



L –	System	Stock Keyways
C –	System	Hotel Keyway (Furnished in Large Bow only)
H –	System	Contract Master Key Systems
R –	System	Contract Master Key Systems

SINGLE SECTION KEYWAYS

Single section keyways are independant, stand alone keyways and can not be tied to any other keyway to expand a keying system. Keys cut on R keyway keyblanks will only operate cylinders with R plug section.

R* **S** **U*** **CR**

*Cylinders in R and U keyways are only available 1-bitted for field keying

RESTRICTED KEYWAYS

Restricted keyways are SARGENT (factory) controlled geographically to limit sales and prevent unauthorized key duplication.
For availability of restricted keyways and key sections, contact SARGENT Key Records Department.
Orders for restricted keyway systems, key blanks and cylinders, require a letter of authorization from the system owner.

Note: Key section drawings are for illustration only. Not actual or to scale.

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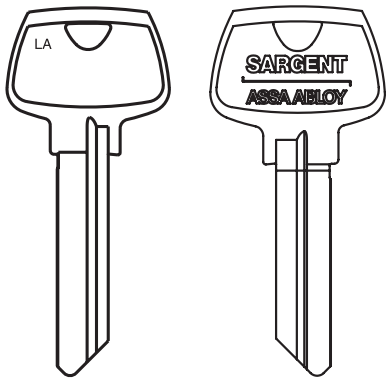
Key Blanks

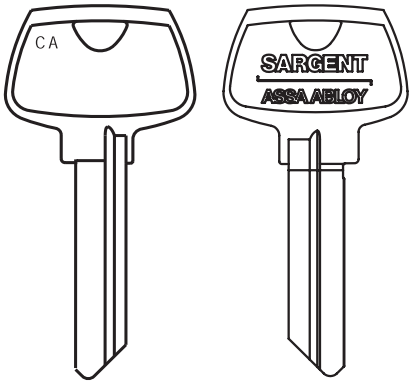
KEY BLANKS

Key blanks are sold in multiples of 50 and are ordered by specifying the catalog part number x key section. All key blanks are provided on the standard bow with the exception of the "C" keyway family. All key blanks include the SARGENT logo and are stamped with the respective key way or keysection.

# of Pins	Catalog Part #	Key Section
5	265	U, R
	270	LD, LH, LM, LDH, LDM, LHM, LN RD, RH, RM, RDH, RDM, RHM, RN
	273	CD, CH, CM, CDH, CHM, CN
	275	S, CDM
		LA, LB, LC, LE, LF, LG, LJ, LK, LL RA, RB, RC, RE, RF, RG, RJ, RK RL
	278	CA, CB, CC, CE, CF, CG, CJ, CK, CL
		CR
6	6265	U, R
	6270	HD, HH, HM, HHM, HDH, HDM, HN LD, LH, LM, LDH, LDM, LHM, LN RD, RH, RM, RDH, RDM, RHM, RN
	6273	CD, CH, CM, CDH, CHM, CN
	6275	S
		HA, HB, HC, HE, HF, HG, HJ, HK, HL LA, LB, LC, LE, LF, LG, LJ, LK, LL RA, RB, RC, RE, RF, RG, RJ, RK RL
	6278	CA, CB, CC, CE, CF, CG, CJ, CK, CL
		CR
7	7270	LD, LH, LM, LDH, LDM, LHM, LN RD, RH, RM, RDH, RDM, RHM, RN
	7273	CD, CDM, CH, CM, CDH, CHM, CN
	7275	LA, LB, LC, LE, LF, LG, LJ, LK, LL RA, RB, RC, RE, RF, RG, RJ, RK RL
	7278	CA, CB, CC, CE, CF, CG, CJ, CK, CL
		CR



Standard 6 pin



Large Bow approximately 15% larger than standard bow. Provided for SARGENT "C" family as standard.

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Keys and Bitting Lists

KEYS

All orders for keys require keyset symbols, system registry number, and catalog part number.

Master Keys

Catalog Part #	# Pins	Description
272MK	5	Cut master keys (standard and LFIC)
6272MK	6	
7272MK	7	
6282BMK	6	Cut master keys (SFIC)
7282BMK	7	

Change Keys

Catalog Part #	# Pins	Description
272CHK	5	Cut change keys (standard and LFIC)
6272CHK	6	
7272CHK	7	
6282BCHK	6	Cut change keys SFIC
7282BCHK	7	Cut change key 7 pin SFIC

Control Keys

Catalog Part #	# Pins	Description
6272CTL	6	Control key (LFIC)
6255CTL	6	Control key (LFIC- 1-bitted)
7253CTL	7	Control key (51-)
6282BCTL	6	Control keys (SFIC)
7282BCTL	7	

Emergency Keys

Catalog Part #	# Pins	Description
6267EMK	6	Emergency key - bored cylinder
7268EMK	7	Emergency key - mortise cylinder
7269EMK	7	Emergency key - mortise LFIC Hotel

Construction Master & Control Keys

Catalog Part #	# Pins	Description
6272CMK	6	Construction master keys (21-)
6251CMK	6	Construction master keys - LFIC (64-)
6251CTL	6	Construction control keys - LFIC (64-)
6282BCMK	6	Construction master keys - SFIC (72-)
6254BCTL	6	Construction control keys - SFIC (72-)
7282BCMK	7	Construction master keys - XC SFIC (11-72-)
7254BCTL	7	Construction control keys - XC SFIC (11-72-)

BITTING LISTS

Paper bitting lists provided at no charge for factory corresponding keyed orders when requested at time of hardware order. An owners letter of authorization must be attached to all purchase orders. Existing key system bittings lists also available contact key records for more information.

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Visual Key Control and Tamper Proof Packaging

VISUAL KEY CONTROL (STAMPING)

To allow for easier key and cylinder identification, SARGENT offers the option for permanent stamping of keys and/or cylinder with industry standard alpha-numeric keyset symbols.

Non-visual key control stamped change (day) keys include bitting numbers as standard, (Item A) unless specified in keying order lead sheet submitted with order requesting to be omitted and key set substituted.

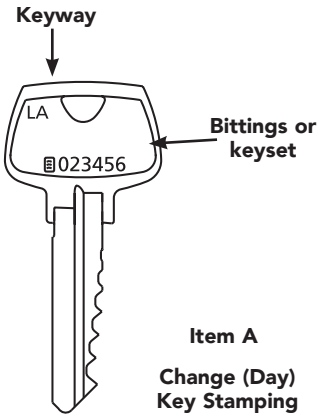
Degree, SFIC and Signature change keys are stamped with key set symbols as standard.

Master level keys do not include bitting numbers. Master level keys include system register numbers stamped on the first line, and the standard visual key control designations on the second line (Item B).

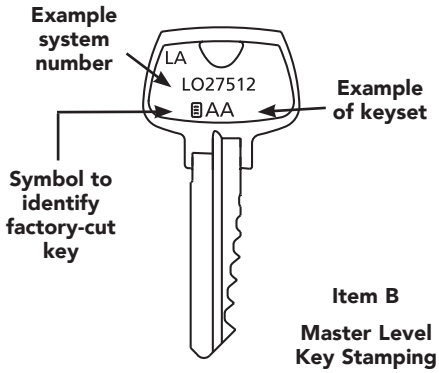
Up to 7 characters available for permanent stamping for Visual Key Control

- Key and cylinder identified by industry standard alpha-numeric keyset symbols
- Easy visual identification on the face of the plug (Item C or Item G or H) not available with XC, Signature or SFIC cylinders
- Concealed stamping on mortise and rim cylinders and bored lock cylinders available on the slide only (Item D or I)
- Cylinder-slide stamping available on 5100 and 6300 SARGENT Large Format Interchangeable (Removable) Cores, bored lock, mortise/ rim cylinders (Item D, E & I)
- Core side engraving available for 7300B Series up to 7 characters (Item F)
- Special key stampings available, such as “DO NOT DUPLICATE” or “CITY OF PHOENIX”
- Degree, XC, and Signature cylinders not available with visual plug stamping
- Degree, XC, and Signature cylinders available with only concealed slide stamping (Item D, E and I) only
- Degree, XC, and Signature Large Format Interchangeable (Removable) Cores 10-6300 available with cylinder slide stamping (Item E, I D)

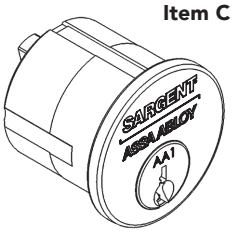
Note: SARGENT will stamp alternate identity codes on cylinders and/or keys whenever requested. This alternate stamping can not be different if both are to be stamped. Master Level Keys can also be stamped with a single alternate code. Alternate stamping must be consistent for key set on entire order for key and/or cylinder.



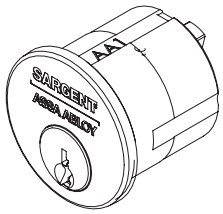
Item A
Change (Day) Key Stamping



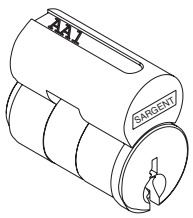
Item B
Master Level Key Stamping



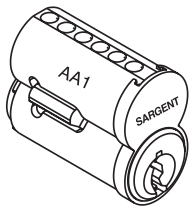
Item C



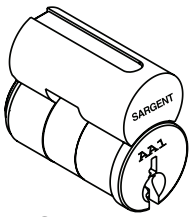
Item D



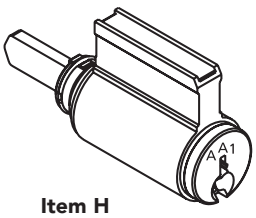
Item E



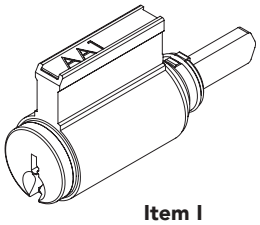
Item F



Item G



Item H



Item I

TAMPER PROOF PACKAGING

For the highest level of security for the end user, Tamper Proof Packaging is used on all Master Keys, Signature key blanks and all restricted key blanks. This heat sealed shrink wrap identified with “SARGENT Sealed For Your Security” provides assurance of the integrity of the factory generated key system.

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Master Keying and Cylinder Terms

SARGENT requires all orders containing Master Keying details to be submitted using the industry standard D.H.I. ANSI/BHMA format. Key Symbols used on a master keyed order require combinations of letters and/or letters and numbers.

For complete details on proper structuring format of key symbols refer to:

D.H.I. Handbook Section 8 Finish Hardware KEYING SYSTEMS AND NOMENCLATURE or, ANSI/BHMA Standard A156.28, AMERICAN NATIONAL STANDARDS FOR KEYING SYSTEMS.

Or contact SARGENT for assistance.

BASIC KEYING TERMS

Keys and terms	Abbreviation	Definition
Change key	CK	Individual lock key
Masterkey	MK	Operates any given quantity of cylinders with different key changes
Grand Masterkey	GMK	Operates all individual locks already operated by masterkey(s)
Great Grand Masterkey	GGMK	Operates all locks under the various masterkey(s) and grand master key(s) already established
Emergency Key	EMK	Operates hotel locks having shut out feature which blocks entry by all other keys
Construction key	CMK	Operates all cylinders designated for a temporary period during construction
Control Key	CTL	Key to install or remove interchangeable or removable cores
Keyway	KWY	Broaching in a cylinder plug
Key section	KWY	Sidewarding on key to match broaching in plug
Single keyed	SKD	Cylinders operated by their change key only; not operated by any master key

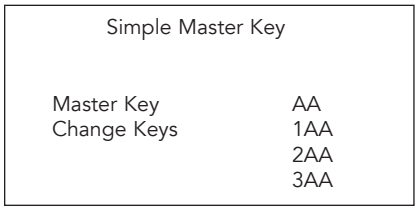
CYLINDER TERMS

ALOA* adopted terms	Alternate terms
Shell	Cylinder body, Cylinder shell
Plug	Barrel, Cylinder barrel
Tail Piece	Connecting bar
Bottom Pins	Key pin, Ball end pins
Master Pins	Splits, Chips
Top Pins	Drivers
Change Key	Day key
Key Cut	Bit

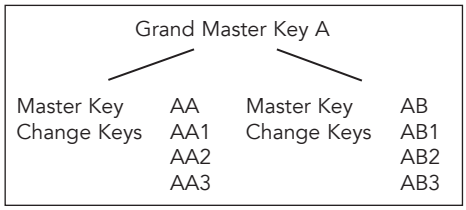
* Associated Locksmiths of America

EXAMPLES OF MASTER KEY SYSTEM LEVELS AND SYMBOL STRUCTURE**

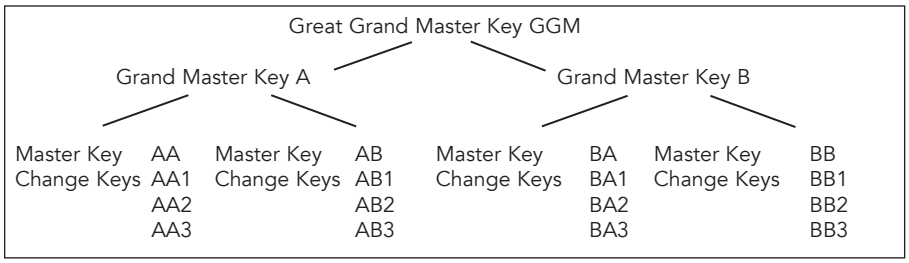
Level 2



Level 3



Level 4



** Master key system levels greater than Level 4 are not recommended. Contact SARGENT Key Records for additional information

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Master Key System Order Forms

Master key leadsheets and order forms are informational documents that provide key system set-up details for the factory to design and process master key system requests. These documents can be accessed here, via the website or by calling the key records dept at 800-727-5477.

Master Key Order Leadsheet

Note: Only One Leadsheet/Key System Per Purchase Order

Distributor Name: _____

P.O. # _____

Job Name* (will be used as the Key System Name on file): _____

*REQUIRED

End User Name: _____

Address: _____

City: _____ State: _____ Zip: _____

(1) SYSTEM STATUS

❑ New (SARGENT Generated); Please complete System Design Section 2 below and identify Future Cylinder Features required in Section 7

❑ Field-Specified Bittings; Field-Specified Bittings must be attached if your order needs to be keyed to specific bittings

❑ Existing. Please complete one of the following:

Registry Number*: _____

TMK Bitting & Keyway: _____

Prior SARGENT Order Number*: _____

*Used to locate keying information ONLY. All other order requirements must be identified in sections below.

(2) SYSTEM DESIGN LAYOUT (New Systems ONLY) - Select Level & Indicate Future Requirements
Click here for System Design Layout example

Please note, this section is for system layout only. Please provide estimated number of keys for future expansion. For cut key quantities, please refer to section 6.

❑ Level 4 GGMK		❑ Level 3 GMK		❑ Level 2 MK	
# of Grand Masters under Great Grand Master		# of Masters under the Grand Master		# of Changes under Master	
# of Masters under each Grand Master		# of Changes under each Master			
# of Changes under each Master					

❑ 5-Pin System ❑ 6-Pin System (Default) ❑ 7-Pin System

Additonal Information (Please complete the following if your system will have Sub-Master level or SKDs)

❑ SubMaster Keying Level Required: See Keying Notes Attached

# of SubMaster Keys under each Master _____

# of Change Keys under each SubMaster _____

❑ SKD's No of Different SKDs: _____

(3) SYSTEM TYPE (Required for New Systems only)

❑ Conventional (Sargent Std, includes Signature) ❑ Degree ❑ KESO ❑ SFIC (Best)

Note: Select Future Cylinder Features required in Section 7.

Conventional (Non-removeable Core, LFIC (prefix 63), XC (prefix 11), Signature (prefix 10)); Degree (prefixes DG1, DG2, DG3); Keso (prefixes 82, 83); SFIC (prefixes 73, 11-73).

(4) KEY WAY (Only required if you need a specific keyway)

Keyway Selection: SARGENT Manufacturing will assign keyways unless specified otherwise below.

❑ Customer Specified Keyway _____

Use of Restricted Keyways (A, B, G, V, K, N and 4B) have to be pre-approved by SARGENT Key Records.

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Notes

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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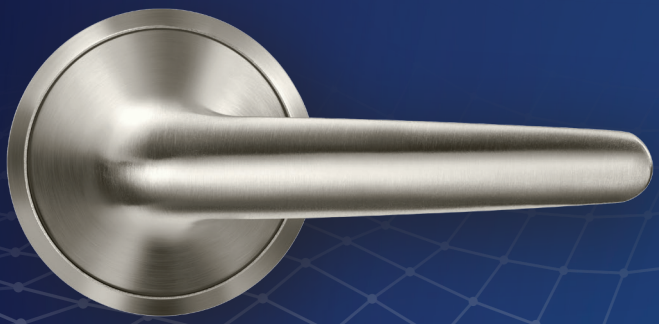
SARGENT
ASSA ABLOY

PRODUCT CATALOG

Healthcare Hardware



Experience a safer
and more open world

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MICROSHIELD®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

MICROSHIELD® COATING

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

agion Nature's antimicrobial

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

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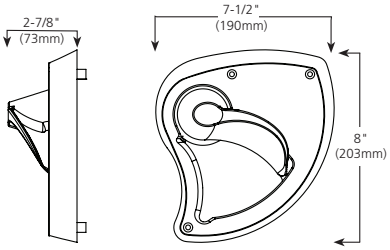
90712 01/26

10X Line Cylindrical Lock with BHW* Trim

SARGENT
ASSA ABLOY

10X LINE WITH BHW TRIM

Part of the Behavioral Health Series® of products, the 10X Line cylindrical lock with BHW trim provides an innovative solution for behavioral health environments. The unique integrated lever and escutcheon combine aesthetics with safety. Ease of operation, along with the strength and versatility of the 10X Line cylindrical lock allows its use in many applications.



Features

- ANSI/BHMA Grade 1
- UL Fire Rated
- Available in 12 functions
- Easy installation
- Tapered surfaces on all components
- ADA Compliant
- Available with MicroShield®, an antimicrobial coating
- 6 Lobe head security screws (Torx® type) are standard with BHW Trim
- Finish: 32D
- Handed

How To Order

SG-FW-	10X	G37	BHW	32D	RHR
Option	Series	Function	Trim	Finish	Hand*
Mechanical Options this page	10X Line Cylindrical Locks	See page 13	Lever & Escutcheon	32D	RHR
					LHR
Cylinder Options see 10X Line catalog					RH
					LH

*Always specify hand of lock

Specifications

Door Thickness	1-3/4" (44mm) thick door adjusts to 2" (51mm)		
Backset	2-3/4" (70mm) backset w/ 1-1/8" (29mm) front (standard)		
Latchbolt	Stainless steel, 1/2" (13mm) throw		
Front	Stainless steel, 2-1/4" x 1-1-8" (57mm x 29mm) Fixed Bevel		
Hand	Handed - Must specify hand on order		
Options	Cylinders	Brass, 6-pin LA keyway, 1-bitted standard, specify KD for keyed different/random.	
	Backset	23-	3-3/4" (95mm) backset w/ 1-1/8" (29mm) front
		25-	5" (127mm) backset w/ 1-1/8" (29mm) front
	Strikes	29-	800 curved lip strike
		WBS-	Wrought Box Strike
	Electrical Options	RX-	Request to Exit - Monitors each lever independently
	Lead Lining	74-	Lead provided between lockbody and spring cartridge
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat
Strike	Stainless steel, 808 curved lip ANSI 4-7/8" strike standard		
Keys	Two nickel silver change keys per lock standard		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Outside Locked Lever	Free-wheeling (FW-) or rigid* (RGD) option for outside locked lever MUST be specified for the following functions: 10XG04, 10XG05, 10XG17, 10XG24, 10XG26, 10XG37, 10XG54, 10XU65, 10XG70 and 10XG71		
Stile	8-1/2" (216mm) minimum stile		
Door Prep	ANSI/SDI A250.14 modified per SARGENT standard cylindrical template 4753		

*Although this product is better designed for behavioral health applications than traditional trim, it does not eliminate the risk that an object can be affixed to, or around it. A lockset function that requires a rigid lever when locked or a push/turnbutton may introduce a ligature opportunity.

Packaging

10XG04 x BHW	approx. 14.6 lbs. (6.6kg)	1 per box/case

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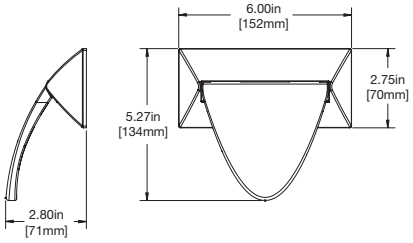
HP Series Tubular Lock with Push/Pull ALP Trim

HP TUBULAR LOCK WITH PUSH/PULL ALP TRIM

The HP Series Tubular Lock with ALP push/pull trim provides an aesthetically- pleasing alternative to standard push/pull products. Ease of operation allows its use in many environments, including healthcare and education. The paddle shape and location create a comfortable target for door activation without using hands.



Shown with optional Push/Pull identification

Features

- Paddle trim can be mounted in horizontal (up or down) or vertical (sideways) orientations in the field
- Easy installation
- Available in 2 functions
- 15 function trim is non-handed; lockbody is easily field reversible
- Through-bolted trim for stability
- Available in 2-3/4", 5" or 7" backsets
- UL Fire Rating standard
- Torx® and spanner screws optional with ALP
- Lead lining is optional: specify 74- option
- Covers and paddles are cast stainless steel
- Finish: 32D

Series and Function	Descriptions
HPU15 Passage	- Both paddles retract latch - Ideal for patient rooms and closets
HPU65 Privacy	- Inside paddle always retracts latch - Outside paddle retracts latch, except when locked by inside push button - Closing door unlocks outside paddle - Includes emergency release - Ideal for bathrooms - Vertical orientation required

How To Order

SG-	HP	U65	ALP	32D	RHR
Option	Series	Function	Trim	Finish	Hand*
Mechanical Options this page	HP Series Tubular Locks	U15 - Passage U65 - Privacy	Push/Pull Trim	32D	RHR LHR RH LH

*Always specify hand of lock
- 15 function is Non-Handed
- 5" Backset standard with square corner front, 2-1/4" x 1-1/8"

Specifications

Door Thickness	1-3/4" (44mm) to 1-7/8" (47mm) standard; for doors greater than 1-7/8" (47mm) to 2-1/4" (57mm), specify 31- and door thickness (For thicker doors, consult factory)		
Backset	**5" (127mm) standard.** For 2-3/4" (70mm) backset (specify as 24-HP) and 7" (177mm) backset (specify as 26-HP) available on order		
Strike	4-7/8" (124mm) ANSI/SDI A250 14 ANSI curved lip strike # 808*		
Bolt	Brass, 1/2" (13mm) throw		
Hand	Specify hand (RHR, RH, LHR or LH)		
Escutcheons	Cast stainless steel		
UL Listed	UL Listed for use on fire doors (4x10 opening)		
Options	Backsets	24-	2-3/4" (70mm) backset
		26-	7" (177mm) backset
	Strikes	14-	505 Full Lip Strike
		29-	Strike #800 Lip length 1-1/4" (32mm)
		WBS-	Wrought Box Strike
	Thick Doors	31-	For doors thicker than 1-7/8" to 2-1/4"; specify 31- and door thickness
	Security Screws	36-	6-Lobe Security Head Screws
		37-	Spanner Security Head Screws
	Lead Lining	74-	Lead lined
	Antimicrobial Coating	SG-	MicroShield® – Antimicrobial clear powder coat (only available with 32D finish)
	Markers	P-	Push/Pull Paddle Identification (non-handed)
Finishes	32D For other finishes consult factory		
Finish Protection	CPC-		Clear Powder Coat
Door Prep	ANSI/SDI A250.14 modified per SARGENT standard bored template 4695		

*This strike provided standard effective February 1, 2026. Option 28- no longer required. If 2-3/4" curved lip strike needed, specify 29- option.

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114/115 Series Push/Pull Trim

Designed for convenience and utility, the 114/115 hospital latches open with a gentle pull or slight push, making them ideal for hands free operation. Both the 114 push-pull and 115 push-pull latch with its low profile helps eliminate any obstruction while passing through an opening. Slim tapered paddles and smartly styled escutcheons possess all the elements of tasteful, yet functional design. The chassis design makes this hospital latch constructed for both durability and ease of install.

114 PUSH-PULL

114 push and pull paddles are mounted in the down position as shown and are available with “PUSH’’ and “PULL’’ stamped into the top of the escutcheon.

115 PUSH-PULL

115 push are mounted in the up position only and pull paddles are mounted in the down position only. Paddles are available with "PUSH" and "PULL" stamped into the top of the escutcheon as shown.

Specifications

For Doors	1-3/4" (44mm) to 2-1/4" (57mm)		
Backset	5" (127mm) standard. For 2-3/4" (70mm) backset (specify as 24-115) and 7" (177mm) backset (specify as 26-115) available on order		
Strike	4-7/8" (124mm) ANSI/SDI A250.14 ANSI curved lip strike # 808*		
Bolt	Brass, 1/2" (13mm) throw		
Hand	Specify hand (RHR, RH, LHR or LH)		
114	Push/Pull Paddles - **both mounted down position only**. Cast; Projection from door 3-1/4" (83mm)		
115	Push Paddle - **mounted up position only.** Cast; 1-5/8" (41mm) x 4-1/2" (114mm); Projection from door 2-1/2" (64mm)		
115	Pull Paddle - **mounted down position only.** Cast; 1-5/8" x 4-3/4"; Projection from door 2-15/16"		
Escutcheons	Cold drawn; 2-1/2" (64mm) x 6-7/8" (175mm)		
UL Listed	UL Listed for use on fire doors. See Underwriters Laboratories Building Materials List		
Options	Backsets	24-	2-3/4" (70mm) backset
		26-	7" (177mm) backset
	Strike	29-	Strike #800 Lip length 1-1/4" (32mm)
		WBS-	Wrought Box Strike
	Security Screws	36-	6-Lobe Security Head Screws
		37-	Spanner Security Head Screws
	Lead Lining	74-	Lead lined. Specify Push or Pull side
	Antimicrobial Coating	SG-	MicroShield® – Antimicrobial clear powder coat (only available with 26D finish)
	Push/Pull Marking	P-	Push/Pull to be stamped on each escutcheon
	Through Bolts	TB-	Through-bolt pack, specify door thickness: 1-3/4", 2" & 2-1/4"
Finishes	03, 04, 09, 10, 10B, 10BE, 15, 26, 26D For other finishes consult factory		

*This strike provided standard effective July 2025. Option 28- no longer required. If 2-3/4" curved lip strike needed, specify 29- option.

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8200 Series with BHW* Trim

SARGENT
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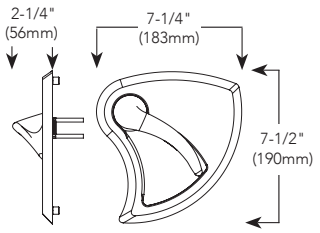
8200 SERIES WITH BHW TRIM

Part of the Behavioral Health Series® of products, the 8200 Series mortise lock with BHW trim provides an innovative solution for behavioral health environments. The unique integrated lever and escutcheon combines aesthetics with safety. Ease of operation, along with the strength and versatility of the 8200 Series mortise lock allows its use in many applications.



Features

- ANSI/BHMA Grade 1
- UL Fire Rated
- Available in 48 functions
- Uses standard mortise prep
- Easy installation
- Tapered surfaces on all components
- ADA Compliant
- Available with MicroShield®, an antimicrobial coating
- 6 Lobe head security screws (Torx® type) are standard with BHW Trim
- Matching thumbturn
- Finish: 32D
- Trim only option available with existing sectional and escutcheon trim only
- Handed
- BHW trim only kits. Includes inside and outside trim. Cylinder functions include 1SB- collar for use with 1-1/8" cylinders.
  - 694-1 Trim only, non-keyed functions
  - 694-2 Trim only, single cylinder functions
  - 694-3 Trim only, double cylinder

How To Order

SG-11-	82	37	BHW	32D	RHR
Option	Series	Function	Trim	Finish	Hand*
Mechanical Options this page	8200 Series Mortise Locks	See page 13	Lever & Escutcheon	32D	RHR
					LHR
Cylinder Options see 8200 Series catalog					RH
					LH

*Always specify hand of lock

Specifications

Door Thickness	1-3/4" (44mm) to 1-7/8" (47mm) standard; for doors greater than 1-7/8" (47mm) to 2-1/4" (57mm), specify 31- and door thickness (For thicker doors, consult factory)		
Backset	2-3/4" (70mm) only		
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")		
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm). Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)		
Springs	High carbon steel		
Latchbolt	Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch		
Auxiliary Deadlatch	Stainless steel, non-handed		
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection		
Hand	Handed - Must specify hand on order		
Options	Cylinders	Brass, size #41 (1-1/8") LA keyway, 1-bitted standard, specify KD for keyed different/random.	
	Strikes	23-	4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip
		OBS-	Open Back Strike
		WBS-	Wrought Box Strike
	Thick Doors	31-	For doors thicker than 1-7/8" to 2-1/4"; specify 31- and door thickness
	Electrical Options	DX-	Deadbolt monitoring - Monitor deadbolt position (not available with LX-)
		LX-	Latchbolt monitor - Monitors latchbolt position (not available with deadbolt functions)
		RX-	Request to Exit - Monitors each lever independently (except when used with 56-)
		56-	Motorized electric latch retraction (04, 15, 17, 70, 71, 72, 73 functions)
	Lead Lining	74-	Lock case wrapped in lead (specify hand)
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat (available with 32D finish only)
Strike	Brass, bronze or stainless steel; ANSI/SDI A250.14 standard; curved lip, non-handed (strike box optional)		
Keys	Two, nickel silver (control key or emergency key must be ordered when required) #41 (1-1/8") cylinder supplied standard		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Stile	8-1/2" (216mm) minimum stile		
Door Prep	ANSI/SDI A250.14 modified per SARGENT standard mortise template 4711		

* Although these products are better designed for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.

Packaging

8205 x BHW	approx. 14.1 lbs. (6.4kg)/box	1 per box/case

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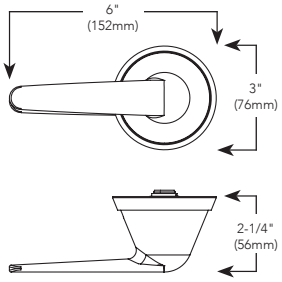
8200 Series with BHL* Trim

8200 WITH BHL TRIM

The SARGENT BHL trim is part of the Behavioral Health Series® of products. With an array of functions, this trim can be used on virtually any opening in healthcare applications. Sloping surfaces and overlapping rose and lever address safety concerns common in behavioral health. Optimal for tough environments, the SARGENT 8200 Series mortise lock provides impressive strength and reliability.



Features

- Available in 41 functions
- UL Fire Rated
- ANSI/BHMA Grade 1
- Inside and outside levers rotate freely up and down to 45° when locked
- Sloped surfaces
- Concealed hardware
- Overlapping lever and rose construction
- ADA compliant
- 6 Lobe head security screws (Torx® type) are standard with BHL Trim
- Non-handed
- Finish: 32D
- Available with MicroShield®, an antimicrobial coating

How To Order

SG-11-	82	37	BHL	32D	LH
Option	Series	Function	Trim	Finish	Hand
Mechanical Options this page	8200 Series Mortise Locks	See page 13	BHL	32D	RHR
					LHR
Cylinder Options see 8200 Series catalog					RH
					LH

Specifications

Door Thickness	1-3/4" (44mm) to 1-7/8" (47mm) standard; for doors greater than 1-7/8" (47mm) to 2-1/4" (57mm), specify 31- and door thickness (For thicker doors, consult factory)		
Backset	2-3/4" (70mm) only		
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")		
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm). Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)		
Springs	High carbon steel		
Latchbolt	Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch		
Auxiliary Deadlatch	Stainless steel, non-handed		
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection		
Hand	Non-handed		
Options	Cylinders	Brass, size #41 (1-1/8") LA keyway, 1-bitted standard, specify KD for keyed different/random.	
	Strikes	23-	4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip
		OBS-	Open Back Strike
		WBS-	Wrought Box Strike
	Thick Doors	31-	For doors thicker than 1-7/8" to 2-1/4"; specify 31- and door thickness
	Security Screws	37-	Spanner head security screws (available with front plate and strike only)
	Lead Lining	74-	Lock case wrapped in lead (specify hand)
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat (available with 32D only)
	Electrical Options	DX-	Deadbolt monitoring - Monitor deadbolt position (not available with LX-)
		LX-	Latchbolt monitor - Monitors latchbolt position (not available with deadbolt functions)
		RX-	Request to Exit - Only available when used with 56- (lever monitoring not independent)
		56-	Motorized electric latch retraction (04, 15, 17, 70, 71, 72, 73 functions)
Strike	Brass, bronze or stainless steel; ANSI/SDI A250.14 standard; curved lip, non-handed (strike box optional)		
Keys	Two, nickel silver (control key or emergency key must be ordered when required) #41 (1-1/8") cylinder supplied standard		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Stile	4-1/2" (114mm) minimum stile		
Door Prep	ANSI/SDI A250.14 modified per SARGENT standard mortise template 7057		

Packaging

8205 x BHL	approx. 6.1 lbs. (2.7kg)/box	6 boxes/case

* Although these products are a better design for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.

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8200 Series with Push/Pull Trim (ALP)

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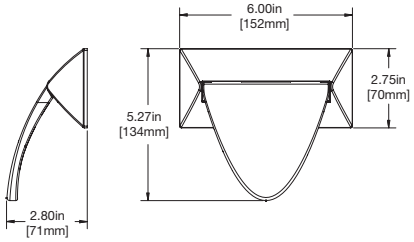
8200 SERIES WITH PUSH/PULL TRIM (ALP)

The Series 8200 mortise lock with push/pull trim provides an aesthetically-pleasing alternative to standard push/pull products. Ease of operation, along with the strength, versatility and integrity of the 8200 Series mortise lock, allows its use in many types of environments. Perfect for health care facilities, including behavioral health units, patient room doors and operating rooms.



Features

- Available in 45 functions
- Paddle trim can be mounted in horizontal (up or down) and vertical (sideways) orientations in the field
- Easy installation
- Trim is non-handed; lockbody is easily field reversible
- Through-bolted trim for stability
- Torx® and spanner screws optional with ALP
- Lead lining is optional (Lockbody only), specify 74- option
- Covers are cast stainless steel
- Paddles are cast stainless steel
- Finish: 32D

How To Order

SG-11-	82	37	ALP	32D	LHR
Option	Series	Function	Trim	Finish	Hand
Mechanical Options this page	8200 Series Mortise Locks	See page 13	Lever	32D	RHR
					LHR
Cylinder Options see 8200 Series catalog					RH
					LH

Note: ALP trim requires a special 8200 mortise lock body, which is shipped automatically when ALP is specified. When ordering a lock body only for use with ALP trim, please refer to your SARGENT Price Book for the correct ordering number.

Specifications

Door Thickness	1-3/4" (44mm) to 1-7/8" (47mm) standard; for doors greater than 1-7/8" (47mm) consult factory		
Backset	2-3/4" (70mm) only		
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")		
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm). Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)		
Springs	High carbon steel		
Latchbolt	Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch		
Auxiliary Deadlatch	Stainless steel, non-handed		
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection		
Hand	Specify hand on order; easily field reversible		
Options	Cylinders	Brass, size #41 (1-1/8") LA keyway, 1-bitted standard, specify KD for keyed different/random.	
	Strikes	23-	4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip
		OBS-	Open Back Strike
		WBS-	Wrought Box Strike
	Security Screws	36-	6 Lobe head security screws (Torx® type)
		37-	Spanner head security screws
	Indicators	49-	Visual Status Indicator or Occupancy Indicator w/Emergency Release
		50-	Secured Indicator
	Lead Lining	74-	Lock case wrapped in lead (specify hand)
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat (only available with 32D finish)
	Markers	P-	Push/Pull Paddle Identification (Non-handed)
	Electrical Options	RX-	Request to Exit - Only available when used with 56- (lever monitoring not independent)
		56-	Motorized electric latch retraction (04, 15, 17, 70, 71, 72, 73 functions)
		LX-	Latchbolt monitor - Only available when used with 56- and RX-
Strike	Brass, bronze or stainless steel; ANSI/SDI A250.14 standard; curved lip, non-handed (strike box optional)		
Keys	Two, nickel silver (control key or emergency key must be ordered when required) #41 (1-1/8") cylinder supplied standard		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Stile	4-1/2" (114mm) minimum stile		
Door Prep	ANSI/SDI A250.14 modified per SARGENT standard mortise template 7057		

Packaging

8205 x ALP	approx. 6.1 lbs. (2.7kg)/box	6 boxes/case

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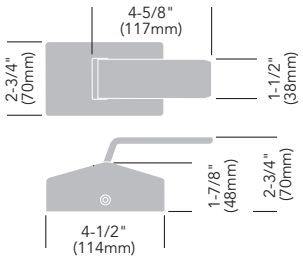
7800 Series with Push/Pull Trim (PT)

7800 SERIES WITH PUSH/PULL TRIM (PT)

The Push/Pull design known for its ease of operation is coupled with the strength and integrity of a mortise lock to provide greater versatility. The trim, commonly used in hospitals and health care facilities, can now service conference rooms, handicapped restrooms, laboratories and pharmaceutical facilities that require more durability and security features than a cylindrical lock can provide.



Spindle centered in escutcheon

Features

- Available in 11 functions
- Paddle trim orientation can be mounted in vertical (up or down) and horizontal positions as a standard product, no need for specifying mount positions on order
- Down or horizontal paddle orientation is required for cylinder side of door
- Horizontal paddle orientation is required if a thumb turn or an emergency release is used.
- Easy installation
- Handing is easily field reversible
- Through-bolted trim for stability
- 6 Lobe security type screws (Torx®) standard for PT trim
- Engraving on paddle – consult factory
- Lead lining is optional (Lockbody only), specify 74- option
- Covers are heavy wrought stainless steel, brass or bronze
- Paddles are cast stainless steel, brass or bronze
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 20D, 32, 32D

How To Order

SG-11-	78	37	PT	32D	LH
Option	Series	Function	Trim	Finish	Hand
Mechanical Options this page	7800 Series Mortise Locks	See page 13	Push/Pull Trim	03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32 or 32D	RHR
					LHR
Cylinder Options see 7800 Series catalog					RH
					LH

NOTE: The PT trim is always supplied with an 7800PT mortise lockbody, all mortise lockbodies are labeled for ease of identification. When ordering lockbody only for PT trim, always specify 7800PT lockbody.

Specifications

For Doors	Door thickness 1-3/4" (44mm) to 2" (51mm) standard with adaptable spindle. For thicker doors, consult factory.		
Backset	2-3/4" (70mm) only		
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")		
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm). Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm) 1/8" (3mm) in 2" (51mm)		
Springs	High carbon steel		
Latchbolt	Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch		
Auxiliary Deadlatch	Stainless steel, non-handed		
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection		
Hand	Specify hand on order; easily field reversible		
Options	Cylinders	Brass, size #41 (1-1/8") LA keyway, 1-bitted standard, specify KD for keyed different/random.	
	Strikes	23-	4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip
		OBS-	Open Back Strike
		WBS-	Wrought Box Strike
	Security Screws	37-	Spanner head security screws
	Electrical Options	DX-	Deadbolt monitoring - Monitor deadbolt position (not available with LX-)
		LX-	Latchbolt monitor - Monitors latchbolt position (not available with deadbolt functions)
		RX-	Request to Exit - Monitors each lever independently
	Lead Lining	74-	Lock case wrapped in lead (specify hand)
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat (available with 32D finish only)
Strike	Brass, bronze or stainless steel; ANSI/SDI A250.14 standard; curved lip, non-handed (strike box optional)		
Keys	Two, nickel silver (control key or emergency key must be ordered when required)		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Stile	5" (127mm) minimum stile for 7800 Push/Pull Trim		
Door Prep	ANSI/SDI A250.14 modified per template (see template 4512 only)		

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7800 Series with BHD* Trim

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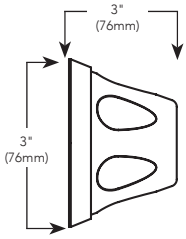
7800 SERIES WITH BHD TRIM

Features

- Available in 43 functions
- UL Fire Rated
- ANSI/BHMA Grade 1
- Sloped surfaces on all components
- Overlapping knob and rose construction
- Finish: 32D
- Available with MicroShield® option, antimicrobial coating



How To Order

SG-67	78	37	BHD	32D
Option	Series	Function	Trim	Finish
Mechanical Options this page	7800 Series Mortise Locks	See page 13	Knob	32D
Cylinder Options see 7800 Series catalog				

Specifications

Door Thickness	1-3/4" (44mm) to 1-7/8" (47mm) standard; for doors greater than 1-7/8" (47mm) to 2-1/4" (57mm), specify 31- and door thickness (for thicker doors, consult factory)		
Backset	2-3/4" (70mm) only		
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")		
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm). Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)		
Springs	High carbon steel		
Latchbolt	Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch		
Auxiliary Deadlatch	Stainless steel, non-handed		
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection		
Hand	Non-handed		
Options	Cylinders	Brass, size #41 (1-1/8") LA keyway, 1-bitted standard, specify KD for keyed different/random.	
	Strikes	23-	4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip
		OBS-	Open Back Strike
		WBS-	Wrought Box Strike
	Lever/Knob Combination	67-	Lock furnished w/ knob both sides (Not available with AV-Option)
		68-	Lock furnished w/ lever handle outside x knob inside (Not available with AV- Option)
		69-	Lock furnished w/ lever handle inside x knob outside (Not available with AV-Option)
	Thick Doors	31-	For Doors Thicker than 1-7/8" to 2-1/4"; specify 31- and door thickness
	Security Screws	36-	6 Lobe head security screws (Torx® type)
		37-	Spanner head security screws
	Electrical Options	DX-	Deadbolt monitoring - Monitor deadbolt position (not available with LX-)
		LX-	Latchbolt monitor - Monitors latchbolt position (not available with deadbolt functions)
	Lead Lining	74-	Lock case wrapped in lead (specify hand)
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat (available in 32D only)
Strike	Brass, bronze or stainless steel; ANSI/SDI A250.14 standard; curved lip, non-handed (strike box optional)		
Keys	Two, nickel silver (control key or emergency key must be ordered when required) #41 (1-1/8") cylinder supplied standard		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Stile	4-1/2" (114mm) minimum stile		
Door Prep	ANSI/SDI A250.14 modified per SARGENT standard mortise template 7057		

* Although these products are a better design for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.

Packaging

7837 x BHD	approx. 6.2 lbs. (2.8kg)/box	6 boxes/case

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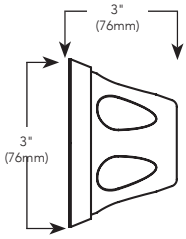
9200 Series with BHD* Trim for High Security

9200 SERIES WITH BHD TRIM FOR HIGH SECURITY

The 9200 Series with BHD Trim is designed to provide additional safety on openings that withstand extreme abuse, vandalism and malicious impact.

It is well-suited for Psychiatric and minimum security detention facilities, as well as exposed perimeter doors in commercial facilities.



Features

- Available in 28 functions
- UL Fire Rated
- ANSI/BHMA Grade 1
- Sloped surfaces on all components
- Overlapping knob and rose construction
- Finish: 32D
- Available with MicroShield® option, antimicrobial coating option

How To Order

SG-67	92	37	BHD	32D
Option	Series	Function	Trim	Finish
Mechanical Options this page	9200 Series Mortise Locks	See page 13	Knob	32D

Specifications

Door Thickness	1-3/4" (44mm) to 1-7/8" (47mm) standard; for doors greater than 1-7/8" (47mm) to 2-1/4" (57mm), specify 31- and door thickness (For thicker doors, consult factory)		
Backset	2-3/4" (70mm) only		
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")		
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm). Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)		
Springs	High carbon steel		
Latchbolt	Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch		
Auxiliary Deadlatch	Stainless steel, non-handed		
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection		
Hand	Non-handed		
Mechanical Options	Cylinders		Brass, size #41 (1-1/8") LA keyway, 1-bitted standard, specify KD for keyed different/random.
	Strikes	23-	4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip
		OBS-	Open Back Strike
		WBS-	Wrought Box Strike
	Lever/Knob Combination	67-	Lock furnished w/ knob both sides (Not available with AV-Option)
		68-	Lock furnished w/ lever handle outside x knob inside (Not available with AV- Option)
		69-	Lock furnished w/ lever handle inside x knob outside (Not available with AV-Option)
	Thick Doors	31-	For Doors Thicker than 1-7/8" to 2-1/4"; specify 31- and door thickness
	Security Screws	36-	6 Lobe head security screws (Torx® type)
		37-	Spanner head security screws
	Lead Lining	74-	Lock case wrapped in lead (specify hand)
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat (available in 32D only)
Strike	Brass, bronze or stainless steel; ANSI/SDI A250.14 standard; curved lip, non-handed (strike box optional)		
Keys	Two, nickel silver (control key or emergency key must be ordered when required) #41 (1-1/8") cylinder supplied standard		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Stile	4-1/2" (114mm) minimum stile		
Door Prep	ANSI/SDI A250.14 modified per SARGENT standard mortise template 7057		

* Although these products are a better design for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.

Packaging

9237 x BHD	approx. 6.2 lbs. (2.8kg)/box	6 boxes/case

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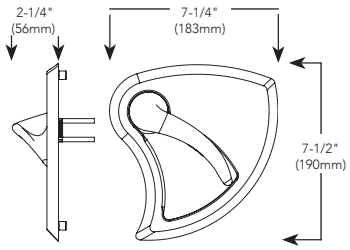
9200 Series with BHW Trim for High Security

9200 SERIES WITH BHW TRIM FOR HIGH SECURITY

The 9200 Series with BHW Trim is designed to provide additional safety on openings that withstand extreme abuse, vandalism and malicious impact.

It is well-suited for Psychiatric and minimum security detention facilities, as well as exposed perimeter doors in commercial facilities.



Features

- ANSI/BHMA Grade 1
- UL Fire Rated
- Available in 26 functions
- Mogul (M-9200) available in 17 functions
- Uses standard mortise prep
- Matching thumbturn available
- Finish: 32D
- Handed
- Tapered surfaces on all components
- Available with MicroShield®, an antimicrobial coating
- ADA Compliant
- Standard 6-lobe (Torx®) security screws on BHW trim
- Trim Only option available with existing sectional and escutcheon trim only
- BHW trim only kits. Includes inside and outside trim. Cylinder functions include 1SB- collar for use with 1-1/8" cylinders.
  - 694-1 Trim only, non-keyed functions
  - 694-2 Trim only, single cylinder functions
  - 694-3 Trim only, double cylinder

How To Order

SG-67	92	37	BHW	32D	RHR
Option	Series	Function	Trim	Finish	Hand*
Mechanical Options this page	9200 Series Mortise Locks	See page 13	Lever and Escutch-eon	32D	RHR
					LHR
Cylinder Options see 9200 Series catalog					RH
					LH

*Always specify hand of lock

Specifications

Door Thickness	1-3/4" (44mm) to 1-7/8" (47mm) standard; for doors greater than 1-7/8" (47mm) to 2-1/4" (57mm), specify 31- and door thickness (For thicker doors, consult factory)		
Backset	2-3/4" (70mm) only		
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")		
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm). Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)		
Springs	High carbon steel		
Latchbolt	Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch		
Auxiliary Deadlatch	Stainless steel, non-handed		
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection		
Hand	Handed - Must specify hand on order		
Mechanical Options	Cylinders	Brass, size #41 (1-1/8") LA keyway, 1-bitted standard, specify KD for keyed different/random.	
	Strikes	23-	4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip
		OBS-	Open Back Strike
		WBS-	Wrought Box Strike
	Thick Doors	31-	For doors thicker than 1-7/8" to 2-1/4"; specify 31- and door thickness
	Electrical Options	DX-	Deadbolt monitoring - Monitor deadbolt position (not available with LX-)
		LX-	Latchbolt monitor - Monitors latchbolt position (not available with deadbolt functions)
		RX-	Request to Exit - Monitors each lever independently
	Lead Lining	74-	Lock case wrapped in lead (specify hand)
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat (available with 32D finish only)
Strike	Brass, bronze or stainless steel; ANSI/SDI A250.14 standard; curved lip, non-handed (strike box optional)		
Keys	Two, nickel silver (control key or emergency key must be ordered when required) #41 (1-1/8") cylinder supplied standard		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Stile	8-1/2" (216mm) minimum stile		
Door Prep	ANSI/SDI A250.14 modified per SARGENT standard mortise template 4711		

* Although these products are a better design for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.

Packaging

9237 x BHW	approx. 14.1 lbs. (6.4kg)/box	1 per box/case

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Functions

AVAILABLE MECHANICAL FUNCTIONS

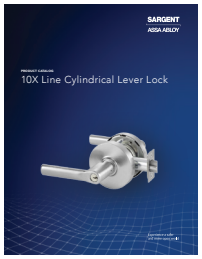
	04	05	06	13	15	16	17	24	25	26	27	28	29	30	31	35	36	37	38	39	40	41	42	43	45	46	47	48	49	50	51	52	54	55	56	57	58	59	65	66	67	68
10X BHW	x	x			x		x	x		x								x															x						x				
7800 BHD	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x		x	x	x	x		x	x	x	x	x
7800 PT	x				x	x	x	x		x								x						x	x					x								x				
8200 ALP	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x
8200 BHL	x	x			x	x	x	x	x	x	x	x	x	x			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x
8200 BHW	x	x			x	x	x	x	x	x	x	x	x	x				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x
9200 BHD	x	x	x		x*	x	x	x	x	x						x		x	x	x	x	x*	x	x	x				x*	x				x				x*	x*	x		
9200 BHW	x	x			x	x	x	x	x	x								x	x	x	x	x	x	x	x				x	x				x				x	x	x		
M-9200 BHW	x				x		x			x								x	x	x	x	x	x						x					x				x				
HP ALP					x																																		x				

AVAILABLE ELECTRIFIED FUNCTIONS

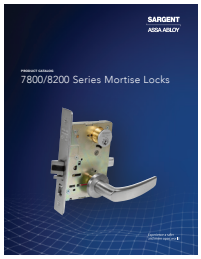
	70	71	72	73	270	271	274	275	280	281	284	285
10X BHW	x	x										
8200 ALP	x	x	x	x								
8200 BHL	x	x	x	x								
8200 BHW	x	x	x	x	x	x	x	x	x	x	x	x
9200 BHD	x*	x*	x*	x*								
9200 BHW	x	x	x	x								
M-9200 BHW	x	x	x	x								

* Not available with Mogul Cylinder (M-option)
Refer to product catalog for function descriptions.

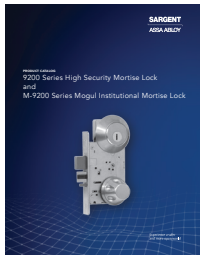
10X Line Cylindrical Locks



7800/8200 Series Mortise Locks



9200 Series Mortise Locks



AVAILABLE ELECTRICAL OPTIONS FOR HEALTHCARE HARDWARE

	RX	LX	DX	56-
10X BHW	x			
7800 PT	x	x	x	
8200 ALP	x^	x^		x
8200 BHL	x^	x	x	x
8200 BHW	x	x	x	x
9200 BHD		x	x	
9200 BHW	x	x	x	

^Only available when used in conjuction with 56- option

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Turns, Emergency Releases and Indicators

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130KBHA Turn for use with 8200 Mortise BHW, ALP, BHL and BHD Trim

- 3-3/4" x 2-1/2" rectangular shape
- Stainless steel housing
- Meets ADA and OMH Requirements

184KBHA Emergency Release (used with BHW, ALP, BHL and BHD trim)

- 2-1/8" x 1-5/8" rectangular shape
- Stainless steel housing
- Meets ADA and OMH Requirements

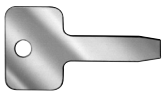
130W Turn for use with PT Trim

- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- Meets ADA Requirements

184W Emergency Release for use with PT Trim

- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only

Emergency Key 14-0057



- Carbon steel
- For 65, 66 and 68 functions only
- Must be ordered separately

LOCK STATUS AND SECURED INDICATORS FOR USE WITH 8200 MORTISE ALP TRIM

49- Option Visual Status Indicator for Non Secure Applications

- Designed to work with Classroom Security functions
- Red/White indicator plate standard, field replaceable OCC/VAC plate included
- Mounts on inside of door
- Functions available: 30 and 37
- As retrofit, order 185CALP x finish

Inside Only

185CALP

49- Option Occupancy Indicator with Emergency Release

- Ideal for restrooms or conference rooms where easy determination of use needs to be made
- OCC/VAC indicator plate standard, field replaceable Red/White plate included
- Mounts on outside of door
- Emergency coin operated release standard
- Functions available: 65, 66 and 68
- As retrofit, order 185PALP x finish

185PALP

50- Option Secured Indicator Rose

- Non-handed mounting
- VAC/OCC indicator plate standard, field replaceable Red/White plate included
- Mounts on outside of door
- Available for the following functions:
  24, 25, 26, 28, 29, 30, 36, 37, 38, 39, 40, 41, 43, 45, 50, 51, 52, 67
- Patent pending design
- For retrofit kits:
  Specify: 186PALP x finish

186PALP

NOTE: For 49- and 50- Options, key will not retract latchbolt when used with 37 and 38 functions lock, the key will lock and unlock outside trim

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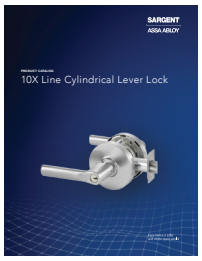
Cylinders, Latches, Strikes and Options

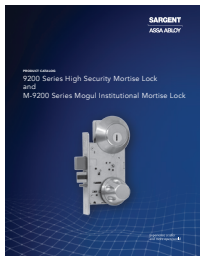
For a complete list of available cylinders, latches, strikes and cylinder options, please refer to the following catalogs:

10X Line Cylindrical Locks



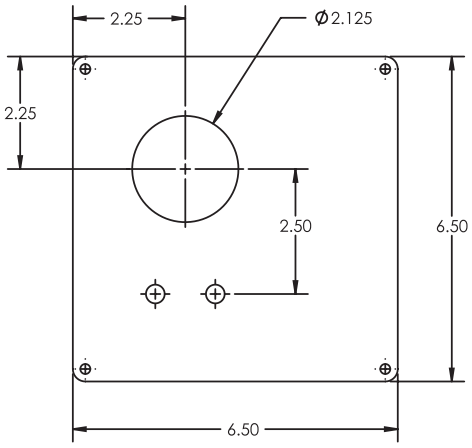
7800/8200 Series Mortise Locks

9200 Series Mortise Locks

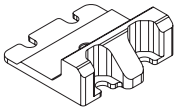


549 KIT FOR RETROFITTING ALP PUSH/PULL TRIM

Contains 2 retrofit plates and 8 screws. Use to cover prep from 114/115 and PT push/pull trim, as well as other manufacturer's trim, when retrofitting ALP trim. Available in 32D finish standard. Order kit #549.



684 POSITIVE PULL STOP KIT



- This kit prevents the latch from retracting when pulling the door closed.
- Used on openings where weather stripping is installed or when door closers are not utilized.
- Order kit # 684

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How To Order

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How to Order 10X Line BHW Cylindrical Locks

FW-	10X	G04	BHW	32D	RHR
Option	Series	Function	Trim	Finish	Hand
Multiple options can be selected	10X Line Cylindrical Lock	Page 13	BHW for 10X Line	32D	RHR
					RH
					LHR
					LH

How to Order 8200BHL/8200 BHW/8200ALP/7800 BHD/9200 BHD/9200 BHW Series Mortise Locks

10-	82	71	12VDC	BHL	32D	RHR
Options	Series	Function	Voltage	Trim	Finish	Hand
Multiple options can be selected	9200, 8200 or 7800 Mortise Lock	Page 13	12VDC 24VDC	BHL for 8200 BHW for 8200 or 9200 BHD for 7800 or 9200 ALP for 8200	32D	RHR
						RH
			Must be specified for Functions 70, 71, 72 & 73			LHR
						LH

How To Order 7800PT Series Mortise Locks

10-	82	71	12VDC	PT	32D	RHR
Options	Series	Function	Voltage	Trim	Finish	Hand
Multiple options be selected	7800 Mortise Lock	Page 13	12VDC 24VDC	PT for 7800	03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32, 32D	RHR
						RH
			Must be specified for Functions 70, 71, 72 & 73			LHR
						LH

How To Order 114/115 Series Push/Pull Units

P-	115	26D	RH
Options	Series	Finish	Hand
See page 5	114	03, 04, 09, 10, 10B, 10BE, 15, 26 & 26D	RHR
			LHR
	115		RH
			LH

How To Order HP Tubular Locks with ALP Trim

SG-	HP	U65	ALP	32D	RHR
Option	Series	Function	Trim	Finish	Hand
See page 4	HP Series Tubular Locks	15 - Passage 65 - Privacy	Push/Pull	32D	RHR
					LHR
					RH
					LH

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Finishes

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Finishes

10X Line with BHW Trim	8200 or HP locks with ALP Trim	8200 BHW, 8200 BHL, 7800 BHD, 9200 BHD, 9200 BHW	7800 Push/ Pull Trim (PT)	114/115 Push-Pull	Description	BHMA
			03	03	Polished brass, clear coated	605
			04	04	Satin brass, clear coated	606
			09	09	Polished bronze, clear coated	611
			10	10	Satin bronze, clear coated	612
			10B	10B	Oxidized bronze, oil rubbed	613
			10BE	10BE	Dark Oxidized Satin Bronze Equivalent	613E
			10BL		Oxidized satin, bronze, clear coated	613L
				15	Satin nickel, clear coated	619
			20D		Statuary dark bronze, clear coated	624
				26	Polished chrome	625
				26D	Satin chrome	626
			32		Polished stainless steel	629
32D	32D	32D	32D		Satin stainless steel	630

SG- MicroShield® antimicrobial clear powder coat (only available with 26D and 32D finishes)
Split Finishes - specify outside finish first, then inside finish example: US26D (outside) / US04 (inside)

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Certifications

CERTIFICATION/COMPLIANCE FPR 10X LINE CYLINDRICAL LOCKS

ANSI/BHMA	Certified ANSI/BHMA A156.2 (2022) Series 4000 — Grade 1 Certified ANSI/BHMA A156.41
UL/cUL	UL/cUL listed to US and Canadian safety standards for 3 hour doors up to 4' x 10' (double doors require 41- option)
UL294	Listed as an Access Control Accessory (10XG70 & 10XG71)
NFPA 80	Conforms for life safety and property protection, Standard for Fire Doors and Other Opening Protectives
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
ADA	The force required to activate all levers shall be 5 pounds (22.2N) maximum. All levers conform to ADA clear opening width requirements of ANSI A117.1.
California	California State Reference Code (Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face
Windstorm/Hurricane	All individual components of a total door opening are required to comply with each code.

Warranty for 10X Line Cylindrical Locks

Warranty	10 year limited warranty, 2 year limited warranty on electrified locks.

CERTIFICATION COMPLIANCE FOR 8200 & 7800 MORTISE LOCKS

ANSI/BHMA	Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1 with all standard trims. ANSI/ASTM F476-84 Grade 40 with concealed mortise cylinder. **NOTE:** LFIC (Removable) Cylinders and SFIC Cylinders do not meet Security Grade 1 requirements.
ADA	Meets A117.1 Accessibility Code. Meets BOMA International 4.13.8 Complies with American Disability Act; Consult local authorities
UL	UL and cUL Listed for use with 3 hour fire "A" label 4 x 10 single and 8 x 10 double and lesser class doors. UL symbol on front stamped letter F indicates listing.
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
California	California State Reference Code (Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face

Warranty for 8200 & 7800 Mortise Locks

Warranty	10 year limited warranty, 5 year limited warranty on motorized electric latch retraction (56-), 2 year limited warranty on electrified locks. Warranty limited to replacement of lockbody and/or components.

CERTIFICATION COMPLIANCE FOR HP TUBULAR LOCKS

ANSI/BHMA	Certified to ANSI/BHMA A156.2 Series 4000 Grade 1 with all standard trims.
ADA	Meets A117.1 Accessibility Code.
UL	UL and cUL Listed for use on 3 hour fire doors (4 x 8 single and smaller doors). UL symbol on front stamped letter F indicates listing.

Warranty for HP Tubular Locks

Warranty	1 year limited warranty. Warranty limited to replacement of Lockbody and/or components.

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

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2.1 HEAVY DUTY MORTISE LOCKS

A. Heavy duty mortise locks shall be 8200/7800 Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.
B. Locks shall meet or exceed the requirements of ANSI/BHMA A156.13 Series 1000, Operational Grade 1, and Security Grade 1 with all standard trims.
C. Locks shall be easily re-handed without opening the lock body.
D. Locks shall comply with UL 10C positive pressure requirements.
E. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of A label (3 hours) and less, for doors up to 4'0" (1.2m) x 10' 0" (3.05m) and pairs of doors 8'0" (2.4m) x 10' 0" (3.05m)
F. Construction:
   1. Lock functions shall be manufactured in a single-sized case formed from 12 gauge steel minimum.
   2. Lock cases shall be closed on all sides and back.
   3. Locks shall have field adjustable, beveled, armored front, with a 1/8" (3mm) thickness minimum.
   4. Locks shall have a one piece, 3/4" (19mm) throw anti-friction stainless steel latch.
   5. Deadbolts, where specified, shall be full one inch (25mm) throw made of one-piece hardened stainless steel.
G. Locks shall have a 2-3/4" (70mm) backset, standard.
H Strikes shall be non-handed with a curved lip.
I To ensure proper alignment, push/pull trim shall be through-bolted.
J. Locks shall have brass 6-Pin cylinder, standard.
K. Locks shall have a 10 year limited warranty. 2 year limited warranty on electrified locks.
L. Behavioral Health, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to accepted OMH requirements with ligature-resistant lever and escutcheon trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and escutcheons are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.
M. Behavioral Health, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to Office of Mental Health (OMH) requirements with behavioral health lever and rose trim. Locksets to be manufactured with a corrosion resistant, formed steel case.
   Levers and roses are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.

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2.2 10X LINE WITH BHW TRIM

A. Locks shall be 10X Line as manufactured by Sargent Manufacturing Company, New Haven, CT.
B. Locks shall be listed for low, medium and high risk areas in the New York State Office of Mental Health (NYS-OMH) Patient Safety Standard.
C. Locks shall be ANSI/BHMA Certified Products Directory (CPD) listed.
    1. A156.2, Series 4000, Grade 1
    2. A156.41
D. Locks shall exceed the requirements of ANSI/BHMA A156.2 Series 4000, Grade 1 with all standard trims.
E. Locks shall comply with UL 10C positive pressure requirements.
F. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of 3 hours (A label) and less, for doors up to 4'0" (1.2m) x 10'0" (3.0m) and pairs of doors 8'0" (2.4m) x 10'0" (3.0m)
G. Locks shall have a chassis design that supports all cylinder formats (except Keso) allowing flexibility for changing from fixed core to interchangeable core cylinders.
H. Lock lever and escutcheon shall be made of solid stainless steel material.
I. Locks shall have a 2-3/4" (70mm) standard backset.
J. Strikes shall be non-handed with a curved lip. Provide wrought boxes with strikes.
K. Locks shall be available with lead-lining and antimicrobial coating.
L. Exposed fasteners shall be provided as Torx® security pin standard.
M. Locks shall have brass 6-pin cylinder standard.
    1. Provide two nickel silver keys with each lock.
N. Electrified functions shall be provided with EcoFlex® Technology.
O. Locks shall have a ten-year limited warranty on mechanical components and a two-year limited warranty on electric components.

2.3 HP LOCKS WITH ALP TRIM

A. Bored hospital latches shall be HP Series as manufactured by Sargent Manufacturing Company, New Haven, CT.
B. Locks shall meet or exceed the requirements of ANSI/BHMA A156.2 Series 4000 Operational Grade 1.
C. Locks shall be easily re-handed with a non-handed curved lip strike.
D. Locks shall comply with UL 10C positive pressure requirements.
E. Lockset paddles shall be capable of horizontal or vertical mounting positions.
F. Locks shall have 2-3/4", 5" or 7" backset available.

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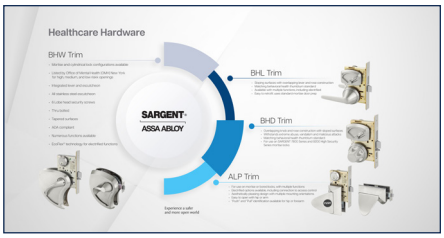
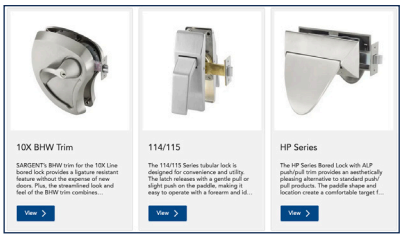
Additional Resources

Infographic (ALP)

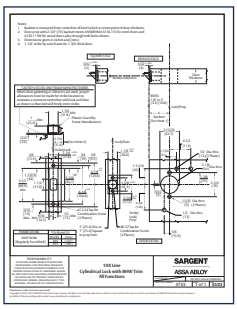


Healthcare Hardware Infographic



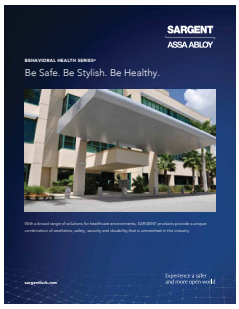
Specialty Healthcare Locks

Parts Manuals



Templates

SELL SHEETS



SARGENT Behavioral Healthcare

SARGENT Push/Pull Trim

SARGENT Push/Pull Trim for K-12 Environments

SARGENT BHL Trim

SARGENT Specialty Hardware BHW Trim

SARGENT 10X Line Bored Lock with BHW Trim

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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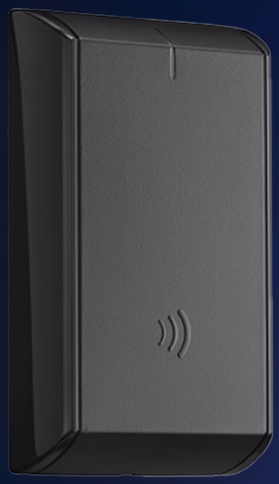


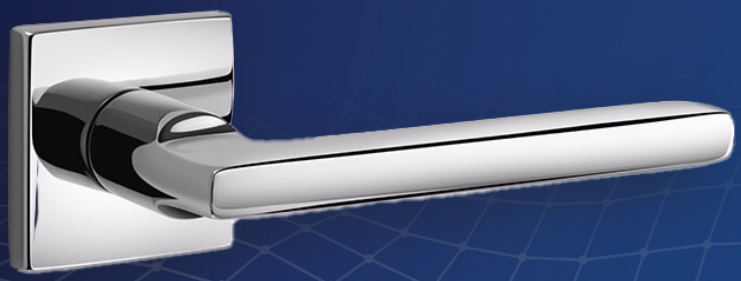
PRODUCT CATALOG

IN100 Aperio® Wireless Access Control

Available through Authorized Channel Partners only.

Contact your local ASSA ABLOY Door Security Solutions sales consultant for details.

aperio™



Experience a safer and more open world

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OVERVIEW

The SARGENT IN100 lockset brings you the next generation of wireless access control in a sleek, minimalist design. Leverage your EAC or IT infrastructure to deliver advanced access control to more locations, with the flexibility and security of HID® OMNIKEY® SE technology.

ABOUT ASSA ABLOY'S AUTHORIZED CHANNEL PARTNER AND CERTIFIED INTEGRATOR PROGRAMS

The SARGENT IN100 is part of a stream of new ASSA ABLOY products that integrate with a facility's access control system. These exciting new technology-rich products require an increase in knowledge to ensure the correct selection and implementation in various environments.

To aid our customers in this area, ASSA ABLOY has created two programs that provide the necessary training to sell, order, install and service our technology products, including Aperio® wireless, Integrated Wiegand, IP-enabled and self-configurable intelligent components:

Authorized Channel Partner
ASSA ABLOY

The Authorized Channel Partner (ACP) program is open to resellers, who sell ASSA ABLOY's technology products to certified integrators and help with product selection based on the application.

Certified Integrator
ASSA ABLOY

The Certified Integrator (CI) program provides hands-on training for security systems integrators and network administrators.

Not only does this training familiarize certified integrator candidates with product features and applications, it also gives them valuable experience installing, commissioning and troubleshooting the products in a real-world environment.

For more information on the qualifications for becoming an ACP or CI, contact your local ASSA ABLOY Door Security Solutions sales consultant. For architectural specifications, consult your Door Security Solutions Representative.

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On The Cover

IN100-7978-IP-MW-E4-H005-LHR

⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

Features	Benefits
Utilizes IEEE 802.15.4 wireless communication	• Eliminates the greatest cost and inconvenience of wired access control - the wiring around the door • Leverages EAC or IP infrastructure • Ideal for hard-to-wire locations

OMNIKEY® SE Technology from HID Global®	• Provides heightened security
	• Supports:
	  • A wide range of credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
	  • HID Mobile Access® powered by Seos®, for iOS® and Android™ devices

Real-time communication	• Alarms and events are communicated in real time to the EAC system • Access decisions are determined in real time by the EAC system • Schedules and door states can be initiated/changed in real time*
Centralized decision making	• System capacities bounded by the EAC system, not the locking device • Access decisions based on current EAC system information
Privacy button*	• Allows shelter in place/local lockdown • Enables privacy capabilities for applications such as restrooms
Smart Credential Cache	• Allows previously authorized credentials to be granted access when the EAC infrastructure is offline for any reason • Can be enabled/disabled • Programmable cache size/validity time
Integrated ANSI/BHMA Grade 1 hardware, available in cylindrical lock, mortise lock, multi-point, and exit device configurations	• Flexibility to support various openings • Assurance of high quality SARGENT hardware
Superior aesthetics	• Blends into any environment seamlessly • Designed to meet the requirements of designers and architects • Available with a wide range of finishes and decorative levers • Suites with other IN Series locks, regardless of technology • Suitable for glass**, metal, and wood door types

*Access Control Partner software dependent. Contact your local ASSA ABLOY Integrated Solutions Specialist for more information.
**For all glass doors, Center Lock Housing (CLH-IN) must be used. Purchased through ASSA ABLOY Glass Solutions program.

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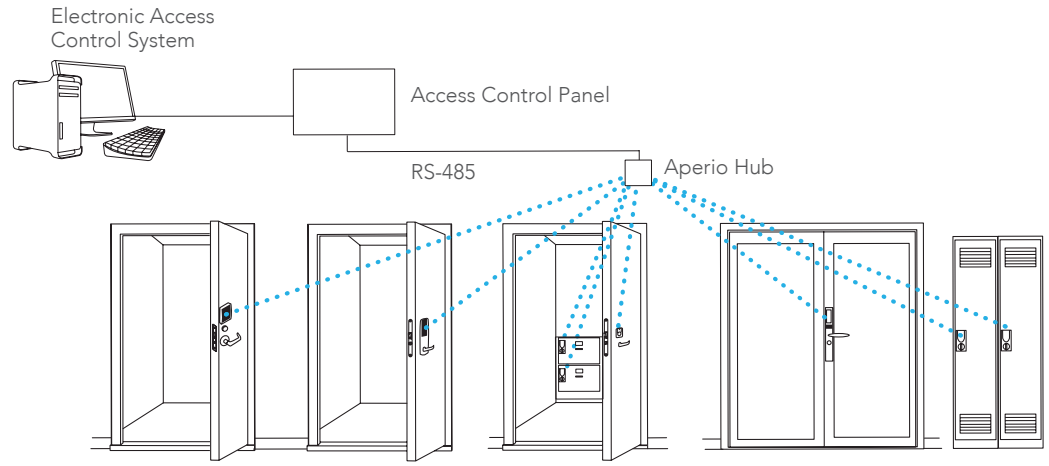
Aperio® Wireless Access Control

AN INNOVATIVE NEW APPROACH TO ONLINE ACCESS CONTROL

Aperio® technology is a global wireless platform that reduces the cost and inconvenience of traditional access control, with the flexibility to address any application.

Aperio utilizes local wireless communication between the lock and a communications hub to connect to an electronic access control system. You can easily expand the reach of existing access control systems and secure openings that would otherwise go unprotected. With the global range of Aperio-enabled locks from ASSA ABLOY, online access control can be easy and cost-effective at any opening, with standardization across locations worldwide.



IP hub also available for direct connection to IT infrastructure

Bring in natural light while ensuring secure access control
Unlock the potential of your commercial space by seamlessly integrating all-glass doors with the IN100. Enjoy heightened security, simplified access control, and an infusion of invigorating natural light, creating an environment that is both secure and radiant.

GLASS DOOR CENTER LOCK HOUSING FEATURES

- Single and double door applications
- Glass cut-out required
- No cement or silicone required for installation
- Prepped for bored and mortise lock functions
- Matching 6 3/16" x 15 3/16" Center Lock Keeper can be paired with housing for double doors
- Glass Thickness: 1/2", 9/16"
- Base Materials
  - Cover Plates: Stainless Steel
  - Housing: Aluminum
- Finishes: 32D, 32, 10BE, BSP, WSP, Stock Powder Coats

Center Lock Housing and Keeper sold separately through ASSA ABLOY Glass Solutions.

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CREDENTIAL SUPPORT:

HID® OMNIKEY® SE technology offers support for the following credentials:

- High Frequency (13.56 MHz):
  - HID iCLASS®
  - HID iCLASS SE® (SIO-enabled)
  - HID iCLASS® Seos™
  - HID MIFARE® SE
  - HID DESFire® EV1 SE
  - MIFARE Classic
  - DESFire EV1
  - DESFire EV2/EV3 (EV1 Compatibility)
  - PIV/PIV-I (40-bit BCD, 64-bit BCD, 75 bit, 128-bit or 200-bit outputs)
- Low Frequency (125 kHz):
  - HID Prox®, AWID, EM4102
- NFC & BLE-enabled Mobile Phones:
  - HID Mobile Access® (BLE and NFC)
  - Apple Wallet Seos or DESFire® (NFC)
  - Google Wallet DESFire® (NFC)
- Optional keypad
  - PIN only usage or dual authentication needs

SECURITY:

- AES 128-bit encryption
- For specific security information, please contact your local ASSA ABLOY Door Security Solutions sales representative or call 800-810-Wire.

SOFTWARE:

- Works with ASSA ABLOY Access Control Partner software, allowing simple integration into existing or new systems
- Software Development Kits (SDK) and support available to integrate into other third party access control systems.
  Email:
  OEMSupport_Group@assaabloy.com for assistance.

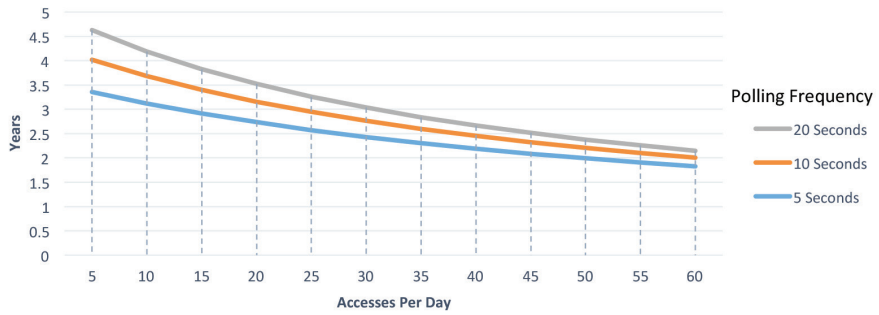
ENVIRONMENTAL SPECIFICATIONS:

- Operating temperature: -13°F (-25°C) to 151°F (66°C)
- Humidity: < 85% non-condensing
- Storage temperature: -22°F (-30°C) to 176°F (80°C)

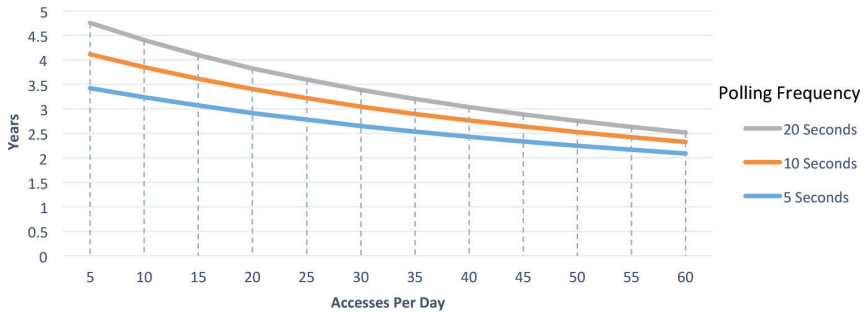
Optional Keypad
PIN only usage or dual authentication needs

BATTERY LIFE

CYLINDRICAL LOCKS & EXIT DEVICES



MORTISE LOCKS



* Battery life data was calculated using Duracell batteries.

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7900 Series Mortise Locks

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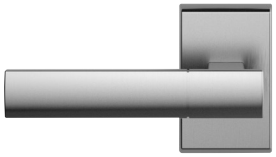
MECHANICAL FEATURES

- Certified to ANSI/BHMA A156.13 Series 1000 Grade 1
- UL/ULC Listed for fire doors*
- Motor driven 7900 Series Mortise Lock
- 3/4" projection stainless steel latchbolt, one-piece construction
- For 1-3/4" (44mm) thick door standard. Consult factory for additional thicknesses
- Stainless steel non-handed deadlocking latch
- Handing easily field reversible without disassembling lock body
- Lever trim through-bolted for increased security and durability

Shipping Weight: Approx. 11 lbs.

IN100 MORTISE LOCK FUNCTIONS

- Key outside always retracts latch
- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch
- Guardbolt deadlocks latch
- Key override available with #41 cylinder supplied
- Low battery, request-to-exit (REX), and tamper signaling standard
- EcoFlex® technology offers improved battery life



52-5374 DOOR POSITION SWITCH (DPS)

Supplied with IN100 mortise locks

- SPDT concealed switch (3-wire)
- 3/8" Diameter for wood door
- 3/4" diameter for glass and metal door
  - Metal door adapter included

Note: The DPS is installed right above the lock faceplate and connects directly into the lock's electronics

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

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7900 Series Mortise Locks

Select from the following options to order IN100 mortise locks:

FUNCTIONS

7978	Key override (no deadbolt)
7979	No Key override (no deadbolt)

READER

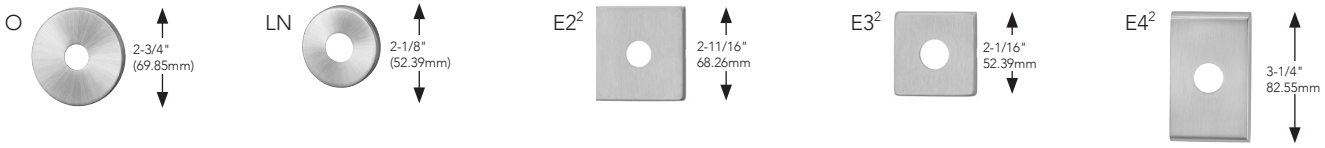
B	Black reader, black trim
MB[1]	Black reader, metal trim

CREDENTIALS

BIPS	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, MIFARE Classic, DESFire EV1, DESFire EV2/EV3 (EV1 Compatibility), PIV/PIV-I, HID Prox®, AWID, EM4102, HID Mobile Access® (BLE and NFC), Apple Wallet Seos or DESFire® (NFC), Google Wallet DESFire® (NFC)
BIKPS	All credentials supported by the BIPS option plus keypad

1. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

ROSES

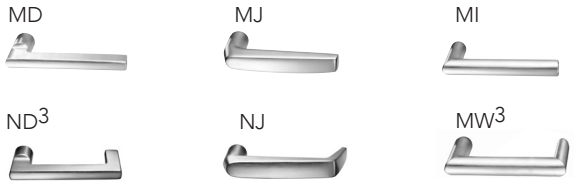


2. 1KA square cylinder collar and 130KA square backplate automatically supplied with E2,E3 and E4 roses.

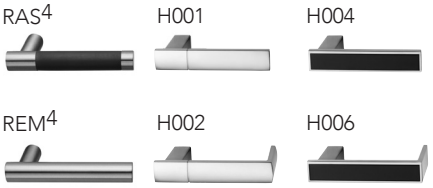
Suites with reader

LEVER

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 26-31.



PREMIUM LEVERS



3. Lever returns within ½" (13 mm) of door face.
4. Gramercy levers are customized. See page 31 for ordering information.

FINISH

Description		Specify
US3 (ANSI/BHMS 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)[5]	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)[5]	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Plug[6]
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

HANDING

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

5. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.
6. Finish when cylinder provided with lock

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7900 Series Mortise Locks

SARGENT
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BUILD YOUR ORDER STRING

Series		Function				Credentials				Reader		Rose		Lever			Finish				Handing		
IN	100	7	9	7		B	I	P	S														

For additional cylinder and/or mechanical options, please refer to pages 33-36. Add the desired options to the beginning of your order string.

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8200 Series Mortise Locks

SARGENT
ASSA ABLOY

MECHANICAL FEATURES

- Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm and Florida Building Code information is listed on page 20
- Motor driven 8200 Series Mortise Lock
- 3/4" stainless steel, anti-friction reversible latch
- For 1-3/4" (44mm) thick door standard. Consult factory for additional thicknesses
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability

Shipping Weight: Approx. 11 lbs.

IN SERIES MORTISE LOCK FUNCTIONS

- Key outside always retracts latch
- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch and deadbolt (if present)
- Guardbolt deadlocks latch
- Key override available with #41 cylinder supplied
- Low battery, request-to-exit (REX), latch, guardbolt and tamper signaling standard

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

Select from the following options to order IN Series mortise locks:

FUNCTION

82276	Key override and deadbolt
82278	Key override and no deadbolt
82277	Deadbolt and no key override
82279	No deadbolt and no key override

Note: 82276 and 82277 not available with Glass Solutions Centerlock housing.

READER

B	Black reader, black trim
MB[1]	Black reader, metal trim

1. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

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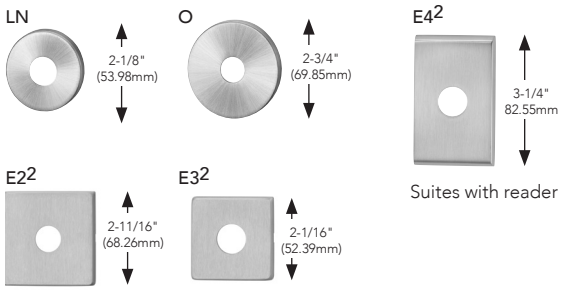
8200 Series Mortise Locks

CREDENTIALS

BIPS	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, MIFARE Classic, DESFire EV1, DESFire EV2/EV3 (EV1 Compatibility), PIV/PIV-I, HID Prox®, AWID, EM4102, HID Mobile Access® (BLE and NFC), Apple Wallet Seos or DESFire® (NFC), Google Wallet DESFire® (NFC)
BIKPS	All credentials supported by the BIPS option plus keypad

ROSE

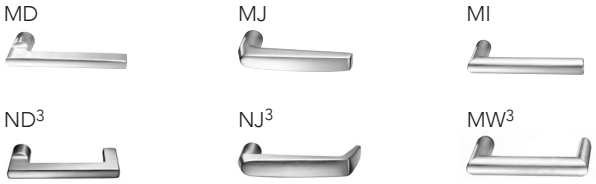


Suites with reader

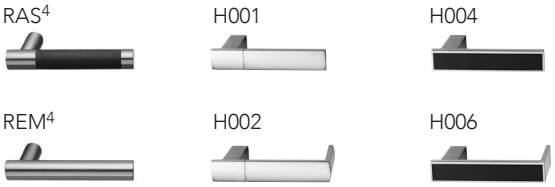
2. KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3, and E4 roses.

LEVER

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to page 26-31.



PREMIUM LEVERS



3. Lever returns within 1/2" (13 mm) of door face.
4. Gramercy levers are customized. See page 31 for ordering information.

FINISH

Description		Specify
US3 (ANSI/BHMS 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)[5]	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)[5]	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Plug[6]
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

HANDING

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

5. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.
6. Finish when cylinder provided with lock

BUILD YOUR ORDER STRING

Technology	Function	Credentials	Reader	Rose	Lever	Finish	Handing
IN 100	8 2 2 7	B I P S					

For additional cylinder and/or mechanical options, please refer to pages 33-36. Add the desired options to the beginning of your order string.

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10X Line Bored Locks

MECHANICAL FEATURES

- Certified ANSI/BHMA A156.2 Series 4000 Grade 1
- UL/ULC Listed for fire doors*
- Motor driven cylindrical lock
- Latch Stainless Steel, 1/2" (13mm) throw
- 2-3/4" (70mm) backset standard
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Handing easily field reversible without disassembling lock body
- Heavy duty lever spring return
- Steel mounting studs
- Not available with 83-, 84- options

Shipping Weight: Approx. 9 lbs.

IN100 BORED LOCK FUNCTIONS

- Key outside always retracts latch
- Lever outside rigid except when valid credential presented, freewheeling optional
- Lever inside always retracts latch
- Guardbolt deadlocks latch
- Key override standard with #C10X-1 cylinder supplied
- Low Battery, Request-to-Exit (REX), and Tamper signaling standard
- Door Position Switch (DPS, P/N 52-5374) supplied

52-5374 DOOR POSITION SWITCH (DPS)

Supplied with IN100 bored locks

- SPDT concealed switch (3-wire)
- 3/8" Diameter for wood door
- 3/4" diameter for glass and metal door
  - Metal door adapter included

Note: The DPS is installed right above the lock faceplate and connects directly into the lock's electronics

IN100 10X Line bored locks are UL Certified and Listed as part of an approved assembly[1] to the following certifications and standards:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201-1994[2]
- Testing Application Standard (TAS) 202-1994[2]
- Testing Application Standard (TAS) 203-1994[2]
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

1. To meet assembly requirements, use in conjunction with doors from ASSA ABLOY Group brands CECO and CURRIES.
2. Published in the "Florida Building Code"

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

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10X Line Bored Locks

SARGENT
ASSA ABLOY

Select from the following options to order IN100 bored locks:

FUNCTION

10XG77	Key override

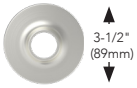
READER

B	Black reader, black trim
MB[1]	Black reader, metal trim

1. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

ROSE

G



L

CREDENTIALS

BIPS	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE®SE, HID DESFire® EV1 SE, MIFARE Classic, DESFire EV1, DESFire EV2/EV3 (EV1 Compatibility), PIV/PIV-I, HID Prox®, AWID, EM4102, HID Mobile Access® (BLE and NFC), Apple Wallet Seos or DESFire® (NFC), Google Wallet DESFire® (NFC)
BIKPS	All credentials supported by the BIPS option plus keypad

LEVER

B

L[2]

P[2]

MD

ND[2]

MB

MW[2]

2. Lever returns within ½" (13 mm) of door face

FINISH

Description		Specify
US3 (ANSI/BHMA 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Cylinder/Core[3]
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, WSP	15
BSP	BSP

3. Finish when cylinder provided with lock

HANDING

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

BUILD YOUR ORDER STRING

Series		Function						Credentials				Reader		Rose		Lever		Finish				Handing		
IN	100	1	0	X	G	7	7	B	I	P	S													

For additional cylinder and/or mechanical options, please refer to pages 33-36. Add the desired options to the beginning of your order string.

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80 Series Exit Device

MECHANICAL FEATURES

- Certified ANSI/BHMA A156.3 Grade 1
- Latch 3/4" (19mm) throw (8800: stainless steel, 8900: anti-friction brass)
- Cylinder requirements: 8800 Series uses a #34 Rim Cylinder; 8900 Series uses a #46 Mortise Cylinder (1-3/4")
- For 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- Available with Studio Collection, Coastal Series, and all standard levers
- UL/ULC Listed for fire doors*

Shipping Weight: Approx. 11 lbs.

IN100 EXIT DEVICE FUNCTIONS

- Lever outside rigid except when in passage mode or valid user code entered
- Always allows free egress
- Request-to-Exit (REX): monitors rail position
- Door Position Switch (DPS, part #52-5374) supplied; tamper signaling standard
- EcoFlex® technology reduces energy consumption up to 89% as certified by GreenCircle

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

Mortise Exit

Rim Exit

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80 Series Exit Device

SARGENT
ASSA ABLOY

Select from the following options to order IN100 exit devices:

FUNCTION

8977	Mortise lock exit device, key override
8978	Mortise lock exit device, no key override
8877	Rim exit device, key override
8878	Rim exit device, no key override

READER

B	Black reader, black trim
MB[1]	Black reader, metal trim

RAIL SIZE

E	24 - 32"
F	33 - 36"
J	37 - 42"
G	43 - 48"

ET TRIM

ET	700 Series ET Trim

CREDENTIALS

BIPS	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, MIFARE Classic, DESFire EV1, DESFire EV2/EV3 (EV1 Compatibility), PIV/PIV-I, HID Prox®, AWID, EM4102, HID Mobile Access® (BLE and NFC), Apple Wallet Seos or DESFire® (NFC), Google Wallet DESFire® (NFC)
BIKPS	All credentials supported by the BIPS option plus keypad

1. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

LEVER

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 26-31.

MD

MJ

MI

ND[2]

NJ[2]

MW[2]

PREMIUM LEVERS

RAS[3]

H001

H004

REM[3]

H002

H006

2. Lever returns within 1/2" (13 mm) of door face.
3. Gramercy levers are customized. See page 31 for ordering information.

FINISH

Description		Specify
US3 (ANSI/BHMA 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)[5]	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)[4]	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)[5]	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)[4]	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)[6]	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)[6]	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Plug[7]
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

HANDING

LHR	Left hand reverse
RHR	Right hand reverse

DOOR WIDTH

Specify in inches

4. 15 or 26D finishes are available on outside trim only, the exit devices will be supplied in 32D.
5. 14 or 26 Finishes are available on outside trim only, the exit devices will be supplied in 32 finish.
6. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.
7. Finish when cylinder provided with lock

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80 Series Exit Device

SARGENT
ASSA ABLOY

BUILD YOUR ORDER STRING

Technology	Function	Credentials	Reader	Rail Size	ET Trim	Lever	Finish	Handing	Door Width (in inches)
IN 100	8	B I P S			E T				

For additional cylinder and/or mechanical options, please refer to pages 33-36. Add the desired options to the beginning of your order string.

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PE80 Series Exit Device

MECHANICAL FEATURES

- Certified ANSI/BHMA A156.3 Grade 1
- Latch 3/4" (19mm) throw (PE8800: stainless steel, PE8900: anti-friction brass)
- Cylinder requirements: PE8800 Series uses a #34 Rim Cylinder; PE8900 Series uses a #46 Mortise Cylinder (1-3/4")
- The AFF is 39-5/8" for Standard Applications; when a P100 or P300 Series Auxiliary Control is used, 37 5/16" AFF is recommended to meet local accessibility standards
- For 1-3/4" (44mm) door standard. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31
- Available with Studio Collection and all standard levers
- UL/ULC Listed for fire doors*
- Available with ADA Standard for Accessible Design and California Building Code.

IN100 EXIT DEVICE FUNCTIONS

- Lever outside rigid except when in passage mode or valid user code entered
- Always allows free egress
- Request-to-Exit (REX): monitors rail position
- Door Position Switch (DPS, part #52-5374) supplied; tamper signaling standard**
- EcoFlex™ technology reduces energy consumption, which lowers operation cost and reduces the number of power supplies required.

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

** For Double-door applications the DPS is installed in-between the active and inactive leaves. The DPS monitors both doors, but the REX only monitors the active leaf. To prevent door-force or door-held alarms, the alarms must be disabled.

Mortise Exit

Rim Exit

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PE80 Series Exit Device

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ASSA ABLOY

Select from the following options to order IN100 exit devices:

FUNCTION

[1,2]AD PE8678	Concealed vertical rod, no key override
[1,2]MD PE8678	Concealed vertical rod, no key override
[1,2]WD PE8678	Concealed vertical rod, no key override
[1,3]PE8778	Surface vertical rod, no key override
PE8877	Rim exit device, key override
PE8878	Rim exit device, no key override
PE8977	Mortise lock exit device, key override
PE8978	Mortise lock exit device, no key override

***Note:** When ordering Concealed Vertical Rod or Surface Vertical Rod functions, door height and AFF must be specified.

CREDENTIALS

BIPS	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, MIFARE Classic, DESFire EV1, DESFire EV2/EV3 (EV1 Compatibility), PIV/PIV-I, HID Prox®, AWID, EM4102, HID Mobile Access® (BLE and NFC), Apple Wallet Seos or DESFire® (NFC), Google Wallet DESFire® (NFC)
BIKPS	All credentials supported by the BIPS option plus keypad

READER

B	Black reader, black trim
MB[4]	Black reader, metal trim

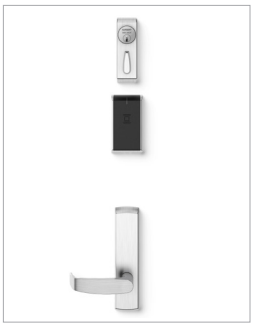
RAIL SIZE

E	26 to 32"
F	32.5" to 36"
J	36.5" to 42"
G	42.5" to 48"

1. Less Bottom Rod (NB) option is available when ordering. Use the prefix NB in the order string for this option.
2. Key Override is available for MD/WD/AD PE8600 CVR Devices (including NB-) with a P106 Series (CVR) Auxiliary Control.
3. Key Override is available for PE8700 SVR Devices (including NB-) with a P306 Series (SVR) Auxiliary Control.
4. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.
5. Exits using Key Override and Concealed or Surface Vertical Rods require an Auxiliary Control (pictured here). When ordering these exits, please include P306 for Surface Vertical Rod and P106 for Concealed Vertical Rod in your order string.
   Example: EA- SG- IN100 x ADPE8678 x P106 x BIPS x B x F x NE x L x RHR x 32D

Mortise Exit - Inside View

Mortise Exit - Outside View



Surface Vertical Rod - Outside View[5]

Surface Vertical Rod - Inside View

Rim Exit - Inside View

Rim Exit - Outside View

Concealed Vertical Rod - Outside View[5]

Concealed Vertical Rod - Inside View

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PE80 Series Exit Device

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ASSA ABLOY

EA OPTION

Locates reader off center and closer to the push bar for Rim, SVR, and CVR devices.

Surface Vertical Rod - Outside View[5] (EA- Option)

Surface Vertical Rod - Inside View (EA- Option)

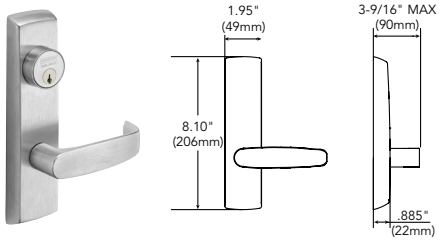
Concealed Vertical Rod - Outside View[5] (EA- Option)

Concealed Vertical Rod - Inside View (EA- Option)

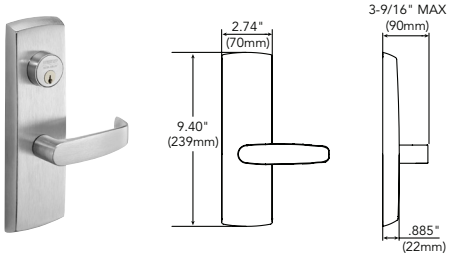
5. Exits using Key Override and Concealed or Surface Vertical Rods require an Auxiliary Control (pictured here). When ordering these exits, please include P306 for Surface Vertical Rod and P106 for Concealed Vertical Rod in your order string.
   Example: EA- SG- IN100 x ADPE8678 x P106 x BIPS x B x F x NE x L x RHR x 32D

EXIT TRIM

P700 NEx Lever Trim



P700 WEx Lever Trim



LEVER

To see the complete range of available levers, please refer to pages 26-31.

FINISH

Description		Specify
US3 (ANSI/BHMS 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)[7]	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)[6]	Satin Nickel Plated, clear coated	15
US26 (ANSI/BHMA 625)[7]	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)[6]	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)[8]	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)[8]	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Plug[9]
03, 04, 09, 10, 10B, 10BL	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

HANDING

LHR	Left hand reverse
RHR	Right hand reverse

DOOR WIDTH

Specify in inches

6. 15 or 26D finishes are available on outside trim only, the exit devices will be supplied in 32D.
7. 14 or 26 Finishes are available on outside trim only, the exit devices will be supplied in 32 finish.
8. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.
9. Finish when cylinder provided with lock

BUILD YOUR ORDER STRING

Technology	Device Function	Credentials	Reader	Rail Size	Trim	Lever	Finish	Handing	Door Width (in inches)	Door Height	AFF
IN 100	P E 8 8 7 7	B I P S	M B	F	N E	L	1 0 B E	R H R	3 6	Specify	Specify

For additional cylinder and/or mechanical options, please refer to pages 33-36. Add the desired options to the beginning of your order string.

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Von Duprin® 98/99 Series Rim Exit Devices

MECHANICAL FEATURES

- Certified ANSI/BHMA A156.3 Grade 1
- Key override compatible with a variety of rim cylinders. Trim prepped for cylinder (not included)
- Requires Von Duprin RX switch assembly #050251-00 (supplied by others)
- Provides complete coverage of door prep for Von Duprin 996 trim; call 800-810-WIRE for information on door prep coverage for other trims
- Available with Studio Collection, Coastal Series and all standard levers
- UL/ULC Listed for fire doors*
- Matching dummy trim available for double doors.

IN SERIES EXIT DEVICE FUNCTIONS

- Lever outside rigid except when in passage mode or valid user code entered
- Always allows free egress
- Request-to-Exit (REX): monitors rail position
- Low battery, tamper signaling standard
- Door position switch (DPS, part #52-5373) supplied

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

CREDENTIALS

BIPS	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, MIFARE Classic, DESFire EV1, DESFire EV2/EV3 (EV1 Compatibility), PIV/PIV-I, HID Prox®, AWID, EM4102, HID Mobile Access® (BLE and NFC), Apple Wallet Seos or DESFire® (NFC), Google Wallet DESFire® (NFC)
BIKPS	All credentials supported by the BIPS option plus keypad

FUNCTION

231	Rim exit device, key override

READER

B	Black reader, black trim
MB[1]	Black reader, metal trim

ESCUTCHEON

EK1	Plate for Von Duprin Retrofit Fit

1. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

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Retrofit Kits

LEVER

The levers shown here are some of our most popular styles from the Studio Collection.
To see the complete range of available levers, please refer to pages 26-31.

MD

MJ

MI

ND[2]

NJ[2]

MW[2]

PREMIUM LEVERS

RAS[3]

H001

H004

REM[3]

H002

H006

2. Lever returns within ½" (13 mm) of door face.
3. Gramercy levers are customized. See page 31 for ordering information.

FINISH

Description		Specify
US3 (ANSI/BHMA 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)[4]	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)[4]	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Plug[5]
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

HANDING

LHR	Left hand reverse
RHR	Right hand reverse

4. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if an other finish is desired.
5. Finish when cylinder provided with lock

BUILD YOUR ORDER STRING

Technology		Function			Credentials				Reader		Escutcheon			Lever			Finish				Handing			
IN	100	2	3	1	B	I	P	S			E	K	1											

The order string for the EK1 mechanical exit trim is: EK1 x 706-5 x Lever x Finish x Hand.

For additional cylinder and/or mechanical options, please refer to pages 33-36. Add the desired options to the beginning of your order string.

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90835 09/25

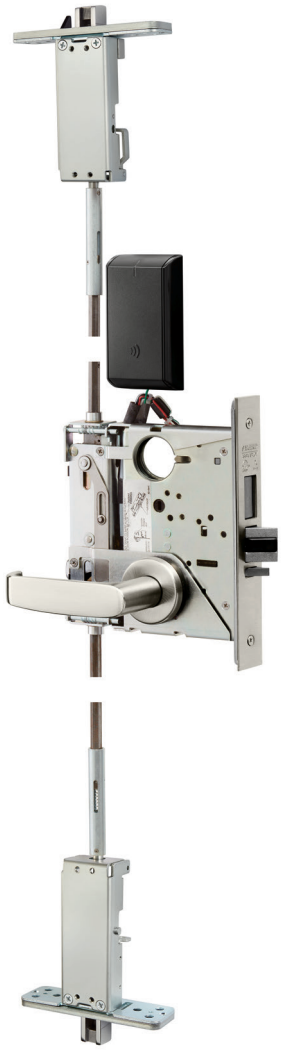
7300 Series Multi-Point Locks

SARGENT
ASSA ABLOY

MECHANICAL FEATURES

- Certified to ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1
- Motor driven 8200 Series Mortise Lock
- 1-3/4" thick door only; fully integrated – 7300 is part of a complete ASSA ABLOY windstorm solution
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability
- Concealed vertical assembly (rods, latches and cassette) pre-installed in door
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm and Blast certification information is listed in the Sargent 7300 Series catalog

Shipping Weight: Approx. 11 lbs.



IN SERIES MULTI-POINT LOCK FUNCTIONS

- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch and deadbolt
- Guardbolt deadlocks latch
- Low battery, latch, guardbolt and tamper signaling standard

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

Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Handed; specify RHR, LHR, RH or LH
Top bolt	Adjustable stainless steel 3/4" square bolt with 11/16" engagement; 5/16" steel reinforcement plate
Bottom bolt	Adjustable stainless steel 3/4" square bolt with 5/8" engagement; 1/4" steel reinforcement plate
Center bolts	Latchbolt is stainless steel with 3/4" projection. One piece, anti-friction reversible catch. Deadbolt is one piece hardened stainless steel with 1" projection
Lock front	1/8" steel mortise front reinforced with 13/64" thick lock edge stiffener
Center bolt strike	1/4" thick stainless steel
Backset	2-3/4" standard
Door thickness	1-3/4" standard
Door height	7'0" - 8'0"
Maximum opening	Single door 4'0" x 8'0" and double doors 8'0" x 8'0"

FUNCTION

73277	Deadbolt, no key override
73276	Key override with deadbolt

READER

B	Black reader, black trim
MB[1]	Black reader, metal trim

1. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

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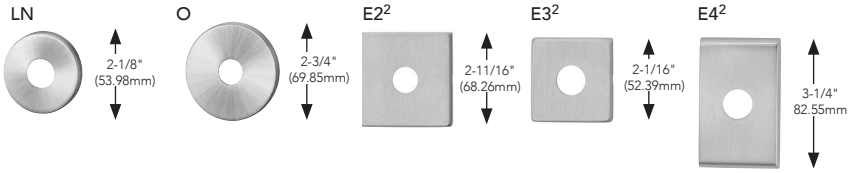
7300 Series Multi-Point Locks

SARGENT
ASSA ABLOY

CREDENTIALS

BIPS	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, MIFARE Classic, DESFire EV1, DESFire EV2/EV3 (EV1 Compatibility), PIV/PIV-I, HID Prox®, AWID, EM4102, HID Mobile Access® (BLE and NFC), Apple Wallet Seos or DESFire® (NFC), Google Wallet DESFire® (NFC)
BIKPS	All credentials supported by the BIPS option plus keypad

ROSE



Suites with reader

2. 1KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.

LEVER

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 26-31.

MD

MJ

MI

ND[3]

NJ[3]

MW[3]

PREMIUM LEVERS

RAS[4]

REM[4]

3. Lever returns within ½" (13 mm) of door face.
4. Gramercy levers are customized. See page 31 or ordering information.

FINISH

Description		Specify
US3 (ANSI/BHMA 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)[5]	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)[5]	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Cylinder/ Core[6]
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

HANDING

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

5. Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.
6. Finish when cylinder provided with lock

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7300 Series Multi-Point Locks

SARGENT
ASSA ABLOY

BUILD YOUR ORDER STRING

Technology	Function*	Credentials	Reader	Rose	Lever	Finish	Handing
IN 100	7 3 2 7 7	B I P S					

*If Windstorm or Blast is required, add the following before the function code:

FM -Windstorm
BL - Blast

Example: FM73277, BL73277

If neither is required, use the function code as listed on page 20.
For additional cylinder and/or mechanical options, please refer to pages 33-36. Add the desired options to the beginning of your order string.

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Alternate Power Options

HARD POWER OPTION (91-)

The IN100 allows hard powering via an input of 12 to 24V DC. SARGENT offers a range of power supplies suitable for this application.

LSP-12-24 POWER SUPPLY

Operation

LifeSafety Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. Recommended for the 91- Hard Power Option.

Features

- Selectable voltage output between 12V and 24V with a single switch
- Internal Back-Up battery charging circuit *
- Regulated and filtered, fuse protected outputs
- Each output can be individually turned on and off via a jumper
- Power status of each output is shown by an LED
- Rugged steel enclosure
- Fire alarm interface included – Dry contacts NO/NC, 9-33VDC, 3-15mA

Electrical Specifications

- Inputs: 120VAC
- Outputs: 12VDC @ 6 Amp or 24VDC @ 3 Amp
- 8 Total Outputs

Listings

- UL294, UL603, UL1076
- ULC S318, ULC S319

* **Note:** Batteries are not included with the power supply

Model No.	Description
LSP-12-24	12V - 6AMP / 24V - 3AMP Power Supply

52-4824 91- HARD POWER KIT

- Included with 91- prefix option IN100 units
- Allows for hard powering (91-) of IN100
- Compatible with ElectroLynx® system

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COVER PLATE KITS

79-5000	IN Series mortise lock, 82276(key override, with deadbolt), 32D finish
79-5001	IN Series mortise lock, 82277 (no key override, with deadbolt), 32D
79-5002	IN Series mortise lock, 7978/82278 (key override, no deadbolt), 32D finish
79-5003	IN Series mortise lock, 7979/82279 (no key override, no deadbolt), 32D finish
10-5008	IN Series cylindrical lock, 10XG77 (with key override), 32D finish

APERIO CONFIGURATION KITS

Aperio offers the flexibility to make field configurations easily and without any special equipment. Configuration adjustments can be made to the Aperio hub and Aperio locks using the Aperio Programming tool software and Aperio USB programing dongle from a Windows net-book or laptop with an available USB port.

Requirements for Operation:
Laptop or Netbook with:
- Windows 10
- USB 2.0 port

APA-10-PC Aperio Programming Application Tool Kit
- USB Flash Drive
  - Programming Application Tool Software and License Files
  - Aperio Instructions (electronic files)
  - Tritech Tribee USB Radio Dongle (APD-10-USB)
- HID iCLASS/Prox Card

APD-10-USB Aperio Configuration USB Dongle
- Tritech Tribee USB Radio Dongle
- Included in APA-10-PC Kit

52-1635 USB cable
- USB cable is a stand-alone item (sold separately)

INTEGRATION TOOLS FOR ASSA ABLOY LOCKS

ASSA ABLOY electronic access control locks integrate with a range of industry-leading access control systems. For more information on which systems support our Aperio® enabled locks, please contact your local ASSA ABLOY Door Security Solutions office, www.assaabloydss.com. To learn more about how to integrate these and other ASSA ABLOY products with your system, please call 800-810-WIRE.

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Aperio® Hub

The IN100 lock uses short distance wireless transmission (IEEE 802.15.4, 2.4 GHz) to communicate with an Aperio hub, which is connected to an access control system via IP, RS-485 or Wiegand.

SPECIFICATIONS

- Wireless Communication: IEEE 802.15.4 (2.4 GHz)
- Wireless Range: 50-80 feet (depending on installed environment)
- EAC Communication: IP, RS-485 or Wiegand
- Power: Powered using Power over Ethernet (PoE) or external power supply (8-24VDC)
- Security: AES 128 encryption
- Operating Temperature: 41°F (5 °C) to 95°F (35 °C)
- Humidity: < 95% maximum (non-condensing)

ORDERING APERIO HUBS

	Series	Hardware Version	Hardware Configuration	Configuration Code*
	AH	20: Wiegand hub; 30: RS-485 hub; 40: IP hub	W14: Wiegand 1:1; R12: RS-485 1:8 (Mercury); or 1:16 (non-Mercury) IN2: IP 1:64	NNNN
Ex.:	AH	30	R12	NNNN

* NNNN is the standard configuration code for Aperio hubs. Access Control Partners should contact 800-810-WIRE for specific ordering information

The Aperio hub is available in a Mercury version for completely seamless integration into Mercury-based access control systems. Please contact your Mercury-based access control provider for ordering information.

APERIO HUB ACCESSORIES

EXT-10-ANT Aperio External Antenna
Aperio hubs are certified for use with the ASSA ABLOY external (omnidirectional) antenna EXT-10-ANT. The external antenna may be used to obtain more even radio coverage (in the form of a doughnut) around the hub. Please note that the antenna does not extend the maximum range of the Aperio hub.

Specifications:
- For indoor use only
- Operating Temperature: 32°F (0 °C) to 113°F (45 °C)
- Humidity: < 95% maximum (non-condensing)

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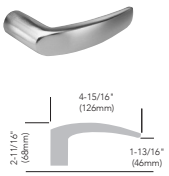
STANDARD LEVERS

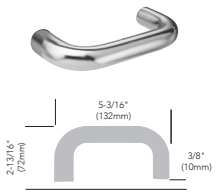
7900 Series Mortise Locks

- All levers meet ADA national code requirements
- Lever designs BJ, BL and BP have lever returns within 1/2" (13mm) of door face and meet California State Reference Fire Code
- Levers BB, BL, BJ & BP are only available with the O rose

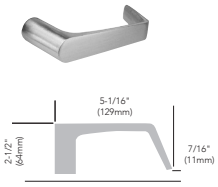
BB



BJ



BL



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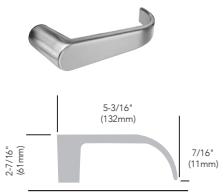
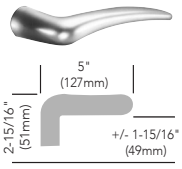


8200 Series Mortise Locks, 80 and PE80 Series Exit Devices, and 7300 Series Multi-Point Locks

- All levers meet ADA compliance for national codes
- Solid forged or cast
- Lever designs J, L and P have lever returns within 1/2" (13mm) or less of door face and meet California State Reference Fire Code
- All lever height (+/- 1/16") measurements represent total distance from door face

A



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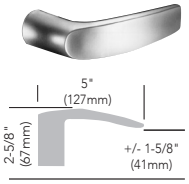

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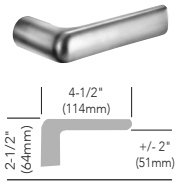

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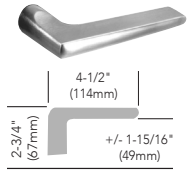

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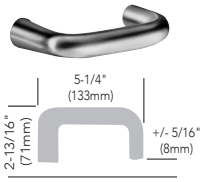

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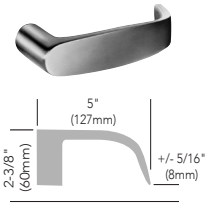

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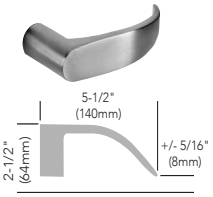

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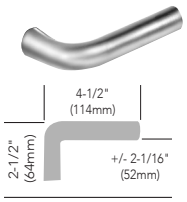

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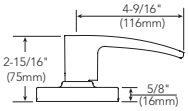
Aperio® Wireless Access Control

STANDARD LEVERS

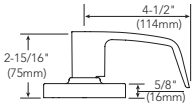
10X Line Bored Locks

- All levers meet ADA compliance for national codes
- Solid cast
- Lever designs L, P, ND, MW have lever returns within 1/2" (13mm) or less of door face and meet California State Reference Fire Code
- All lever height (+/- 1/16") measurements represent total distance from door face

B



L



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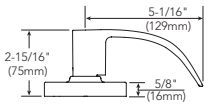
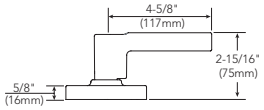


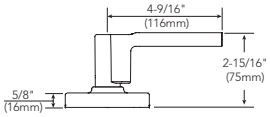
DECORATIVE LEVERS

10X Line Bored Locks

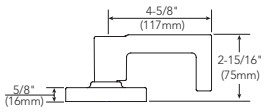
MD



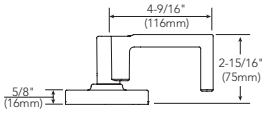
MB



ND



MW

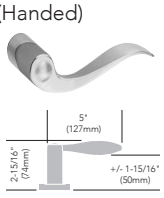


The Coastal Series™

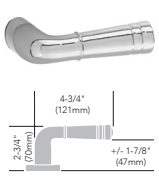
Mortise Locks, 80 and PE80 Series Exit Devices, and 7300 Series Multi-Point Locks

- All levers meet ADA compliance for national codes
- Levers are solid cast brass
- Finishes available — 3, 4, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D
- All lever height (+/- 1/16") measurements represent total distance from door face

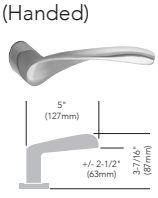
G - Gulfport™
(Handed)



R - Rockport™



S - Sanibel™
(Handed)



Y - Yarmouth™
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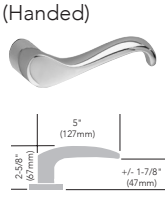

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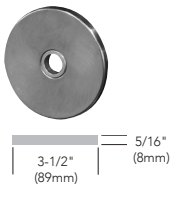
Aperio® Wireless Access Control

STANDARD ROSES

7900 and 8200 Series Mortise Locks

L



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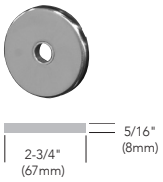
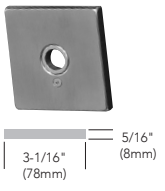


E
(Handed)



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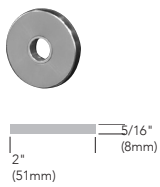
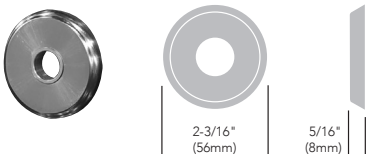


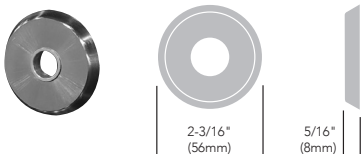
COASTAL SERIES ROSES

7900 and 8200 Series Mortise Locks

TR Traditional Rose
(Dual radii edge)



CR Contemporary Rose
(Beveled edge)

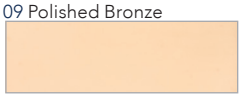


AVAILABLE FINISHES

03 Polished Brass

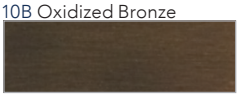
04 Satin Brass

09 Polished Bronze



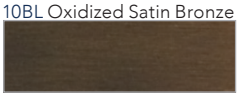
10 Satin Bronze

10B Oxidized Bronze

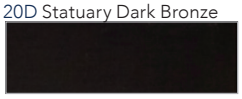


10BE Dark Oxidized Satin Bronze — equivalent

10BL Oxidized Satin Bronze



20D Statuary Dark Bronze



14 Polished Nickel

15 Satin Nickel

26 Polished Chrome

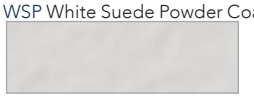
26D Satin Chrome

32 Polished Stainless Steel

32D Satin Stainless Steel

BSP Black Suede Powder Coat

WSP White Suede Powder Coat



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Studio Collection Levers

Studio Collection trim is available in a broad array of designs and finishes. It allows for uniformity throughout a facility using the 8200 and 7900 Series Mortise Locks, Access Control Products, 80 and PE80 Series Exits Devices, DL Series Tubular Locks, and 7300 Series Multi-Point Locks.

All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.

H001 H002[2] H003 H004 H005[2] H006[2]

MB ME MF NF MG MI MW[2]

RCM RAL REM RAM RAS RAG RGM

MD MJ MP[1] ND[2] NJ[2]

(Handed Levers)

MN MH MS MU MV NU[2] WG

(MA and MO are Non-Handed Levers)

MA MQ MT MO MZ[2] GT

H015 H016[2] H017 H018

(H008 is handed)

H007 H008 H011

1. Contact factory for current lead times. Not available in stainless steel finishes.
2. Lever returns within 1/2" (13mm) of door face
3. Gramercy levers are customized. See page 31 for ordering information.
4. Odéon Series are not available in 32D

Note: H003 - H006 contains white or black polycarbonate insert

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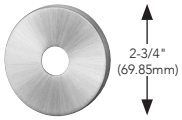
Studio Collection Rose and Thumbturns

STUDIO COLLECTION TRIM

Roses (7900, 8200, and 7300 Series Multi-Point Locks)

O



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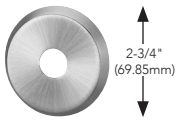
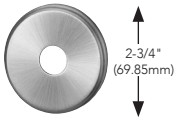


TO



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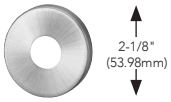

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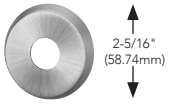

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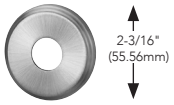

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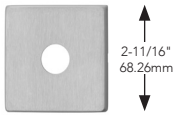
(Handed)



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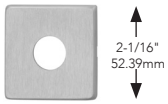

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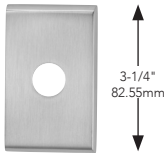
(Handed)

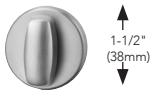


THUMBTURNS

7900, 8200, and 7300 Series Multi-Point Locks

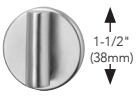
Thumbturn backplate will match rose design chosen. Specify T1, T2 or T3 as a prefix option for decorative turns.

T1



T2

T3



1. 1KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.

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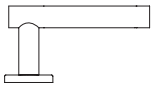
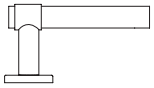
Ordering Gramercy Series Levers

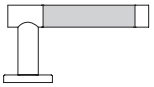
REM, RGM



RCM



RAG, RAL, RAM, RAS



GRAMERCY FINISH CODES

BHMA Finish	SARGENT Finish	Gramercy Code	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)
613E	10B	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat

* Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

GRAMERCY LEVER DESCRIPTIONS AND AVAILABLE FINISHES

Lever Designation	Lever Description	Available Finishes (as ordered)
RAG	Grooved Insert	3E3E, BSBS, WSWS, 3030, OR 2929
RAL	Leather Insert	3EBK3E, 3EBN3E, BSBKBS, BSBNBS, WSBKWS, WSBNWS, 30BK30, 30BN30, 29BK29, OR 29BN29
RAM	Metallic Insert	2930** only
RAS	Santoprene Insert	3EBK3E, BSBKBS, WSBKWS, 30BK30, OR 29BK29
RCM	Raised Band	3E3E, BSBS, WSWS, 3030, 2929, or 2930**
REM	Plain	3E3E, BSBS, WSWS, 3030, OR 2929
RGM	Two Grooves	3E3E, BSBS, WSWS, 3030, 2929 OR 2930

**Two-tone finish — grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32.

When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use “29” for polished stainless, BHMA finish 629.

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Replacement Parts

OUTSIDE ESCUTCHEON (READER) & CONTROLLER & INSIDE MOUNTING KIT

IN-100-EM01-BIPS-B	Black
IN-100-EM01-BIPS-MB-[finish]*	Black with metal trim
IN-100-EM01-BIKPS-B	Black with keypad
IN-100-EM01-BIKPS-MB-[finish]*	Black with keypad and metal trim

INSIDE ESCUTCHEON (BATTERY COVER)

IN-100-EM02-B	Black
IN-100-EM02-MB-[finish]*	Black with metal trim

MOUNTING KIT

IN100-EM04	IN100 inside mounting kit (mounting kit and hardware)

LOCKBODIES

IN100-7978-[finish]*-[handing]	IN100 mortise lockbody with cylinder (no deadbolt)
IN100-7979-[finish]*-[handing]	IN100 mortise lockbody only (no deadbolt, no cylinder)
IN100-82276- [finish]*-[handing]	IN100 mortise lockbody with deadbolt and cylinder
IN100-82277- [finish]*-[handing]	IN100 mortise lockbody with deadbolt (no cylinder)
IN100-82278- [finish]*-[handing]	IN100 mortise lockbody with cylinder (no deadbolt)
IN100-82279- [finish]*-[handing]	IN100 mortise lockbody only (no deadbolt, no cylinder)
IN100 777-8 ET X [lever] X [finish] X [handing] X [door thickness]	Trim for rim exit device without key override
IN100 778-8 ET X [lever] X [finish] X [handing] X [door thickness]	Trim for rim exit device with key override
IN100 777 ET X [lever] X [finish] X [handing] X [door thickness]	Trim for mortise exit device without key override
IN100 778 ET X [lever] X [finish] X [handing] X [door thickness]	Trim for mortise exit device with key override
10-3771	Cylindrical lockbody, Std/Rigid Lever (1-3/8"-2" Door)
10-3772	Cylindrical lockbody, Freewheeling Lever (1-3/8"-2" Door)
10-3805	Cylindrical lockbody, Std/Rigid Lever (2-1/4" Door)
10-3806	Cylindrical lockbody, Freewheeling Lever (2-1/4" Door)

* Select from finishes on page 28.

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Mechanical Options

52-5374 DOOR POSITION SWITCH (DPS)

- SPDT concealed switch (3 wire)
- 3/8" diameter for wood door
- 3/4" diameter for glass and metal door
  - Metal door adapter included
- Supplied with IN100 cylindrical and mortise locks

MECHANICAL OPTIONS

Strike Options	29-	Strike #800. Lip length 1-1/4". Lip lengths 1" to 2" in 1/4" increments only.
	WBS-	Wrought Box Strike
10x Line Backset Options	20-	2-3/8" Backset Latch with 1" Front
	23-	3-3/4" Backset x 2-1/4" x 1-1/8" Front (10X Line only)
	25-	5" Backset x 2-1/4" x 1-1/8" Front (10X Line only)
Security Fasteners	36-	Six lobe security head screws
	37-	Spanner head screws
3/4" Latch Throw	41-	3/4" (19mm) throw latch x 2-3/4" (70mm) backset (10X Line only)
Tactile Warning Options	75-	Tactile Warning — Milled Inside Lever (Not available with Studio and Coastal Levers and the A Lever)
	76-	Tactile Warning — Milled Outside Lever (Not available with Studio and Coastal Levers and the A Lever)
	77-	Tactile Warning — Milled Inside and Outside Lever (Not available with Studio and Coastal Levers and the A Lever)
	85-	Tactile Warning — Abrasive Coating on Inside Lever
	86-	Tactile Warning — Abrasive Coating on Outside Lever
	87-	Tactile Warning — Abrasive Coating on Inside and Outside Lever
Finish Protection	CPC-	Clear Powder Coat (Available for 26, 26D, 32 and 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Available with 15, 26D, and 32D finishes)
Electrical Options	91-	Power wiring harness
Thumbturns (See Page 30)	T1-	Decorative thumburn; backplate matches rose design chosen
	T2-	Decorative square thumburn; backplate matches rose design chosen
	T3-	Decorative cylinder thumburn; backplate matches rose design chosen
Outside Locked Levers	FW-	Freewheeling locking levers
Keyed Different	KD-	Cylinders provided keyed differently/random

1. Specify locktype/function (see pages 6-10 for more information): 7978, 7979, 10G77, 8877, 8878, 8977, 8978

Example: IN-100-EM017978-IP-MB-26D

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Cylinder Options[1]

Degree Cylinders	DG1-	SARGENT Degree Key System Level 1 (Bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG2-	SARGENT Degree Key System Level 2 (Geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG3-	SARGENT Degree Key System Level 3 (Geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
	DG3-65-	Degree Level 3 Unassembled/Uncombined Core

1. Not available on EK1

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Cylinder Options[1]

Conventional Cylinder	—	SARGENT Conventional Cylinders supplied Standard (Nomenclature not required)
Signature Key System	10-	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature: Large Format Interchangeable Core (Removable Core)	10-63-	SARGENT Signature LFIC (Removable Core) Cylinder
XC- Key System	11-	XC Key System (not available with 10-, 10UL options)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	11-60-	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic core — provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)
XC- Small Format Interchangeable Core	11-70-7P-	Hardware to accept XC- SFIC (7 Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65- 73-7P-	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core (Packed Loose)
Construction Key Systems	21-	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63-, 73-, 82-, SC- & SE-)
Old Style Removable Core	51-	Removable Core Cylinder (Old Style) provided (Existing Systems Only) (Not available with 10X Line)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (Existing Systems Only) (Not available with 10X Line)
Large Format Interchangeable Core (Removable Core)	60-	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable plastic core provided (Permanent Cores Ordered Separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered separately)

1. Not available on EK1

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Cylinder Options[1]

Small Format Interchangeable Cores	70-	Hardware to accept 6 or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core Ordered Separately)
	73-	Hardware supplied with 6-Pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) Core (Packed loose for field keying)
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) Core (Packed loose for field keying)
	73-7P-	Hardware supplied with Small Format 7 Pin Interchangeable Core (Includes masterkeying, grand masterkeying)
Keso & Keso F1	81-	Hardware provided with housings to accept Keso (83) and Keso F1 (F1-83-) removable cores (Not available with 10X Line) (Permanent Cores Ordered Separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder (Not available with 10X Line)
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10X Line) (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Not available with 10X Line) (Permanent Cores ordered separately)
Bump Resistant	BR-	Bump Resistant Cylinder (Available with Conventional and Conventional XC Cylinders Only)
Less Cylinder	LC-	Hardware supplied less cylinder
Accepts Schlage Cylinders	30-	10X Line Lever to accept Schlage Cylinder-Cylinder is not provided (10X Line only)
	SF-	10X Line L, B or P lever to accept Schlage® large format interchangeable core (supplied less core, tailpiece included).
Schlage Keyways	SC-	Schlage® C keyway cylinder, 0 bitted (10X Line only)
	SE-	Schlage® E keyway cylinder, 0 bitted (10X Line only)
Accepts ASSA ABLOY ACCENTRA® Cylinders/Cores	YC-	10X Line lever to accept Corbin Russwin or ASSA ABLOY ACCENTRA® 6-pin fixed core cylinder - less cylinder, tailpiece provided (all designs)
	YC-7P-	10X Line lever to accept Corbin Russwin or ASSA ABLOY ACCENTRA® 7-pin fixed core cylinder - less cylinder, tailpiece provided (all designs)
	YRC-	10X Line L or P Lever to accept ASSA ABLOY ACCENTRA® 6-pin large format interchangeable core (supplied less core, but with tailpiece needed)

1. Not available on EK1

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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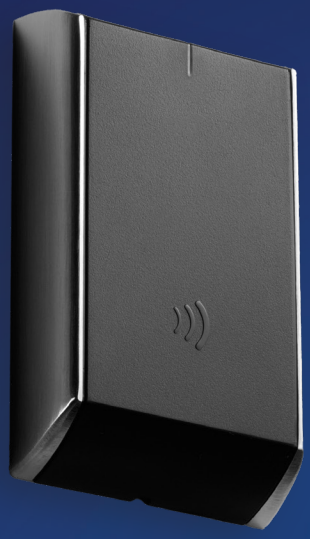

PRODUCT CATALOG

IN Series IN120 WiFi® and IN220 PoE

Intelligent IP-Enabled Access Control

Available through Authorized Channel Partners only.

Contact your local ASSA ABLOY Door Security Solutions sales consultant for details.

Experience a safer and more open world

Intelligent IP-Enabled Access Control

SARGENT
ASSA ABLOY

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OVERVIEW

The SARGENT IN Series brings you the next generation of IP-enabled access control in a sleek, minimalist design. With both Wi-Fi® and Power over Ethernet options, you can leverage your IT infrastructure to deliver advanced access control to more locations, with the flexibility and security of HID® OMNIKEY® SE reader core technology.

ABOUT ASSA ABLOY'S AUTHORIZED CHANNEL PARTNER AND CERTIFIED INTEGRATOR PROGRAMS

The SARGENT IN120 and IN220 are part of a stream of new ASSA ABLOY products that integrate with a facility's access control system. These exciting new technology-rich products require an increase in knowledge to ensure the correct selection and implementation in various environments.

To aid our customers in this area, ASSA ABLOY has created two programs that provide the necessary training to sell, order, install and service our technology products, including Aperio® wireless, Integrated Wiegand, IP-enabled and self-configurable intelligent components:

Authorized Channel Partner
ASSA ABLOY

The Authorized Channel Partner (ACP) program is open to resellers, who sell ASSA ABLOY's technology products to certified integrators and help with product selection based on the application.

Certified Integrator
ASSA ABLOY

The Certified Integrator (CI) program provides hands-on training for security systems integrators and network administrators.

Not only does this training familiarize certified integrator candidates with product features and applications, it also gives them valuable experience installing, commissioning and troubleshooting the products in a real-world environment.

For more information on the qualifications for becoming an ACP or CI, contact your local ASSA ABLOY Door Security Solutions sales consultant.

⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

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Intelligent IP-Enabled Access Control

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Features	Benefits	IN120 Wi-Fi® Lock	IN220 PoE Lock
Utilizes IEEE 802.3af PoE-enabled network infrastructure for both power and data	• Streamlines the installation process, reducing costs • Eliminates the need for any proprietary equipment • Enables real-time communication		●
Utilizes IEEE 802.11 Wi-Fi infrastructure	• Significantly reduces installation costs • Eliminates the need for any proprietary equipment • Ideal for hard-to-wire locations	●	
Dual-band (2.4/5GHz) Wi-Fi 4 radio support	High compatibility with existing Wi-Fi networks	●	
OMNIKEY® Reader Core Technology from HID Global®	• Provides heightened security • Support for a wide variety of credential types including mobile, high frequency, and low frequency (see the following page for details).	●	●
Field selectable communication frequency	Allows you to balance security requirements with battery life	●	
Reduced energy consumption and product sustainability measures	Uses significantly less power consumption in standby mode than traditional access control		●
	Leverages existing network infrastructure	●	●
	Streamlined system architecture provides improved reliability and reduces materials	●	●
Intelligence built into lock for local decision making*	Lock operates regardless of network status	●	●*
	Supports up to 10,000 users	●	●
	Provides a 10,000 event transaction history/audit trail	●	●
Privacy button	• Enables shelter in place/local lockdown with optional alarm • Offers privacy capabilities for applications such as restrooms	●	●
Integrated ANSI/BHMA Grade 1 hardware, available in cylindrical lock, mortise lock, exit device, and multi-point lock configurations	• Flexibility to support various openings • Assurance of high quality SARGENT hardware	●	●
Superior aesthetics	• Blends into any environment seamlessly • Designed to meet the requirements of designers and architects • Available with a wide range of finishes and decorative levers • Suites with other IN Series locks, regardless of technology • Suitable for glass^, metal, and wood door types	●	●

* Requires backup power for IN220
^For all glass doors, Center Lock Housing (CLH-IN) must be used. Purchased through ASSA ABLOY Glass Solutions program.

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Intelligent IP-Enabled Access Control

CREDENTIAL SUPPORT:

Featuring HID® OMNIKEY® reader core technology, IN Series IP-enabled locks support the following credentials:

- HID iCLASS®
- HID iCLASS SE® (SIO-enabled)
- HID iCLASS® Seos™
- HID MIFARE® SE
- HID DESFire® EV1 SE
- HID MIFARE Classic SE
- DESFire EV1
- DESFire EV2/3 (EV1 Compatibility)
- PIV, PIV-I
- HID Prox®
- HID Mobile Access® (NFC)
- HID Mobile Access® (BLE)
- Supports the use of employee badge and/or Student ID in Apple Wallet
- Android Wallet (MIFARE 2GO)
- Optional keypad
  - PIN only usage or dual authentication needs

For sites with more than one type of credential support, please contact your local ASSA ABLOY Door Security Solutions sales representative or call 800-810-WIRE.

TECHNICAL SPECIFICATIONS

IN120

Compatible with Wi-Fi 4 (2.4/5GHz dual-band) wireless networks

IN220

Conforms to IEEE 802.3af Class 1 standard, requiring less than 3.84 watts

Fail Safe or Fail Secure Option

Locks can be configured to automatically lock (Fail Secure) or unlock (Fail Safe) on power failure.

SECURITY:

- Optional, protocol level, 128-bit AES encryption (IN120, IN220)
- IN120 supports current Wi-Fi network security standards, including:
  - WPA™ / WPA2™ Personal
  - WPA™ / WPA2™ Enterprise (802.1X)
- For specific security information, please contact your local ASSA ABLOY Door Security Solutions sales representative or call 800-810-WIRE.

SOFTWARE:

- Works with ASSA ABLOY IP-Enabled Access Control Partner software, allowing simple integration into existing or new systems
- Software Development Kits (SDK) and support available to integrate into other third party access control systems. Email: OEMSupport_Group@assaabloy.com for assistance.

ENVIORNMENTAL SPECIFICATIONS:

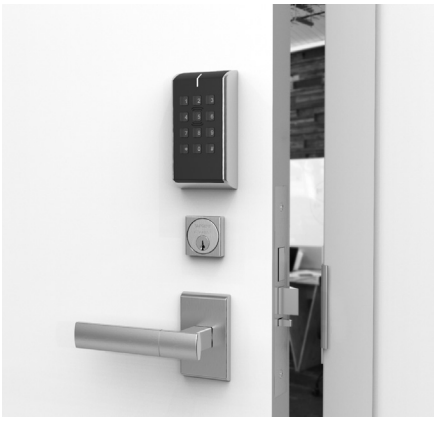
- Operating temperature: -13°F (-25°C) to 151°F (66°C)
- Humidity: operates in condensing environments*
- Storage temperature: -22°F (-30°C) to 176°F (80°C)

EAC REGULATORY COMPLIANCE†:

- UL 294 Indoor Use
- ULC-60839-11-1, Grade 1
- BHMA A156.25

* Always refer to the installation instructions for correct procedure when installing in condensing environments

† Excludes EK series



Optional Keypad
PIN only usage or dual authentication needs

Unlock the potential of your commercial space by seamlessly integrating all-glass doors with the IN120. Enjoy heightened security, simplified access control, and an infusion of invigorating natural light, creating an environment that is both secure and radiant.

- Single and double door applications
- Glass cut-out required
- No cement or silicone required for installation
- Prepped for bored and mortise lock functions
- Matching 6-3/16" x 15-3/16" Centerlock Keeper can be paired with housing for double doors
- Glass thickness: 1/2", 9/16"
- Base materials:
  - Cover plates: Stainless Steel
  - Housing: Aluminum
- Finishes: 32D, 32, 10BE, BSP, WSP, Stock Powder Coats

Center Lock Keeper and Housing sold separately through ASSA ABLOY Glass Solutions

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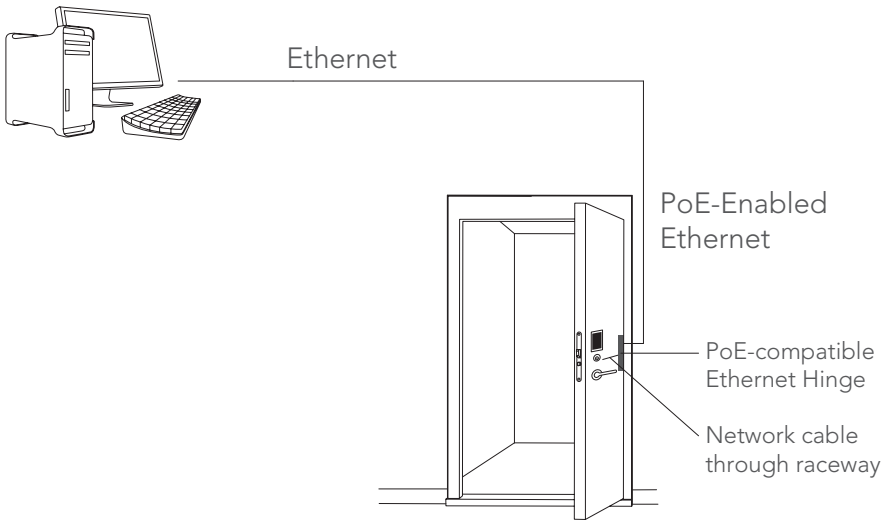
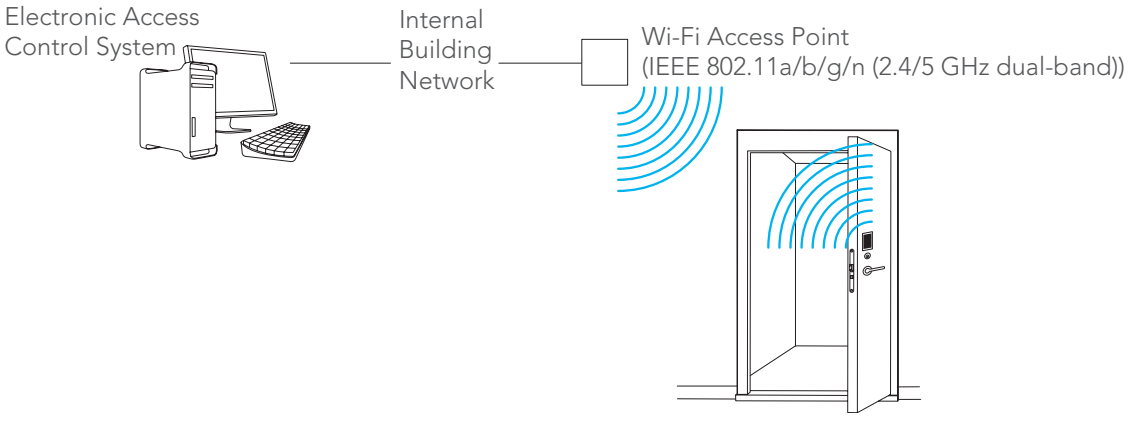
POE (POWER OVER ETHERNET) SYSTEM CONFIGURATION

Electronic Access Control System



Wi-Fi System Configuration



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Intelligent IP-Enabled Access Control

7900 SERIES MORTISE LOCKS

Mechanical Features
- Certified to ANSI/BHMA A156.13 Series 1000 Grade 1
- UL/ULC Listed for fire doors*
- Motor driven 7900 Series Mortise Lock
- 3/4" projection stainless steel latchbolt, one-piece construction
- For 1-3/4" (44mm) thick door standard. Consult factory for additional thicknesses
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handing easily field reversible without disassembling lock body
- Lever trim through-bolted for increased security and durability

Shipping Weight: Approx. 11 lbs.

IN Series Mortise Lock Features
- Key outside always retracts latch
- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch
- Guardbolt deadlocks latch
- Key override available with #41 cylinder supplied
- Low battery (for IN120), request-to-exit (REX), Door Position (DPS) and tamper signaling standard
- EcoFlex® technology offers improved battery life for IN120 mortise locks

52-5373 Door Position Switch (DPS)
Supplied with IN Series mortise locks
- SPST concealed switch (2-wire)
- 3/8" Diameter for wood door
- 3/4" Diameter for glass and metal door
  - Metal door adapter included

Note: The DPS is installed right above the lock faceplate and connects directly into the lock's electronics

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

Select from the following options to order IN Series mortise locks:

TECHNOLOGY

120	Wi-Fi
220	PoE

FUNCTION

7978	Key override (no deadbolt)
7979	No Key override (no deadbolt)

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7900 SERIES MORTISE LOCKS

READER

B	Black reader, black trim
MB	Black reader, metal trim

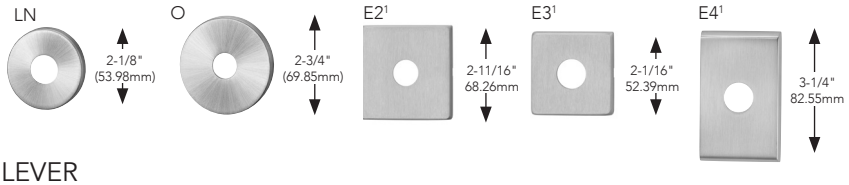
Note: Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

CREDENTIALS

BIPS	HID Prox®, iCLASS®, iCLASS SE® (SIO-enabled), iCLASS® Seos™, MIFARE® SE, DESFire® EV1 SE, MIFARE Classic SE, DESFire EV1, DESFire EV2/3 (EV1 Compatibility), HID Mobile Access® (NFC), HID Mobile Access® (BLE), Supports the use of employee badge and/or Student ID in Apple Wallet, Android Wallet (MIFARE 2GO), PIV/PIV-I (40-bit BCD, 64-bit BCD, 75-bit, 128-bit BCD or 200-bit outputs)
BIKPS	All credentials supported by the BIPS option plus keypad.

To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Android Wallet mobile credential support, please refer to the site-specific credential ordering guide.

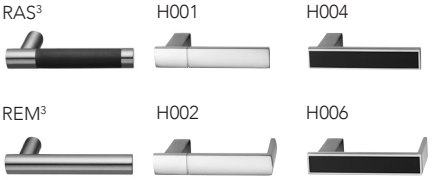
ROSE



LEVER

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 31-34.

PREMIUM LEVERS



FINISH

Description		Specify
US3 (ANSI/BHMA 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)*	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)*	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Plug**
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

** Finish when cylinder provided with lock

HANDING

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

* Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.
1. 1KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.
2. Lever returns within 1/2" (13 mm) of door face.
3. Gramercy levers are customized. See page 34 for ordering information.

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Intelligent IP-Enabled Access Control

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7900 SERIES MORTISE LOCKS

Build Your Order String

Technology	Function				Credentials			Reader			Rose		Lever			Finish						
IN		7	9	7																	

For additional cylinder and/or mechanical options, please refer to pages 36-39. Add the desired options to the beginning of your order string.

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Intelligent IP-Enabled Access Control

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8200 SERIES MORTISE LOCKS

Mechanical Features

- Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm and Florida Building Code information is listed on page 15
- Motor driven 8200 Series Mortise Lock
- 3/4" stainless steel, anti-friction reversible latch
- For 1-3/4" (44mm) thick door standard. Consult factory for additional thicknesses
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability

Shipping Weight: Approx. 11 lbs.

IN Series Mortise Lock Features

- Key outside always retracts latch
- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch and deadbolt (if present)
- Guardbolt deadlocks latch
- Key override available with #41 cylinder supplied
- Low battery (for IN120), request-to-exit (REX), Door Position (integrated DPS), and tamper signaling standard

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

Select from the following options to order IN Series mortise locks:

TECHNOLOGY

120	Wi-Fi
220	PoE

FUNCTION

82276	Key override and deadbolt*
82278	Key override and no deadbolt
82277	Deadbolt and no key override*
82279	No deadbolt and no key override

*This function supports Escape Return.

Note: 82276 and 82277 not available with Glass Solutions center lock housing.

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Intelligent IP-Enabled Access Control

SARGENT
ASSA ABLOY

8200 SERIES MORTISE LOCKS

READER

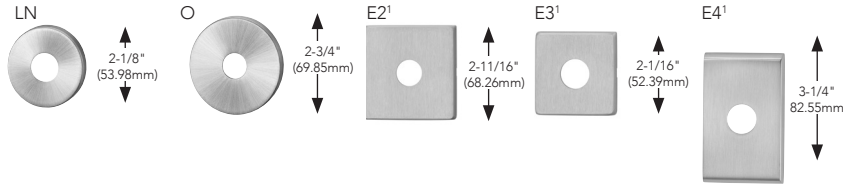
B	Black reader, black trim
MB	Black reader, metal trim

Note: Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

CREDENTIALS

BIPS	HID Prox®, iCLASS®, iCLASS SE® (SIO-enabled), iCLASS® Seos™, MIFARE® SE, DESFire® EV1 SE, MIFARE Classic SE, DESFire EV1, DESFire EV2/3 (EV1 Compatibility), HID Mobile Access® (NFC), HID Mobile Access® (BLE), Supports the use of employee badge and/or Student ID in Apple Wallet, Android Wallet (MIFARE 2GO), PIV/PIV-I (40-bit BCD, 64-bit BCD, 75-bit, 128-bit BCD or 200-bit outputs)
BIKPS	All credentials supported by the BIPS option plus keypad.

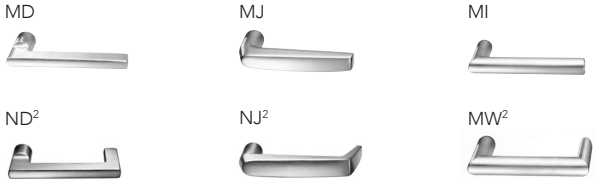
ROSE



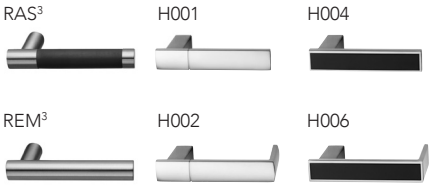
Suites with reader

LEVER

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 31-34.



PREMIUM LEVERS



FINISH

Description		Specify
US3 (ANSI/BHMA 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)*	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)*	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Plug**
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

** Finish when cylinder provided with lock

HANDING

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

* Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

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Intelligent IP-Enabled Access Control

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8200 SERIES MORTISE LOCKS

Build Your Order String

Technology	Function	Credentials	Reader	Rose	Lever	Finish	Handing	Opening Height (Inches)
IN	8227							

For additional cylinder and/or mechanical options, please refer to pages 36-39. Add the desired options to the beginning of your order string.

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Intelligent IP-Enabled Access Control

SARGENT
ASSA ABLOY

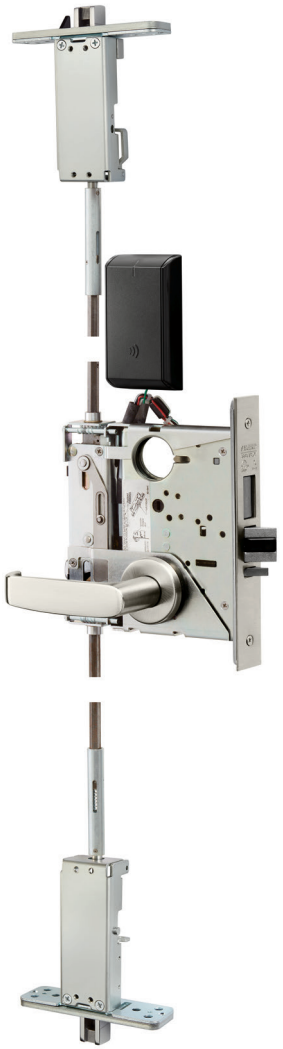
7300 SERIES MULTI-POINT LOCKS

Mechanical Features
- Certified to ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1
- Motor driven 8200 Series Mortise Lock
- 1-3/4" thick door only; fully integrated – 7300 is part of a complete ASSA ABLOY windstorm solution
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability
- Concealed vertical assembly (rods, latches and cassette) pre-installed in door
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm certification information is listed in the Sargent 7300 Series catalog

Shipping Weight: Approx. 11 lbs.

IN Series Multi-Point Lock Features
- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch and deadbolt
- Guardbolt deadlocks latch
- Low battery (for IN120), request-to-exit (REX), Door Position (integrated), and tamper signaling standard

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



Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Handed; specify RHR, LHR, RH or LH
Top Bolt	Adjustable stainless steel 3/4" square bolt with 11/16" engagement; 5/16" steel reinforcement plate
Bottom Bolt	Adjustable stainless steel 3/4" square bolt with 5/8" engagement; 1/4" steel reinforcement plate
Center Bolts	Latchbolt is stainless steel with 3/4" projection. One piece, anti-friction reversible catch. Deadbolt is one piece hardened stainless steel with 1" projection
Lock Front	1/8" steel mortise front reinforced with 13/64" thick lock edge stiffener
Center Bolt Strike	1/4" thick stainless steel
Backset	2-3/4" standard
Door Thickness	1-3/4" standard
Door Height	7'0" - 8'0"
Maximum Opening	Single door 4'0" x 8'0" and double doors 8'0" x 8'0"

Select from the following options to order IN Series multi-point locks:

TECHNOLOGY

120	Wi-Fi
220	PoE

FUNCTION

73277	Deadbolt, no key override
73276	Key override with deadbolt

READER

B	Black reader, black trim
MB	Black reader, metal trim

Note: Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

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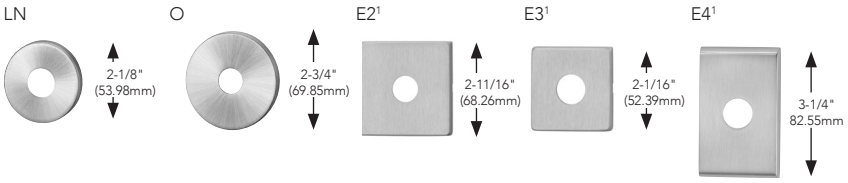
7300 SERIES MULTI-POINT LOCKS

CREDENTIALS

BIPS	HID Prox®, iCLASS®, iCLASS SE® (SIO-enabled), iCLASS® Seos™, MIFARE® SE, DESFire® EV1 SE, MIFARE Classic SE, DESFire EV1, DESFire EV2/3 (EV1 Compatibility), HID Mobile Access® (NFC), HID Mobile Access® (BLE), Supports the use of employee badge and/or Student ID in Apple Wallet, Android Wallet (MIFARE 2GO), PIV/PIV-I (40-bit BCD, 64-bit BCD, 75-bit, 128-bit BCD or 200-bit outputs)
BIKPS	All credentials supported by the BIPS option plus keypad.

To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Android Wallet mobile credential support, please refer to the site-specific credential ordering guide.

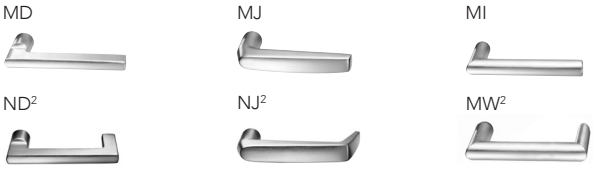
ROSE



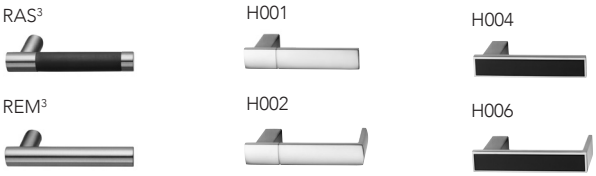
Suites with reader

LEVER

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 31-34.



PREMIUM LEVERS



1. 1KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.
2. Lever returns within ½" (13 mm) of door face.
3. Gramercy levers are customized. See page 34 for ordering information.

FINISH

Description		Specify
US3 (ANSI/BHMA 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)*	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)*	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Plug**
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

**Finish when cylinder provided with lock

HANDING

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

* Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

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Intelligent IP-Enabled Access Control

SARGENT
ASSA ABLOY

7300 SERIES MULTI-POINT LOCKS

Build Your Order String

Technology	Function	Credentials	Reader	Rose	Lever	Finish	Handing
IN	FM 7 3 2 7 7						

*If Windstorm or Blast is required, add the following before the function code:

FM - Windstorm
BL - Blast

Example: FM73277, BL73277

If neither is required, use the function code as listed above.
For additional cylinder and/or mechanical options, please refer to pages 36-39. Add the desired options to the beginning of your order string.

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Intelligent IP-Enabled Access Control

SARGENT
ASSA ABLOY

10X Line Bored Locks

Mechanical Features
- Certified ANSI/BHMA A156.2 Series 4000 Grade 1
- UL/ULC Listed for fire doors*
- Motor driven cylindrical lock
- Latch Stainless Steel, 1/2" (13mm) throw
- 2-3/4" (70mm) backset standard
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Handing easily field reversible without disassembling lock body
- Heavy duty lever spring return
- Steel mounting studs
- Not available with 10-UL-, 82-, 83-, 84- options

Shipping Weight: Approx. 9 lbs.

In Series Bored Lock Features
- Key outside always retracts latch
- Lever outside rigid except when valid credential presented, freewheeling optional
- Lever inside always retracts latch
- Guardbolt deadlocks latch
- Key override standard with #C10X-1 cylinder supplied
- Low battery (for IN120), request-to-exit (REX), Door Position (DPS), and tamper signaling standard
- Door Position Switch (DPS, P/N 52-5373) supplied

52-5373 Door Position Switch (DPS)
Supplied with IN220 bored locks
- SPST concealed switch (2-wire)
- 3/8" Diameter for wood door
- 3/4" Diameter for glass and metal door
  - Metal door adapter included

Note: The DPS is installed right above the lock faceplate and connects directly into the lock's electronics

IN120/220 10X Line bored locks are UL Certified and Listed as part of an approved assembly[1] to the following certifications and standards:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201-1994[2]
- Testing Application Standard (TAS) 202-1994[2]
- Testing Application Standard (TAS) 203-1994[2]
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

1. To meet assembly requirements, use in conjunction with doors from ASSA ABLOY Group brands CECO DOOR and CURRIES.
2. Published in the "Florida Building Code"

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

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Intelligent IP-Enabled Access Control

SARGENT
ASSA ABLOY

10X LINE BORED LOCKS

Select from the following options to order IN Series cylindrical locks:

TECHNOLOGY

120	Wi-Fi
220	PoE

FUNCTION

10XG77	Key override

CREDENTIALS

BIPS	HID Prox®, iCLASS®, iCLASS SE® (SIO-enabled), iCLASS® Seos™, MIFARE® SE, DESFire® EV1 SE, MIFARE Classic SE, DESFire EV1, DESFire EV2/3 (EV1 Compatibility), HID Mobile Access® (NFC), HID Mobile Access® (BLE), Supports the use of employee badge and/or Student ID in Apple Wallet, Android Wallet (MIFARE 2GO), PIV/PIV-I (40-bit BCD, 64-bit BCD, 75-bit, 128-bit BCD or 200-bit outputs)
BIKPS	All credentials supported by the BIPS option plus keypad.

To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Android Wallet mobile credential support, please refer to the site-specific credential ordering guide.

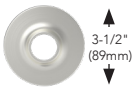
READER

B Black reader, black trim
MB Black reader, metal trim

Note: Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

ROSES

G



L

LEVERS

B L* P*

MD ND* MB

MW*

FINISH

Description		Specify
US3 (ANSI/BHMA 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

* Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

Lock Finish	Cylinder/ Core**
03, 04, 09, 10, 10BL, 10BL, 20D	04
14, 15, 26, 26D, WSP	15
BSP	BSP

**Finish when cylinder provided with lock

HANDING

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

BUILD YOUR ORDER STRING

Technology	Function	Credentials	Reader	Rose	Lever	Finish	Handing	Opening height (Inches)
IN	1 0 X G 7 7							

For additional cylinder and/or mechanical options, please refer to pages 36-39. Add the desired options to the beginning of your order string.

* Lever returns within ½" (13 mm) of door face

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Intelligent IP-Enabled Access Control

80 SERIES EXIT DEVICES

Mechanical Features
- Certified ANSI/BHMA A156.3 Grade 1
- Latch 3/4" (19mm) throw (8800: stainless steel, 8900: anti-friction brass)
- Cylinder requirements: 8800 Series uses a #34 Rim Cylinder; 8900 Series uses a #46 Mortise Cylinder (1-3/4")
- For 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- Available with Studio Collection, Coastal Series and all standard levers
- UL/ULC Listed for fire doors*

Shipping Weight: Approx. 11 lbs.

IN Series Exit Device Features
- Lever outside rigid except when in passage mode or valid user code entered
- Always allows free egress
- Request-to-Exit (REX): monitors rail position
- Low battery (for IN120), request-to-exit (REX), Door Position (DPS), and tamper signaling standard
- Door position switch (DPS, part #52-5373) supplied
- EcoFlex® technology reduces energy consumption up to 89% as certified by GreenCircle

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

Select from the following options to order IN Series exit devices:

FUNCTION

8977	Mortise lock exit device, key override
8978	Mortise lock exit device, no key override
8877	Rim exit device, key override
8878	Rim exit device, no key override

Mortise Exit

Rim Exit

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Intelligent IP-Enabled Access Control

SARGENT
ASSA ABLOY

80 SERIES EXIT DEVICES

READER

B	Black reader, black trim
MB	Black reader, metal trim

Note: Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

RAIL SIZE

E	24 - 32"
F	33 - 36"
J	37 - 42"
G	43 - 48"

ET TRIM

ET	700 Series ET Trim

CREDENTIALS

BIPS	HID Prox®, iCLASS®, iCLASS SE® (SIO-enabled), iCLASS® Seos™, MIFARE® SE, DESFire® EV1 SE, MIFARE Classic SE, DESFire EV1, DESFire EV2/3 (EV1 Compatibility), HID Mobile Access® (NFC), HID Mobile Access® (BLE), Supports the use of employee badge and/or Student ID in Apple Wallet, Android Wallet (MIFARE 2GO), PIV/PIV-I (40-bit BCD, 64-bit BCD, 75-bit, 128-bit BCD or 200-bit outputs)
BIKPS	All credentials supported by the BIPS option plus keypad.

To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Android Wallet mobile credential support, please refer to the site-specific credential ordering guide.

LEVER

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 31-34.

MD

MJ

MI

ND[2]

NJ[1]

MW[1]

PREMIUM LEVERS

RAS[2]

H001

H004

REM[2]

H002

H006

FINISH

Description		Specify
US3 (ANSI/BHMA 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)*	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)*	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

* Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

Lock Finish	Plug**
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

** Finish when cylinder provided with lock

* Exit Devices ordered in 32 or 32D will have the ET trim and lever supplied in 26 or 26D; for nickel finished ET trim, specify 14 or 15 finish and the exit will be supplied in 32 or 32D accordingly.

HANDING

LHR	Left hand reverse
RHR	Right hand reverse

DOOR WIDTH

Specify in inches

1. Lever returns within ½" (13 mm) of door face.
2. Gramercy levers are customized. See page 34 for ordering information.

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PE80 SERIES EXIT DEVICES

Mechanical Features

- Certified ANSI/BHMA A156.3 Grade 1
- Latch 3/4" (19mm) throw (PE8800: stainless steel, PE8900: anti-friction brass)
- Cylinder requirements: PE8800 Series uses a #34 Rim Cylinder; PE8900 Series uses a #46 Mortise Cylinder (1-3/4")
- For 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- Available with Studio Collection and all standard levers
- UL/ULC Listed for fire doors*
- Available with ADA Standard for Accessible Design and California Building Code.

Key Override

- Key override is available for MD/WD/AD-PE8600 CVR Devices (including NB-) with P106 Series Auxiliary Control
- Key override is available for PE8700 SVR Devices (including NB-) with a P306 Series Auxiliary Control
- The AFF is 39-5/8" for Standard Applications; when a P100 or P300 Series Auxiliary Control is used, 37 5/16" AFF is recommended to meet local accessibility standards

In Series Device Exit Features

- Lever outside rigid except when in passage mode or valid user code entered
- Always allows free egress
- Request-to-Exit (REX): monitors rail position
- Vertical rod configurations utilize Ease of Access (EA) Option with offset positioning - required
- Low battery (for IN120), request-to-exit (REX), Door Position Switch (DPS), and tamper signaling standard
- Door position switch (DPS, part #52-5373) supplied**
- EcoFlex® technology reduces energy consumption, which lowers operation cost and reduces the number of power supplies required.

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

** For Double-door applications the DPS is installed in-between the active and inactive leaves. The DPS monitors both doors, but the REX only monitors the active leaf. To prevent door-force or door-held alarms, the alarms must be disabled.

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Intelligent IP-Enabled Access Control

SARGENT
ASSA ABLOY

Select from the following options to order IN Series exit devices:

TECHNOLOGY

120	Wi-Fi
220	PoE

READER

B	Black reader, black trim
MB	Black reader, metal trim

Note: Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

RAIL SIZE

E	26" to - 32"
F	32.5" to 36"
J	36.5" to 42"
G	42.5" to 48"

FUNCTION

PE8678[1,2]	CVR exit device, no key override
PE8778[1,3]	SVR exit device, no key override
PE8877	Rim exit device, key override
PE8878	Rim exit device, no key override
PE8977	Mortise lock exit device, key override
PE8978	Mortise lock exit device, no key override

1. Less Bottom Rod (NB) option is available when ordering. Use the prefix NB in the order string for this option.
2. Key Override is available for MD/WD/AD PE8600 CVR Devices (including NB-) with a P106 Series (CVR) Auxiliary Control.
3. Key Override is available for PE8700 SVR Devices (including NB-) with a P306 Series (SVR) Auxiliary Control.

* **Note:** When ordering Concealed Vertical Rod or Surface Vertical Rod functions, door height and AFF must be specified.

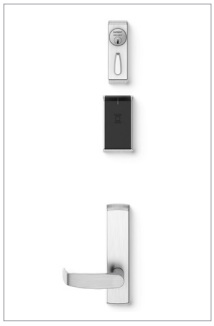
CREDENTIALS

BIPS	HID Prox®, iCLASS®, iCLASS SE® (SIO-enabled), iCLASS® Seos™, MIFARE® SE, DESFire® EV1 SE, MIFARE Classic SE, DESFire EV1, DESFire EV2/3 (EV1 Compatibility), HID Mobile Access® (NFC), HID Mobile Access® (BLE), Supports the use of employee badge and/or Student ID in Apple Wallet, Android Wallet (MIFARE 2GO), PIV/PIV-I (40-bit BCD, 64-bit BCD, 75-bit, 128-bit BCD or 200-bit outputs)
BIKPS	All credentials supported by the BIPS option plus keypad.

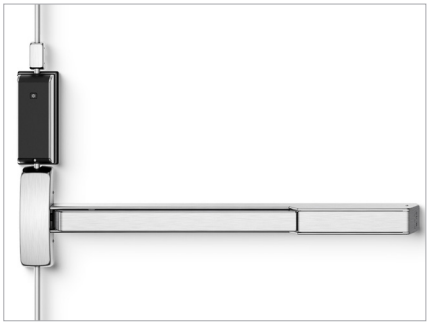
To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Android Wallet mobile credential support, please refer to the site-specific credential ordering guide.

Mortise Exit - Inside View

Mortise Exit - Outside View



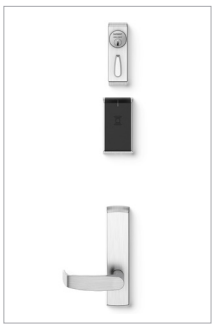
Surface Vertical Rod - Outside View[4]



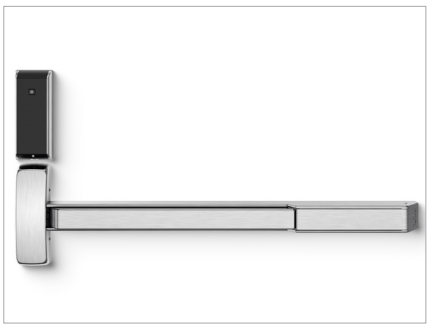
Surface Vertical Rod - Inside View

Rim Exit - Inside View

Rim Exit - Outside View



Concealed Vertical Rod - Outside View[4]



Concealed Vertical Rod - Inside View

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PE80 SERIES EXIT DEVICES

EA OPTION

Locates reader off center and closer to the push bar for Rim, SVR, and CVR devices.

Surface Vertical Rod - Outside View[4] (EA- Option)

Surface Vertical Rod - Inside View (EA-Option)

Concealed Vertical Rod - Outside View[4] (EA- Option)

Concealed Vertical Rod - Inside View (EA-Option)

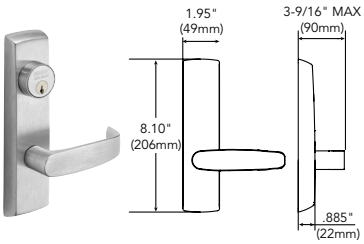
4. Exits using Key Override and Concealed or Surface Vertical Rods require an Auxiliary Control (pictured here). When ordering these exits, please include P306 for Surface Vertical Rod and P106 for Concealed Vertical Rod in your order string.
   Example: EA- SG- IN100 x ADPE8678 x P106 x BIPS x B x F x NE x L x RHR x 32D

LEVER

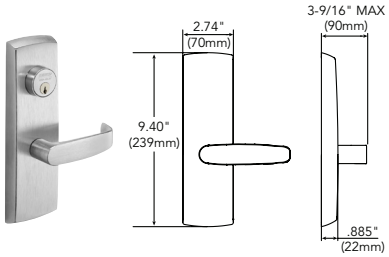
To see the complete range of available levers, please refer to pages 31-34.

EXIT TRIM

P700 NEx Lever Trim



P700 WEx Lever Trim



FINISH

Description		Specify
US3 (ANSI/BHMS 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)*	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)*	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Cylinder/ Core**
03, 04, 09, 10, 10B, 10BL	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

*Exit Devices ordered in 32 or 32D will have the ET trim and lever supplied in 26 or 26D; for nickel finished ET trim, specify 14 or 15 finish and the exit will be supplied in 32 or 32D accordingly.

**Finish when cylinder provided with lock

HANDING

LHR	Left hand reverse
RHR	Right hand reverse

DOOR WIDTH

Specify in inches

* Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

BUILD YOUR ORDER STRING

Technology	Device Function	Credentials	Reader	Rail Size	Trim	Lever	Finish	Handing	Door Width (in inches)	Door Height	AFF
IN	PE8877	BIPS	MB	F	NE	L	10BE	RHR	36"	Specify	Specify

For additional cylinder and/or mechanical options, please refer to pages 36-39. Add the desired options to the beginning of your order string.

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Intelligent IP-Enabled Access Control

SARGENT
ASSA ABLOY

RETROFIT KITS FOR VON DUPRIN® 98/99 SERIES RIM EXIT DEVICES

Mechanical Features
- Certified ANSI/BHMA A156.3 Grade 1
- Key override compatible with a variety of rim cylinders. Trim prepped for cylinder (not included)
- Requires Von Duprin RX switch assembly #050251-00 (supplied by others)
- Provides complete coverage of door prep for Von Duprin 996 trim; call 800-810-WIRE for information on door prep coverage for other trims
- Available with Studio Collection, Coastal Series and all standard levers
- UL/ULC Listed for fire doors*
- Matching dummy trim available

IN Series Exit Device Features
- Lever outside rigid except when in passage mode or valid user code entered
- Always allows free egress
- Request-to-Exit (REX): monitors rail position
- Low battery, tamper signaling standard
- Door position switch (DPS, part #52-5373) supplied

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

READER

B	Black reader, black trim
MB	Black reader, metal trim

Note: Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

FUNCTION

231	Rim exit device, key override

ESCUTCHEON

EK1	Plate for Von Duprin Retrofit Fit

CREDENTIALS

BIPS	HID Prox®, iCLASS®, iCLASS SE® (SIO-enabled), iCLASS® Seos™, MIFARE® SE, DESFire® EV1 SE, MIFARE Classic SE, DESFire EV1, DESFire EV2/3 (EV1 Compatibility), HID Mobile Access® (NFC), HID Mobile Access® (BLE), Supports the use of employee badge and/or Student ID in Apple Wallet, Android Wallet (MIFARE 2GO), PIV/PIV-I (40-bit BCD, 64-bit BCD, 75-bit, 128-bit BCD or 200-bit outputs)
BIKPS	All credentials supported by the BIPS option plus keypad.

To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Android Wallet mobile credential support, please refer to the site-specific credential ordering guide.

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Intelligent IP-Enabled Access Control

SARGENT
ASSA ABLOY

RETROFIT KITS FOR VON DUPRIN® 98/99 SERIES RIM EXIT DEVICES

LEVERS

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 31-34.

MD

MJ

MI

ND[2]

NJ[1]

MW[1]

PREMIUM LEVERS

RAS[2]

H001

H004

REM[2]

H002

H006

FINISH

Description		Specify
US3 (ANSI/BHMA 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)*	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)*	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

* Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

Lock Finish	Plug**
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

**Finish when cylinder provided with lock

HANDING

LHR	Left hand reverse
RHR	Right hand reverse

BUILD YOUR ORDER STRING

Technology	Function	Credentials	Reader	Escutcheon	Lever	Finish	Handing
IN 120	2 3 1	B I P S		E K 1			

The order string for the EK1 mechanical exit trim is: EK1 x 706-5 x Lever x Finish x Hand.

For additional cylinder and/or mechanical options, please refer to pages 36-39. Add the desired options to the beginning of your order string.

1. Lever returns within ½" (13 mm) of door face.
2. Gramercy levers are customized. See page 34 for ordering information.

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HARD POWER OPTION (91-) FOR IN120

The Hard Power option (91-) is recommended for high traffic doors or openings that require online behavior. Hard powering an IN120 allows the lock to operate in an always connected mode. The IN120 allows hard powering via an input of 9-24VDC (UL 294 Listed Power Supply Required) and draws 300mA at 9VDC in always connected mode. SARGENT offers a range of power supplies suitable for this application.

12VDC & 24VDC Power Supplies

- UL Class 2 Listed filtered and regulated supply
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED
- In the event of a DC short, the problem is confined to the zone of difficulty
- Fire alarm interface standard

McKinney ElectroLynx® hinges and harnesses are required for hard-powered IN120 applications.

52-4824 IN120 ADAPTER CABLE

- Included with 91- prefix option IN120 units
- Compatible with ElectroLynx® system
- Allows for hard powering (91-) of IN120 (required for certain monitoring features)

Please note that one electrified hinge, one door harness assembly and one frame harness assembly are required for each PoE opening.

MCKINNEY ELECTROLYNX® POE HINGES*

Description
4 ½" x 4 ½" TA2714 26D PoE (Standard Weight 5 knuckle)
4 ½" x 4 ½" T4A3786 26D PoE (Heavy Weight 5 knuckle)

MCKINNEY ELECTROLYNX® POE FRAME HARNESS

Cable Length	Harness Description
180"	PoE-C1500P

Cat5e, 24 AWG, Shielded, Stranded, 100 Ohm

*See the McKinney catalog for additional finishes and hinge types

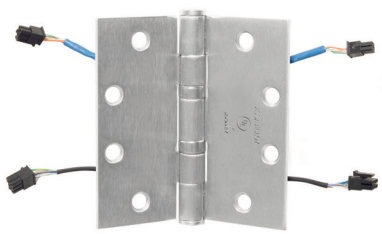
MCKINNEY ELECTROLYNX® POE DOOR HARNESSES

Door Width	Cable Length	Wood Door	Hollow Metal Door
28" to 31"	36"	PoE-C300RJ	PoE-C300PRJ
32" to 36"	42"	PoE-C306RJ	PoE-C306PRJ
37" to 42"	48"	PoE-C400RJ	PoE-C400PRJ
43" to 48"	54"	PoE-C406RJ	PoE-C406PRJ

All are Cat5e, 26 AWG, Shielded, Stranded, 100 Ohm

POE HINGES FOR IN220

The PoE door & frame harnesses can accommodate a variety of new (with raceway) and retrofit applications.



Patented

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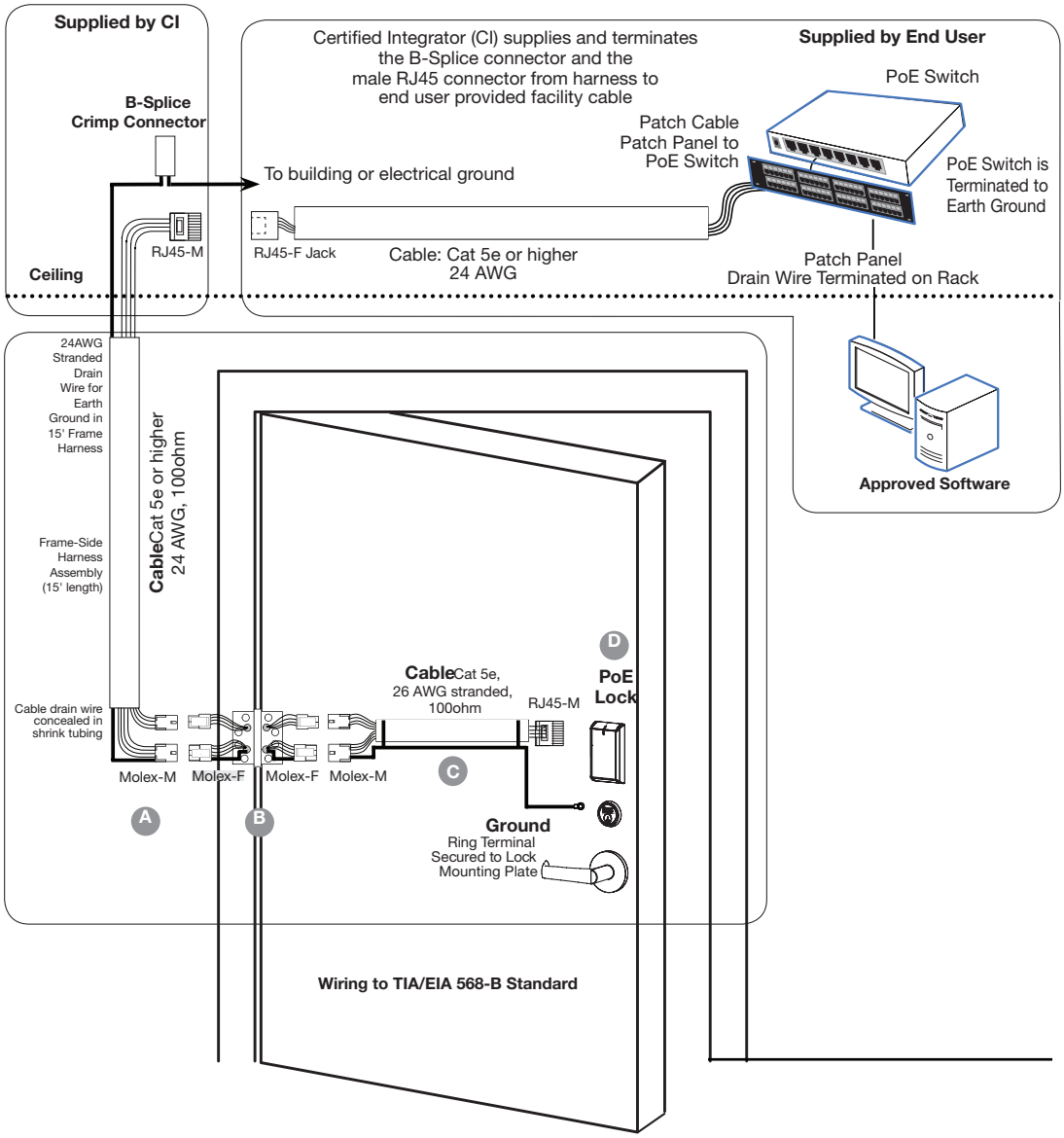
IN220 POE SYSTEM ARCHITECTURE



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ACCESSORIES AND SOFTWARE

Cover Plate Kits

79-5000 32D	Mortise lock, IN120/IN220-82276 (key override, with deadbolt), 32D finish
79-5001 32D	Mortise lock, IN120/IN220-82277 (no key override, with deadbolt), 32D finish
79-5002 32D	Mortise lock, IN120/IN220-7978/82278 (key override, no deadbolt), 32D finish
79-5003 32D	Mortise lock, IN120/IN220-7979/82279 (no key override, no deadbolt), 32D finish
10-5008 32D	Cylindrical lock, IN120/IN220-10XG77 (with key override), 32D finish

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Intelligent IP-Enabled Access Control

LOCK MANAGEMENT TOOL™

Lock Management Tool™ (LMT) allows for programming, interrogation and overall management of ASSA ABLOY IP-Enabled locks from a centralized location for up to 50 doors. LMT communicates with Assa Abloy IN Series Intelligent IP-Enabled locks using a sites existing POE (IEEE 802.11af) or Wi-Fi® 4 (2.4/5 GHz dual-band) infrastructure. LMT allows administrators to establish multiple system user roles, time zones, holidays, access groups, auto-unlock periods, and to obtain transaction history from all locks connected to the system. LMT is a server based installation with all daily administration and configuration being done through a web browser.

For more information on LMT Features and requirements, please contact your local ASSA ABLOY DSS representative.

Features	Benefits
Intuitive browser-based application	• Easily accessible from any location • Needs little or no training
Auto-discovery	• Simplifies configuration of new devices
Complete customization	• Provides flexibility to suit staff needs
Configurable alarm notification via client application, web browser and email	• Enables immediate response to events
Advanced reporting tool	• Provides complete system visibility and flexible reporting options
Role-based security	• Facilitates granting and revoking privileges
Escape Return functionality	• Offers compliance for residential requirements in Canada

REQUIREMENTS:

- Hardware:
  - Memory: 16 GB Minimum
  - Storage: 50 GB available or more as needed
  - Processor: 3 GHz or faster Dual-core minimum
- Supported Operating Systems:
  - Windows Server 2019 & 2022
- Supported Databases: Microsoft SQL Server 2019 & 2022

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Intelligent IP-Enabled Access Control

INTEGRATION TOOLS FOR ASSA ABLOY LOCKS

ASSA ABLOY electronic access control locks integrate with a range of industry-leading access control systems. For more information on which systems support our IP-enabled locks, please contact your local ASSA ABLOY Door Security Solutions office, www.assaabloydss.com.

To learn more about how to integrate these and other ASSA ABLOY products with your system, please call 800-810-WIRE.

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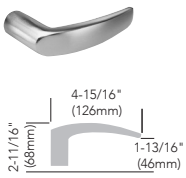
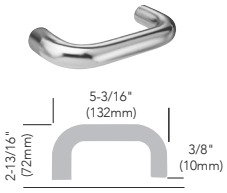
STANDARD LEVERS (7900 Series Mortise Locks)

- All levers meet ADA national code requirements
- Lever designs BJ, BL and BP have lever returns within 1/2" (13mm) of door face
- Levers BB, BL, BJ & BP are only available with the O rose

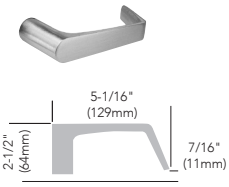
BB



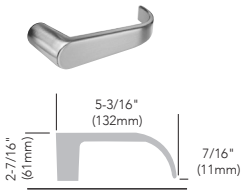
BJ



BL



BP

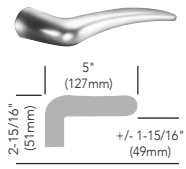


STANDARD LEVERS

(8200 Series Mortise Locks, 80 and PE80 Series Exit Devices, and 7300 Series Multi-Point Locks)

- All levers meet ADA compliance for national codes
- Solid forged or cast
- Lever designs J, L and P have lever returns within 1/2" (13mm) or less of door face and meet California State Reference Fire Code
- All lever height (+/- 1/16") measurements represent total distance from door face

A



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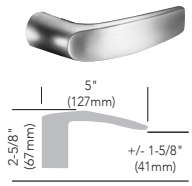

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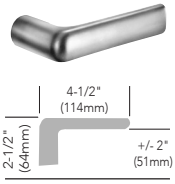

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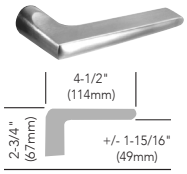
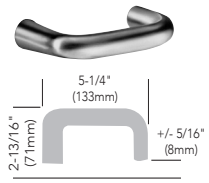


J



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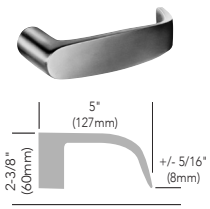
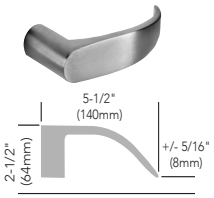


P



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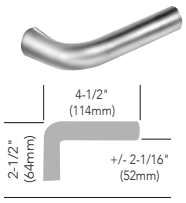

Standard lever options are only available with O roses.

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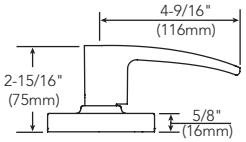
Intelligent IP-Enabled Access Control

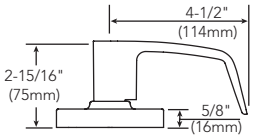
STANDARD LEVERS (10X Line Bored Locks)

- All levers meet ADA compliance for national codes
- Solid cast
- Lever designs L, P, ND, MW have lever returns within 1/2" (13mm) or less of door face and meet California State Reference
  Fire Code
- All lever height (+/- 1/16") measurements represent total distance from door face

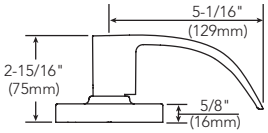
B



L

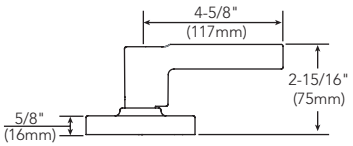


P

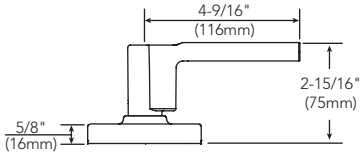


DECORATIVE LEVERS (10X Line Bored Locks)

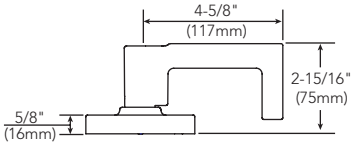
MD



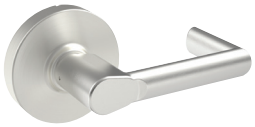
MB

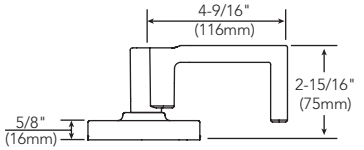


ND



MW



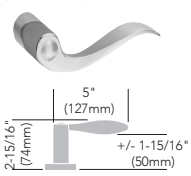


The Coastal Series™

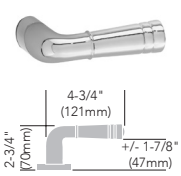
(Mortise Locks, 80 and PE80 Series Exit Devices, and 7300 Series Multi-Point Locks)

- All levers meet ADA compliance for national codes
- Not available with CO and TO roses
- Levers are solid cast brass
- Finishes available — 3, 4, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D
- All lever height (+/- 1/16") measurements represent total distance from door face

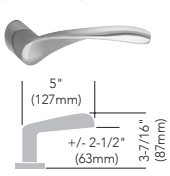
G - Gulfport™
(Handed)



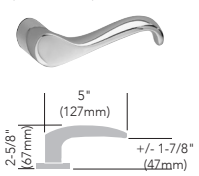
R - Rockport™



S - Sanibel™
(Handed)



Y - Yarmouth™
(Handed)



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Intelligent IP-Enabled Access Control

SARGENT
ASSA ABLOY

Studio Collection trim is available in a broad array of designs and finishes. It allows for uniformity throughout a facility using the 8200 and 7900 Series Mortise Locks, Access Control Products, 80 and PE80 Series Exits Devices, DL Series Tubular Locks, and 7300 Series Multi-Point Locks.

All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.

WOOSTER SQUARE SERIES

H001

H002²

H003

H004

H005²

H006²

AVENTURA SERIES

MB

ME

MF

NF

MG

MI

MW²

GRAMERCY SERIES[3]

RCM

RAL

REM

RAM

RAS

RAG

RGM

CENTRO SERIES

MD

MJ

MP [1]

ND²

NJ²

ODÉON SERIES[1,4] (HANDED LEVERS)

MN

MH

MS

MU

MV

NU²

WG

NOTTING HILL SERIES (MA AND MO ARE NON-HANDED LEVERS)

MA

MQ

MT

MO

MZ²

GT

BERLIN SERIES

H015

H016²

H017

H018

GRANT PARK SERIES (H008 IS HANDED)

H007

H008

H011

1. Contact factory for current lead times. Not available in stainless steel finishes.
2. Lever returns within 1/2" (13mm) of door face
3. Gramercy levers are customized. See page 34 for ordering information.
4. Odéon Series are not available in 32D

Note: H003 - H006 contains white or black polycarbonate insert

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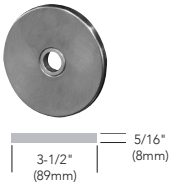
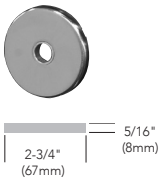
Intelligent IP-Enabled Access Control

STANDARD ROSES (7900 and 8200 Series Mortise Locks)

L



O



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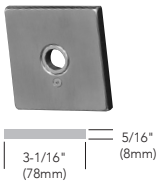
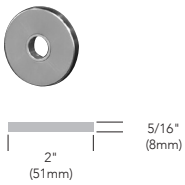
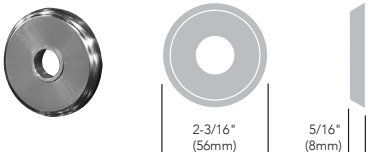


LN

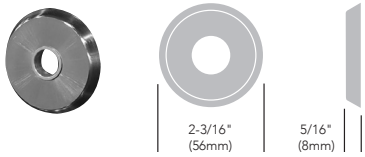


COSTAL SERIES ROSES (7900 and 8200 Series Mortise Locks)

TR Traditional Rose
(Dual radii edge)



CR Contemporary Rose
(Beveled edge)



AVALIABLE FINISHES

03 Polished Brass

04 Satin Brass

09 Polished Bronze

10 Satin Bronze

10B Oxidized Bronze

10BE Dark Oxidized Satin Bronze — equivalent

10BL Oxidized Satin Bronze

20D Statuary Dark Bronze

14 Polished Nickel

15 Satin Nickel

26 Polished Chrome

26D Satin Chrome

32 Polished Stainless Steel

32D Satin Stainless Steel

BSP Black Suede Powder Coat

WSP White Suede Powder Coat

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Intelligent IP-Enabled Access Control

SARGENT
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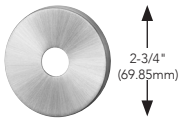
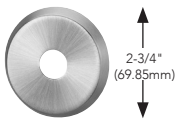
STUDIO COLLECTION TRIM

Roses (7900, 8200, and 7300 Series Multi-Point Locks)

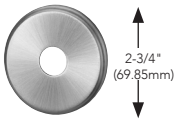
O



CO

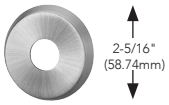


TO

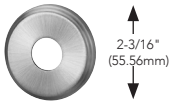


LN

CR



TR



E2[1]
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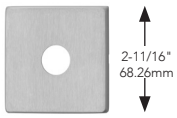

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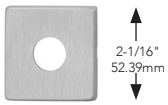
(Handed)



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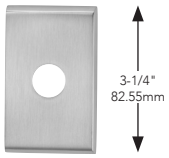


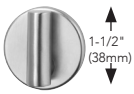
THUMBTURNS (7900, 8200, and 7300 Series Multi-Point Locks)

Thumbturn backplate will match rose design chosen. Specify T1, T2 or T3 as a prefix option for decorative turns.

T1

T2

T3



1. 1KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.

AVALIABLE FINISHES

03 Polished Brass

04 Satin Brass

09 Polished Bronze

10 Satin Bronze

10B Oxidized Bronze

10BE Dark Oxidized Satin Bronze — equivalent

10BL Oxidized Satin Bronze

20D Statuary Dark Bronze

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32D Satin Stainless Steel

BSP Black Suede Powder Coat

WSP White Suede Powder Coat

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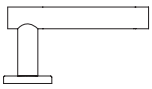
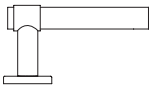
ORDERING GRAMERCY SERIES LEVERS

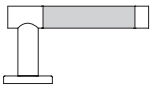
REM, RGM



RCM



RAG, RAL, RAM, RAS



GRAMERCY FINISH CODES

BHMA Finish	Sargent Finish	Gramercy Code	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

GRAMERCY LEVER DESCRIPTIONS AND AVAILABLE FINISHES

Lever Designation	Lever Description	Available Finishes (As Ordered)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK, 30BN, 29BK, 29BN, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Metallic Insert	2930 or 3030
RAS	Santoprene Insert	30BK, 29BK, 3E3E, BSBS or WSWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2929, 3030, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

**Two-tone finish — grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32.

When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629.

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REPLACEMENT PARTS

READER MODULES**[1]

Part Number	Description
IN120-EM01-[credentials]-[reader]	See below for credentials and reader code

CREDENTIALS

BIPS	HID Prox®, iCLASS®, iCLASS SE® (SIO-enabled), iCLASS® Seos™, MIFARE® SE, DESFire® EV1 SE, MIFARE Classic SE, DESFire EV1, DESFire EV2/3 (EV1 Compatibility), HID Mobile Access® (NFC), HID Mobile Access® (BLE), Supports the use of employee badge and/or Student ID in Apple Wallet, Android Wallet (MIFARE 2GO), PIV/PIV-I (40-bit BCD, 64-bit BCD, 75-bit, 128-bit BCD or 200-bit outputs)
BIKPS	All credentials supported by the BIPS option plus keypad.

To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Android Wallet mobile credential support, please refer to the site-specific credential ordering guide.

READER

B	Black reader, black trim
MB	Black reader, metal trim

Note: Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

REPLACEMENT KITS

Part Number	Description
IN120-EM07-B	Wi-Fi replacement kit (controller, plate, cover); black
IN120-EM07-MB-[finish][2]	Wi-Fi replacement kit (controller, plate, cover); black with metal trim
IN220-EM07-B	PoE replacement kit (controller, plate, cover); black
IN220-EM07-MB-[finish][2]	PoE replacement kit (controller, plate, cover); black with metal trim

INSIDE ESCUTCHEON[1]

Part Number	Description
IN120-EM02-B	Black
IN120-EM02-MB-[finish][2]	Black with metal trim

52-5373 DOOR POSITION SWITCH (DPS)1

Description
SPST concealed switch (2 wire)
Metal door adapter included
3/8" diameter for wood door
3/4" diameter for metal door
Supplied with IN120/IN220 (all locks except 8200 & FM7300)

CONTROLLERS & CONTROLLER MOUNTING KIT

Part Number	Description
IN120-EM03	Wi-Fi Controller
IN220-EM03	PoE Controller
IN120-EM04[1]	Inside Mounting Kit (mounting plate and hardware)

LOCKBODIES[1]

Part Number	Description
IN120-7978-[finish][2]-[handing]	7900 mortise lockbody with cylinder (no deadbolt)
IN120-7979-[finish][2]-[handing]	7900 mortise lockbody only (no deadbolt, no cylinder)
IN120-82276-[finish][2]-[handing]	8200 mortise lockbody with deadbolt and cylinder
IN120-82277-[finish][2]-[handing]	8200 mortise lockbody with deadbolt (no cylinder)
IN120-82278-[finish][2]-[handing]	8200 mortise lockbody with cylinder (no deadbolt)
IN120-82279-[finish][2]-[handing]	8200 mortise lockbody only (no deadbolt, no cylinder)
10-3767	Cylindrical lockbody, Std/Rigid Lever (1-3/8"-2" Door)
10-3768	Cylindrical lockbody, Freewheeling Lever (1-3/8"-2" Door)
10-3801	Cylindrical lockbody, Std/Rigid Lever (2-1/4" Door)
10-3802	Cylindrical lockbody, Freewheeling Lever (2-1/4" Door)

1. Reader modules, inside escutcheons, mounting kit, lockbodies, and door position switch can be used for both IN120 and IN220
2. Specify finish

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MECHANICAL OPTIONS

Strike Options	29-	Strike #800. Lip length 1-1/4". Lip lengths 1" to 2" in 1/4" increments only.
	WBS-	Wrought Box Strike
10X Line Backset Options	20-	2-3/8" Backset Latch with 1" Front
	23-	3-3/4" Backset x 2-1/4" x 1-1/8" Front (10X Line only)
	25-	5" Backset x 2-1/4" x 1-1/8" Front (10X Line only)
Security Fasteners	36-	Six lobe security head screws
	37-	Spanner head screws
3/4" Latch Throw	41-	3/4" (19mm) throw latch x 2-3/4" (70mm) backset (10X Line only)
Tactile Warning Options	75-	Tactile Warning — Milled Inside Lever (Not available with Studio and Coastal Levers and the A Lever)
	76-	Tactile Warning — Milled Outside Lever (Not available with Studio and Coastal Levers and the A Lever)
	77-	Tactile Warning — Milled Inside and Outside Lever (Not available with Studio and Coastal Levers and the A Lever)
	85-	Tactile Warning — Abrasive Coating on Inside Lever
	86-	Tactile Warning — Abrasive Coating on Outside Lever
	87-	Tactile Warning — Abrasive Coating on Inside and Outside Lever
Finish Protection	CPC-	Clear Powder Coat (Available for 26, 26D, 32 and 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Available with 15, 26D, and 32D finishes)
Thumbturns (See Page 33)	T1-	Decorative thumbturn; backplate matches rose design chosen
	T2-	Decorative square thumbturn; backplate matches rose design chosen
	T3-	Decorative cylinder thumbturn; backplate matches rose design chosen
Outside Locked Levers	FW-	Freewheeling locking levers
Keyed Different	KD-	Cylinders provided keyed differently/random
Pe80 Series Options	EA-	Ease of Access (Optional for PE8600, PE8700, and PE8800)

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CYLINDER OPTIONS

Conventional Cylinder	—	SARGENT Conventional Cylinders supplied Standard (Nomenclature not required)
Signature Key System	10-	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature: Large Format Interchangeable Core (Removable Core)	10-63-	SARGENT Signature LFIC (Removable Core) Cylinder
Xc- Key System	11-	XC Key System (not available with 10-, 10UL options)
	11-21-	XC- Construction Key System (Lost Ball)
Xc- Large Format Interchangeable Core (Removable Core)	11-60-	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic core — provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)
Xc- Small Format Interchangeable Core	11-70-7P-	Hardware to accept XC- SFIC (7 Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P-	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core (Packed Loose)
Construction Key Systems	21-	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63-, 73-, 82-, SC- & SE-)
Old Style Removable Core	51-	Removable Core Cylinder (Old Style) provided (Existing Systems Only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (Existing Systems Only)
Large Format Interchangeable Core (Removable Core)	60-	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable plastic Core provided (Permanent Cores Ordered Separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered separately)

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CYLINDER OPTIONS

Small Format Interchangeable Cores	70-	Hardware to accept 6 or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core Ordered Separately)
	73-	Hardware supplied with 6-Pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) Core (Packed loose for field keying)
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) Core (Packed loose for field keying)
	73-7P-	Hardware supplied with Small Format 7 Pin Interchangeable Core (Includes masterkeying, grand masterkeying)
Keso & Keso F1	81-	Hardware provided with housings to accept Keso (83) and Keso F1 (F1-83-) removable cores (Not available with 10X Line) (Permanent Cores Ordered Separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder (Not available with 10X Line)
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10X Line) (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Not available with 10X Line) (Permanent Cores ordered separately)
Bump Resistant	BR-	Bump Resistant Cylinder (Available with Conventional and Conventional XC Cylinders Only)
Less Cylinder	LC-	Hardware supplied less cylinder
Accepts Schlage Cylinders	30-	10X Line Lever to accept Schlage® fixed core Cylinder-Cylinder is not provided (10X Line only)
	SF-	10X Line L, B or P lever to accept Schlage® large format interchangeable core (supplied less core, tailpiece included).
Schlage Keyways	SC-	Schlage® C keyway cylinder, 0 bitted
	SE-	Schlage® E keyway cylinder, 0 bitted
Accept ASSA ABLOY ASCCCENTRA® Cylinder/Cores	YC-	10X Line lever to accept Corbin Russwin or ASSA ABLOY ACCENTRA™ 6-pin fixed core cylinder - less cylinder, tailpiece provided (all designs)
	YC-7P-	10X Line lever to accept Corbin Russwin or ASSA ABLOY ACCENTRA™ 7-pin fixed core cylinder - less cylinder, tailpiece provided (all designs)
	YRC-	10X Line L or P Lever to accept ASSA ABLOY ACCENTRA™ 6-pin large format interchangeable core (supplied less core, but with tailpiece needed)

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CYLINDER OPTIONS

Degree Cylinders	DG1-	SARGENT Degree Key System Level 1 (Bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG2-	SARGENT Degree Key System Level 2 (Geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG3-	SARGENT Degree Key System Level 3 (Geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
	DG3-65-	Degree Level 3 Unassembled/Uncombined Core

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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SARGENT®
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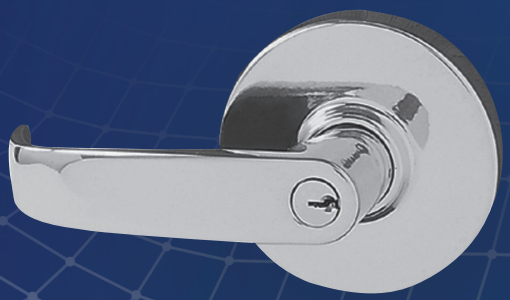
PRODUCT CATALOG

Keypad (KP) Series Standalone Access Control Products



Experience a safer
and more open world

Standalone Access Control Products

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

MICROSHIELD®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

MICROSHIELD® COATING

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

agion Nature's antimicrobial The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

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WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

On The Cover

SARGENT KP10G77

Overview and Features

OVERVIEW

The KP Series Keypad locks are designed for openings that require standalone, basic authorized entry capabilities. They are battery powered, motor driven, self contained locks that use a microprocessor based controller with non-volatile memory. All programming is done at the door using the keypad with functions selected by the user according to opening requirements.

Combined with the physical security of an ANSI/BHMA Grade 1 mechanical locking mechanism (cylindrical, mortise or exit device), these locks provide the security and functionality needed to control access to storerooms, offices, stairwells, conference rooms and restrooms. With the cylinder override feature, the keypad lock can be readily integrated into a new or existing master keyed system.

FEATURES OF THE KEYPAD OPERATED PRODUCTS

- Non-volatile memory
- All programming at keypad
- Keypad made of ultraviolet stable textured material
- Operating temperature for keypad: 4°F – 140°F
- Adjustable unlock time
- LEDs on keypad
  - Green indicates unlocked
  - Yellow indicates programming mode
  - Flashing green and solid yellow indicates deadbolt thrown
- Use on exterior doors with weatherseal gasket and shroud
- UL Listed for fire doors (12 - required for KP8800/8900 Series)
- UL Listed to Canadian safety standards
- Built-in remote “Request to Enter” requires wire harness (52-2071)
- User Codes - over 1,100,000 possible user combinations
  - 100 user codes
  - Operates utilizing any one to six digits per code - digits may be repeated or start with “0”
  - One master code - assigns emergency, supervisory and user codes, allows access during low battery
  - One emergency code - allows entry when deadbolt is thrown (KP8276/KP8277) or during low battery
  - One supervisory code - allows temporary lockout of selected users, changes unlock time duration, requests infrared interrogation output, and may add user codes
  - “One time” user codes allows visitors “one time” entry
  - Entry of three wrong user codes in succession disables all codes for ten seconds
  - Unit can be put in “passage only” mode at keypad
- Low battery indication - four chirps after code entry
- Operates with 4 “C” alkaline batteries (included)
- Typical 40,000 operations per set of batteries

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10X Line Cylindrical Locks

The Keypad Operated Products 10X Line Cylindrical lock is available with a wide selection of lever designs and hardware finishes. Its unique design provides uniformity when used with other SARGENT locks at a facility. The KP products offer economical, standalone access control solutions.

FEATURING ECOFLEX®

- Reduces energy consumption up to 92%, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

MECHANICAL FEATURES

- Certified ANSI/BHMA A156.2 Series 4000 - Grade 1
- UL listed to U.S.A. and Canadian safety standards Listed for 3 hour doors (double doors require 41 - option)
- EcoFlex® motor driven 10X Line cylindrical lock
- Latchbolt brass, 1/2" (13mm) throw; UL Listed 3/4" (19mm) throw (41- option) available
- 2-3/4" (70mm) backset standard. Consult factory for other backsets available
- Non handed
- Heavy duty lever spring return rose assembly
- Steel spacer bushing and extended one-piece bearing sleeves
- Steel mounting studs
- Key override standard
- Includes code to activate horn when keypad buttons are pushed
- Not available with 82-, F1-82, 83-, F1-83, or 84- options
- For 1-3/4" (44mm) thick doors standard
- Freewheeling levers optional

KP10XG77 ENTRY LOCK WITH CYLINDER

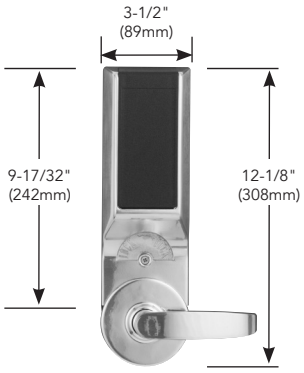
- Lever inside always retracts latchbolt
- Key outside retracts latchbolt
- Outside lever rigid except when in passage mode or valid user code entered

CYLINDRICAL LOCK FUNCTIONS

	Then select:		
If the lock needs to have:	**Series**	**Type**	**Function**
Cylinder override standard feature	KP	10X	G77

INSIDE ESCUTCHEON

- Zinc die cast
- Projection at bottom 9/32" (7mm)
- Projection at top 2-1/8" (54mm)
  9-17/32" (242mm) Inside Escutcheon



ORDERING KP CYLINDRICAL LOCKS

Options	Series	Type	Function	Roses	Levers	Finish	Hand
Select from pages 14-16	Select from KP Cylindrical Lock Function chart above			Select rose from page 11, lever from pages 10, 12, and finish from page 10			RHR, LHR, RH or LH
23-	**KP-10XG77**			**G**	**L**	**03**	**RH**

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8200 Series Mortise Locks

The Keypad Operated Products motorized 8200 Series Mortise Lock has a clean, crisp design and is available with the SARGENT Studio Collection, Coastal Series and traditional lever designs along with a full array of finishes. The mortise locks offer economical access control solutions for stand-alone applications. The mortise locks are available with or without deadbolt and with or without cylinder override. KP Series mortise locks feature Ecoflex® technology for improved battery life.

MECHANICAL FEATURES

- Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1 with all standard trims
- Motor driven 8200 Series mortise lock
- Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch
- Stainless steel non-handed auxiliary deadlatch
- Specify hand on order. Easily field reversible without disassembling lock body
- Includes code to activate horn when keypad buttons are pushed
- Lever trim through-bolted for increased security and durability
- 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- 4-3/4" (121mm) minimum stile for electrical function locks

KEYPAD OPERATED PRODUCTS MORTISE LOCK FUNCTIONS

All KP Mortise functions feature:
- Deadlatch deadlocks latchbolt
- Inside lever retracts latchbolt (and deadbolt simultaneously) at all times

Cylinder Override Function features:
- Key outside retracts latchbolt
- Cylinder override requires a #41 Cylinder (1-1/8")

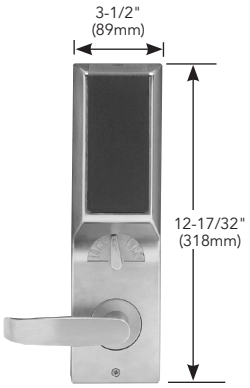
Deadbolt Function features:
- When deadbolt thrown, outside lever operable only with Emergency or Master code
- 1" hardened stainless steel deadbolt
- Thumbturn retracts and projects deadbolt

MORTISE LOCK FUNCTIONS

	Then select:		
If the lock needs to have:	**Series**	**Type**	**Function**
Cylinder override and deadbolt	KP	82	76
Cylinder override and no deadbolt	KP	82	78
Deadbolt and no cylinder override	KP	82	77
No deadbolt and no cylinder override	KP	82	79

INSIDE ESCUTCHEON

- Zinc die cast
- Projection at bottom 9/32" (7mm)
- Projection at top 2-1/8" (54mm)



ORDERING KP MORTISE LOCKS

Options	Series	Type	Function	Roses	Levers	Finish	Hand
Select from pages 14-16	Select from KP Mortise Lock Function chart above			Select rose from page 11, lever from pages 10, 12, and finish from page 10			RHR, LHR, RH or LH
3-10-	**KP-8276**			**LN**	**MD**	**26D**	**RH**

ACCESSORIES

Mortise Cover Plate Kits (Includes 1 O/S Plate & 1 I/S Plate):

81-4834-32D	KP Cover Plate Kit 8276/8278
81-4835-32D	KP Cover Plate Kit 8277/8279

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80 Series Exit Devices

SARGENT
ASSA ABLOY

The Keypad Operated Products 80 Series Exit Devices provide economical access control in many different environments.

Mechanical Features:

- Certified to ANSI/BHMA A156.3 Grade 1 requirements
- Latchbolt 3/4" (19mm) projection
- Cylinder override use 34 rim cylinder, 8877; 46 mortise cylinder, 8977
- 8977 not available with 70-, 72-, 73-, 73-7P-, SC- or SE- options
- Includes code to activate horn when keypad buttons are pushed
- Center Case Chassis – non ferrous alloy (except 12-KP8877 & 12-KP8878)
- KP Rim Devices use 649 strike and KP Mortise Lock Devices use C908 strike
- Rim exit devices are non handed; mortise exits are handed

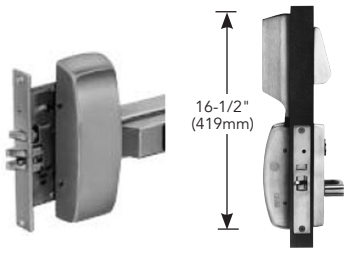
All KP Exit Devices feature:

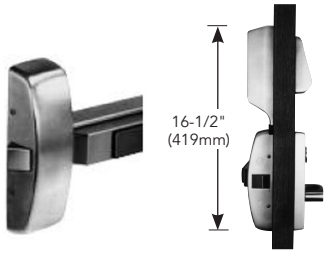
- Push Rail always retracts latchbolt allowing free egress
- Lever outside active in "passage" mode or with valid user code

Rail Sizes:

E Rail - 24" to 32" Doors
F Rail - 33" to 36" Doors
J Rail - 37" to 42" Doors
G Rail - 43' to 48" Doors

Exit Device Functions

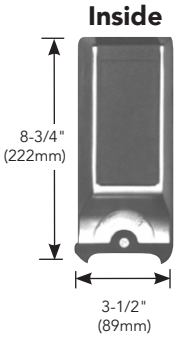




	Mortise Exit			Rim Exit		
	Then select:			Then select:		
If the lock needs to have:	**Series**	**Type**	**Function**	**Series**	**Type**	**Function**
Cylinder override	KP	89	77	KP	88	77
No cylinder override	KP	89	78	KP	88	78

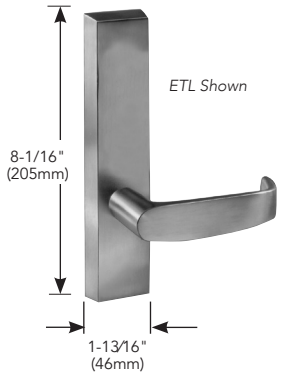
ESCUTCHEON

- Zinc die cast
- Fits above the center chassis cover
- Projection at top 2-1/8" (54mm)



OUTSIDE ET LEVER CONTROL

- Cast escutcheon
- KP8877 uses 777-8 ET control
  KP8878 uses 778-8 ET control
- KP8977 uses 777 ET control
  KP8978 uses 778 ET control



ORDERING KP EXIT DEVICES

Options	Series	Type	Function	Rail	Trim / Lever	Hand	Finish	Door Width
Select from pages 14-16	Select Device Type, Function & Rail Size from chart above				ET followed by lever designation from pages 8-13	RHR or LHR	Select from page 10	If supplied, rails will be cut to size
12-	**KP-8877F**				**ETL**	**RHR**	**32D**	**36"**

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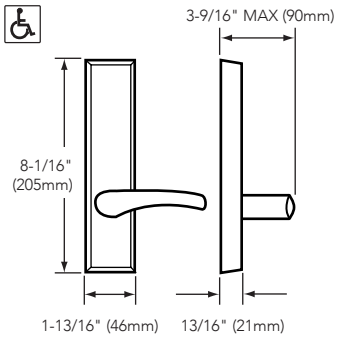
80 Series ET Trim and Handing

ET LEVER TRIM FOR EXIT DEVICES



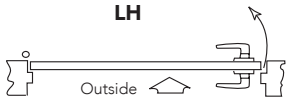
The 700 Series ET and Lever Control is the external trim with all KP-80 Series exit devices

ET Escutcheons and levers are plated brass

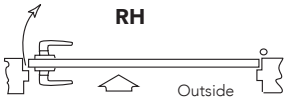
Stainless steel levers are available

Note: Exit devices are only available with ET Trim

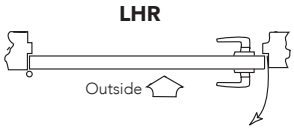
HANDING



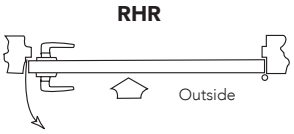
Left Hand Door



Right Hand Door



Left Hand Reverse Door



Right Hand Reverse Door

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PE80 Series Exit Devices

The Keypad Operated Products PE80 Series exit devices provide economical access control in many different environments.

Mechanical Features:

- Certified to ANSI/BHMA A156.3 Grade 1 requirements
- Latchbolt 3/4" (19mm) projection
- Cylinder override use 34 rim cylinder, PE8877; 46 mortise cylinder, PE8977
- PE8977 not available with SC- or SE- options
- Includes code to activate horn when keypad buttons are pushed
- Center Case Chassis – non ferrous alloy (except 12-KP-PE8877 & 12-KP-PE8878)
- KP Rim Devices use 649 strike and KP Mortise Lock Devices use C908 strike
- Rim exit devices are non handed; mortise exits are handed

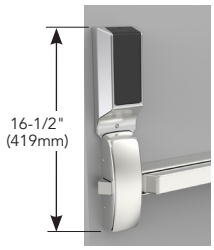
All KP Exit Devices feature:

- Push Rail always retracts latchbolt allowing free egress
- Lever outside active in "passage" mode or with valid user code

Rail Sizes:

E Rail - 24"to 32" Doors
F Rail - 32.5" to 36" Doors
J Rail - 33.5" to 42" Doors
G Rail - 42.5" to 48" Doors

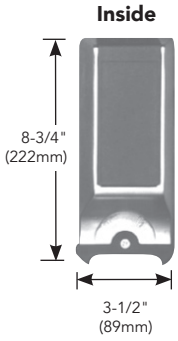
Exit Device Functions



	Mortise Exit			Rim Exit		
	Then select:			Then select:		
If the lock needs to have:	**Series**	**Type**	**Function**	**Series**	**Type**	**Function**
Cylinder override	KP	PE89	77	KP	PE88	77
No cylinder override	KP	PE89	78	KP	PE88	78

ESCUTCHEON

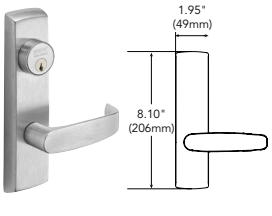
- Zinc die cast
- Fits above the center chassis cover
- Projection at top 2-1/8" (54mm)



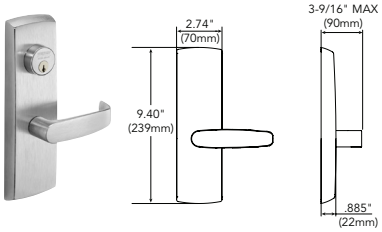
OUTSIDE EXIT LEVER TRIM

- Cast escutcheon
- KP-PE8877 uses P777-8 Lever Trim
  KP-PE8878 uses P778-8 Lever Trim
- KP-PE8977 uses P777 Lever Trim
  KP-PE8978 uses P778 Lever Trim

P700 NEx Lever Trim



P700 WEx Lever Trim



ORDERING KP EXIT DEVICES

Options	Series	Type	Function	Rail	Trim / Lever	Hand	Finish	Door Width
Select from pages 14-16	Select Device Type, Function & Rail Size from chart above				NE or WE followed by lever designation from pages 8 - 11	RHR or LHR	Select from page 10	If supplied, rails will be cut to size
12-	**KP-PE8877 F**				**WEL**	**RHR**	**32D**	**36"**

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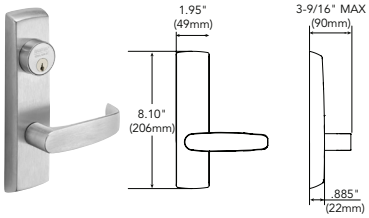
PE80 Series Lever Trim and Handing

P700 LEVER TRIM FOR EXIT DEVICES

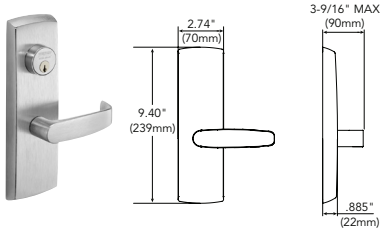
The P700 Series lever trim is the external trim with all KP-PE Series exit devices
Escutcheons and levers are plated brass
Stainless steel levers are available

Note: Exit devices are only available with Lever Trim

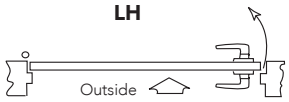
P700 NEx Lever Trim



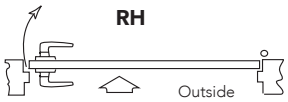
P700 WEx Lever Trim



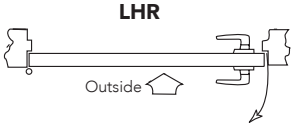
HANDING



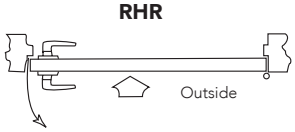
Left Hand Door



Right Hand Door



Left Hand Reverse Door



Right Hand Reverse Door

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Finishes, Standard and Coastal Series Levers

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FINISHES

SARGENT offers many different finishes for KP products. Please reference the chart below for finishes available.

	Finishes	ANSI	Mortise Locks	Cylindrical Locks	Exit Devices
03	Bright brass	605	X	X	X
04	Satin brass	606	X	X	X
09	Bright bronze	611	X	X	X
10	Satin bronze, clear powder	612	X	X	X
10B	Oxidized satin bronze oil rubbed	613	X	X	X
10BE	Dark Oxidized Satin Bronze — equivalent	613E	X	X	X
10BL	Oxidized satin bronze, clear powder coat	–	X	X	X
14‡	Bright nickel, clear coated	618	X	X	X
15‡	Satin nickel, clear coated	619	X	X	X
26‡	Bright chrome	625	X	X	X
26D‡	Satin chrome	626	X	X	X
32	Bright stainless steel	629	–	–	X
32D	Satin stainless steel	630	–	–	X
BSP	Black suede powder coat	BSP	X	X	X
WSP	White suede powder coat	WSP	X	X	X

‡ Exit Devices ordered in 32 or 32D will have lever trim supplied in 26 or 26D; for nickel finished lever trim, specify 14 or 15 finish and the exit will be supplied in 32 or 32D accordingly.

KP Series products are available with the following identified lever designs to provide uniformity throughout a facility. Lever projection from door surface varies with lock type. KP mortise locks and cylindrical locks are specified by rose design followed by the lever designation (e.g., LNMX). KP Exit devices are specified by the ET designation followed by the lever designation (e.g., ETMX).

LEVERS

Standard Levers					
Lever	**Design**	**Handed**	**Mortise Locks**	**Cylindrical Locks**	**Exit Devices**
A		Yes	X		X
B		–	X	X	X
E		–	X		X
F		–	X		X
L		–	X	X	X
P		–	X	X	X
W		–	X		X

Note: KP-8200 mortise locks with standard levers are available with LN and O roses only (not available with CO, CR, TO & TR roses)

Coastal Levers					
Lever	**Design**	**Handed**	**Mortise Locks**	**Cylindrical Locks**	**Exit Devices**
G		Yes	X		
R		–	X		X
S		Yes	X		X
Y		Yes	X		X

Note: KP-8200 mortise locks with Coastal Series levers are available with CR & TR roses (Not available with LN, O, CO & TO roses)

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Rose and Thumbturn Designs

ROSES

Roses	Design	Diameter	Mortise Locks	Cylindrical Locks
LN		2"	X	
CR		2-3/16"	X	
TR		2-3/16"	X	
O		2-3/4"	X	
E2		2-11/16"	X	

Roses	Design	Diameter	Mortise Locks	Cylindrical Locks
E3		2-1/16"	X	
CO		2-3/4"	X	
TO		2-3/4"	X	
L		3-1/2"		X
G		3-1/2"		X

THUMBTURNS

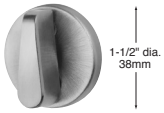
The thumbturn backplate will match the rose design chosen. The turn designation must be specified as an option before the lock order string.
*The standard thumbturn will be supplied if T1, T2 or T3 are not listed. See page 10 in the 8200 mortise lock catalog for more information.

T1 Turn

T2 Turn

T3 Turn

Standard Turn*



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Studio Collection Levers

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The Studio Collection Levers can be equipped with either the 10X Line Bored Locks or the 8200 Series Mortise Locks. Additionally, when paired with the Exit Device, the Studio Collection offers the ET trim option, ensuring a consistent and uniform appearance throughout the entire facility.

Aventura Series					
Lever	Design	Handed	Mortise Locks	Cylindrical Locks	Exit Devices
MB		–	X	X	X
ME		–	X	–	X
MF		–	X	–	X
NF[1]		–	X	–	X
MG		–	X	–	X
MI		–	X	–	X
MW[1]		–	X	X	X
Odeon Series[3,4]					
MN		Yes	X	–	X
MH		Yes	X	–	X
MS		Yes	X	–	X
MU		Yes	X	–	X
MV		Yes	X	–	X
NU[1]		Yes	X	–	X
Berlin Series					
H015		–	X	–	X
H016[1]		–	X	–	X
H017		–	X	–	X
H018		–	X	–	X

Notting Hill Series					
Lever	Design	Handed	Mortise Locks	Cylindrical Locks	Exit Devices
MA[3,4]		Yes	X	–	X
MQ[4]		Yes	X	–	X
MT[4]		Yes	X	–	X
MO[4]		Yes	X	–	X
MZ[1,4]		Yes	X	–	X
Centro Levers					
MD		–	X	X	X
MJ		–	X	–	X
MP[4]		–	X	–	X
ND[1]		–	X	X	X
NJ[1]		–	X	–	X
Gramercy Levers[2]					
RCM		–	X	–	X
RAL		–	X	–	X
REM		–	X	–	X
RAM		–	X	–	X
RAS		–	X	–	X
RAG		–	X	–	X
RGM		–	X	–	X

1. Lever returns within 1/2" (13mm) of door face.
2. Gramercy levers are customized. Refer to page 13 for ordering information.
3. Contact factory for current lead times. Not available in stainless steel finishes.
4. Not available in 32D or 32 finish.

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Studio Collection Levers

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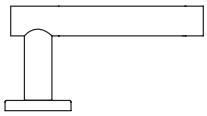
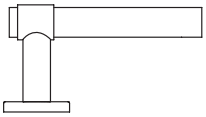
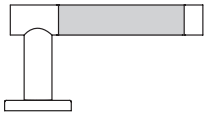
GRAMERCY SERIES LEVERS



REM, RGM



RCM



RAG, RAL, RAM, RAS

Gramercy Finish Codes

ANSI/BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK, 30BN, 29BK, 29BN, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Metallic Insert	2930 or 3030
RAS	Santoprene Insert	30BK, 29BK, 3E3E, BSBS or WSWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2929, 3030, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

**Two-tone finish - grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32.

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629.

How to Order: KP- Mortise Locks x Gramercy Levers

Options	Series/ Type	Function	Rose	Lever	Finish	Hand
select from pages 14-16	KP-82	select from page 5	select from below	Leather insert	Bright stainless steel with brown leather	RHR, RH, LHR, or LH
10-	KP-82	76	LN	RAL	29BN	RH

How to Order: KP- Exit Device x Gramercy Levers

Options	Series	Type	Function	Rail Size	Trim	Lever	Finish	Inside Finish	Door Width
select from pages 14-16	Select from 80 Series Exit Device Function chart from page 6			E, F, J or G	ET Series	Leather insert	Bright stainless steel with brown leather	select from page 10	
10-	KP	88	77	F	ET	RAL	29BN	32D	36"

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Mechanical and Cylinder Options

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Mechanical Options:

Fire Rated	**12-**	UL Fire Label Exit hardware (KP-8800 & KP-8900 series Exits Only) (not available with 16-)
Cylinder Dogging	**16-**	Cylinder Rail Dogging with # 41 Cylinder (not available with 12-, 59- or AL- option) (KP8800 & KP8900 Series Exits) (KP-8800,KP-8900 series Exits Only)
Less Touch Pad	**19-**	Pushbar without Lexan touchpad (KP-8800 & KP-8900 Series Exits Only)
Flat Lip Strike	**23-**	Flat 4-7/8" (124mm) ANSI strike (KP8200 SeriesMortise)
Backset Options	**23-**	3-3/4" (95mm) Backset (for KP10XG77 only)
	25-	5" (127mm) Backset (for KP10XG77 only)
Strike	**29-**	Strike #800. Lip length 1-1/4". Lip lengths 1" to 2" in 1/4" increments only.
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
Double Doors	**41-**	3/4" Throw Latchbolt x 2-3/4" Backset
Tactile Warning Options	**75-**	Tactile Warning - Milled Inside Lever (Not available with Exit Devices, Studio & Coastal Levers and the A Lever)
	76-	Tactile Warning - Milled Outside Lever (Not available with Studio & Coastal Levers and the A Lever)
	77-	Tactile Warning - Milled Inside & Outside Lever (Not available with Exit Devices, Studio & Coastal Levers and the A Lever)
	85-	Tactile Warning - Abrasive Coating on Inside Lever (or Push Rail for Exits)
	86-	Tactile Warning - Abrasive Coating on Outside Lever
	87-	Tactile Warning - Abrasive Coating on Outside Lever & Inside Lever (or Push Rail for Exits)
Finish Options	**CPC-**	Clear Powder Coat (Available for 26, 26D, 32 & 32D Finishes) (KP-8800,KP-8900 series Exits Only)
	SG-	MicroShield® antimicrobial clear powder coat (Available with 15, 26D, and 32D finishes)
Misc. Options	**18-**	Dogging Indicator (KP-PE8800, PE8900 Series Exits Only)
	WR-	Wire Routing (KP-PE8800, PE8900 Series Exits Only)
	FW-	Freewheeling locking levers

Cylinder Options:

Degree Key System	**DG1-**	SARGENT Degree Key System Level 1
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core (not available with cylindrical locks)
	DG1-63-	Degree Level 1 Removable Core (not available with cylindrical locks)
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG1-78-	Degree Level 1 Exposed Plug (not available with cylindrical locks or exit devices)
	DG2-	SARGENT Degree Key System Level 2
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core (not available with cylindrical locks)
	DG2-63-	Degree Level 2 Removable Core (not available with cylindrical locks)
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG2-78-	Degree Level 2 Exposed Plug (not available with cylindrical locks or exit devices)
	DG3-	SARGENT Degree Key System Level 3
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core (not available with cylindrical locks)
	DG3-63-	Degree Level 3 Removable Core (not available with cylindrical locks)
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG3-78-	Degree Level 3 Exposed Plug (not available with cylindrical locks or exit devices)

Note: More Cylinder Options on the following page

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Cylinder Options

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Cylinder Options:

Conventional Cylinder	**—**	SARGENT Conventional Cylinders supplied Standard (Nomenclature not required)
Signature Key System	**10-**	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature: Large Format Interchangeable Core (Removable Core)	**10-63-**	SARGENT Signature LFIC (Removable Core) Cylinder
XC- Key System	**11-**	XC Key System (not available with 10-, 10UL, 22- options)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	**11-60-**	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic core — provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)
XC- Small Format Interchangeable Core	**11-70-7P-**	Hardware to accept XC- SFIC (7 Pin) XC- Permanent Cores, plastic disposable core provided (10X Line J lever not available)
	11-72-7P-	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately (10X Line J lever not available)
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying) (10X Line J lever not available)
	11-65-73-7P-	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core (Packed Loose) (10X Line J lever not available)
Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63-, 73-, 82-, SC- & SE-)
Old Style Removable Core	**51-**	Removable Core Cylinder (Old Style) provided (Existing Systems Only) (Not available with 10X Line)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (Existing Systems Only) (Not available with 10X Line)
Large Format Interchangeable Core (Removable Core)	**60-**	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable plastic Core provided (Permanent Cores Ordered Separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered separately)

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Cylinder Options

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Cylinder Options:

Small Format Interchangeable Cores	**70-**	Hardware to accept 6 or 7-Pin SFIC Permanent Cores, plastic disposable core provided (10X Line J lever not available)
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core Ordered Separately) (10X Line J lever not available)
	73-	Hardware supplied with 6-Pin SFIC (Includes masterkeying, grand masterkeying) (10X Line J lever not available)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) Core (Packed loose for field keying) (10X Line J lever not available)
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) Core (Packed loose for field keying) (10X Line J lever not available)
	73-7P-	Hardware supplied with Small Format 7 Pin Interchangeable Core (Includes masterkeying, grand masterkeying) (10X Line J lever not available)
Keso & Keso F1	**81-**	Hardware provided with housings to accept Keso (83) and Keso F1 (F1-83-) removable cores (Not available with 10X Line) (Permanent Cores Ordered Separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder (Not available with 10X Line)
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10X Line) (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Not available with 10X Line) (Permanent Cores ordered separately)
Bump Resistant	**BR-**	Bump Resistant Cylinder (Available with Conventional and Conventional XC Cylinders Only)
Keyed Different	**KD-**	Cylinders provided keyed differently/random
Less Cylinder	**LC-**	Hardware supplied less cylinder
Accepts Schlage Cylinders	**30-**	10X Line Lever to accept Schlage Fixed Core Cylinder-Cylinder is not provided (10X Line only)
	SF-	10X Line L, B or P lever to accept Schlage® large format interchangeable core (supplied less core, tailpiece included).
Accepts ASSA ABLOY ACCENTRA® Cylinders/ Cores	**YC-**	10X Line lever to accept Corbin Russwin or ASSA ABLOY ACCENTRA® 6-pin fixed core cylinder - less cylinder, tailpiece provided (all designs)
	YC-7P-	10X Line lever to accept Corbin Russwin or ASSA ABLOY ACCENTRA® 7-pin fixed core cylinder - less cylinder, tailpiece provided (all designs)
	YRC-^	10X Line L or P Lever to accept ASSA ABLOY ACCENTRA® 6-pin large format interchangeable core (supplied less core, but with tailpiece needed)
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted (10X Line only)
	SE-	Schlage E keyway cylinder, 0 bitted (10X Line only)

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Architectural Specifications

KP10XG77 CYLINDRICAL LOCKS

2.0 ACCESS CONTROL CYLINDRICAL LOCK

A. Standalone access control cylindrical locks shall be KP10XG77 as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Provide cylindrical lock series and function where specified in hardware groups, with the provisions below.
   1. Cylinders: Provide SARGENT Signature Series cylinders.
   2. Backsets: 2-3/4 inches.
   3. Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8 inch beyond trim, frame or inactive leaf.

C. Locks shall meet ANSI/BHMA A156.2, Grade 1 requirements.

D. Locks shall be UL listed for use on fire doors.

E. Provide access control products with non-volatile memory.

F. Provide keypad operated products with a minimum of 100 user codes.

G. In addition to user codes, provide a Master Code as standard. The Master Code assigns emergency, supervisory, and user codes.

H. Provide the ability to print the last fifteen entries via infrared printer.

I. Locking and unlocking of the lever handle shall be done by a motor-driven battery powered unit (solenoids not acceptable) contained completely within the body of the cylindrical lock. The inside lever is always free for egress.

J. Provide lever design to match other locks on the project.

K. Provide LED's on unit to indicate status – unlocked and programming mode.

L. Provide weatherseal gasketing for keypad at exterior applications.

KP8200 SERIES MORTISE LOCKS

2.1 ACCESS CONTROL MORTISE LOCKS

A. Stand alone access control mortise locks shall be KP8200 Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Provide access control mortise lock series, type, and function where specified in hardware groups, with the provisions below.
   1. Cylinders: Provide SARGENT Signature Series mortise cylinders.
   2. Backsets: 2-3/4 inches.
   3. Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8 inch beyond trim, frame or inactive leaf.

C. Locks shall meet ANSI/BHMA A156.13, Grade 1 requirements.

D. Locks shall be UL listed for use on fire doors.

E. Provide access control products with non-volatile memory.

F. In addition to user codes, provide a Master Code as standard. The Master Code assigns emergency, supervisory, and user codes.

G. Lock shall have the ability to print the last fifteen entries via infrared printer.

H. Locking and unlocking of the lever handle shall be done by a motor-driven battery powered unit (solenoids not acceptable) contained completely within the body of the mortise lock. The inside lever is always free for egress.

I. Provide lever design to match other locks on the project.

J. Provide LED's on unit to indicate status – unlocked and programming mode.

K. Provide weatherseal gasketing for keypad at exterior applications.

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Architectural Specifications

KP8800/8900 SERIES EXIT DEVICES

2.2 ACCESS CONTROL EXIT DEVICES

A. Standalone access control exit devices shall be KP8800/8900 Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.
B. Provide access control exit device series, type, and function where specified in hardware groups.
C. All exit devices shall be UL listed for panic. Exit devices for labeled doors shall be UL listed as "Fire Exit Hardware".
D. Exit devices shall meet ANSI/BHMA A156.3, Grade 1 requirements.
E. Provide exit devices factory cut to door width and height. Locate exit devices at a height recommended by the exit device manufacturer, allowable by governing building codes, and approved by the Architect.
F. Provide access control products with non-volatile memory.
G. Provide keypad products with a minimum of 100 user codes.
H. In addition to user codes, provide a Master Code as standard. The Master Code assigns emergency, supervisory, and user codes.
I. Provide the ability to print the last fifteen entries via infrared printer.
J. Locking and unlocking of the lever handle shall be done by a motor-driven battery powered unit (solenoids not acceptable) contained completely within the body of the outside trim. Egress from the inside at all times.
K. Provide lever design to match other lock levers on the project.
L. Provide LED's on unit to indicate status – unlocked and programming mode.
M. Provide weatherseal gasketing for keypad at exterior applications.
N. Provide cylinder-dogging feature for non-rated exit devices.
O. Provide keyed removable mullions, as specified in the Hardware Groups.
P. Provide clear powder coating at exit devices used in full exterior application, highly corrosive areas, and where noted in the hardware groups.
Q. Provide SARGENT Signature Series cylinders for exit devices with cylinder override and cylinder dogging.

KP-PE8800/PE8900 SERIES EXIT DEVICES

2.2 ACCESS CONTROL EXIT DEVICES

A. Standalone access control exit devices shall be KP-PE8800/PE8900 Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.
B. Provide access control exit device series, type, and function where specified in hardware groups.
C. All exit devices shall be UL listed for panic. Exit devices for labeled doors shall be UL listed as "Fire Exit Hardware".
D. Exit devices shall meet ANSI/BHMA A156.3, Grade 1 requirements.
E. Provide exit devices factory cut to door width and height. Locate exit devices at a height recommended by the exit device manufacturer, allowable by governing building codes, and approved by the Architect.
F. Provide access control products with non-volatile memory.
G. Provide keypad products with a minimum of 100 user codes.
H. In addition to user codes, provide a Master Code as standard. The Master Code assigns emergency, supervisory, and user codes.
I. Provide the ability to print the last fifteen entries via infrared printer.
J. Locking and unlocking of the lever handle shall be done by a motor-driven battery powered unit (solenoids not acceptable) contained completely within the body of the outside trim. Egress from the inside at all times.
K. Provide lever design to match other lock levers on the project.
L. Provide LED's on unit to indicate status – unlocked and programming mode.
M. Provide weatherseal gasketing for keypad at exterior applications.
N. Provide cylinder-dogging feature for non-rated exit devices.
O. Provide keyed removable mullions, as specified in the Hardware Groups.
P. Provide clear powder coating at exit devices used in full exterior application, highly corrosive areas, and where noted in the hardware groups.
Q. Provide SARGENT Signature Series cylinders for exit devices with cylinder override and cylinder dogging.

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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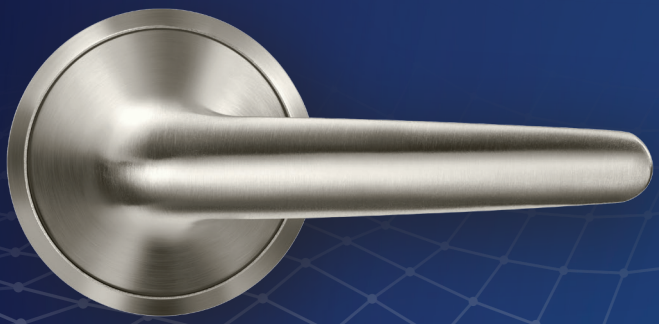
PRODUCT CATALOG

Healthcare Hardware



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and more open world

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MICROSHIELD®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

MICROSHIELD® COATING

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

agion Nature's antimicrobial

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

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10X Line Cylindrical Lock with BHW* Trim

SARGENT
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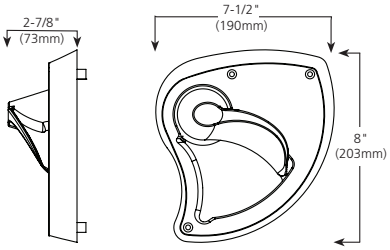
10X LINE WITH BHW TRIM

Part of the Behavioral Health Series® of products, the 10X Line cylindrical lock with BHW trim provides an innovative solution for behavioral health environments. The unique integrated lever and escutcheon combine aesthetics with safety. Ease of operation, along with the strength and versatility of the 10X Line cylindrical lock allows its use in many applications.



Features

- ANSI/BHMA Grade 1
- UL Fire Rated
- Available in 12 functions
- Easy installation
- Tapered surfaces on all components
- ADA Compliant
- Available with MicroShield®, an antimicrobial coating
- 6 Lobe head security screws (Torx® type) are standard with BHW Trim
- Finish: 32D
- Handed

How To Order

SG-FW-	10X	G37	BHW	32D	RHR
Option	Series	Function	Trim	Finish	Hand*
Mechanical Options this page	10X Line Cylindrical Locks	See page 13	Lever & Escutcheon	32D	RHR
					LHR
Cylinder Options see 10X Line catalog					RH
					LH

*Always specify hand of lock

Specifications

Door Thickness	1-3/4" (44mm) thick door adjusts to 2" (51mm)		
Backset	2-3/4" (70mm) backset w/ 1-1/8" (29mm) front (standard)		
Latchbolt	Stainless steel, 1/2" (13mm) throw		
Front	Stainless steel, 2-1/4" x 1-1-8" (57mm x 29mm) Fixed Bevel		
Hand	Handed - Must specify hand on order		
Options	Cylinders	Brass, 6-pin LA keyway, 1-bitted standard, specify KD for keyed different/random.	
	Backset	23-	3-3/4" (95mm) backset w/ 1-1/8" (29mm) front
		25-	5" (127mm) backset w/ 1-1/8" (29mm) front
	Strikes	29-	800 curved lip strike
		WBS-	Wrought Box Strike
	Electrical Options	RX-	Request to Exit - Monitors each lever independently
	Lead Lining	74-	Lead provided between lockbody and spring cartridge
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat
Strike	Stainless steel, 808 curved lip ANSI 4-7/8" strike standard		
Keys	Two nickel silver change keys per lock standard		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Outside Locked Lever	Free-wheeling (FW-) or rigid* (RGD) option for outside locked lever MUST be specified for the following functions: 10XG04, 10XG05, 10XG17, 10XG24, 10XG26, 10XG37, 10XG54, 10XU65, 10XG70 and 10XG71		
Stile	8-1/2" (216mm) minimum stile		
Door Prep	ANSI/SDI A250.14 modified per SARGENT standard cylindrical template 4753		

*Although this product is better designed for behavioral health applications than traditional trim, it does not eliminate the risk that an object can be affixed to, or around it. A lockset function that requires a rigid lever when locked or a push/turnbutton may introduce a ligature opportunity.

Packaging

10XG04 x BHW	approx. 14.6 lbs. (6.6kg)	1 per box/case

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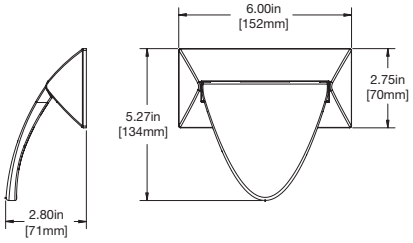
HP Series Tubular Lock with Push/Pull ALP Trim

HP TUBULAR LOCK WITH PUSH/PULL ALP TRIM

The HP Series Tubular Lock with ALP push/pull trim provides an aesthetically- pleasing alternative to standard push/pull products. Ease of operation allows its use in many environments, including healthcare and education. The paddle shape and location create a comfortable target for door activation without using hands.



Shown with optional Push/Pull identification

Features

- Paddle trim can be mounted in horizontal (up or down) or vertical (sideways) orientations in the field
- Easy installation
- Available in 2 functions
- 15 function trim is non-handed; lockbody is easily field reversible
- Through-bolted trim for stability
- Available in 2-3/4", 5" or 7" backsets
- UL Fire Rating standard
- Torx® and spanner screws optional with ALP
- Lead lining is optional: specify 74- option
- Covers and paddles are cast stainless steel
- Finish: 32D

Series and Function	Descriptions
HPU15 Passage	- Both paddles retract latch - Ideal for patient rooms and closets
HPU65 Privacy	- Inside paddle always retracts latch - Outside paddle retracts latch, except when locked by inside push button - Closing door unlocks outside paddle - Includes emergency release - Ideal for bathrooms - Vertical orientation required

How To Order

SG-	HP	U65	ALP	32D	RHR
Option	Series	Function	Trim	Finish	Hand*
Mechanical Options this page	HP Series Tubular Locks	U15 - Passage U65 - Privacy	Push/Pull Trim	32D	RHR LHR RH LH

*Always specify hand of lock
- 15 function is Non-Handed
- 5" Backset standard with square corner front, 2-1/4" x 1-1/8"

Specifications

Door Thickness	1-3/4" (44mm) to 1-7/8" (47mm) standard; for doors greater than 1-7/8" (47mm) to 2-1/4" (57mm), specify 31- and door thickness (For thicker doors, consult factory)		
Backset	**5" (127mm) standard.** For 2-3/4" (70mm) backset (specify as 24-HP) and 7" (177mm) backset (specify as 26-HP) available on order		
Strike	4-7/8" (124mm) ANSI/SDI A250 14 ANSI curved lip strike # 808*		
Bolt	Brass, 1/2" (13mm) throw		
Hand	Specify hand (RHR, RH, LHR or LH)		
Escutcheons	Cast stainless steel		
UL Listed	UL Listed for use on fire doors (4x10 opening)		
Options	Backsets	24-	2-3/4" (70mm) backset
		26-	7" (177mm) backset
	Strikes	14-	505 Full Lip Strike
		29-	Strike #800 Lip length 1-1/4" (32mm)
		WBS-	Wrought Box Strike
	Thick Doors	31-	For doors thicker than 1-7/8" to 2-1/4"; specify 31- and door thickness
	Security Screws	36-	6-Lobe Security Head Screws
		37-	Spanner Security Head Screws
	Lead Lining	74-	Lead lined
	Antimicrobial Coating	SG-	MicroShield® – Antimicrobial clear powder coat (only available with 32D finish)
	Markers	P-	Push/Pull Paddle Identification (non-handed)
Finishes	32D For other finishes consult factory		
Finish Protection	CPC-		Clear Powder Coat
Door Prep	ANSI/SDI A250.14 modified per SARGENT standard bored template 4695		

*This strike provided standard effective February 1, 2026. Option 28- no longer required. If 2-3/4" curved lip strike needed, specify 29- option.

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114/115 Series Push/Pull Trim

Designed for convenience and utility, the 114/115 hospital latches open with a gentle pull or slight push, making them ideal for hands free operation. Both the 114 push-pull and 115 push-pull latch with its low profile helps eliminate any obstruction while passing through an opening. Slim tapered paddles and smartly styled escutcheons possess all the elements of tasteful, yet functional design. The chassis design makes this hospital latch constructed for both durability and ease of install.

114 PUSH-PULL

114 push and pull paddles are mounted in the down position as shown and are available with “PUSH’’ and “PULL’’ stamped into the top of the escutcheon.

115 PUSH-PULL

115 push are mounted in the up position only and pull paddles are mounted in the down position only. Paddles are available with "PUSH" and "PULL" stamped into the top of the escutcheon as shown.

Specifications

For Doors	1-3/4" (44mm) to 2-1/4" (57mm)		
Backset	5" (127mm) standard. For 2-3/4" (70mm) backset (specify as 24-115) and 7" (177mm) backset (specify as 26-115) available on order		
Strike	4-7/8" (124mm) ANSI/SDI A250.14 ANSI curved lip strike # 808*		
Bolt	Brass, 1/2" (13mm) throw		
Hand	Specify hand (RHR, RH, LHR or LH)		
114	Push/Pull Paddles - **both mounted down position only**. Cast; Projection from door 3-1/4" (83mm)		
115	Push Paddle - **mounted up position only.** Cast; 1-5/8" (41mm) x 4-1/2" (114mm); Projection from door 2-1/2" (64mm)		
115	Pull Paddle - **mounted down position only.** Cast; 1-5/8" x 4-3/4"; Projection from door 2-15/16"		
Escutcheons	Cold drawn; 2-1/2" (64mm) x 6-7/8" (175mm)		
UL Listed	UL Listed for use on fire doors. See Underwriters Laboratories Building Materials List		
Options	Backsets	24-	2-3/4" (70mm) backset
		26-	7" (177mm) backset
	Strike	29-	Strike #800 Lip length 1-1/4" (32mm)
		WBS-	Wrought Box Strike
	Security Screws	36-	6-Lobe Security Head Screws
		37-	Spanner Security Head Screws
	Lead Lining	74-	Lead lined. Specify Push or Pull side
	Antimicrobial Coating	SG-	MicroShield® – Antimicrobial clear powder coat (only available with 26D finish)
	Push/Pull Marking	P-	Push/Pull to be stamped on each escutcheon
	Through Bolts	TB-	Through-bolt pack, specify door thickness: 1-3/4", 2" & 2-1/4"
Finishes	03, 04, 09, 10, 10B, 10BE, 15, 26, 26D For other finishes consult factory		

*This strike provided standard effective July 2025. Option 28- no longer required. If 2-3/4" curved lip strike needed, specify 29- option.

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8200 Series with BHW* Trim

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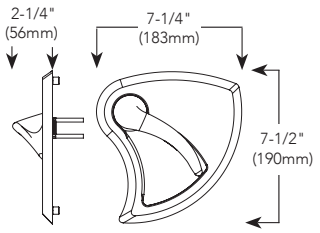
8200 SERIES WITH BHW TRIM

Part of the Behavioral Health Series® of products, the 8200 Series mortise lock with BHW trim provides an innovative solution for behavioral health environments. The unique integrated lever and escutcheon combines aesthetics with safety. Ease of operation, along with the strength and versatility of the 8200 Series mortise lock allows its use in many applications.



Features

- ANSI/BHMA Grade 1
- UL Fire Rated
- Available in 48 functions
- Uses standard mortise prep
- Easy installation
- Tapered surfaces on all components
- ADA Compliant
- Available with MicroShield®, an antimicrobial coating
- 6 Lobe head security screws (Torx® type) are standard with BHW Trim
- Matching thumbturn
- Finish: 32D
- Trim only option available with existing sectional and escutcheon trim only
- Handed
- BHW trim only kits. Includes inside and outside trim. Cylinder functions include 1SB- collar for use with 1-1/8" cylinders.
  - 694-1 Trim only, non-keyed functions
  - 694-2 Trim only, single cylinder functions
  - 694-3 Trim only, double cylinder

How To Order

SG-11-	82	37	BHW	32D	RHR
Option	Series	Function	Trim	Finish	Hand*
Mechanical Options this page	8200 Series Mortise Locks	See page 13	Lever & Escutcheon	32D	RHR
					LHR
Cylinder Options see 8200 Series catalog					RH
					LH

*Always specify hand of lock

Specifications

Door Thickness	1-3/4" (44mm) to 1-7/8" (47mm) standard; for doors greater than 1-7/8" (47mm) to 2-1/4" (57mm), specify 31- and door thickness (For thicker doors, consult factory)		
Backset	2-3/4" (70mm) only		
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")		
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm). Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)		
Springs	High carbon steel		
Latchbolt	Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch		
Auxiliary Deadlatch	Stainless steel, non-handed		
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection		
Hand	Handed - Must specify hand on order		
Options	Cylinders	Brass, size #41 (1-1/8") LA keyway, 1-bitted standard, specify KD for keyed different/random.	
	Strikes	23-	4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip
		OBS-	Open Back Strike
		WBS-	Wrought Box Strike
	Thick Doors	31-	For doors thicker than 1-7/8" to 2-1/4"; specify 31- and door thickness
	Electrical Options	DX-	Deadbolt monitoring - Monitor deadbolt position (not available with LX-)
		LX-	Latchbolt monitor - Monitors latchbolt position (not available with deadbolt functions)
		RX-	Request to Exit - Monitors each lever independently (except when used with 56-)
		56-	Motorized electric latch retraction (04, 15, 17, 70, 71, 72, 73 functions)
	Lead Lining	74-	Lock case wrapped in lead (specify hand)
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat (available with 32D finish only)
Strike	Brass, bronze or stainless steel; ANSI/SDI A250.14 standard; curved lip, non-handed (strike box optional)		
Keys	Two, nickel silver (control key or emergency key must be ordered when required) #41 (1-1/8") cylinder supplied standard		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Stile	8-1/2" (216mm) minimum stile		
Door Prep	ANSI/SDI A250.14 modified per SARGENT standard mortise template 4711		

* Although these products are better designed for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.

Packaging

8205 x BHW	approx. 14.1 lbs. (6.4kg)/box	1 per box/case

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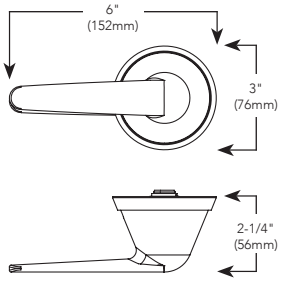
8200 Series with BHL* Trim

8200 WITH BHL TRIM

The SARGENT BHL trim is part of the Behavioral Health Series® of products. With an array of functions, this trim can be used on virtually any opening in healthcare applications. Sloping surfaces and overlapping rose and lever address safety concerns common in behavioral health. Optimal for tough environments, the SARGENT 8200 Series mortise lock provides impressive strength and reliability.



Features

- Available in 41 functions
- UL Fire Rated
- ANSI/BHMA Grade 1
- Inside and outside levers rotate freely up and down to 45° when locked
- Sloped surfaces
- Concealed hardware
- Overlapping lever and rose construction
- ADA compliant
- 6 Lobe head security screws (Torx® type) are standard with BHL Trim
- Non-handed
- Finish: 32D
- Available with MicroShield®, an antimicrobial coating

How To Order

SG-11-	82	37	BHL	32D	LH
Option	Series	Function	Trim	Finish	Hand
Mechanical Options this page	8200 Series Mortise Locks	See page 13	BHL	32D	RHR
					LHR
Cylinder Options see 8200 Series catalog					RH
					LH

Specifications

Door Thickness	1-3/4" (44mm) to 1-7/8" (47mm) standard; for doors greater than 1-7/8" (47mm) to 2-1/4" (57mm), specify 31- and door thickness (For thicker doors, consult factory)		
Backset	2-3/4" (70mm) only		
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")		
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm). Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)		
Springs	High carbon steel		
Latchbolt	Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch		
Auxiliary Deadlatch	Stainless steel, non-handed		
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection		
Hand	Non-handed		
Options	Cylinders	Brass, size #41 (1-1/8") LA keyway, 1-bitted standard, specify KD for keyed different/random.	
	Strikes	23-	4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip
		OBS-	Open Back Strike
		WBS-	Wrought Box Strike
	Thick Doors	31-	For doors thicker than 1-7/8" to 2-1/4"; specify 31- and door thickness
	Security Screws	37-	Spanner head security screws (available with front plate and strike only)
	Lead Lining	74-	Lock case wrapped in lead (specify hand)
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat (available with 32D only)
	Electrical Options	DX-	Deadbolt monitoring - Monitor deadbolt position (not available with LX-)
		LX-	Latchbolt monitor - Monitors latchbolt position (not available with deadbolt functions)
		RX-	Request to Exit - Only available when used with 56- (lever monitoring not independent)
		56-	Motorized electric latch retraction (04, 15, 17, 70, 71, 72, 73 functions)
Strike	Brass, bronze or stainless steel; ANSI/SDI A250.14 standard; curved lip, non-handed (strike box optional)		
Keys	Two, nickel silver (control key or emergency key must be ordered when required) #41 (1-1/8") cylinder supplied standard		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Stile	4-1/2" (114mm) minimum stile		
Door Prep	ANSI/SDI A250.14 modified per SARGENT standard mortise template 7057		

Packaging

8205 x BHL	approx. 6.1 lbs. (2.7kg)/box	6 boxes/case

* Although these products are a better design for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.

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8200 Series with Push/Pull Trim (ALP)

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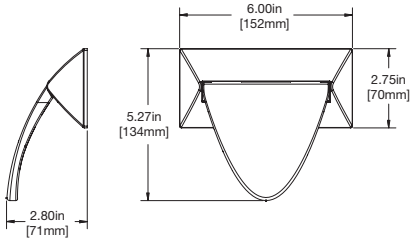
8200 SERIES WITH PUSH/PULL TRIM (ALP)

The Series 8200 mortise lock with push/pull trim provides an aesthetically-pleasing alternative to standard push/pull products. Ease of operation, along with the strength, versatility and integrity of the 8200 Series mortise lock, allows its use in many types of environments. Perfect for health care facilities, including behavioral health units, patient room doors and operating rooms.



Features

- Available in 45 functions
- Paddle trim can be mounted in horizontal (up or down) and vertical (sideways) orientations in the field
- Easy installation
- Trim is non-handed; lockbody is easily field reversible
- Through-bolted trim for stability
- Torx® and spanner screws optional with ALP
- Lead lining is optional (Lockbody only), specify 74- option
- Covers are cast stainless steel
- Paddles are cast stainless steel
- Finish: 32D

How To Order

SG-11-	82	37	ALP	32D	LHR
Option	Series	Function	Trim	Finish	Hand
Mechanical Options this page	8200 Series Mortise Locks	See page 13	Lever	32D	RHR
					LHR
Cylinder Options see 8200 Series catalog					RH
					LH

Note: ALP trim requires a special 8200 mortise lock body, which is shipped automatically when ALP is specified. When ordering a lock body only for use with ALP trim, please refer to your SARGENT Price Book for the correct ordering number.

Specifications

Door Thickness	1-3/4" (44mm) to 1-7/8" (47mm) standard; for doors greater than 1-7/8" (47mm) consult factory		
Backset	2-3/4" (70mm) only		
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")		
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm). Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)		
Springs	High carbon steel		
Latchbolt	Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch		
Auxiliary Deadlatch	Stainless steel, non-handed		
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection		
Hand	Specify hand on order; easily field reversible		
Options	Cylinders	Brass, size #41 (1-1/8") LA keyway, 1-bitted standard, specify KD for keyed different/random.	
	Strikes	23-	4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip
		OBS-	Open Back Strike
		WBS-	Wrought Box Strike
	Security Screws	36-	6 Lobe head security screws (Torx® type)
		37-	Spanner head security screws
	Indicators	49-	Visual Status Indicator or Occupancy Indicator w/Emergency Release
		50-	Secured Indicator
	Lead Lining	74-	Lock case wrapped in lead (specify hand)
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat (only available with 32D finish)
	Markers	P-	Push/Pull Paddle Identification (Non-handed)
	Electrical Options	RX-	Request to Exit - Only available when used with 56- (lever monitoring not independent)
		56-	Motorized electric latch retraction (04, 15, 17, 70, 71, 72, 73 functions)
		LX-	Latchbolt monitor - Only available when used with 56- and RX-
Strike	Brass, bronze or stainless steel; ANSI/SDI A250.14 standard; curved lip, non-handed (strike box optional)		
Keys	Two, nickel silver (control key or emergency key must be ordered when required) #41 (1-1/8") cylinder supplied standard		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Stile	4-1/2" (114mm) minimum stile		
Door Prep	ANSI/SDI A250.14 modified per SARGENT standard mortise template 7057		

Packaging

8205 x ALP	approx. 6.1 lbs. (2.7kg)/box	6 boxes/case

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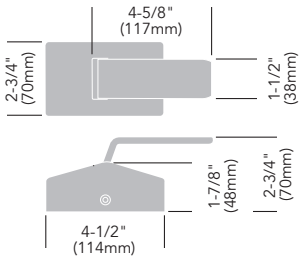
7800 Series with Push/Pull Trim (PT)

7800 SERIES WITH PUSH/PULL TRIM (PT)

The Push/Pull design known for its ease of operation is coupled with the strength and integrity of a mortise lock to provide greater versatility. The trim, commonly used in hospitals and health care facilities, can now service conference rooms, handicapped restrooms, laboratories and pharmaceutical facilities that require more durability and security features than a cylindrical lock can provide.



Spindle centered in escutcheon

Features

- Available in 11 functions
- Paddle trim orientation can be mounted in vertical (up or down) and horizontal positions as a standard product, no need for specifying mount positions on order
- Down or horizontal paddle orientation is required for cylinder side of door
- Horizontal paddle orientation is required if a thumb turn or an emergency release is used.
- Easy installation
- Handing is easily field reversible
- Through-bolted trim for stability
- 6 Lobe security type screws (Torx®) standard for PT trim
- Engraving on paddle – consult factory
- Lead lining is optional (Lockbody only), specify 74- option
- Covers are heavy wrought stainless steel, brass or bronze
- Paddles are cast stainless steel, brass or bronze
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 20D, 32, 32D

How To Order

SG-11-	78	37	PT	32D	LH
Option	Series	Function	Trim	Finish	Hand
Mechanical Options this page	7800 Series Mortise Locks	See page 13	Push/Pull Trim	03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32 or 32D	RHR
					LHR
Cylinder Options see 7800 Series catalog					RH
					LH

NOTE: The PT trim is always supplied with an 7800PT mortise lockbody, all mortise lockbodies are labeled for ease of identification. When ordering lockbody only for PT trim, always specify 7800PT lockbody.

Specifications

For Doors	Door thickness 1-3/4" (44mm) to 2" (51mm) standard with adaptable spindle. For thicker doors, consult factory.		
Backset	2-3/4" (70mm) only		
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")		
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm). Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm) 1/8" (3mm) in 2" (51mm)		
Springs	High carbon steel		
Latchbolt	Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch		
Auxiliary Deadlatch	Stainless steel, non-handed		
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection		
Hand	Specify hand on order; easily field reversible		
Options	Cylinders	Brass, size #41 (1-1/8") LA keyway, 1-bitted standard, specify KD for keyed different/random.	
	Strikes	23-	4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip
		OBS-	Open Back Strike
		WBS-	Wrought Box Strike
	Security Screws	37-	Spanner head security screws
	Electrical Options	DX-	Deadbolt monitoring - Monitor deadbolt position (not available with LX-)
		LX-	Latchbolt monitor - Monitors latchbolt position (not available with deadbolt functions)
		RX-	Request to Exit - Monitors each lever independently
	Lead Lining	74-	Lock case wrapped in lead (specify hand)
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat (available with 32D finish only)
Strike	Brass, bronze or stainless steel; ANSI/SDI A250.14 standard; curved lip, non-handed (strike box optional)		
Keys	Two, nickel silver (control key or emergency key must be ordered when required)		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Stile	5" (127mm) minimum stile for 7800 Push/Pull Trim		
Door Prep	ANSI/SDI A250.14 modified per template (see template 4512 only)		

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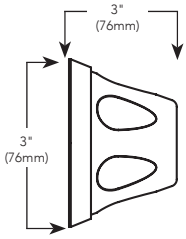
7800 Series with BHD* Trim

SARGENT
ASSA ABLOY

7800 SERIES WITH BHD TRIM

Features

- Available in 43 functions
- UL Fire Rated
- ANSI/BHMA Grade 1
- Sloped surfaces on all components
- Overlapping knob and rose construction
- Finish: 32D
- Available with MicroShield® option, antimicrobial coating



How To Order

SG-67	78	37	BHD	32D
Option	Series	Function	Trim	Finish
Mechanical Options this page	7800 Series Mortise Locks	See page 13	Knob	32D
Cylinder Options see 7800 Series catalog				

Specifications

Door Thickness	1-3/4" (44mm) to 1-7/8" (47mm) standard; for doors greater than 1-7/8" (47mm) to 2-1/4" (57mm), specify 31- and door thickness (for thicker doors, consult factory)		
Backset	2-3/4" (70mm) only		
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")		
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm). Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)		
Springs	High carbon steel		
Latchbolt	Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch		
Auxiliary Deadlatch	Stainless steel, non-handed		
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection		
Hand	Non-handed		
Options	Cylinders	Brass, size #41 (1-1/8") LA keyway, 1-bitted standard, specify KD for keyed different/random.	
	Strikes	23-	4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip
		OBS-	Open Back Strike
		WBS-	Wrought Box Strike
	Lever/Knob Combination	67-	Lock furnished w/ knob both sides (Not available with AV-Option)
		68-	Lock furnished w/ lever handle outside x knob inside (Not available with AV- Option)
		69-	Lock furnished w/ lever handle inside x knob outside (Not available with AV-Option)
	Thick Doors	31-	For Doors Thicker than 1-7/8" to 2-1/4"; specify 31- and door thickness
	Security Screws	36-	6 Lobe head security screws (Torx® type)
		37-	Spanner head security screws
	Electrical Options	DX-	Deadbolt monitoring - Monitor deadbolt position (not available with LX-)
		LX-	Latchbolt monitor - Monitors latchbolt position (not available with deadbolt functions)
	Lead Lining	74-	Lock case wrapped in lead (specify hand)
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat (available in 32D only)
Strike	Brass, bronze or stainless steel; ANSI/SDI A250.14 standard; curved lip, non-handed (strike box optional)		
Keys	Two, nickel silver (control key or emergency key must be ordered when required) #41 (1-1/8") cylinder supplied standard		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Stile	4-1/2" (114mm) minimum stile		
Door Prep	ANSI/SDI A250.14 modified per SARGENT standard mortise template 7057		

* Although these products are a better design for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.

Packaging

7837 x BHD	approx. 6.2 lbs. (2.8kg)/box	6 boxes/case

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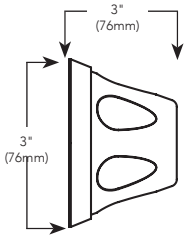
9200 Series with BHD* Trim for High Security

9200 SERIES WITH BHD TRIM FOR HIGH SECURITY

The 9200 Series with BHD Trim is designed to provide additional safety on openings that withstand extreme abuse, vandalism and malicious impact.

It is well-suited for Psychiatric and minimum security detention facilities, as well as exposed perimeter doors in commercial facilities.



Features

- Available in 28 functions
- UL Fire Rated
- ANSI/BHMA Grade 1
- Sloped surfaces on all components
- Overlapping knob and rose construction
- Finish: 32D
- Available with MicroShield® option, antimicrobial coating option

How To Order

SG-67	92	37	BHD	32D
Option	Series	Function	Trim	Finish
Mechanical Options this page	9200 Series Mortise Locks	See page 13	Knob	32D

Specifications

Door Thickness	1-3/4" (44mm) to 1-7/8" (47mm) standard; for doors greater than 1-7/8" (47mm) to 2-1/4" (57mm), specify 31- and door thickness (For thicker doors, consult factory)		
Backset	2-3/4" (70mm) only		
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")		
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm). Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)		
Springs	High carbon steel		
Latchbolt	Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch		
Auxiliary Deadlatch	Stainless steel, non-handed		
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection		
Hand	Non-handed		
Mechanical Options	Cylinders		Brass, size #41 (1-1/8") LA keyway, 1-bitted standard, specify KD for keyed different/random.
	Strikes	23-	4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip
		OBS-	Open Back Strike
		WBS-	Wrought Box Strike
	Lever/Knob Combination	67-	Lock furnished w/ knob both sides (Not available with AV-Option)
		68-	Lock furnished w/ lever handle outside x knob inside (Not available with AV- Option)
		69-	Lock furnished w/ lever handle inside x knob outside (Not available with AV-Option)
	Thick Doors	31-	For Doors Thicker than 1-7/8" to 2-1/4"; specify 31- and door thickness
	Security Screws	36-	6 Lobe head security screws (Torx® type)
		37-	Spanner head security screws
	Lead Lining	74-	Lock case wrapped in lead (specify hand)
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat (available in 32D only)
Strike	Brass, bronze or stainless steel; ANSI/SDI A250.14 standard; curved lip, non-handed (strike box optional)		
Keys	Two, nickel silver (control key or emergency key must be ordered when required) #41 (1-1/8") cylinder supplied standard		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Stile	4-1/2" (114mm) minimum stile		
Door Prep	ANSI/SDI A250.14 modified per SARGENT standard mortise template 7057		

* Although these products are a better design for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.

Packaging

9237 x BHD	approx. 6.2 lbs. (2.8kg)/box	6 boxes/case

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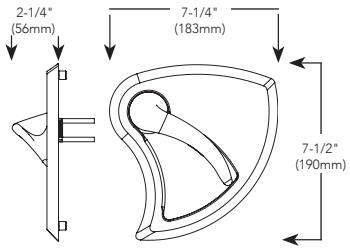
9200 Series with BHW Trim for High Security

9200 SERIES WITH BHW TRIM FOR HIGH SECURITY

The 9200 Series with BHW Trim is designed to provide additional safety on openings that withstand extreme abuse, vandalism and malicious impact.

It is well-suited for Psychiatric and minimum security detention facilities, as well as exposed perimeter doors in commercial facilities.



Features

- ANSI/BHMA Grade 1
- UL Fire Rated
- Available in 26 functions
- Mogul (M-9200) available in 17 functions
- Uses standard mortise prep
- Matching thumbturn available
- Finish: 32D
- Handed
- Tapered surfaces on all components
- Available with MicroShield®, an antimicrobial coating
- ADA Compliant
- Standard 6-lobe (Torx®) security screws on BHW trim
- Trim Only option available with existing sectional and escutcheon trim only
- BHW trim only kits. Includes inside and outside trim. Cylinder functions include 1SB- collar for use with 1-1/8" cylinders.
  - 694-1 Trim only, non-keyed functions
  - 694-2 Trim only, single cylinder functions
  - 694-3 Trim only, double cylinder

How To Order

SG-67	92	37	BHW	32D	RHR
Option	Series	Function	Trim	Finish	Hand*
Mechanical Options this page	9200 Series Mortise Locks	See page 13	Lever and Escutch-eon	32D	RHR
					LHR
Cylinder Options see 9200 Series catalog					RH
					LH

*Always specify hand of lock

Specifications

Door Thickness	1-3/4" (44mm) to 1-7/8" (47mm) standard; for doors greater than 1-7/8" (47mm) to 2-1/4" (57mm), specify 31- and door thickness (For thicker doors, consult factory)		
Backset	2-3/4" (70mm) only		
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")		
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm). Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)		
Springs	High carbon steel		
Latchbolt	Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch		
Auxiliary Deadlatch	Stainless steel, non-handed		
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection		
Hand	Handed - Must specify hand on order		
Mechanical Options	Cylinders	Brass, size #41 (1-1/8") LA keyway, 1-bitted standard, specify KD for keyed different/random.	
	Strikes	23-	4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip
		OBS-	Open Back Strike
		WBS-	Wrought Box Strike
	Thick Doors	31-	For doors thicker than 1-7/8" to 2-1/4"; specify 31- and door thickness
	Electrical Options	DX-	Deadbolt monitoring - Monitor deadbolt position (not available with LX-)
		LX-	Latchbolt monitor - Monitors latchbolt position (not available with deadbolt functions)
		RX-	Request to Exit - Monitors each lever independently
	Lead Lining	74-	Lock case wrapped in lead (specify hand)
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat (available with 32D finish only)
Strike	Brass, bronze or stainless steel; ANSI/SDI A250.14 standard; curved lip, non-handed (strike box optional)		
Keys	Two, nickel silver (control key or emergency key must be ordered when required) #41 (1-1/8") cylinder supplied standard		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Stile	8-1/2" (216mm) minimum stile		
Door Prep	ANSI/SDI A250.14 modified per SARGENT standard mortise template 4711		

* Although these products are a better design for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.

Packaging

9237 x BHW	approx. 14.1 lbs. (6.4kg)/box	1 per box/case

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Functions

AVAILABLE MECHANICAL FUNCTIONS

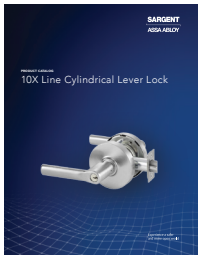
	04	05	06	13	15	16	17	24	25	26	27	28	29	30	31	35	36	37	38	39	40	41	42	43	45	46	47	48	49	50	51	52	54	55	56	57	58	59	65	66	67	68
10X BHW	x	x			x		x	x		x								x															x						x				
7800 BHD	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x		x	x	x	x		x	x	x	x	x
7800 PT	x				x	x	x	x		x								x						x	x					x								x				
8200 ALP	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x
8200 BHL	x	x			x	x	x	x	x	x	x	x	x	x			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x
8200 BHW	x	x			x	x	x	x	x	x	x	x	x	x				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x
9200 BHD	x	x	x		x*	x	x	x	x	x						x		x	x	x	x	x*	x	x	x				x*	x				x				x*	x*	x		
9200 BHW	x	x			x	x	x	x	x	x								x	x	x	x	x	x	x	x				x	x				x				x	x	x		
M-9200 BHW	x				x		x			x								x	x	x	x	x	x						x					x				x				
HP ALP					x																																		x				

AVAILABLE ELECTRIFIED FUNCTIONS

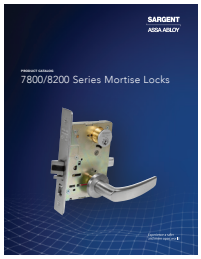
	70	71	72	73	270	271	274	275	280	281	284	285
10X BHW	x	x										
8200 ALP	x	x	x	x								
8200 BHL	x	x	x	x								
8200 BHW	x	x	x	x	x	x	x	x	x	x	x	x
9200 BHD	x*	x*	x*	x*								
9200 BHW	x	x	x	x								
M-9200 BHW	x	x	x	x								

* Not available with Mogul Cylinder (M-option)
Refer to product catalog for function descriptions.

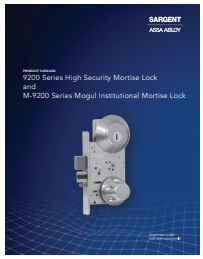
10X Line Cylindrical Locks



7800/8200 Series Mortise Locks



9200 Series Mortise Locks



AVAILABLE ELECTRICAL OPTIONS FOR HEALTHCARE HARDWARE

	RX	LX	DX	56-
10X BHW	x			
7800 PT	x	x	x	
8200 ALP	x^	x^		x
8200 BHL	x^	x	x	x
8200 BHW	x	x	x	x
9200 BHD		x	x	
9200 BHW	x	x	x	

^Only available when used in conjuction with 56- option

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Turns, Emergency Releases and Indicators

SARGENT
ASSA ABLOY

130KBHA Turn for use with 8200 Mortise BHW, ALP, BHL and BHD Trim

- 3-3/4" x 2-1/2" rectangular shape
- Stainless steel housing
- Meets ADA and OMH Requirements

184KBHA Emergency Release (used with BHW, ALP, BHL and BHD trim)

- 2-1/8" x 1-5/8" rectangular shape
- Stainless steel housing
- Meets ADA and OMH Requirements

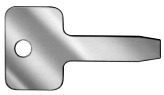
130W Turn for use with PT Trim

- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- Meets ADA Requirements

184W Emergency Release for use with PT Trim

- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only

Emergency Key 14-0057



- Carbon steel
- For 65, 66 and 68 functions only
- Must be ordered separately

LOCK STATUS AND SECURED INDICATORS FOR USE WITH 8200 MORTISE ALP TRIM

49- Option Visual Status Indicator for Non Secure Applications

- Designed to work with Classroom Security functions
- Red/White indicator plate standard, field replaceable OCC/VAC plate included
- Mounts on inside of door
- Functions available: 30 and 37
- As retrofit, order 185CALP x finish

Inside Only

185CALP

49- Option Occupancy Indicator with Emergency Release

- Ideal for restrooms or conference rooms where easy determination of use needs to be made
- OCC/VAC indicator plate standard, field replaceable Red/White plate included
- Mounts on outside of door
- Emergency coin operated release standard
- Functions available: 65, 66 and 68
- As retrofit, order 185PALP x finish

185PALP

50- Option Secured Indicator Rose

- Non-handed mounting
- VAC/OCC indicator plate standard, field replaceable Red/White plate included
- Mounts on outside of door
- Available for the following functions:
  24, 25, 26, 28, 29, 30, 36, 37, 38, 39, 40, 41, 43, 45, 50, 51, 52, 67
- Patent pending design
- For retrofit kits:
  Specify: 186PALP x finish

186PALP

NOTE: For 49- and 50- Options, key will not retract latchbolt when used with 37 and 38 functions lock, the key will lock and unlock outside trim

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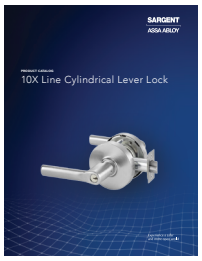
Cylinders, Latches, Strikes and Options

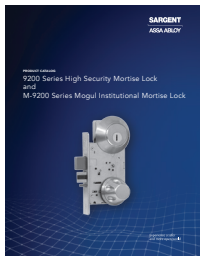
For a complete list of available cylinders, latches, strikes and cylinder options, please refer to the following catalogs:

10X Line Cylindrical Locks



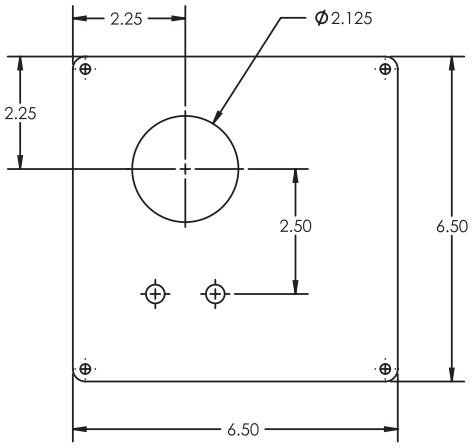
7800/8200 Series Mortise Locks

9200 Series Mortise Locks

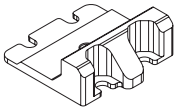


549 KIT FOR RETROFITTING ALP PUSH/PULL TRIM

Contains 2 retrofit plates and 8 screws. Use to cover prep from 114/115 and PT push/pull trim, as well as other manufacturer's trim, when retrofitting ALP trim. Available in 32D finish standard. Order kit #549.



684 POSITIVE PULL STOP KIT



- This kit prevents the latch from retracting when pulling the door closed.
- Used on openings where weather stripping is installed or when door closers are not utilized.
- Order kit # 684

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How To Order

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How to Order 10X Line BHW Cylindrical Locks

FW-	10X	G04	BHW	32D	RHR
Option	Series	Function	Trim	Finish	Hand
Multiple options can be selected	10X Line Cylindrical Lock	Page 13	BHW for 10X Line	32D	RHR
					RH
					LHR
					LH

How to Order 8200BHL/8200 BHW/8200ALP/7800 BHD/9200 BHD/9200 BHW Series Mortise Locks

10-	82	71	12VDC	BHL	32D	RHR
Options	Series	Function	Voltage	Trim	Finish	Hand
Multiple options can be selected	9200, 8200 or 7800 Mortise Lock	Page 13	12VDC 24VDC	BHL for 8200 BHW for 8200 or 9200 BHD for 7800 or 9200 ALP for 8200	32D	RHR
						RH
			Must be specified for Functions 70, 71, 72 & 73			LHR
						LH

How To Order 7800PT Series Mortise Locks

10-	82	71	12VDC	PT	32D	RHR
Options	Series	Function	Voltage	Trim	Finish	Hand
Multiple options be selected	7800 Mortise Lock	Page 13	12VDC 24VDC	PT for 7800	03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32, 32D	RHR
						RH
			Must be specified for Functions 70, 71, 72 & 73			LHR
						LH

How To Order 114/115 Series Push/Pull Units

P-	115	26D	RH
Options	Series	Finish	Hand
See page 5	114	03, 04, 09, 10, 10B, 10BE, 15, 26 & 26D	RHR
			LHR
	115		RH
			LH

How To Order HP Tubular Locks with ALP Trim

SG-	HP	U65	ALP	32D	RHR
Option	Series	Function	Trim	Finish	Hand
See page 4	HP Series Tubular Locks	15 - Passage 65 - Privacy	Push/Pull	32D	RHR
					LHR
					RH
					LH

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Finishes

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Finishes

10X Line with BHW Trim	8200 or HP locks with ALP Trim	8200 BHW, 8200 BHL, 7800 BHD, 9200 BHD, 9200 BHW	7800 Push/ Pull Trim (PT)	114/115 Push-Pull	Description	BHMA
			03	03	Polished brass, clear coated	605
			04	04	Satin brass, clear coated	606
			09	09	Polished bronze, clear coated	611
			10	10	Satin bronze, clear coated	612
			10B	10B	Oxidized bronze, oil rubbed	613
			10BE	10BE	Dark Oxidized Satin Bronze Equivalent	613E
			10BL		Oxidized satin, bronze, clear coated	613L
				15	Satin nickel, clear coated	619
			20D		Statuary dark bronze, clear coated	624
				26	Polished chrome	625
				26D	Satin chrome	626
			32		Polished stainless steel	629
32D	32D	32D	32D		Satin stainless steel	630

SG- MicroShield® antimicrobial clear powder coat (only available with 26D and 32D finishes)
Split Finishes - specify outside finish first, then inside finish example: US26D (outside) / US04 (inside)

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Certifications

CERTIFICATION/COMPLIANCE FPR 10X LINE CYLINDRICAL LOCKS

ANSI/BHMA	Certified ANSI/BHMA A156.2 (2022) Series 4000 — Grade 1 Certified ANSI/BHMA A156.41
UL/cUL	UL/cUL listed to US and Canadian safety standards for 3 hour doors up to 4' x 10' (double doors require 41- option)
UL294	Listed as an Access Control Accessory (10XG70 & 10XG71)
NFPA 80	Conforms for life safety and property protection, Standard for Fire Doors and Other Opening Protectives
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
ADA	The force required to activate all levers shall be 5 pounds (22.2N) maximum. All levers conform to ADA clear opening width requirements of ANSI A117.1.
California	California State Reference Code (Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face
Windstorm/Hurricane	All individual components of a total door opening are required to comply with each code.

Warranty for 10X Line Cylindrical Locks

Warranty	10 year limited warranty, 2 year limited warranty on electrified locks.

CERTIFICATION COMPLIANCE FOR 8200 & 7800 MORTISE LOCKS

ANSI/BHMA	Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1 with all standard trims. ANSI/ASTM F476-84 Grade 40 with concealed mortise cylinder. **NOTE:** LFIC (Removable) Cylinders and SFIC Cylinders do not meet Security Grade 1 requirements.
ADA	Meets A117.1 Accessibility Code. Meets BOMA International 4.13.8 Complies with American Disability Act; Consult local authorities
UL	UL and cUL Listed for use with 3 hour fire "A" label 4 x 10 single and 8 x 10 double and lesser class doors. UL symbol on front stamped letter F indicates listing.
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
California	California State Reference Code (Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face

Warranty for 8200 & 7800 Mortise Locks

Warranty	10 year limited warranty, 5 year limited warranty on motorized electric latch retraction (56-), 2 year limited warranty on electrified locks. Warranty limited to replacement of lockbody and/or components.

CERTIFICATION COMPLIANCE FOR HP TUBULAR LOCKS

ANSI/BHMA	Certified to ANSI/BHMA A156.2 Series 4000 Grade 1 with all standard trims.
ADA	Meets A117.1 Accessibility Code.
UL	UL and cUL Listed for use on 3 hour fire doors (4 x 8 single and smaller doors). UL symbol on front stamped letter F indicates listing.

Warranty for HP Tubular Locks

Warranty	1 year limited warranty. Warranty limited to replacement of Lockbody and/or components.

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

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2.1 HEAVY DUTY MORTISE LOCKS

A. Heavy duty mortise locks shall be 8200/7800 Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.
B. Locks shall meet or exceed the requirements of ANSI/BHMA A156.13 Series 1000, Operational Grade 1, and Security Grade 1 with all standard trims.
C. Locks shall be easily re-handed without opening the lock body.
D. Locks shall comply with UL 10C positive pressure requirements.
E. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of A label (3 hours) and less, for doors up to 4'0" (1.2m) x 10' 0" (3.05m) and pairs of doors 8'0" (2.4m) x 10' 0" (3.05m)
F. Construction:
   1. Lock functions shall be manufactured in a single-sized case formed from 12 gauge steel minimum.
   2. Lock cases shall be closed on all sides and back.
   3. Locks shall have field adjustable, beveled, armored front, with a 1/8" (3mm) thickness minimum.
   4. Locks shall have a one piece, 3/4" (19mm) throw anti-friction stainless steel latch.
   5. Deadbolts, where specified, shall be full one inch (25mm) throw made of one-piece hardened stainless steel.
G. Locks shall have a 2-3/4" (70mm) backset, standard.
H Strikes shall be non-handed with a curved lip.
I To ensure proper alignment, push/pull trim shall be through-bolted.
J. Locks shall have brass 6-Pin cylinder, standard.
K. Locks shall have a 10 year limited warranty. 2 year limited warranty on electrified locks.
L. Behavioral Health, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to accepted OMH requirements with ligature-resistant lever and escutcheon trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and escutcheons are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.
M. Behavioral Health, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to Office of Mental Health (OMH) requirements with behavioral health lever and rose trim. Locksets to be manufactured with a corrosion resistant, formed steel case.
   Levers and roses are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.

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2.2 10X LINE WITH BHW TRIM

A. Locks shall be 10X Line as manufactured by Sargent Manufacturing Company, New Haven, CT.
B. Locks shall be listed for low, medium and high risk areas in the New York State Office of Mental Health (NYS-OMH) Patient Safety Standard.
C. Locks shall be ANSI/BHMA Certified Products Directory (CPD) listed.
    1. A156.2, Series 4000, Grade 1
    2. A156.41
D. Locks shall exceed the requirements of ANSI/BHMA A156.2 Series 4000, Grade 1 with all standard trims.
E. Locks shall comply with UL 10C positive pressure requirements.
F. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of 3 hours (A label) and less, for doors up to 4'0" (1.2m) x 10'0" (3.0m) and pairs of doors 8'0" (2.4m) x 10'0" (3.0m)
G. Locks shall have a chassis design that supports all cylinder formats (except Keso) allowing flexibility for changing from fixed core to interchangeable core cylinders.
H. Lock lever and escutcheon shall be made of solid stainless steel material.
I. Locks shall have a 2-3/4" (70mm) standard backset.
J. Strikes shall be non-handed with a curved lip. Provide wrought boxes with strikes.
K. Locks shall be available with lead-lining and antimicrobial coating.
L. Exposed fasteners shall be provided as Torx® security pin standard.
M. Locks shall have brass 6-pin cylinder standard.
    1. Provide two nickel silver keys with each lock.
N. Electrified functions shall be provided with EcoFlex® Technology.
O. Locks shall have a ten-year limited warranty on mechanical components and a two-year limited warranty on electric components.

2.3 HP LOCKS WITH ALP TRIM

A. Bored hospital latches shall be HP Series as manufactured by Sargent Manufacturing Company, New Haven, CT.
B. Locks shall meet or exceed the requirements of ANSI/BHMA A156.2 Series 4000 Operational Grade 1.
C. Locks shall be easily re-handed with a non-handed curved lip strike.
D. Locks shall comply with UL 10C positive pressure requirements.
E. Lockset paddles shall be capable of horizontal or vertical mounting positions.
F. Locks shall have 2-3/4", 5" or 7" backset available.

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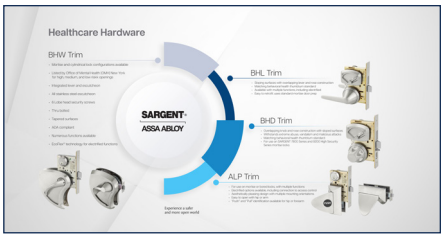
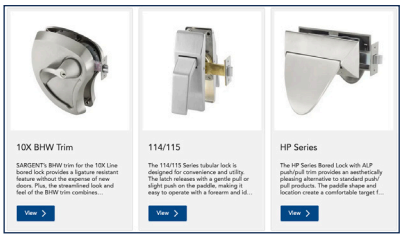
Additional Resources

Infographic (ALP)

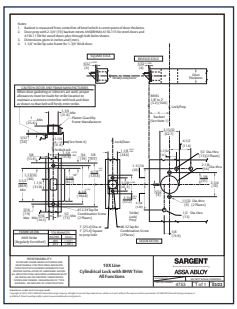


Healthcare Hardware Infographic



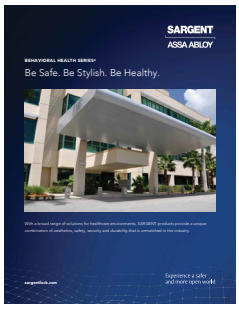
Specialty Healthcare Locks

Parts Manuals



Templates

SELL SHEETS



SARGENT Behavioral Healthcare

SARGENT Push/Pull Trim

SARGENT Push/Pull Trim for K-12 Environments

SARGENT BHL Trim

SARGENT Specialty Hardware BHW Trim

SARGENT 10X Line Bored Lock with BHW Trim

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

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

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90712 01/26

STUDIO collection

Leading THE Way BY Design

SARGENT®

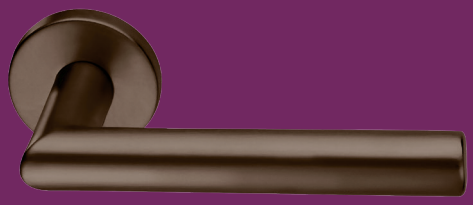
ASSA ABLOY

Experience a safer
and more open world

Leading THE Way

IN STYLE

The Studio Collection from SARGENT features superbly styled door trim available in a broad array of designs and finishes. This collection enables inspired design professionals to incorporate their aesthetic vision into any opening, allowing a consistent appearance regardless of the door's function.



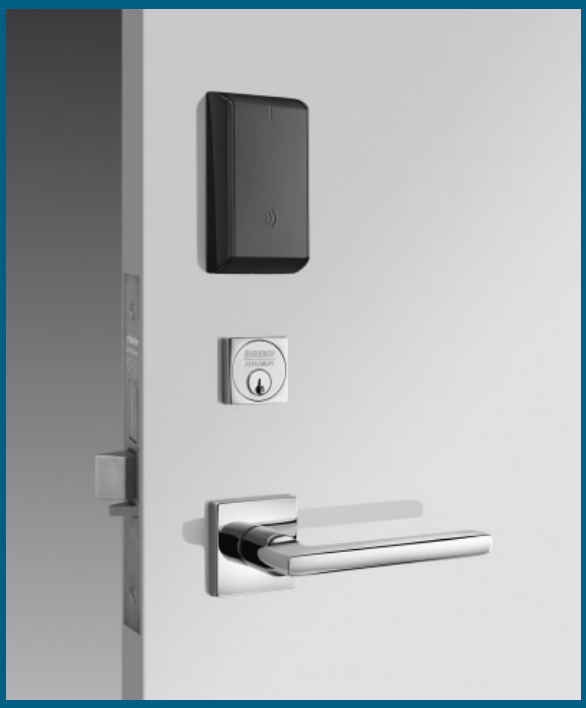
⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

Distinct, Stylish, Superb

HARDWARE OPTIONS

Studio Collection trim is compatible with SARGENT commercial grade mortise and tubular locks, exit devices, electromechanical and access control locks in a variety of applications.



Form + Function

Good design won't stop at the door. With SARGENT Studio Collection levers, architects and interior designers can create a harmonious balance of beautiful design and function. This design continuum allows one lever style to be carried across all product lines to any door opening in a building.

Unlock the possibilities.

Tubular Lock

For interior doors in hotel guest rooms, high-end apartments, condominiums and office buildings, the DL Series tubular lock is the answer. With its solid feel and smooth performance, the DL Series will exceed expectations.

Mortise Lock

Looking for a high-use, secure lock without compromising on design? Then SARGENT 8200 mortise locks are the answer. Whether it's for healthcare buildings, school and university applications or government facilities, this lock gives you the security, strength and aesthetics that you require.

Exit Device

Simplicity, strength and durability are a few things SARGENT PE80 Series exit devices bring to the door. Push bar on one side, beautiful lever on the other, these exit devices are the ideal choice for egress doors in applications such as theaters and conference rooms.

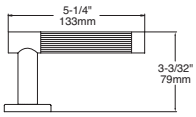
Access Control

High security has never looked this good. Available on mortise locks or exit devices, the SARGENT line of access control products are easily integrated into most access control systems and are the aesthetic choice for corporate institutions, healthcare facilities or any door that requires electronic security control.

Gramercy

Inspired by the architectural innovation of the New York City neighborhood of Gramercy, this collection of levers from SARGENT brings fashionable style and streamlined design to every opening.

RAG*



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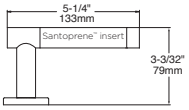
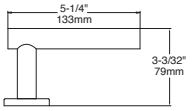
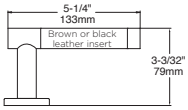


REM*

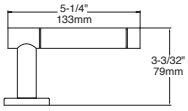


*Only offered in 32D, 32, 10BE, BSP and WSP finishes

RAL*



RAM*



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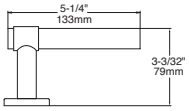
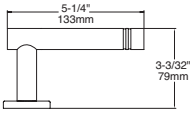


RGM*

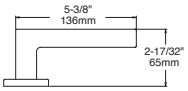


*Only offered in 32D, 32, 10BE, BSP and WSP finishes

Centro

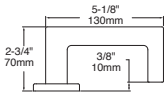
The heart of Rio de Janeiro, the Centro district is home to a colorful mix of historic churches and museums, and modern, high-rise office towers. The Centro Series reflects this contrast of classic and modern design, beauty and functionality.

MD

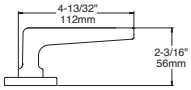


ND

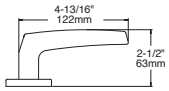
Lever returns within 1/2" (13mm) of door face



MP*

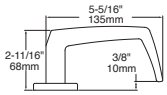


MJ



NJ

Lever returns
within 1/2" (13mm)
of door face

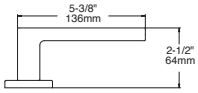


*MP is not offered in 32 or 32D finishes.

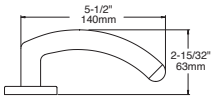
Aventura

Aventura, Florida is a tropical enclave of palm trees, sleek high-rises and luxurious villas. With timeless styling, the Aventura Series levers offer understated lines and a touch of elegance.

MB

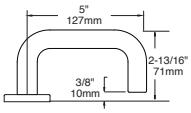


MG

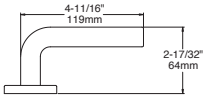


NF

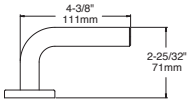
Lever returns within 1/2" (13mm) of door face



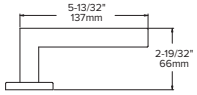
ME



MF

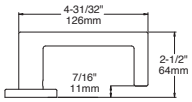


MI



MW

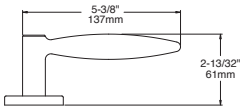
Lever returns
within 1/2" (13mm)
of door face



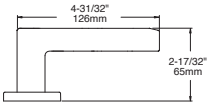
Notting Hill

London's most hip and fashionable neighborhood, Notting Hill is rich in diversity. With its variety of imaginative forms, the Notting Hill Series offers profiles that add interest and visual flavor.

MA

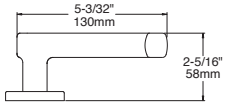


MT

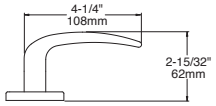


The Notting Hill Series is not offered in 32 or 32D finishes with the exception of GT.

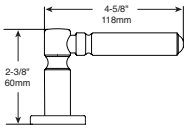
MQ



MO

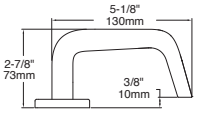


GT



MZ

Lever returns
within 1/2" (13mm)
of door face

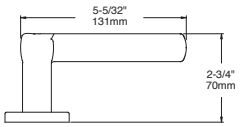


The Notting Hill Series is not offered in 32 or 32D finishes with the exception of GT.

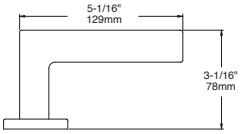
Odéon

Dramatic in design, the Odéon Series — named for the famous Parisian theatre — incorporates old world opulence with today's streamlined aesthetics.

MH

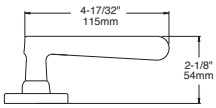


MU

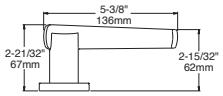


The Odeon Series is not offered in 32 or 32D finishes with the exception of WG.

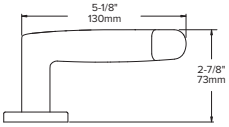
MN



MS

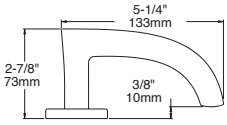


MV

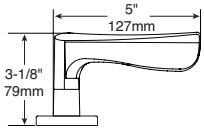


NU

Lever returns
within 1/2" (13mm)
of door face



WG

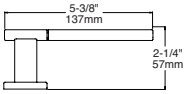


The Odeon Series is not offered in 32 or 32D finishes with the exception of WG.

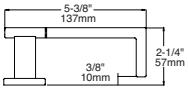
Wooster Square

One of New Haven's most prominent neighborhoods, Wooster Square, was the home to many SARGENT employees in the late 1800's. Reflective of the 19th century craftsmanship that these people brought to the area, the Wooster Square Series blends modern-day materials with tasteful, clean lines.

H001

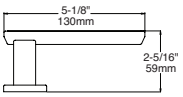


H002



Lever returns within 1/2" (13mm) of door face

H003



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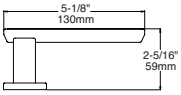

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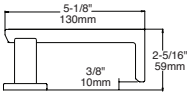
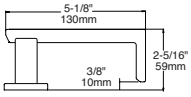


Lever returns
within 1/2" (13mm)
of door face

H006



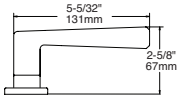
Lever returns
within 1/2" (13mm)
of door face

Note: H003 - H006 contains white or black polycarbonate insert
and are not available with MicroShield® antimicrobial coating

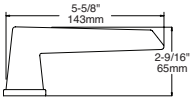
Grant Park

Known as Chicago's "front yard," Grant Park is located in the central business district. Influenced by Chicago's architectural innovation such as the Smurfit-Stone Building, the Grant Park Series levers are timeless, contemporary pieces with reserved ornamentation.

H007

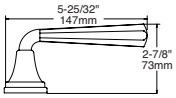


H008*



*Not offered with a privacy function on Tubular Locks (DLU65).

H011*

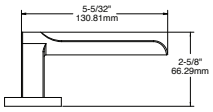


*Not offered with a privacy function on Tubular Locks (DLU65).

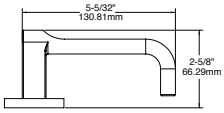
Berlin

Imagined in Berlin, Germany, Bauhaus design melds fine art and craftsmanship. Blending straight lines with flowing curves, The Berlin Series levers express luxury and sophistication.

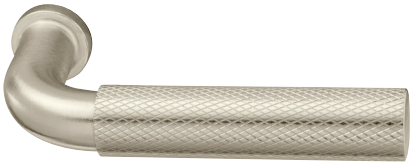
H015



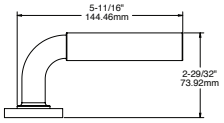
H016



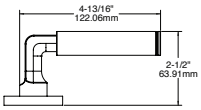
Lever returns within 1/2" (13mm) of door face



H017



H018



Roses

DL Tubular Lock Roses

TO Rose

CO Rose

O Rose

E2 Rose[1]

8200 & 7900 Mortise Lock Roses

TO Rose

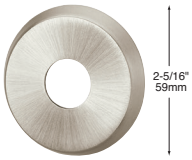
CO Rose

O Rose

E2 Rose[1]

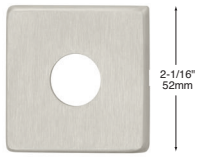
TR Rose

CR Rose



LN Rose

E3 Rose[1]



E4 Rose[1]

[1]Square cylinder collar and thumbturn backplate automatically supplied with E2 and E3 roses

Thumbturns + Escutcheons

8200 & 7900 Mortise Lock Thumbturns

Note: Thumbturn back plate will match rose design chosen

T1 Turn

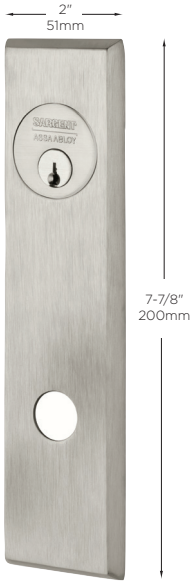
T2 Turn

T3 Turn

Escutcheons

TE Escutcheon

CE Escutcheon



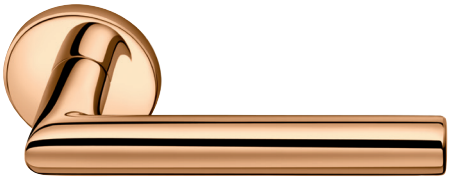
LE1 Escutcheon

Finishes

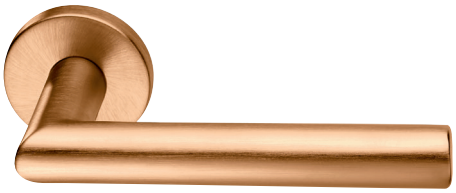
Picking a finish is like putting the icing on a cake. Choose one of Studio Collection's delicious 16 architectural finishes including brass, bronze, stainless steel and MicroShield® antimicrobial coating.

03 Bright Brass, Clear Coated

04 Satin Brass, Clear Coated

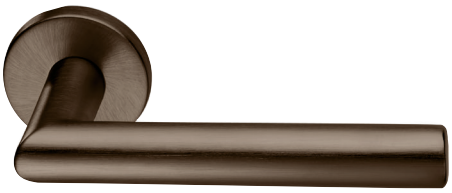


09 Bright Bronze, Clear Coated

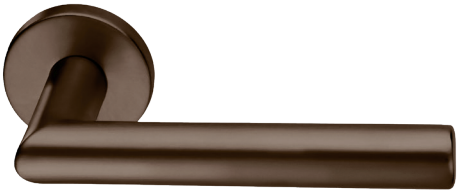


10 Satin Bronze, Clear Coated

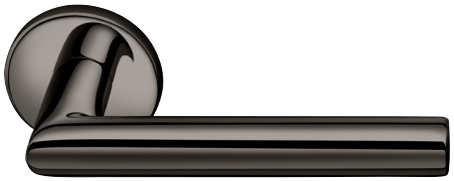
Note: Select lever styles not offered in stainless steel finishes (32/32D). Contact factory for availability.



10B Dark Oxidized Satin Bronze, Oil Rubbed

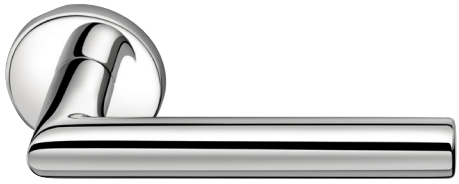


10BE Dark Oxidized Satin Bronze, Equivalent



10BL Dark Oxidized Satin Bronze, Clear Coated

20D Statuary Dark Bronze, Clear Coated



26 Bright Chrome Plated

26D Satin Chrome Plated

14 Bright Nickel Plated, Clear Coated

15 Satin Nickel Plated, Clear Coated

32 Bright Stainless Steel

32D Satin Stainless Steel

BSP Black Suede Powder Coat

WSP White Suede Powder Coat

Sophisticated Elegance

Black Suede (BSP) is a permanent matte finish that conveys sophisticated elegance. Tested to ANSI/BHMA A156.18 standards, BSP delivers a “suede-like” feel.

Durable and cost effective, this finish is available through several ASSA ABLOY Group brands.

To mix and match style and finishes, visit selector.sargentlock.com

Gramercy

RAG

RAL

RAM

RAS

RCM

REM

RGM

Centro

MD

MJ

MP

ND

NJ

Aventura

MB

ME

MF

MG

MI

MW

NF

Berlin

H015

H016

H017

H018

All levers meet ADA guidelines

Notting Hill

MA

MO

MQ

MT

GT

MZ

Odéon

MH

MN

MS

MU

MV

NU

WG

Wooster Square

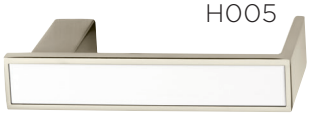
H001

H002

H003

H004

H005



H006

Grant Park

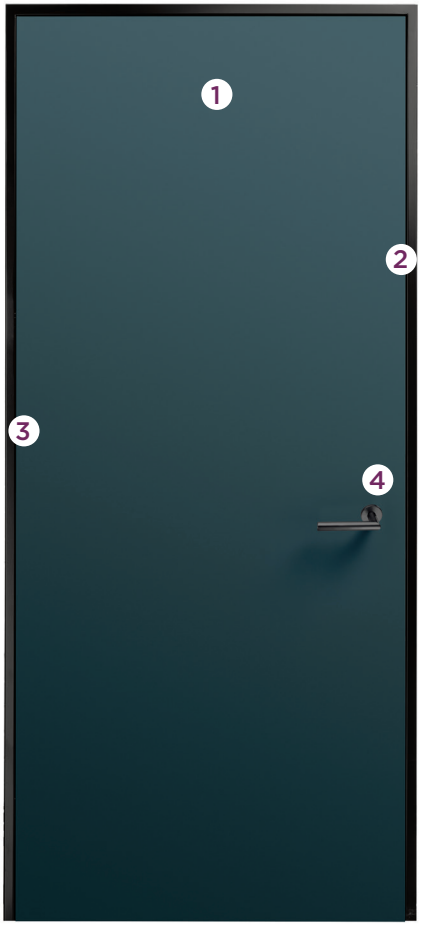
H007

H008

H011

the good design studio

With ASSA ABLOY, it's not just about good looking door hardware...it's about the entire opening. Beautiful doors and frames, pulls, hinges, coat hooks, door stops and of course...locks, access control and exit devices with superbly stylized levers. ASSA ABLOY Group companies offer suited door openings in the epic pursuit of Good Design and the Total Aesthetic Opening.



1. CECO DOOR and CURRIES Flush Steel Door
2. CECO DOOR and CURRIES 1-Inch, Narrow Profile Steel Frame
3. McKinney Concealed Hinges (ASSA ABLOY)
4. Mortise lock with decorative lever (SARGENT)

the good design studio

One of many collections offered through ASSA ABLOY Group brands and showcased at The Good Design Studio. Visit www.thegooddesignstudio.com to learn more.

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

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

STUDIO
collection

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FOR YOU

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800-727-5477 • www.sargentlock.com
www.studiocollection.com

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SARGENT®

ASSA ABLOY

TurboShip

Experience a safer
and more open world

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TurboShip

SARGENT
ASSA ABLOY
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⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

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General Information

TurboShip

Program Guidelines

- Only products listed in this brochure are available on Turbo. Products not listed in this brochure will automatically be entered at standard factory production lead times
- Please refer to the SARGENT Price Book for product pricing information
- Cylinders are packed separately within the product box
- The TurboKeyway is LA, furnished with nickel silver keys, for all products requiring a keyed function
- Standard Keying - 1-BITTED (111111) keying with LA Keyway. If Keyed Different is desired, specify KD(LA)
- Electrified products offered are available in 12VDC or 24VDC
- The #34 rim and #41, #42, #47-41-101 mortise cylinders are available in LA keyway only

24-Hour

- Orders received prior to 1pm EST will ship within 24 hours
- Quote pricing cannot be used on 24 hr TurboShip orders
- Standard Buying Program discounts *less 10%* are automatically applied
- Electrified products – Maximum 50 locks per order
- Orders cannot be changed or cancelled

1-Week

- Orders received prior to 4:30 EST will ship within 5 working days
- Standard Buying Program discounts apply
- Project quote discount *less 5%* is automatically applied
- Orders can be changed or cancelled within 24 hrs of receipt without a fee, if manufacture of product has not started
- If product has been started, orders changed or cancelled will incur a 45% fee
- The change/cancellation fee will be billed on the Customer's original order

2-Week

- Orders received prior to 4:30 EST will ship within 10 working days
- Standard Buying Program discount or project quote discounts are applicable
- Limited to $50,000 net/net orders
- Orders changed or cancelled 3 days after receipt of order will affect the shipping date and will result in a charge of cost for materials and incurred labor
- If the product has been made, a 45% fee will apply
- The change/cancellation fee will be billed on the Customer's original order

Shipments

- All shipments are made F.O.B. factory. Shipments may be subject to small parcel handling charges and fuel surcharges as part of the freight.
- Shipping charges are prepaid and will be added to your invoice
- UPS Ground is the standard freight carrier

Returns

- Refer to the SARGENT Price Book for the policy on returned goods.

How To Order

1. Please use a separate Order Form for each Turbo Program used, Turbo - 24 -hour, 1-Week, 2-Week, or TurboKey.
2. This catalog contains one Order Form. Copy Order Forms from this catalog as needed.
   Note: The Order Form is your Purchase Order – Do not send a cover sheet. If your order is duplicated, it cannot be returned.
3. You may fax the preprinted SARGENT Turbo Program to 1-800-906-6606 or email to turboorders.sargent@assaabloy.com.
4. If you use your own purchase order forms instead of the pre-printed SARGENT form, please supply the information in the proper SARGENT nomenclature so your order can be processed without delay:

Ordering Example

Quantity	Options	Product	Trim	Finish	Hand	Rail Size
5	12	8813	ETJ	32D	RHR	G

**All orders must have complete information for processing.*
Please reference the SARGENT price book for specifics about freight and special shipping requests.

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TurboKey Information

TurboShip

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General Information

1. TurboKey orders for simple Masterkeyed jobs & existing conventional cylinder systems that were developed after 1997, received prior to 3 PM EST will be scheduled to ship 8 working days after receipt of order.
2. TurboKey orders for simple Masterkeyed jobs are available in SARGENT LA Keyway only.
3. TurboKey orders are available in conventional 6 pin cylinders only, Prefixes are not available.
4. Buying Program discount is automatically applied. No additional discount may be applied.
5. TurboKey orders cannot be changed or cancelled.

Program Guidelines

- All products available on 1 week Turbo are available on TurboKey. Products not listed in this brochure will be entered at standard factory lead times.
- TurboKey orders for existing conventional cylinder systems that were developed after 1997 are available in all SARGENT keyways except single keyway sections R, S, U and CR, along with C Keyway
- Orders must be received on the provided TurboKey forms
- NO changes or cancellations will be allowed
- Only keysets can be stamped on keys. Stamping of phrases like "DO NOT DUPLICATE," for example, is not offered.
- 2 keys per cylinder will be provided. NO Exceptions
- One Masterkey system per order
- 6 masterkeys will be provided with each order
- NO door schedules or key schedules will be accepted as orders
- NO cross-keying
- No Degree, Keso F1, KESO, XC, Signature, 5100/6300 LFIC (Removable) Cores, or Best I.C.
- Additions to existing TurboKey generated systems. Please note that these orders DO NOT go through keying review. Keysets will be furnished as ordered. Please refer to the bitting list that was provided with the original order for keyset information
- Key Registration number must be furnished with order number

Simple Masterkey System Guidelines

- All General Guidelines apply as noted above
- LA Keyway ONLY
- Simple level 2 Masterkey systems only
- Construction keying 21 option (lost ball) available
- Maximum of 150 keyed cylinders per order; Maximum of 50 keyed cylinders per order for existing systems
- 3 construction keys will be provided on 21 option construction key systems
- For new Masterkey systems or additions to TurboKey generated systems only. Expanded bitting lists will be provided to the distributor on every order. Orders with less than 40 changes, expansion will be 60 total. Orders with greater than 40 changes, expansion will be 256 changes.
- For NEW masterkey systems or TurboKey generated systems or TurboKey generated systems ONLY.
- TurboKey system numbers begin with LT

How to Order

1. Orders must be received on the Order Forms provided and specified as a TurboKey Program Order.
2. Please do not combine with any other orders.
3. Order Forms are your Purchase Orders –
   Do not send a cover sheet. If your order is duplicated, it cannot be returned.
4. You may fax the preprinted SARGENT Turbo Program order forms to 1-800-906-6606 or email to turboorders.sargent@assaabloy.com.

Returns

- Refer to the SARGENT Price Book for the policy on returned goods

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Cylinders

Bored Lock & Mortise Lock Cylinders

Cylinders and keys provide the right level of control with a full range of options.

Bored Lock Cylinders

Program	Options	Cylinder Type	Finishes
1-Week & 2-Week	KD	C10-1 C10X-1	04, 15

Mortise Cylinders

Program	Options	Cylinder Type	Finishes
24-Hour	KD, SC*, 60**	34 41	32D
1-Week & 2-Week		34 41 42 41-101	03, 04, 10,10B, 10BE, 32, & 32D

Options

KD	Keyed Different
SC	Schlage "C" Keyway
60	Disposable Construction Core

Finishes

03	Bright Brass
04	Dull Brass
10	Satin Bronze
10B	Oxidized Satin Bronze
10BE	Dark Oxidized Satin Bronze - Equivalent
15	Satin Nickel
32	Bright Stainless Steel
32D	Satin Stainless Steel

Cylinder Types

34	Rim Cylinder
41	Mortise Cylinder (1-1/8")
42	Mortise Cylinder (1-1/4")
41-101	Mortise Cylinder with 101 Cam (13-0512) - (Adams Rite 1850 & 4700)
42-101	Mortise Cylinder with 101 Cam (13-0512) - (Adams Rite 1850 & 4700)
C10-1	10, 7, 6500 Line Cylinder
C10X-1	10X Line Cylinder

** Not available with 42 cylinder*

*** Not available with 41 cylinder*

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Cylinders

Parts

Program	Part #	Description	Cylinder/ Product	Finish	Keyways	Restricted Keyways
1-Week & 2-Week	13-2005	Body & Slide Assembly	34 & 41	03, 04, 10, 10B, 26, 26D, 32, 32D	N/A	N/A
	13-0664	Standard Cam	41	N/A		
	01-1121	Cam Screws				
	13-0512 (101)	Adams Rite Cam				
	13-1341	Slide*	34 & 41, 480 Line, 6 Line, 6500 Line, 7 Line, 10 Line, 10X Line, 11 Line			
	13-0086	Cylinder Back Plate	34			
	13-0085	Rim Tail Piece				
	13-0074	Standard Connecting Screws				
	13-0080	Plug Retainer				
	13-3257	Body & Slide Assembly	6 Line, 6500 Line, 7 Line, 10 Line, 10X Line, 11 Line			
	13-0908	Tail Piece	6 Line			
	13-0205	Plug Retainer	6 Line, 6500 Line, 7 Line, 10 Line, 10X Line, 11 Line			
	13-0401	Plug	41	04, 15	LA, LB, LC, LE, LF, LG,LJ, LK, LL, RA, RB, RC, RE, RF, RG, RJ, RK, RL	AA, AB, AC, AE, AF, AG, AJ, AK, AL, BA, BB, BC,-GA, GB, GC, GE, GF, GG, GJ, GK, GL, KA, KB, KC, KE, KF, KG, KJ, KK, KL, VA, VB, VC, VE, VF, VG, VJ, VK, VL, NA, NB, NC, NE, NF, NG, NJ, NK, NL
	13-0090		34			
	6251 CMK	Temporary Construction Removeable Core Master Key	11, 10X, 10, 7, & 6500 Line	N/A	N/A	N/A
	6251 CTL	Temporary Construction Removeable Core Control Key				
	6400	Construction Core		04		
	65-6300	Unassembled Core		04, 15	LA, LB, LC, LE, LF, LG, LJ, LK, LL, HA, HB, HC, HE, HF, HG, HJ, HK, HL RA, RB, RC, RE, RF, RG, RJ, RK, RL	

** Used for cylinders manufactured after June 2009 (Sold in sets of 100 units)*

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Cylinders

Parts

Program	Part #	Description	Cylinder/ Product	Finish	Keyways	Restricted Keyways
1-Week & 2-Week	13-3425	Plug	7 Line, 8 Line, 8X Line	04, 15	LA, LB, LC, LE, LF, LG, LJ, LK, LL, RA, RB, RC, RE, RF, RG, RJ, RK, RL	AA, AB, AC, AE, AF, AG, AJ, AK, AL, BA, BB, BC, GA, GB, GC, GE, GF, GG, GJ, GK, GL, KA, KB, KC, KE, KF, KG, KJ, KK, KL, VA, VB, VC, VE, VG, VG, VJ, VK, VL, NA, NB, NC, NE, NF, NG, NJ, NK, NL
	13-0874	Plug	470, 480 7500			
	13-3142	Plug w/ Retainer	6 Line, 6500 Line, 7 Line, 10 Line, 10X Line, 11 Line			
	06-0166	Plug w/ Retainer	7,8,9 knobs (prior to March 2005)	N/A	N/A	N/A
	13-0895	Tail Piece	6500 Line, 7 Line, 10 Line	N/A	N/A	N/A
	13-1385		11 Line			
	10-3629	Tail Piece Pack (used with mechanical functions)	10X Line			
	10-3791	Tail Piece Pack (used with electrified functions)	10X Line			
	13-0878	Tail Piece	464, 474,484			
	13-0880		465, 485, 487			
	13-0881		475, 486			
	13-0882	Tail Washer	484			
	13-0883		464, 465, 485, 486, 487			
	13-0680	Tail Piece Retainer	6500 Line, 7 Line, 10 Line, 10X Line, 11 Line			
	13-0875	Cap	480 Line			
	13-1554	Cap Pin	480 Line - Effective 6/03			
	13-0691					
	13-1555	Cap Spring				
	13-0693		480 Line - Prior to 6/03			
	13-2048	Body & Slide Assembly	8 and 9 knobs			
	13-3493	Body & Slide Assembly	460 Line, 470 Line, 480 Line			
	13-0884	Blocking Piece	460, 470, 480			

** Discontinued product*

*** Used for Cylinders manufactured after June 2008 (sold in sets of 100 units)*

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Cylinders

Parts

10 Line & 7 Line Interchangeable Core Tail Pieces

Program	Part #	Description	Cylinder/ Product
1-Week & 2-Week	10-3429	LFIC XC LFIC Degree	11-6300, DGX-6300
	10-0239	LFIC Conventional LFIC Signature	6300, 10-6300
	10-0239	SFIC 6 Pin	7300B
	10-0286	SFIC 6 Pin	7300B
	10-0240	SFIC 7 Pin	7P-7300B
	10-3138	SFIC XC	11-7P-7300B

10X Line Interchangeable Core Tail Pieces

Program	Part #	Description	Cylinder/ Product
1-Week & 2-Week	10-3631	LFIC Conventional LFIC Signature & LFIC Degree (used with mechanical functions)	6300, 10-6300, DGX-6300
	10-3773	LFIC Conventional LFIC Signature & LFIC Degree (used with electrified functions)	6300, 10-6300, DGX-6300
	10-3635	LFIC XC (used with mechanical functions)	11-6300
	10-3777	LFIC XC (used with electrified functions)	11-6300
	10-3633	SFIC 6 Pin (used with mechanical functions)	7300B
	10-3775	SFIC 6 Pin (used with electrified functions)	7300B
	10-3641	SFIC 7 Pin SFIC XC (used with mechanical functions)	7P-7300B, 11-7P-7300B
	10-3779	SFIC 7 Pin SFIC XC (used with electrified functions)	7P-7300B, 11-7P-7300B

11 Line Interchangeable Core Tail Pieces

Program	Part #	Description	Cylinder/ Product
1-Week & 2-Week	11-0172	LFIC Conventional LFIC Signature	6300, 10-6300
	11-5003	LFIC XC & LFIC Degree	11-6300, DGX-6300
	11-0171	SFIC	7300B
	11-0172	SFIC 7 Pin	7P-7300B
	11-0276	SFIC XC	11-7P-7300B

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Cylinders

Parts

Program	Tool #	Description
1-Week & 2-Week	436-1	Slide Block Kit
	432RC	LFIC Installation Tool
	432IC	SFIC Installation Tool
	13-0064 Size 1 13-0065 Size 2 13-0066 Size 3 13-0067 Size 4 13-0068 Size 5 13-0069 Size 6 13-0070 Size 7 13-0071 Size 8 13-0072 Size 9 13-0073 Size 10 13-0061 Size 12 13-0062 Size 13 13-0063 Size 14	Bottom Pins
	13-0051 Size 2 13-0052 Size 3 13-0053 Size 4 13-0054 Size 5 13-0055 Size 6 13-0056 Size 7 13-0057 Size 8 13-0058 Size 9 13-0059 Size 10 13-0060 Size 11 13-0061 Size 12 13-0062 Size 13 13-0063 Size 14	Master Pins (Splits)
	13-0265 13-1769	Springs
	437S 437RC 437DG1 437DGM	Keying Kits
	13-1341	Slide

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Cylinders

Degree Parts

Program	Option	P/N	Description	Finishes
1-Week & 2-Week	DG1, 60, UC	34	Rim Cylinder	03, 04, 10, 10B, 10BE, 15, 32, 32D
		41	Mortise Cylinder (1-1/8")	
		42	Mortise Cylinder (1-1/4")	
		41-101	Mortise Cylinder with 101 Cam (13-0512) - (Adams Rite 1850 & 4700)	
		42-101	Mortise Cylinder with 101 Cam (13-0512) - (Adams Rite 1850 & 4700)	
	DG1, UC	C10-1	10, 7, 6500 Line Cylinder	04, 15
	DG1, UC	C10X-1	10X Line Cylinder (mechanical functions)	
	DG1, UC	C10X-1E	10X Line Cylinder (electrified functions)	
	DG1, UC	6300	LFIC Cylinder	

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Cylinders

Degree Parts

Program	P/N	Desc.	Finishes	Product
1-Week & 2-Week	DG-2894	Plug	04, 15	34
	DG-2911			41
	DG-2912			42
	DG-4653	Cylinder Shell	03, 04, 10, 10B, 26, 26D	34
	DG-4001			41
	DG-4002			42
	DG-0001	Standard Cam		41, 42
	DG-0016	Cam Screws		41, 42
	DG-0090	Retainer		34
	DG-0195	Tailpiece Retainer		34
	DG-0196	Rim Tail Piece		34
	DG-0040	Spring Cover		34, 41, 42
	13-0074	Standard Connecting Screws		34
	13-0086	Rim Cylinder Back Plate		34
	DG-3061	Plug w/Retainer	04, 15	6 Line, 6500 Line, 7 Line, 10 Line, 10X Line, 11 Line
	DG-0171	Cylinder Shell		6 Line, 6500 Line, 7 Line, 10 Line, 10X Line, 11 Line
	13-0680	Tail Piece Retainer		6500 Line, 7 Line, 10 Line, 10X Line, 11 Line
	13-0895	Tail Piece		6500 Line, 7 Line, 10 Line
	13-0907			6 Line (S & N knobs)
	13-0908			6 Line (B knob)
	13-1385			11 Line
	10-3629	Tail Piece Pack (used with mechanical functions)		10X Line
	10-3791	Tail Piece Pack (used with electrified functions)		10X Line
	DG-0090	Plug Retainer		6 Line, 6500 Line, 7 Line, 10 Line, 10X Line, 11 Line
	13-1341	Spring Cover		6 Line, 6500 Line, 7 Line, 10 Line, 10X Line, 11 Line
	DG-0200	Plug	04, 15	6300
	DG-0290	Cylinder Shell	04, 15	
	DG-0215	Control Sleeve		
	DG-0097	Compression Spring, LFIC		
	DG-0017	Compression Spring		
	DG-0090	Plug Retainer		
	DG-0059	Sidebar Spring		
	DG-0056	Sidebar		
	DG-0040	Spring Cover		
	437DG1	Pin Kit		DG1 Only
	DG-0027	0 Bottom Pins		All Cylinders
	DG-0021	1 Bottom Pins		
	DG-0022	2 Bottom Pins		
	DG-0023	3 Bottom Pins		
	DG-0024	4 Bottom Pins		
	DG-0025	5 Bottom Pins		
	DG-0026	6 Bottom Pins		
	DG-0051	1 Master Pins		
	DG-0052	2 Master Pins		
	DG-0053	3 Master Pins		
	DG-0054	4 Master Pins		
	DG-0055	5 Master Pins		
	DG-0246	6 Master Pins		
	DG-0051	1 Top Pins		
	DG-0052	2 Top Pins		
	DG-0053	3 Top Pins		
	DG-0054	4 Top Pins		
	DG-0045	5 Top Pins		
	DG-0044	6 Top Pins		
	DG-0043	7 Top Pins		
	DG-0042	8 Top Pins		
	DG-0041	9 Top Pins		
	DG-0246	6 Top Pins		
	DG-0247	7 Top Pins		
	DG-0248	8 Top Pins		
	DG-0249	9 Top Pins		
	DG-0250	10 Top Pins		
	DG-0251	11 Top Pins		
	DG-0252	12 Top Pins		
	DG-0017	Compression Spring		

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Cylinders

Keyblanks

Program	Tools	Description	Keyways	Restricted Keyways
1-Week & 2-Week	6275	6 Pin Change/ Day Keyblanks	L-Series: LA, LB, LC, LE, LF, LG, LJ, LK, LL H-Series: HA, HB, HC, HE, HF, HG, HJ, HK, HL R-Series: RA, RB, RC, RE, RF, RG, RJ, RK, RL	A-Series: AA, AB, AC, AE, AF, AG, AJ, AK, AL B-Series: BA, BB, BC, BE, BF, BG, BJ, BK, BL G-Series: GA, GB, GC,GE, GF, GG, GJ, GK, GL K-Series: KA, KB, KC, KE, KF, KG, KJ, KK, KL N-Series: NA, NB, NC, NE, NF, NG, NJ, NK, NL V-Series: VA, VB, VC, VE, VF, VG, VJ, VK, VL
	11-6275	6 Pin Change/ Day Keyblanks	L-Series: LA, LB, LC, LE, LF, LG, LJ, LK, LL R-Series: RA, RB, RC, RE, RF, RG, RJ, RK, RL	N/A
	6 Pin Keyblanks (6285B)	Small Format 6 or 7 Pin Keyblanks	4A	4B
	7 Pin Keyblanks (7285B & 11-X7285B)			
	6270	6 Pin Master Keyblanks	L-Series: LD, LH, LM, LN, LDH, LDM, LHM H-Series: HD, HH, HM, HN, HDH, HDM, HHM R-Series: RD, RH, RM, RN, RDH, RDM, RHM	A-Series: AD, AH, AM, AN, ADH, ADM, AHM B-Series: BD, BH, BM, BDH, BDM, BN G-Series: GD, GH, GM, GN, GDM, GHD, GHM K-Series: KD, KH, KM, KN, KDH, KDM KHM N-Series: ND, NH, NM, NN, NDH, NDM, NHM V-Series: VD, VH, VM, VN, VDH, VDM, VHM
	11-6270	6 Pin Master Keyblanks (XC Cylinders)	L-Series: LD, LH, LM, LN, LDH, LDM, LHM R-Series: RD, RH, RM, RN, RDH, RDM, RHM	L Series: LD, LH, LM, LN, LDH, LDM, LHM R Series: RD, RH, RM, RN, RDH, RDM, RHM

Note:
Restricted Keyblanks require a copy of end users Purchase Order or letter of authorization w/purchase order.

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Program	6 Pin Change/Day Keyblanks	Patented Keyways
1 Week & 2 Week	DG6275	DG1: TA, TB, TC, TE, TF, TG, TJ, TK, TL
	DS6275	DG2, DG3: TA, TB, TC, TE, TF, TG, TJ, TK, TL
	DG6270	DG1: TD, TH, TM, TDH, THM, TN
	DS6270	DG2, DG3: TD, TH, TM, TDH, THM, TN

Degree DG1 Required Administrative Documents

All Degree DG1 Keyblank turbo ship orders require a system registration number and a letter of authorization if the product is shipped to an address other than what's recorded on the System Information Document and/or if the address on the purchase order is different than what is listed on the System Information Document.

Degree DG2 & DG3 Required Administrative Documents

A specific randomized security code will be required for each order unless "Opt-Out" has been authorized by the system administrator.

If the "Opt-Out" option is NOT selected

- A correct system specific (randomized) security code must be included with each subsequent order.

  *Security codes are specific to each order.
- If the shipping address is other than the one listed on the System Information Document, a Letter of Authorization signed by one of the recorded authorized representative of the facility must accompany the order.
- Letter of Authorization must contain the same shipping address that appears on the customer's purchase order.
- Letter of Authorization will not be kept on file at factory
- Without the proper security code, Letter of Authorization, or if the shipping address is other than what is listed on the System Information Document, the order cannot be processed.

If the "Opt Out" option WAS selected

- If the shipping address is other than the one listed on the System Information Document, a Letter of Authorization signed by one of the recorded authorized representative of the facility must accompany the order.
- Letter of Authorization must be signed by one of the facility's authorized representatives.
- Letter of Authorization must contain the same shipping address that appears on the customer's purchase order.
- Letter of Authorization will not be kept on file at factory

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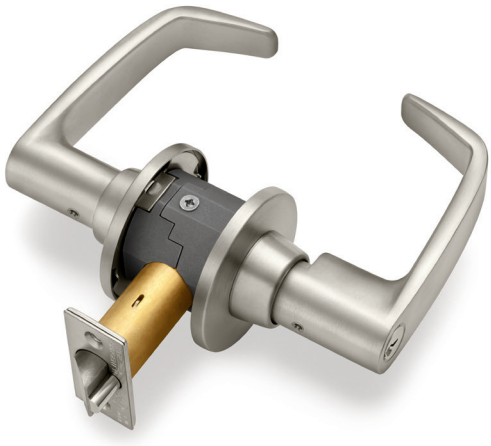
Bored Locks

11 Line

The SARGENT 11 Line is designed to meet the rigorous demands of Grade 1 bored lock applications. Its TZone construction enhances strength and durability, making it well-suited for high-traffic environments such as schools and hospitals. This design ensures reliable performance and exceeds ANSI/BHMA A156.2 Series 4000 Grade 1 standards.



B Lever

L Lever

L Rose
(3-1/2" Diameter)

O Rose
(2-3/4" Diameter)

Program	Options	Functions	Rose	Lever	Finishes
1-Week	30, 60, 70, KD, LC, SC, WBS	28-11G04, 28-11G05, 28-11U15*, 28-11G16, 28-11G37, 28-11G38, 28-11U65*	L, O	B, L	10BE, 26D, BSP
2-Week			L		

Cylinder Options

30	Lever to accept Schlage cylinders - no cylinder provided
60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Mechanical Options

WBS	Wrought Box Strike

Finishes

10BE	Dark Oxidized Satin Bronze - Equivalent
26D	Satin Chrome

Functions

28-11G04	Storeroom
28-11G05	Office
28-11U15*	Passage
28-11G16	Classroom/Security
28-11G37	Classroom
28-11G38	Security Classroom
28-11U65*	Bathroom/Privacy

** Cylinder options are not available*

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The SARGENT 10X Line bored lock is engineered to secure and protect high-traffic, high-abuse spaces. It doesn't simply meet ANSI/ BHMA Grade 1 performance standards for durability, strength and performance, it exceeds them - by as much as 20 times. That means occupants will experience reliable performance throughout its lifecycle.

Program	Options	Functions	Rose	Lever	Finishes
24-Hour**	30, 60, 70, FW, KD, LC, RX, SC, WBS	10XG04, 10XG05, 10XG15, 10XG37, 10XU65	G, L	B, L, P, MD, ND, MB, MW	26D BSP
1-Week		10XG04, 10XG05, 10XU15*, 10XG15-3*, 10XG16, 10XG24, 10XG37, 10XG38, 10XU65*, 10XG70, 10XG71, 10XU93*, 10XU94*			
2-Week					

Cylinder Options

30	Lever to accept Schlage cylinders - no cylinder provided
60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Mechanical Options

FW	Freewheeling
WBS	Wrought Box Strike

Finishes

26D	Satin Chrome
BSP	Black Suede Powder Coat

Functions

10XG04	Storeroom
10XG05	Office
10XU15*	Passage
10XG15-3*	Exit or Twin Communicating
10XG16	Classroom Security Apartment/ Exit/ Privacy
10XG24	Entrance/Office
10XG37	Classroom
10XU65*	Bathroom/Privacy
10XG70	Fail Safe
10XG71	Fail Secure
10XU93*	Single Lever Pull
10XU94*	Double Lever Pull

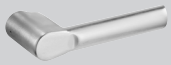
**Cylinder options are not available*
***Limit of 25 units per order*

B Lever

L Lever

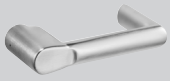
P Lever

MB Lever



MD Lever

MW Lever



ND Lever

G Rose
(3-1/2" Diameter)

L Rose
(3-1/2" Diameter)

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Bored Locks

10X Line with VSL Indicator Trim

The SARGENT 10X Line with status indicator is designed for high-traffic, high-demand spaces that require both privacy and peace of mind. Built on a Grade 1 lock body, it exceeds ANSI/BHMA performance standards — by up to 20 times. With six customizable indicator windows, one-motion egress, and non-handed installation, it delivers instant lock-status visibility and lasting durability for restrooms, classrooms, and more.

Note: If the following indicator option codes are ordered, the trim required for the opposite side of the door must be specified:

- V30
- V60
- V03
- V06

If not specified, then LL will be provided.

Program	Options	Functions	Trim	Finishes
2-Week	30, 60, 70, FW, KD, LC, SC, WBS	10XG04, 10XG05, 10XG14, 10XG24, 10XG37, 10XG38*, 10XG44, 10XG53, 10XG54**, 10XU65, 10XU66, 10XU68	VSLL	26D

Indicator Options (must be specified)

V30	Indicator Outside Only, Green/Red
V60	Indicator Outside Only, White/Red
V03	Indicator Inside Only, Green/Red
V06	Indicator Inside Only, White/Red
V33	Indicator Both Sides, Green/Red
V66	Indicator Both Sides, White/Red

Cylinder Options

30	Lever to accept Schlage cylinders - no cylinder provided
60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Mechanical Options

FW	Freewheeling
WBS	Wrought Box Strike

Limit of 25 units per order

** V03 or V06 only*
*** V30 or V60 only*

Finishes

26D	Satin Chrome

Functions

10XG04	Storeroom
10XG05	Office
10XG14	Patio/Privacy
10XG24	Entrance/Office
10XG37	Classroom
10XG38*	Classroom Security Intruder
10XG44	Service Station
10XG53	Dormitory
10XG54**	Dormitory
10XU65	Bathroom/Privacy
10XU66	Bathroom/Privacy
10XU68	Hospital Privacy

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The SARGENT 7 Line is a key-in-lever lock designed for standard duty commercial interior and exterior applications in public buildings, medical offices, hotels/motels and government facilities. Exceeds ANSI/BHMA A156.2 Grade 2 standards for cycling and durability.

Program	Options	Functions	Rose	Lever	Finishes
24-Hour	KD	7G04, 7G05, 7U15*, 7G37, 7U65*	L	L	26D
1-Week	1, 20, 30, 60, 70, KD, LC, SC, WBS	7G04, 7G05, 7U15*, 7G15-3*, 7G37, 7U65*, 7U93*, 7U94*		B, L, P	10BE, 26D
2-Week					10BE, 26D, BSP

Cylinder Options

30	Lever to accept Schlage cylinders - no cylinder provided
60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Mechanical Options

1	for 1-3/8" thick door
20	for 2-3/8" Backset
29	2-3/4" (70mm) curved lip strike #800
WBS	Wrought Box Strike

Functions

7G04	Storeroom
7G05	Office
7U15*	Passage
7G15-3*	Exit or Twin Communicating
7G37	Classroom
7U65*	Bathroom/Privacy
7U93*	Single Lever Pull
7U94*	Double Lever Pull

Finishes

10BE	Dark Oxidized Satin Bronze - Equivalent
26D	Satin Chrome
BSP	Black Suede Powder Coat

B Lever

L Lever

P Lever

L Rose
(3-1/2" Diameter)

** Cylinder options are not available*

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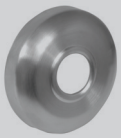
A standard duty key-in-lever lock designed to exceed the requirements of ANSI/BHMA A156.2 Series 4000 Grade 2.

L Lever

K Rose



Program	Options	Functions	Rose	Lever	Finishes
1-Week & 2-Week	KD, SC, 20, LC, WBS	65G04, 65G05, 65U15*, 65G37, 65U65*, 65U93*, 65U94*	K	L	10BE, 26D

Cylinder Options

KD Keyed Different (LA Keyway Only)
SC Schlage "C" Keyway
LC Less Cylinder

Mechanical Options

20 for 2-3/8" Backset
29 2-3/4" (70mm) curved lip strike #800
WBS Wrought Box Strike

Functions

65G04 Storeroom
65G05 Office
65U15* Passage
65G37 Classroom
65U65* Bathroom/Privacy
65U93* Single Lever Pull
65U94* Double Lever Pull

Finishes

10BE Dark Oxidized Satin Bronze - Equivalent
26D Satin Chrome

** Cylinder options are not available*

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The SARGENT 8X Line is designed and tested for robust applications. The ANSI/BHMA A156.2 Grade 1 bored-in lock is a worry free solution.

Program	Options	Functions	Rose	Knob	Finishes
24-Hour	WBS	8XG04, 8XG05, 8XU15, 8XG17, 8XG37, 8XU65, 8XU93	L	B	32D
1-Week					

Finishes

32D Satin Stainless Steel

Mechanical Options

29 2-3/4" (70mm) curved lip strike #800
WBS Wrought Box Strike

Functions

8XG04 Storeroom
8XG05 Office
8XU15 Passage
8XG17 Utility
8XG37 Classroom
8XU65 Bathroom/Privacy
8XU93 Single Knob Pull

B Knob

L Rose
(3-1/2" Diameter)

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The HP Series Bored Lock with ALP push/pull trim provides an aesthetically pleasing alternative to standard push/pull products. Ease of operation allows its use in many environments, including healthcare and education. The paddle shape and location create a comfortable target for door activation without using hands.

Passage

Privacy

Program	Options	Functions	Trim	Finishes
1-Week & 2-Week	14, 24, 28, WBS	HPU15, HPU65*	ALP	32D

Mechanical Options

14- 505 Full Lip Strike
24- 2-3/4" (70mm) backset
28- 4-7/8" (124mm) ANSI curved lip strike # 808
WBS Wrought Box Strike

Functions

HPU15 Passage
HPU65 Privacy*

Finishes

32D Satin Stainless Steel

Hand

LH Left Hand
RH Right Hand

Note: Maximum quantity of 15 units per order

** Handed*

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DL Series

The DL Series tubular lock is designed for ease of installation with the quality you expect from the SARGENT name. The DL Series exceeds the expectations of the most demanding architects and design professionals. All Studio Collection and Coastal Series levers, as well as standard levers, can be used with the DL Series.

Program	Options	Functions	Rose	Lever	Finishes
1-Week	12-, 14-, 20-, 28-, WBS-	DLU15, DLU15-3, DLU65, DLU93, DLU94	LN*, O	MD, ME, MI, MJ, ND, NJ, REM (32D only)	10BE, 15, 26D, 32D
2-Week				MD, ME, MG, MI, MJ, ND, NJ REM (32D only)	10BE, 15, 26D, 32D, BSP

Options

12	UL Listed for 3 hour fire rated doors
14	505 Full lip strike
20	2-3⁄8" backset latch with square corner front 2-1/4" x 1" front
28	Strike #808. Lip length 1-1⁄4"
WBS	Wrought box strike

Finishes

10BE	Dark Oxidized Satin Bronze - Equivalent
15	Satin Nickel
26D	Satin Chrome
32D	Satin Stainless Steel (Available with REM only)
BSP	Black Suede Powder Coat

Functions

DLU15	Passage
DLU15-3	Communicating set
DLU65	Privacy set
DLU93	Single lever pull
DLU94	Double lever pull

Hand

LH	Left Hand
RH	Right Hand

** Available with DLU93 and DLU94 functions only*
Note: Maximum quantity of 100 units per order

MD Lever

ME Lever

MI Lever

MJ Lever

ND Lever

NJ Lever

REM Lever

LN Rose

O Rose

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Bored Locks

10X Line, 10 Line, 7 Line and 6 Line

10X Line Parts

Program	Part #	Description	Finishes
1-Week, 2-Week	10-2000	Latches - Guarded - 2-3/4" BS	26D
	10-2022	Latches - Unguarded - 2-3/4" BS	
	10-1200	Inside and Outside Rose Scalp - L	
	10-1202	Inside and Outside Rose Scalp - G	

7 Line Parts

Program	Part #	Description	Finishes
1-Week, 2-Week	10-0501	Levers - I/S or O/S "L" design, Passage	26D
	10-0502	Levers - I/S or O/S "L" design, Cylinder, Emerg.	
	10-0503	Levers - I/S or O/S "L" design, Turn, 30 option	
	10-0523	Levers - I/S or O/S "B" design, Passage	
	10-0524	Levers - I/S or O/S "B" design, Cylinder, Emerg.	
	10-0525	Levers - I/S or O/S "B" design, Turn, 30 option	
	10-0545	Levers - I/S or O/S "P" design, Passage	
	10-0546	Levers - I/S or O/S "P" design, Cylinder, Emerg.	
	10-0547	Levers - I/S or O/S "P" design, Turn, 30 option	
	10-2070	Screw Packs (28-) (Standard)	10B, 26D
	10-2052	Screw Packs (29-)	

7 Line Parts

Program	Part #	Description	Finishes
1-Week, 2-Week	07-2430	Latches - Guarded - 2-3/4" BS	32D
	07-2432	Latches - Unguarded - 2-3/4" BS	
	07-0111	Rose Scalp (All functions)	26D
	07-2425	Inside Rose Body (all except 94, 94-2)	Standard
	07-2426	Outside Rose Body (all except 93, 94, 94-2, 15-3)	
	07-2648	1-3/8" Door Mounting Kit	
	07-2446	Through-bolt Mounting Pack	
	07-2431	7 Line Latch (2-3/8" Guarded)	32D
	07-2433	7 Line Latch (2-3/8" Unguarded)	

6 Line Parts

Program	Part #	Description	Finishes
1-Week, 2-Week	800	Strikes	10B, 32D
	06-5083	Latches - Guarded - 2-3/8"	
	06-5225	Latches - Unguarded - 2-3/8"	
	06-2675	Screw Packs	Standard
	06-5056	Screw Packs	
	06-5057	Screw Packs	

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Mortise Locks

8200 Series with Trim

The 8200 Series far surpasses ANSI/BHMA A156.13 Series 1000 Grade 1 certification, making it the strongest and most durable mortise lock in the industry.

Program	Options	Functions	Rose	Lever	Finishes
24-Hour	KD, RX, WBS	8204, 8205, 8215, 8225, 8237, 8265, 8270[1], 8271[1]	LN	B, J ,L, P, MD, MI	26D, 32D
1-Week	56, 60, 70, KD, LC, LX, RX, SC, WBS	8204, 8205, 8215, 8217, 8225, 8237, 8238, 8239, 8240, 8241, 8243, 8245, 8255, 8265, 8270[1], 8271[1], 8272[1], 8273[1], 8293, 8294	LN, LW1[3], O, WT[3]	B, J, L, P, MD[2], ME[2], MI[2], MJ[2], ND[2], NJ[2], REM (32D Only)	10B, 10BE, 15, 26D, 32D
2-Week				B, J, L, P, MD[2], ME[2], MI[2], MJ[2], ND[2], NJ[2], REM (32D Only)	10, 10B, 10BE, 15, 26D, 32D, BSP

Options

56	Motorized Electric Latch Retraction
60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
RX	Request to Exit
SC	Schlage "C" Keyway
WBS	Wrought Box Strike
LX	Latchbolt Monitor

Finishes

10	Dull Bronze
10B	Oxidized Dull Bronze
10BE	Dark Oxidized Satin Bronze - Equivalent
15	Satin Nickel
26	Bright Chrome
26D	Satin Chrome
32D	Stainless Steel
BSP	Black Suede Powder Coat

Voltage (Available on 8270, 8271, 8272, 8273 only)

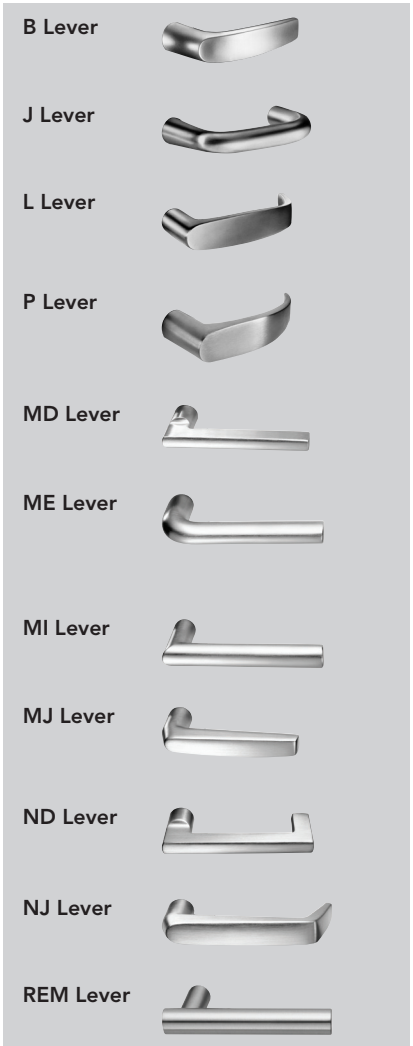
12V
24V

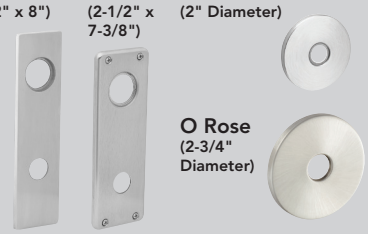
Functions

8204	Night Latch or Storeroom
8205	Office or Entry
8215	Passage
8217	Asylum or Institutional
8225	Dormitory or Exit
8237	Classroom
8238	Classroom Security
8239	Classroom Security with Deadbolt
8240	Classroom Security with Deadbolt
8241	Classroom Security
8243	Apartment
8245	Dormitory
8255	Office w/Toggle
8265	Bathroom
8270	Fail Safe - Single Cylinder
8271	Fail Secure - Single Cylinder
8272	Fail Safe - Double Cylinder
8273	Fail Secure - Double Cylinder
8293	Single Dummy
8294	Trim Dummy

Hand

LH	Left Hand
RH	Right Hand





1. Electrified products have a total maximum quantity of 50 locks per order
2. Maximum quantity of 100 units per order
3. Not available with Studio Collection Levers
4. 56- only available on 8204, 8215, 8217

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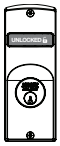
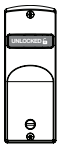
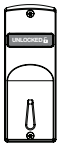
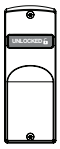
Mortise Locks

Status Indicator Upgrade Kits

Used in a variety of applications, status indicators are most commonly used to identify occupancy or display the locked/unlocked status of a room.

Program	Model #		Used with Functions	Finishes	Available Option Codes	Indicator Location*
1-Week & 2-Week	SA190		20, 21, 22, 24, 25, 26, 28, 29, 30, 39, 40, 41, 43, 45, 46, 47, 50, 51, 52, PHR-NAC-82281	26D, 32D	Outside Trim: V10, V10F, V20, V20F, V30, V40, V50, V60 Inside Trim: V01, V01F, V03, V04, V06	Inside and/ or Outside per Function
	SA191		36, 56, 57, 58, 67	26D, 32D		
	SA192		05, 37, 38, 42, 59	26D, 32D		
	SA193		65, 66, 68	26D, 32D	V10, V10F, V20, V20F, V30, V40, V50, V60	Outside
	SA194		21, 24, 25, 28, 43, 45, 47, 50, 51, 66, 68, PHR-NAC-82281, PHR-NAC-82285	26D, 32D	V01, V01F, V03, V04, V06	Inside
	SA196		12, 56, 57, 58, 65, 67	26D, 32D		
	SA198		05	26D, 32D		
	SA197		30, 37, PHR-NAC-82285	26D, 32D	Outside Trim: V10, V10F, V20, V20F, V30, V40, V50, V60 Inside Trim: V01, V01F, V03, V04, V06	Inside or Outside per Function

**When indicators are required on both sides of the door, 2 upgrade kits must be ordered, one kit for each side. Cylinder not included.*

Option Code	Wording	Color	Mounting Location
V10	Unlocked/Locked	Green/Red	Outside of Door
V10F	Ouvert/Fermé	No Indicator	Green/Red
V20	Vacant/Occupied	Green/Red	Outside of Door
V20F	Libre/Occupée	No Indicator	Green/Red
V30	Icons Only	Green/Red	Outside of Door
V40	Unlocked/Locked	White/Red	Outside of Door
V50	Vacant/Occupied	White/Red	Outside of Door
V60	Icons Only	White/Red	Outside of Door
V01	Unlocked/Locked	Green/Red	Inside of Door
V01F	No Indicator	Ouvert/Fermé	Green/Red
V03	Icons Only	Green/Red	Inside of Door
V04	Unlocked/Locked	White/Red	Inside of Door
V06	Icons Only	White/Red	Inside of Door

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Mortise Locks
8200 Series with BHW Trim

Part of the Behavioral Health Series™ of products, the 8200 mortise lock with BHW trim provides an innovative solution for behavioral health environments. The unique integrated lever and escutcheon combines aesthetics with safety.

Program	Options	Functions	Trim	Finishes
1-Week	60, 70, KD, LC, SC, WBS	8204, 8205, 8215, 8225*, 8237, 8238, 8239*, 8240*, 8241*, 8243*, 8245*, 8255, 8265, 8270, 8271, 8272, 8273	BHW	32D
2-Week	60, 70, KD, LC, SC, DX, LX, RX, WBS			

Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway
DX	Deadbolt Monitoring
LX*	Latchbolt Monitoring
RX	Request to Exit
WBS	Wrought Box Strike

Finishes

32D	Stainless Steel

* *Latchbolt monitoring not available with deadbolt functions*

Note: BHW trim has a total maximum quantity of 15 locks per Turboship order

Functions

8204	Night Latch or Storeroom
8205	Office or Entry
8215	Passage
8225*	Dormitory or Exit
8237	Classroom
8238	Classroom Security
8239*	Classroom Security with Deadbolt
8240*	Classroom Security with Deadbolt
8241*	Classroom Security
8243*	Apartment
8245*	Dormitory
8255	Office w/Toggle
8265	Bathroom
8270	Fail Safe - Single Cylinder
8271	Fail Secure - Single Cylinder
8272	Fail Safe - Double Cylinder
8273	Fail Secure - Double Cylinder

Hand

LH	Left Hand
RH	Right Hand

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Mortise Locks

8200 Series with ALP Trim

Heavy-duty push/pull hardware that is flexible, easy to use and aesthetically pleasing; it's appropriate for healthcare settings and beautiful enough for healing environments. This trim offers multiple mounting options and easy operation, even when your hands aren't free.

Program	Options	Functions	Trim	Finishes
1-Week & 2-Week	KD, LC, SC, WBS, 60, 70	8204, 8205, 8215, 8237, 8265, 8270, 8271	ALP	32D

Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway
WBS	Wrought Box Strike

Finishes

32D	Stainless Steel

Functions

8204	Night Latch or Storeroom
8205	Office or Entry
8215	Passage
8237	Classroom
8265	Bathroom
8270	Fail Safe - Single Cylinder
8271	Fail Secure - Single Cylinder

Hand

LH	Left Hand
RH	Right Hand

Note: Maximum quantity of 15 units per order

Note: See page 23 for status indicator upgrade kits

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Mortise Locks

8200 Series Lockbody Only

The 8200 Series mortise lock far surpasses ANSI/BHMA A156.13 Series 1000 Grade 1 standards, making it the strongest and most durable mortise lock in the industry.

Program	Options	Functions	Finishes
24-Hour	WBS	8204, 8205, 8215, 8225, 8237, 8265	26D, 32D
1-Week & 2 Week		8204, 8205, 8215, 8225, 8237, 8238, 8239, 8240, 8241, 8243, 8245, 8255, 8265, 8270, 8271, 8272, 8273	10B, 10BE, 15, 26, 26D, 32D, BSP

Options

WBS Wrought Box Strike

Finishes

03	Bright Brass
10	Dull Bronze
10B	Oxidized Dull Bronze
10BE	Dark Oxidized Satin Bronze - Equivalent
15	Satin Nickel
26	Bright Chrome
26D	Satin Chrome
32D	Stainless Steel
BSP	Black Suede Powder Coat

Functions

8204	Night Latch or Storeroom
8205	Office or Entry
8215	Passage
8225	Dormitory or Exit
8237	Classroom
8238	Classroom Security
8239	Classroom Security with Deadbolt
8240	Classroom Security with Deadbolt
8241	Classroom Security
8243	Apartment
8245	Dormitory
8255	Office w/Toggle
8265	Bathroom
8270	Electromechanical (Fail Safe)
8271	Electromechanical (Fail Secure)
8272	Electromechanical (Fail Safe)
8273	Electromechanical (Fail Secure)

Hand

LH	Left Hand
RH	Right Hand
LHR	Left Hand Reverse
RHR	Right Hand Reverse

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Mortise Locks

Mechanical Parts & Accessories

Program	Part #	Description
1-Week, 2-Week	01-1028	#8-32 x 1/4" Mortise Outside Front Screws (03, 04, 10, 10B, 15,26, 26D)
	01-5002	#12 Combination Latch Screw (mortise lock mounting screw)
	01-0079	Washer
	01-1174	Lever Set Screw (B, J, L, P, W Levers)
	01-1472	Lever Set Screw (A, E, F Levers)
	01-1495	Machine Screw #8-32 x 5/8"
	130KB	Thumbturn (Specify 03, 10, 10B, 26, 26D, 32D)
	130W	Thumbturn (Specify 03, 10, 10B, 26, 26D, 32D)
	184KB	Emergency Release (Specify 03, 10, 10B, 26, 26D, 32D)
	184W	Emergency Release (Specify 03, 10, 10B, 26, 26D, 32D)
	77-3468	Screw Pack 1-3/4" Dr (KE2/LE2 Trim)
	77-1141	Strike Box (for 8200 & 808 strikes)
	77-4236	Lockbody Screw Pack (All trim, specify 03, 04, 10, 10B, 32, 32D)
	81-0723	Mounting Post
	82-0110	Standard Curve Lip Strike (03, 04, 10, 10B, 10BE, 32, 32D)
	82-0184	Cap Nut (Std O/S Lever)
	82-0612	Wave Spring for Rose
	82-2136	Trim Pack Kits - E, O, KW, L (7894) LN, LW - 94 Function
	82-2137	Trim Pack Kits - KE1, KE2, LE1, LE2, KS, LS - 94 Function
	82-2138	Trim Pack Kits - L (8294), WT - 94 Function
	82-2135	Trim Pack Kits - L (8293), WT - 93 Function
	82-3211	Trim Pack Kits - E, O, KW, L (7800), LN, LW
	82-3212	Trim Pack Kits - KE1/LE1, KE2/LE2, KE3/LE3, KE4/LE4
	82-4611	Trim Pack Kit - One-sided Trim - 06,13,31,36 Function
	82-3213	Trim Pack Kits - L (8200), WT - All
	82-3341	Screw Pack - 1-3/4" Dr. (KE1/LE1, KE3/LE3, KW/LW Trim)
	82-3654	Screw Pack - All Door Thickness (WT Trim)
	82-3675	Screw Pack - 1-3/4" Dr (FE trim)

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Surface door closers for interior and exterior doors with flexibility to meet virtually every application. A full complement of arm types and front-facing valves make installation and maintenance easy.

281 Door Closer

Program	Options	Arm Types	Finishes
24-Hour	–	O, UO	EN
1-Week & 2-Week	DA, TB	O, CPS, PS, P10, PH10, CPSH, PSH, P9, UH, UO	EAB, EB, EN, EP, 10BE, BSP

Arm Types

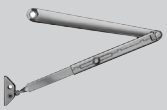
UH	Universal Hold Open STD, Parallel, Top Jamb
RUO	Universal Arm STD, Parallel, Top Jamb RUO
UO	Universal Arm STD, Parallel, Top Jamb RUO
CPS	Heavy Duty Parallel Arm with Compression Stop
PS	Heavy Duty Parallel Arm with Positive Stop
P9	Standard Parallel Arm RP9
RP9	Standard Parallel Arm RP9
RO	Standard Arm Standard & Top Jamb RO
O	Standard Arm Standard & Top Jamb RO
P10	Heavy Duty Parallel Arm
PH10	Heavy Duty Friction Hold Open Parallel Arm (specify LH or RH)
CPSH	Heavy Duty Hold Open Parallel Arm with Compression Stop
PSH	Heavy Duty Hold Open Parallel Arm with Positive Stop

Finishes

EB	Bronze Enamel to match 10B
EN	Aluminum Enamel
EP	Bronze Enamel to match US10
EAB	Brass Enamel to be used with brass finishes
10BE	Dark Oxidized Satin Bronze - Equivalent
BSP	Black Suede Powder Coat

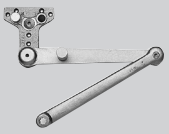
UH

RUO/UO



CPS

PS

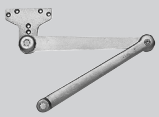


P9/RP9

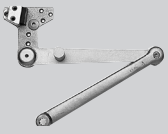
O/RO

P10

PH10



CPSH



PSH

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Surface door closers for interior and exterior doors with flexibility to meet virtually every application. A full complement of arm types and front-facing valves make installation and maintenance easy.

UH

RUO/UO

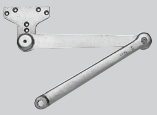
CPS

PS

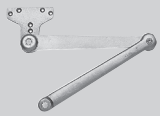
P9/RP9

O/RO

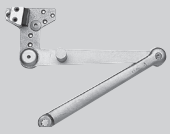
P10



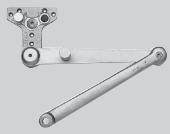
PH10



CPSH



PSH



351 Door Closer

1431 Door Closer

Program	Options	Arm Types	Finishes
24-Hour	–	O, UO, RO*, RUO*	EN
1-Week & 2-Week	DA, TB	O, CPS, PS, P10, PH10, CPSH, PSH, P9, UH, UO, RO*, RP9*, RUO*	EAB, EB, EN, EP, 10BE, BSP

Currently Not Available

Arm Types

UH	Universal Hold Open STD, Parallel, Top Jamb
RUO	Universal Arm STD, Parallel, Top Jamb RUO
UO	Universal Arm STD, Parallel, Top Jamb RUO
CPS	Heavy Duty Parallel Arm with Compression Stop
PS	Heavy Duty Parallel Arm with Positive Stop
P9	Standard Parallel Arm RP9
RP9	Standard Parallel Arm RP9
RO	Standard Arm Standard & Top Jamb RO
O	Standard Arm Standard & Top Jamb RO
P10	Heavy Duty Parallel Arm
PH10	Heavy Duty Friction Hold Open Parallel Arm (specify LH or RH)
CPSH	Heavy Duty Hold Open Parallel Arm with Compression Stop
PSH	Heavy Duty Hold Open Parallel Arm with Positive Stop

Finishes

EB	Bronze Enamel to match 10B
EN	Aluminum Enamel
EP	Bronze Enamel to match US10
EAB	Brass Enamel to be used with brass finishes
10BE	Dark Oxidized Satin Bronze - Equivalent
BSP	Black Suede Powder Coat

** Available with 1431 Series door closer only*

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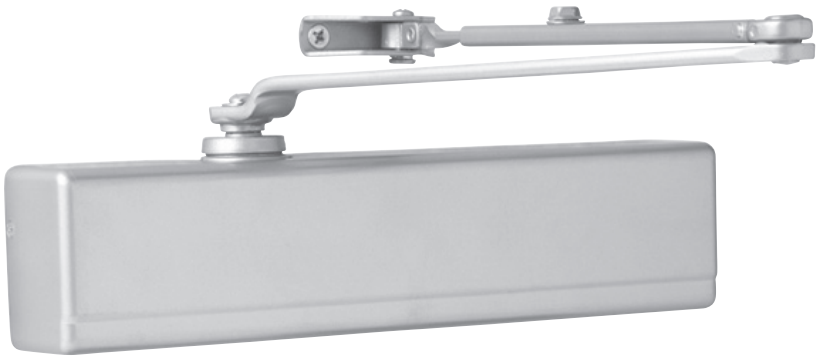


The SARGENT 1331 Series door closer can be used for the most common applications and is a Grade 1 fully adjustable closer. Available with a selection of arms and accessories, the 1331 Series door closer can be used for most common applications and is ideal for standard duty installations.

Program	Options	Arm Types	Finishes
1-Week & 2-Week	TB	JH, JO, JP9 JPH9, JUH, JUO	10BE, EAB, EB, EN, EP, BSP

Currently Not Available

Arm Types

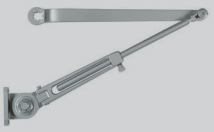
JO	Arm Standard/Top Jamb
JH	Hold Open Arm Standard
JP9	Arm Parallel
JPH9	Hold Open Arm Parallel
JUO	Tri Pack or "Universal Packed"
JUH	Hold Open Tri Pack or "Universal Packed"

Finishes

EB	Bronze Enamel to match 10B
EN	Aluminum Enamel
EP	Bronze Enamel to match US10
EAB	Brass Enamel to be used with brass finishes
10BE	Dark Oxidized Satin Bronze - Equivalent
BSP	Black Suede Powder Coat

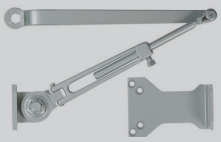
JO

JH



JP9

JPH9



JUO

JUH

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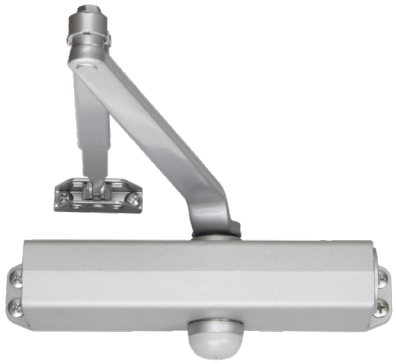
A reversible "Non-handed" economy aluminum door closer.



HU

RU

Program	Options	Arm Types	Finishes
1-Week & 2-Week	TB	HU, RU	EB, EN

Currently Not Available

Product Designation Based on Application

1131	Adjustable for sizes 1 through 6. Ideal for use on aluminum storefronts and other medium traffic, commercial applications. Complies with opening force requirements outlined in the Americans with Disabilities Act (A.D.A.) and ANSI A117.1 for interior doors.

Arm Types

HU	Hold-Open Arm Bracket
RU	Regular Parallel Arm Bracket

Finishes

EB	Bronze Enamel to match 10B
EN	Aluminum Enamel

Options

TB	Aluminum Enamel

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The high performance design of the 422 Cam Action Closer ensures doors that are light to open for ADA compliance, with the right amount of closing force to handle a wide range of environments. The closer's non-hold open track and internal spring are specifically built to protect the door and frame in abusive, high-traffic conditions.

Program	Options	Arm Types	Finishes
1-Week & 2-Week	TB	CTB2, CTHB2	EB, EN, 10BE, BSP

Currently Not Available

Arm Types

CTB2	Pull with Bumper
CTHB2	Pull with Holder and Bumper
422D	Drop/Back Plate

Hand

LH	Left Hand
RH	Right Hand

Finishes

EB	Bronze Enamel to match 10B
EN	Aluminum Enamel
10BE	Dark Oxidized Satin Bronze - Equivalent
BSP	Black Suede Powder Coat

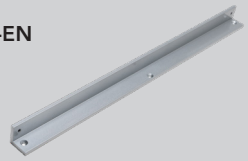
Note: Maximum quantity of 40 units per order

CTB2

CTHB2

422D

63-0853-EN



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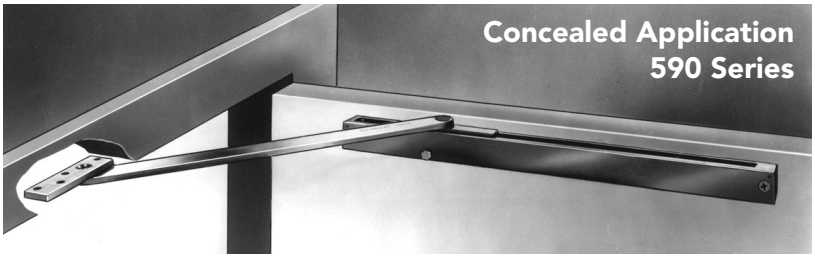
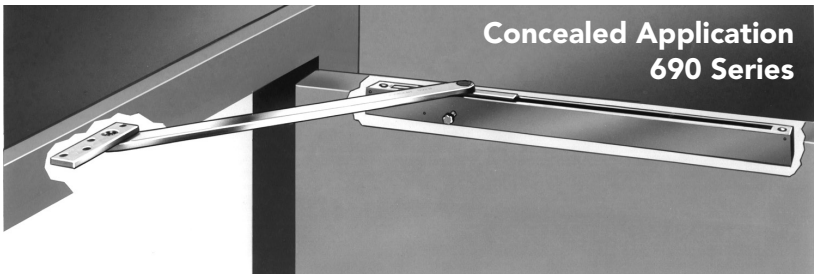
Overhead holders and stops are used to extend the life of the door, frame and door closing devices on an opening. SARGENT offers both concealed and surface mount types, with various functions and degree of opening.





Program	Product Designation	Options	Finish
1-Week, 2-Week	597,598,599 697, 698, 699 1546,1547,1548, 1549	H, S	26D

Product Designation

590 Series

597	24" - 32-1/2" Door Width
598	32-5/8" - 39-1/8" Door Width
599	39-1/4" or Greater Door Width

690 Series

697	24" - 32-1/2" Door Width
698	32-5/8" - 39-1/8" Door Width
699	39-1/4" or Greater Door Width

1540 Series

1546	18-1/2" - 25" Door Width
1547	25-1/8" - 32-1/2" Door Width
1548	32-5/8" - 40" Door Width
1549	40-1/8" - 48" Door Width

Finishes

26D	Satin Chrome

Options

H	Hold Open with Stop
S	Stop Only

Note: Maximum quantity of 15 units per order

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Door Closer Parts

Program	Part #	Description	Finishes
24-Hour	25 O	Standard Arm – Complete Arm assy.	EN
	25 UO	Universal Arm - Complete Arm assy.	
	25 P9	Parallel Arm – Complete Arm assy.	
	25 P10	Parallel Heavy Duty Arm – Complete Arm assy.	
	25 PH10	Parallel Holder Heavy Duty Arm (Left Hand)	
	25 PH10	Parallel Holder Heavy Duty Arm (Right Hand)	
	25 PS	Parallel Stop Arm – Complete Arm assy.	
	25 PSH	Parallel Stop/Holder Arm – Complete Arm assy.	
	25 CPS	Compression Stop Arm – Complete Arm assy.	
	25 CPSH	Compression Holder Arm – Complete Arm assy.	
	63-2216	Foot assy. (O, OLC, RO, UO, RUO arms)	
	63-3070	Main arm & swivel assy. (H, H8, PH4, PH9, PF9, UH arms)	
	63-0641	Arm & bearing assy. (P10, CPS, PS, CPSH, PSH arms)	
	63-2607	Main arm & link assy. (O, O8, OZ, OZA, P3, P3A, P4A, P9, RP9 arms)	
	63-3493	Bumper only - (CPS, CPSH arms) use w/ 63-0516	
	63-3727	Arm and bracket assy. (P10 arm)	
	63-3830	Arm and bracket assy. (CPS arm)	
	63-3833	Arm and bracket assy. (PSH arm)	
	63-3836	Arm and bracket assy. (CPSH arm)	
	63-3837	Arm and bracket assy. (PS arm)	
1-Week & 2-Weeks	25 O	Standard Arm – Complete Arm assy.	10BE, EN, EB, EP, EAB, BSP
	25 UO	Universal Arm - Complete Arm assy.	
	25 H	Holder Arm – Complete Arm assy.	
	25 P9	Parallel Arm – Complete Arm assy.	
	25 PH9	Parallel Holder Arm – Complete Arm assy.	
	25 P10	Parallel Heavy Duty Arm – Complete Arm assy.	
	25 PH10	Parallel Holder Heavy Duty Arm (Left Hand)	
	25 PH10	Parallel Holder Heavy Duty Arm (Right Hand)	
	25 PS	Parallel Stop Arm – Complete Arm assy.	
	25 PSH	Parallel Stop/Holder Arm – Complete Arm assy.	
	25 CPS	Compression Stop Arm – Complete Arm assy.	
	25 CPSH	Compression Holder Arm – Complete Arm assy.	
	581-1	Blade Stop Spacer Kit	
	581-2	Blade Stop Spacer Kit	
	61-2303	Foot assy. - (H, HZ, HZA, PH4, PH9, UH-Arms)	10BE, EN, EB, EAB, BSP
	63-0516	Bumper holder - (CPS, CPSH - Arms)	
	63-2216	Foot assy. - (O, OLC, RO, UO, RUO - Arms)	
	63-2217	Foot assy. - (OZ - Arm)	
	63-2218	Foot assy. - (OZA, FZA - Arm)	
	63-3070	Main arm & swivel assy. (H, H8, PH4, PH9, PF9, UH arms)	
	63-2230	Main arm & link assy. - (HZ - Arm)	
	63-2231	Main arm & link assy. - (HZA - Arm)	
	63-0641	Arm & bearing assy. (P10, CPS, PS, CPSH, PSH arms)	
	63-2607	Main arm & link assy. (O, O8, OZ, OZA, P3, P3A, P4A, P9, RP9 arms)	
	63-3727	Arm and bracket assy. (P10 arm)	
	63-3830	Arm and bracket assy. (CPS arm)	
	63-3833	Arm and bracket assy. (PSH arm)	
	63-3836	Arm and bracket assy. (CPSH arm)	
	63-3837	Arm and bracket assy. (PS arm)	
	63-2271	Foot assy- (P9, PR9 Arms)	10BE, EN, EB, EP, EAB, BSP
	63-3493	Bumper only - (CPS, CPSH arms) use with 63-0516 Arm) -	Standard
Program	Part #	Description	Finishes
1-Week, 2-Weeks	21-0198	1540 Jamb Bracket Shim	26D
	01-3436	Machine Screw	
	21-0104	590 Jamb Bracket Shim	
	01-3454	Machine Screw	32D

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Door Closer and Overhead Holders & Stops Parts

Program	Part #	Description	Finishes
1-Week & 2-Week	125P9	Parallel Arm Foot	EB, EN, EAB, BSP
	125PH9	Parallel Arm Foot	
	125 P3	Arm Conversion Unit	EB, EN, EAB, EP, BSP
	125 P3A	Arm Conversion Unit	
	125P4	Arm Conversion	
	125 P4A	Arm Conversion Unit	
	281C	Closer Cover	EB, EN, EP, EAB, BSP
	351A	Mounting Plate	EB, EN, EAB, EP, BSP
	351B	Mounting Plate	
	351C	Closer Cover	B, EN, EP, EAB, BSP
	351D	Drop Bracket	EB, EN, EAB, EP, BSP
	1431D	Drop Bracket	
	281D	Mounting Plate	
	581-1	Blade Stop Spacer Kit (P9, PH9, PF9)	
	581-2	Blade Stop Spacer Kit (P10, PS, PSH, CPS, CPSH, PH10)	
	1431C	Closer Cover	EB, EN, EP, EAB, BSP
	4TB	Through-bolt Pack	EB, EN, EAB, EP, BSP
	Paint	Paint (One Color per 12 Unit Case)	EB, EN, EAB, ED, EP, BSP

Electromagnetic Door Holders & Locks

Program	Part #	Description	Finish
1-Week, 2-Week	1560	Electromagnetic Door Holder - Wall Mount, Surface Applied	EN
	1561	Electromagnetic Door Holder - Concealed Wiring	
	1584	Electromagnetic Lock - Push Single door	32D

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Exit Devices

8900 Series Device with Trim

8900 Series mortise lock exit device has concealed single point guarded latching for additional security and is designed for standard width stile applications on wood and metal doors.

Program	Options	Functions	Rails	Escutcheon	Lever	Finishes
1-Week	12, 16, 43, 53, 55, 56, 60, 70, AL, KD, LC, SC, WS[2]	8904, 8910, 8913, 8915, 8963, 8973[1], 8974[1], 8975[1], 8976[1]	F, G, J	ET, PTB, No Trim[3]	B, J, L, P, MD, ME, MI, MJ, MV, ND, NJ, REM (32D Only)	10B, 10BE, 32D
2-Week					B, J, L, P, MD, ME, MG, MI, MJ, ND, NJ, REM (32D Only)	10B, 10BE, 32D, BSP

Cylinder Options

60 Disposable Construction Core
70 Interchangeable Core Disposable Plug
KD Keyed Different
LC Less Cylinder
SC Schlage "C" Keyway

Mechanical Options

12 Fire Rated
16 Cylinder Dogging
43 Flush End Cap
53 Latchbolt Monitoring
55 Request-to-Exit
56 Electric Latch Retraction (ELR)
AL Alarmed Exit
WS[2,4] Windstorm

Rail

F 33" - 36" (84cm - 91cm)
(No cutting required for 36" (91 cm) door
G 43" - 48" (110cm - 122cm)
(No cutting required for 48" (122 cm) door
J 37" - 42" (94cm - 107cm)
(No cutting required for 42" (107cm) door

Functions

8904 (ANSI 03) Key Retracts Latch with PSB or ET Trim
8910 (ANSI 01) Exit Only No Outside Trim
8910 (ANSI 02) Exit Only with PTB or ET Trim
8913 (ANSI 08) Key Locks/Unlocks with ET Trim
8915 (ANSI 14) Passage Only with ET Trim
8963 (ANSI 05) Key Locks/ Unlocks with PTB Trim
8973 Electrified ET Trim - Fail Safe, Power off, Unlocks Lever (No Cylinder)
8974 Electrified ET Trim - Fail Secure, Power off, Unlocks Lever (No Cylinder)
8975 Electrified ET Trim - Fail Safe. Power off, Unlocks Lever, Key retracts Latch
8976 Electrified ET Trim - Fail Secure. Power off, Unlocks Lever, Key retracts Latch

Finishes

10B Oxidized Dull Bronze
10BE Dark Oxidized Satin Bronze - Equivalent
32D Dull Stainless
BSP Black Suede Powder Coat

Hand

LHR Left Hand Reverse
RHR Right Hand Reverse

B Lever

J Lever

L Lever

P Lever

MD Lever

ME Lever

MI Lever

MJ Lever

ND Lever

NJ Lever

REM Lever

ET

PTB Trim

Note: LA is the standard SARGENT keyway and all cylinders will be 1-bitted unless KD is specified.
Cylinder dogging (16- option) is available with the 13 and 63 function devices only.
12- & 16- are not available together.
ET trims are supplied in 26D in lieu of 32D.
1 Specify 12V or 24V when ordering solenoid operated ET Trim
2 WS is available for single hollow metal door applications for 1-3/4" thick doors, 3'0" x 7'0" max doors.
3 Available on 8910 only
4 WS8800 rails are only available in F Rail.

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Exit Devices

8800 Series Device Only

The 8800 Series rim exit device is designed for standard width stile applications on wood and metal doors. This reversible rim exit device sets the industry standard for durability and reliability.

Program	Options	Functions	Rail Sizes	Finishes
24-Hour	12, 43	8888/8810	F	32D
1-Week	12, 16, 43, 60, 70, KD, LC, SC		F, G, J	10B, 10BE, 32D
2-Week				10B, 10BE, 32D, BSP

Cylinder Options

60 Disposable Construction Core
70 Interchangeable Core Disposable Plug
KD Keyed Different
LC Less Cylinder
SC Schlage "C" Keyway

Mechanical Options

12 Fire Rated
16 Cylinder Dogging
43 Flush End Cap

Functions

8888/8810 Multifunction

Finishes

10B Oxidized Dull Bronze
10BE Dark Oxidized Satin Bronze - Equivalent
32D Dull Stainless
BSP Black Suede Powder Coat

Rail

F 33" - 36" (84cm - 91cm)
(No cutting required for 36" (91 cm) door
G 43" - 48" (110cm - 122cm)
(No cutting required for 48" (122 cm) door
J 37" - 42" (94cm - 107cm)
(No cutting required for 42" (107cm) door

Hand

LHR Left Hand Reverse
RHR Right Hand Reverse

Note: LA is the standard SARGENT keyway and all cylinders will be 1-bitted unless KD is specified.

12 & 16 options are not available together

Cylinder options are available with 16 option devices only

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Exit Devices

8800 Series Device with Trim

Program	Options	Functions	Rails	Escutcheon	Lever	Finishes
24-Hour	12, 43, 55, 56, KD	8813	F	ET, PSB+, PTB++ No Trim^	B, J, L, P, MD, ME, MI, MJ, MV, ND, NJ, REM, 88CLL	32D
1-Week	12, 16, 43, 53, 55, 56, 60, 70, HC, KD, LC, SC, WS*, 5CH~	8804, 8806, 8810, 8813, 8815, 8863, 8873*, 8874*, 8875*, 8876*, 8893	F, G, J			10B, 10BE, 32D
2-Week					B, J, L, P, MD, ME, MI, MJ, ND, NJ, REM, 88CLL	10B, 10BE, 32D, BSP

Cylinder Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Mechanical Options

12	Fire Rated
16	Cylinder Dogging
43	Flush End Cap
53	Latchbolt Monitoring
55	Request-to-Exit
56	Electric Latch Retraction (ELR)
HC	Hurricane Code
WS**	Windstorm
5CH~	5lb Pressure Release

Finishes

10B	Oxidized Dull Bronze
10BE	Dark Oxidized Satin Bronze - Equivalent
32D	Dull Stainless
BSP	Black Suede Powder Coat

Functions

8804	(ANSI 03) Key Retracts Latch with PSB or ET Trim
8806	(ANSI 09) Key operates ET
8810	(ANSI 01) Exit Only, No Outside Trim
8810	(ANSI 02) Exit Only, with PTB or ET Trim
8813	(ANSI 08) Key Locks/Unlocks ET Trim
8815	(ANSI 14) Passage Only with ET Trim
8863	(ANSI 05) Key Locks/Unlocks PTB Thumb Piece
8873	Electrified ET Trim - Fail Safe, Power off, Unlocks Lever (No Cylinder)
8874	Electrified ET Trim - Fail Secure, Power off, Unlocks Lever (No Cylinder)
8875	Electrified ET Trim - Fail Safe. Power off, Unlocks Lever, Key retracts Latch
8876	Electrified ET Trim - Fail Secure. Power off, Unlocks Lever, Key retracts Latch
8893	Dummy Rail

Rail

F	33" - 36" (84cm - 91cm) (No cutting required for 36" (91 cm) door
G	43" - 48" (110cm - 122cm) (No cutting required for 48" (122 cm) door
J	37" - 42" (94cm - 107cm) (No cutting required for 42" (107cm) door

Hand

LHR	Left Hand Reverse
RHR	Right Hand Reverse

** Specify 12V or 24V when ordering solenoid operated ET Trim*
*** WS is available for single hollow metal door applications for 1-3/4" thick doors, 3'0" x 7'0" max doors.*
+Available with 04 function only
++Available with 10,28, and 63 functions only
^Available on 8888/8810 only
~Consult factory if ordered with options 43, 55, 56

B Lever

J Lever

L Lever

P Lever

MD Lever

ME Lever

MI Lever

MJ Lever

ND Lever

NJ Lever

REM Lever

88CLL Lever & Rose Trim

ET Trim

PSB

PTB Trim

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Exit Devices

8800 Series Device - Trim Only

B Lever

J Lever

L Lever

P Lever

MD Lever

ME Lever

MI Lever

MJ Lever

ND Lever

NJ Lever

REM Lever

88CLL Lever & Rose Trim

700 Series ET Trim

814-PSB

Program	Options	Trim Functions	Escutcheon	Levers	Finishes
24-Hour	KD	713-8 ET	N/A	L	26D
1-Week	60, 70, KD, LC, SC,	704 ET, 710 ET, 713-8 ET, 715-8 ET, 773-8 ET, 774-8 ET, 775-8 ET, 776-8 ET	ET, 814-PSB No Trim^	B, J, L, P, MD, ME, MI, MJ, MV, ND, NJ, REM (32D only), 88CLL	10B, 10BE, 26D
2-Week		704 ET, 710 ET, 713-8 ET, 715-8 ET, 773-8 ET, 774-8 ET, 775-8 ET, 776-8 ET, 814-PSB, 88CLL		B, J, L, P, MD, ME, MG, MI, MJ, ND, NJ, REM (32D only), 88CLL	10B, 10BE, 26D, BSP

Cylinder Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Functions

704ET	Key Retracts Latch
710ET	Pull Only No Cylinder
713-8ET	Key Locks/Unlocks Lever
715-8ET	Passage Only
773-8 ET	Fail Safe Power Off, Unlocks Lever (No Cylinder)
774-8 ET	Fail Secure Power Off, Locks Lever (No Cylinder)
775-8 ET	Fail Safe Power Off, Unlocks Lever, Key Retracts Latched
776-8 ET	Fail Secure Power Off, Locks Lever, Key Retracts Latch
88CLL	Key Locks/Unlocks Trim
814-PSB	Key Retracts Latchbolt (04 Function)

Finishes

10B	Oxidized Dull Bronze
10BE	Dark Oxidized Satin Bronze - Equivalent
26D	Satin Chromium Plated Over Nickel
BSP	Black Suede Powder Coat

Hand

LHR	Left Hand Reverse
RHR	Right Hand Reverse

Voltage

12V
24V

Note: Electrified products have a total maximum quantity of 50 locks per order.
LA is the standard SARGENT keyway and all cylinders will be 1-bitted unless KD is specified.
710ET and 715-8ET are non cylinder functions.
^Available on 8888/8810 only

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8700 Surface Vertical Rod

NB8700 Top Latch Surface Vertical Rod

The SARGENT 8700 Series Surface Vertical Rod Exit Device has two point latching (top and bottom of the door) and is adjustable through the center case.

Program	Options	Functions	Rail	Escutcheon	Lever	Finishes
1-Week	12, 14, 16, 43, 53, 55, 56, 60, 70, KD, LC, NB, SC	8706, 8710, 8713, 8715, 8763, 8773, 8774	F, G, J	ET, PTB, No Trim*	B, J, L, P, MD, ME, MI, MJ, MV, ND, NJ, REM (32D only)	10B, 10BE, 32D
2-Week					B, J, L, P, MD, ME, MG, MI, MJ, ND, NJ, REM (32D only)	10B, 10BE, 32D, BSP

Cylinder Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Options

12	Fire Rated
14	Solid Brass Bottom Bolt
16	Cylinder Dogging
43	Flush End Cap
NB	Less Bottom Bolt (Not available with PTB Trim)
53	Latchbolt Monitoring
55	Request to Exit
56	Electric Latch Retraction

Opening Height
(Center Line of Exit Device is 41" AFF)

84"
96"

Note: Electrified products have a total maximum quantity of 50 locks per order
LA is the standard SARGENT keyway and all cylinders will be 1-bitted unless KD is specified.
Cylinder options are available with 16- option; 06, 13, or 63 function only
12 and 16 options are not available together
14 option is not available with 12- or NB options
12-NB applications require thermal pin. Thermal pin supplied when ordered as a 12-NB device.
ET trims are supplied in 26D, in lieu of 32D
** Available on 8710 only*

Hand

LHR	Left Hand Reverse
RHR	Right Hand Reverse

Function

8706	(ANSI 09) Key allows Lever to Retract Bolts With ET Trim
8710	(ANSI 01) Exit Only No Outside Trim
8710	(ANSI 02) Exit Only with PTB or ET Trim
8713	(ANSI 08) Key Locks/Unlocks Trim with ET Trim
8715	(ANSI 14) Passage Only with ET Trim
8763	(ANSI 05) Key Locks/Unlocks PTB Trim
8773	Fail Safe
8774	Fail Secure

Finishes

10B	Oxidized Dull Bronze
10BE	Dark Oxidized Satin Bronze - Equivalent
32D	Dull Stainless
BSP	Black Suede Powder Coat

Rail

F	33" - 36" (84cm - 91cm) (No cutting required for 36" (91 cm) door
G	43" - 48" (110cm - 122cm) (No cutting required for 48" (122 cm) door
J	37" - 42" (94cm - 107cm) (No cutting required for 42" (107cm) door

B Lever

J Lever

L Lever

P Lever

MD Lever

ME Lever

MI Lever

MJ Lever

ND Lever

NJ Lever

REM Lever

ET Trim

PTB Trim

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Exit Devices

AD8600 & MD8600 Series

The AD8600/NB-AD8600 and MD8600 Series are designed for standard width single or double aluminum or metal doors. The AD Series and the MD Series Concealed Rod Exit Devices meet ANSI/BHMA Grade 1 standards.

AD8600

Program	Options	Functions	Rail	Escutcheon	Lever	Finishes
1-Week	16, 43, 60, 70, KD, LC, NB, SC, AL, 53, 55, 56, 5CH	AD8606, AD8610, AD8613, AD8615	F, G, J	ET, No Trim*	B, J, L, P, MD, ME, MI, MJ, MV, ND, NJ, REM (32D only)	10B, 10BE, 32D
2-Week					B, J, L, P, MD, ME, MI, MJ, ND, NJ, REM (32D only)	10B, 10BE, 32D, BSP

MD8600

Program	Options	Functions	Rail	Escutcheon	Trims	Finishes
1-Week	12, 16, 43, 60, 70, KD, LC, NB, SC, AL, 53, 55, 56, 5CH	MD8606, MD8610, MD8613, MD8615, MD8673, MD8674	F, G, J	ET, No Trim*	B, J, L, P, MD, ME, MI, MJ, MV, ND, NJ, REM (32D only)	10B, 10BE, 32D
2-Week					B, J, L, P, MD, ME, MI, MJ, ND, NJ, REM (32D only)	10B, 10BE, 32D, BSP

B Lever

J Lever

L Lever

P Lever

MD Lever

ME Lever

MI Lever

MJ Lever

ND Lever

NJ Lever

REM Lever

ET Trim

Cylinder Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Options

12	Fire Rated
14	Solid Brass Bottom Bolt
16	Cylinder Dogging
43	Flush End Cap
NB	Less Bottom Bolt
AL	Alarmed Exit
53	Latchbolt Monitoring
55	Request to Exit
56	Electric Latch Retraction
5CH	5lb. Pressure Release

Rail

F	33" - 36" (84cm - 91cm) (No cutting required for 36" (91 cm) door
G	43" - 48" (110cm - 122cm) (No cutting required for 48" (122 cm) door
J	37" - 42" (94cm - 107cm) (No cutting required for 42" (107cm) door

Opening Height
(Center Line of Exit Device is 41" AFF)

84"
96"

Hand

LHR	Left Hand Reverse
RHR	Right Hand Reverse

Function

AD/MD8606	(ANSI 09) Key allows Lever to Retract Bolts with ET Trim
AD/MD8610	(ANSI 01) Exit Only, No Outside Trim
AD/MD8610	(ANSI 02) Exit Only with ET Trim
AD/MD8613	(ANSI 08) Key Locks/Unlocks Trim with ET Trim
AD/MD8615	(ANSI 14) Passage Only with ET Trim
MD8673	Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)
MD8674	Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)

Finishes

10B	Oxidized Dull Bronze
10BE	Dark Oxidized Satin Bronze - Equivalent
32D	Dull Stainless
BSP	Black Suede Powder Coat

Note: Electrified products have a total maximum quantity of 50 locks per order

LA is the standard SARGENT keyway and all cylinders will be 1-bitted unless KD is specified.

Cylinder options are available with 16- option; 06 or 13 function only

12 and 16 options are not available together

12-NB applications require thermal pin. Thermal pin supplied when ordered as a 12-NB device.

ET trims are supplied in 26D, in lieu of 32D

** Available on AD8610 & MD8610 only*

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Exit Devices

8500 & AD8500 Series

The 8500 Series Narrow Design Rim Exit Device is designed for narrow stile applications and features a rim bolt for quiet operation and security.

Program	Options	Functions	Rail	Escutcheon	Lever	Finishes
1-Week	12, 16, 43, 60, 70, KD, LC, SC, AL, 53, 55, 56, 5CH	8504, 8510, 8513, 8573, 8574, AD8504, AD8510, AD8513	F, G, J	ET, No Trim*	B, J, L, P, MD, ME, MI, MJ, MV, ND, NJ, REM (32D only)	10B, 10BE, 32D
2-Week					B, J, L, P, MD, ME, MI, MJ, ND, NJ, REM (32D only)	10B, 10BE, 32D, BSP

Cylinder Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Mechanical Options

12	Fire Rated
16	Cylinder Dogging
43	Flush End Cap
AL	Alarmed Exit
53	Latchbolt Monitoring
55	Request to Exit
56	Electric Latch Retraction
5CH	5lb. Pressure Release

Hand

LHR	Left Hand Reverse
RHR	Right Hand Reverse

Rail

F	33" - 36" (84cm - 91cm) (No cutting required for 36" (91 cm) door
G	43" - 48" (110cm - 122cm) (No cutting required for 48" (122 cm) door
J	37" - 42" (94cm - 107cm) (No cutting required for 42" (107cm) door

Exit x Function

8504	(ANSI 03) Key allows Lever to Retract Bolts With ET Trim
8510	(ANSI 01) Exit Only No Outside Trim
8510	(ANSI 02) Exit Only with ET Trim
8513	(ANSI 08) Key Locks/Unlocks Trim with ET Trim
8573	Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)
8574	Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)

Finishes

10B	Oxidized Dull Bronze
10BE	Dark Oxidized Satin Bronze - Equivalent
32D	Dull Stainless
BSP	Black Suede Powder Coat

Note: Electrified products have a total maximum quantity of 50 locks per order

LA is the standard SARGENT keyway and all cylinders will be 1-bitted unless KD is specified.

Cylinder options are available with 16- option; 04 or 13 function only

ET trims are supplied in 26D, in lieu of 32D

** Available on 8510 and AD8510 only*

B Lever

J Lever

L Lever

P Lever

MD Lever

ME Lever

MI Lever

MJ Lever

ND Lever

NJ Lever

REM Lever

ET Trim

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The AD8400 and MD8400 Series are designed for narrow width single or double aluminum or metal doors. The AD Series and the MD Series Concealed Rod Exit Devices meet ANSI/BHMA Grade 1 standards.

106 Auxiliary Control

862 Pull

Program	Options	Exit Device	Rail	Trims	Finishes
1-Week	16, 43, 60, 70, KD, LC, NB, SC, AL, 12-MD, 53, 55, 56, 5CH	AD8410, MD8410	F, G, J	106 x 862 Pull, 862 Pull, No Trim	10BE, 10B, 32D
2-Week					10B, 10BE, 32D, BSP

Cylinder Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Mechanical Options

16	Cylinder Dogging
43	Flush End Cap
NB	Less Bottom Bolt
AL	Alarmed Exit
53	Latchbolt Monitoring
55	Request to Exit
56	Electric Latch Retraction
5CH	5lb. Pressure Release

Hand

LHR	Left Hand Reverse
RHR	Right Hand Reverse

Opening Height
(Center Line of Exit Device is 41" AFF)

84"
96"

Trims

106	Aux Control x 862 Pull (ANSI 12) Key allows Turn to Retract Bolts
862	Pull (ANSI 02) Pull Only, No O/S Operation
No Trim	Exit Only (ANSI 01)

Finishes

10B	Oxidized Bronze, Oil-Rubbed
10BE	Dark Oxidized Satin Bronze - Equivalent
32D	Satin Stainless Steel
BSP	Black Suede Powder Coat

Rail

F	33" - 36" (84cm - 91cm) (No cutting required for 36" (91 cm) door
G	43" - 48" (110cm - 122cm) (No cutting required for 48" (122 cm) door
J	37" - 42" (94cm - 107cm) (No cutting required for 42" (107cm) door

Note: Electrified products have a total maximum quantity of 50 locks per order

LA is the standard SARGENT keyway and all cylinders will be 1-bitted unless KD is specified.

Cylinder options are available with 16- option or 106 Aux Control only

12-NB applications require thermal pin. Thermal pin supplied when ordered as a 12-NB device.

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90 Series Exit Device

The 90 Series cross bar exit device is for single door and pairs of doors where a narrow stile application is required.

PTB

Program	Options	Trim/Function	Finishes
24-Hour	KD	814-PTB, 810-PTB, 866-PTB	32D
1-Week	KD, SC, 60, 70, LC		
2-Week			10, 32D

Program	Function	Finishes
24-Hour	9898	32D
1-Week		
2-Week		10, 32D

Cylinder Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Device

9898	Multifunction Rim Crossbar*

Trim Function

814-PTB	Trim 04 (ANSI 03) Night Latch Key Retracts Latch
810-PTB	Pull 10 (ANSI 02) Dummy Trim No O/S Operation Pull Only
866-PTB Trim	63 (ANSI 05) Entry Lock Key Locks/Unlocks Thumb Piece

Finishes

10	Dull Bronze
26D	Satin Chrome

Hand

LHR	Left Hand Reverse
RHR	Right Hand Reverse

Note: LA is the standard SARGENT keyway and all cylinders will be 1-bitted unless KD is specified

** Device supplied for up to 44" wide doors*

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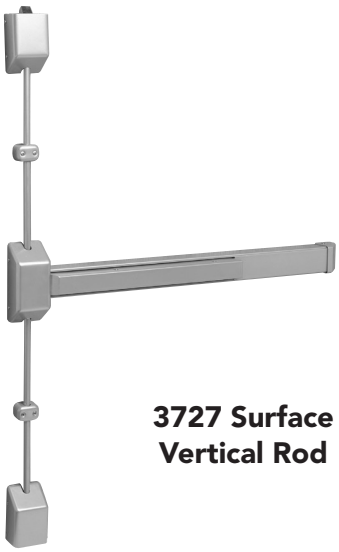
The 3727 and 3828 Series are rugged exit devices in a surface vertical rod and rim design with 4 available trims and is easy to mix and match the device and trim.



3727 Surface Vertical Rod

3828 Rim Exit Device

Program	Options	Exit Device	Rail	Finishes
24-Hour	-	3828	F	EN
1-Week	12-	3828, 3727	F, G, J	EB, EN

Cylinder Options

12	Fire Rated
21	Construction Keying (Lost Ball)
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Function

3828	Rim
3827	Surface Vertical Rod

Hand

LHR	Left Hand Reverse
RHR	Right Hand Reverse

Finishes

EB	Bronze Enamel
EN	Aluminum Enamel

Opening Height
(Center Line of Exit Device is 41" AFF)

84"
96"

Rail

F	33" - 36" (84cm - 91cm) (No cutting required for 36" (91 cm) door
G	43" - 48" (110cm - 122cm) (No cutting required for 48" (122 cm) door
J	37" - 42" (94cm - 107cm) (No cutting required for 42" (107cm) door

Note:
12 and 16 options are not available together
LA is the standard SARGENT keyway and all cylinders will be 1-bitted unless KD is specified

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Exit Devices

30 Series Trim

Program	Options	Trim	Finishes
24-Hour	KD	28CLL, 28COB, 814HTB	32D, EN
1-Week	KD, LC, SC		10B, 10BE, 32D, EB, EN, BSP

Cylinder Options

KD Keyed Different
LC Less Cylinder
SC Schlage "C" Keyway

Function

28CLL 13 Function
28COB 13 Function (Key locks/unlocks knob)
814HTB 04 Function (Key retracts latch)

Note:
814HTB (EB & EN only) for 3828 only

Finishes

10B Oxidized Dull Bronze
10BE Dark Oxidized Satin Bronze - Equivalent
32D Brushed Stainless Steel
EB Bronze Enamel to match 10B (814 HTB only)
EN Aluminum Enamel (814HTB only)
BSP Black Suede Powder Coat

The 3727 and 3828 Series are rugged exit devices in a surface vertical rod and rim design with 4 available trims and is easy to mix and match the device and trim.

28CLL

28COB

814HTB

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Exit Devices

5300 Series

Designed for areas requiring a standalone alarm on outward swinging doors, the 5300 Series has an integrated, immediate sounding alarm in the push rail to discourage unauthorized use of exit doors.

53 K HTB

53 D GTB

53 E GTB

5300 Series Exit Device

Program	Option	Exit Device/ Exit Alarm	Rail Size	Exit Finish
2-Week	12-	5304, 5310, 5313, 5315	E, F, J & G	EB, EN, ERD, 32D, BSP

Options

12	Fire Rated

Finishes

EN	Aluminum Enamel to Match US28
EB	Bronze Enamel to Match US10B
ERD	Polyester Powder Coat - Red
32D	Brushed Stainless Steel
BSP	Black Suede Powder Coat

Rail

E	32" only
F	33" - 36" (84cm - 91cm)
G	43" - 48" (110cm - 122cm)
J	37" - 42" (94cm - 107cm)

Trim

28-C-LL	13 Function
28-D-LL	10 Function
28-K-LL	04 Function
28-L-LL	15 Function
53 K HTB	04 Function
53 E GTB	10 Function - Exit Only
53 D GTB	10 Function - Pull

Functions

04	(ANSI 03) Night Latch Key Retracts Latch
10	(ANSI 02) Dummy Trim No Outside Operation
13	(ANSI 08) Entrance Lock Key Locks/Unlocks Trim
15	Passage Only

Hand

RHR	Right Hand Reverse
LHR	Left Hand Reverse

Note: Electrified products have a total maximum quantity of 50 locks per order

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Exit Devices

5300 Series Trim

Trim for 5300 Series Exit Alarm

Program	Function	Trim	Trim Finish
2-Week	04, 10, 13, 15	88-C-LL, 88-D-LL, 88-K-LL, 88-L-LL, 53 K HTB, 53 D GTB, 53 E GTB	EB, EN, ERD, 32D, BSP

Designed for areas requiring a standalone alarm on outward swinging doors, the 5300 Series has an integrated, immediate sounding alarm in the push rail to discourage unauthorized use of exit doors.

Finishes

EN	Aluminum Enamel to Match US28
EB	Bronze Enamel to Match US10B
ERD	Polyester Powder Coat - Red
32D	Brushed Stainless Steel
BSP	Black Suede Powder Coat

Trim

28-C-LL	13 Function
28-D-LL	10 Function
28-K-LL	04 Function
28-L-LL	15 Function
53 K HTB	04 Function
53 E GTB	10 Function - Exit Only
53 D GTB	10 Function - Pull

53 K HTB

53 D GTB

53 E GTB

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Exit Devices

7000 Series

The 7000 is perfect for a wide variety of applications including conference rooms, commercial office buildings, convention centers, upscale condominiums, medical and educational institutions where exit devices are not required.

Program	Options	Exit Device	Escutcheon	Lever	Finishes
1-Week	60, 70, KD, LC	700615, 701015, 701313, 701315, 701515, 707415	ET	B, J, L, P, MD, ME, MI, MJ, MV, ND, NJ, REM (32D only)	26D, BSP
2-Week				B, J, L, P, MD, ME, MI, MJ, ND, NJ, REM (32D only)	

Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder

Finishes

26D	Satin Chrome
BSP	Black Suede Powder Coat

Opening Height
(Center Line of Exit Device is 41" AFF)

84"
96"

Functions

700615	Key unlocks Trim; Trim retracts latch; Trim relocks when key is removed
701015	No outside Operation (No Cylinder); Pull Only
701313	Class Room Key Outside Unlocks/ locks Trim; #41 Cylinder Supplied
701315	Class Room Key Outside Unlocks/ locks Trim; #41 Cylinder Supplied
701515	Passage only (No cylinder)
707415	Electrified Trim - Fail Secure

Hand

RHR	Right Hand Reverse
LHR	Left Hand Reverse

Note: Maximum quantity of 25 units per order

B Lever

J Lever

L Lever

P Lever

MD Lever

ME Lever

MI Lever

MJ Lever

ND Lever

NJ Lever

REM Lever

ET Trim

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Exit Devices

80 Series Parts

Program	Part #	Description	Finishes
24-Hour, 1-Week & 2-Week	01-0098	Retaining Clip	Standard
	01-0610	Wave Spring Washer Standard	
	68-0405	8700 Chassis Cover	10B, 32D, BSP
	68-0406	8800 Chassis Cover	
	68-0407	8600 & 8900 Chassis Cover	
	68-0561	Plastic End Cap	Black
	68-2279	Through-bolt Pack - Rail & Chassis (86,87,88,89)	10B, 26D, BSP
	68-2282	Through-bolt Pack - Cases & Guides (87)	
	68-2288	Through-bolt Pack - 12-8700	
	68-2596	Hex Key Dogging Kit	Standard
	68-2695	F Rail Assembly - Wide	32D
	68-2696	G Rail Assembly - Wide	
	68-2697	J Rail Assembly - Wide	
	68-2703	12- F Rail Assembly - Wide	
	68-2704	12-G Rail Assembly - Wide	
	68-2705	12-J Rail Assembly - Wide	
	68-3023	Screw Pack 12-8700	26D
	68-3671	ET Spindle Adapters (Square spindle to cross shaped -8)	Standard
	94-2050	Top Retainer	EB/EN
	94-2051	Bottom Retainer	
	97-0001	Hex Dogging Key	Standard
	97-0020	Rod Guides	10B, 32D, BSP
	97-0052	End Cap Screws (Cover)	
	97-0349	16-Collar (for rail Lockdown)	26D
	98-2190	Top Retainer Pack(980S)	N/A
	98-2191	Bottom Retainer Pack (980S)	
	98-2525	Bottom Retainer Pack (L980)	
	98-2526	Top Retainer Pack (L980)	
	98-2556	Bottom Retainer Pack (L980S)	
	98-2559	Top Retainer Pack (L980S	
	98-2578	Wall Mount Kit (L980)	10B
	98-2579	Wall Mounting Kit (L980S)	N/A
	98-2594	Bottom Retainer Pack (HCL980)	
	98-2599	Tom Retainer Pack(HC980, 12-HC980, 12-HCL980)	
	98-2600	Bottom Retainer Pack (HC980, 12-HC980, 12-HCL980)	
	502	Bottom Retainer (980)	
	511	Top Retainer (980)	
	565	Metal End Cap Kit	32D

Program	Part #	Description	Finishes
24-Hour, 1-Week & 2-Week	571-12	12" Rod Ext . Kit for 9700/2700/8700 (mfg prior 11/02)	10B, 32D, BSP
	571-18	18" Rod Ext . Kit for 9700/2727/8700 (mfg prior 11/02)	
	571-6	6" Rod Ext . Kit for 9700/2700/8700 (mfg prior 11/02)	
	601	Top Retainer Shim Kit (HC980, 980S, 12-HC980, L980S, HCL980, 12-HCL980)	N/A
	644	Strike - Surface or Double door strike for 2828 & 8800	Black Nylon
	649	Strike - Standard for 12-2828, 12-5800, 12-8800, 12-9800	
	650	Top Strike	
	665	Flush End Cap	32D
	687-12	Top Rod for 8700 41" AFF - 96" Door (new style 8700's), PP/PR/SP8700	10B, 32D, BSP
	687-18	Top Rod for 8700 41" AFF - 102" Door (new style 8700's), PP/PR/SP8700	
	687-6	Top Rod for 8700 41" AFF - 90" Door (new style 8700's), PP/PR/SP8700	
	809	Lexan Touchpad Kit	Black
	815	Open Back Strike - LHR	Black Nylon
	815	Open Back Strike - RHR	
	980C1	Cylinder Kit (L980S, HCL980)	10B, 26D

Program	Part #	Description	Finishes
1-Week & 2-Week	97-0579	Holdback Spring for Top Case	Standard
	576	12-Bottom Pullman Bolt Conversion Kit (8700)	Standard
	587	Shim Kit (8700)	EN
	589	Shim Kit (8800, 12-8800, 8910 & 12-8910 Function)	
	730-1	700 Series Spindle Kit - 1-3/4" Door	Standard
	730-2	700 Series Spindle Kit - 2" Door	
	730-3	700 Series Spindle Kit - 2-1/4" Door	
	730-7	700-8 Series Spindle Kit - 1-3/4" Door	
	730-8	700-8 Series Spindle Kit - 2" Door	
	730-9	700-8 Series Spindle Kit - 2-1/4" Door	
	816-1	Cylinder Dogging Kits - w/ Wide Stile F size rail	10B, 32D, BSP
	816-2	Cylinder Dogging Kits - w/ Narrow Stile E, F size rail	
	816-3	Cylinder Dogging Kits - w/ Wide Stile G size rail	

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90 Series

Program	Part #	Description	Finishes
24-Hour, 1-Week & 2-Week	97-0020	Rod Guides	10B, 32D
	98-2159	Bolt Spring & Bracket Assembly	Standard

30 Series

Program	Part #	Description	Finishes
24-Hour, 1-Week & 2-Week	28-2024	3828 TB Pack	10B or 26D
1-Week & 2-Week	28-2031	3727 TB Pack	

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Exit Devices

Electromechanical Parts & Accessories

Miscellaneous Accessories

Program	Part #	Description	Finish
24-Hour, 1-Week, 2-Week	807	TL- SARGuide Lamp Repl. Kit	N/A
	32-7044	Tamper Switch & Bracket Assembly for 5100/5800	
	3287	Door Position SPDT Switch (Concealed)	
	547	Retrofit Kit to cover Unican Prep (10L)	26D

12 & 24 Volt Power Supplies

Program	Part #	Description
24-Hour, 1-Week, 2-Week	LSP-12-24	12V - 6AMP / 24V - 3AMP Power Supply
	737	12VDC-5 Amp Hour Battery Backup
	738	24VDC-5 Amp Hour Battery Backup
	TMR2	Multi-Function Timer 12 or 24 VDC/VAC
	TMR9	Release Hold Timer
1-Week & 2-Week	LSP-12-24	12V - 6AMP / 24V - 3AMP Power Supply

55- Request to Exit Insert Kits

Program	Part #	Description	Finish
24-Hour, 1-Week, 2-Week	855	Universal Retrofit Kit	N/A

59- Delayed Egress Accessories

Program	Part #	Description	Finish
	52-2204	Latchbolt Switch Assembly for 59-8500/59-8800	N/A
	52-5052	Electroguard Circuit Board Replacement Kit (59-)	
	68-3784	Rail Assembly for wide stile 12-59-80 Series (F)	

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56-Electric Latch Retraction Rails & Accessories

Program	Part #	Description	Finish
24-Hour, 1-Week, 2-Week	68-0807	56-80 Series ELR Lift Lever for Devices mfg prior to 2007	N/A
	68-3211	56- Rail Assembly for 80 Series - Wide Stile - 43"-48" (G)	32D
	68-3212	56- Rail Assembly for 80 Series - Wide Stile - 33"-36" (F)	
	68-3213	56- Rail Assembly for 80 Series - Wide Stile - 37"-42" (J)	
	68-3216	56- Rail Assembly for 80 Series - Narrow Stile 43"-48" (G)	
	68-3217	56- Rail Assembly for 80 Series - Narrow Stile 33"-36" (F)	
	68-3218	56- Rail Assembly for 80 Series - Narrow Stile 37"-42" (J)	

Availability: 56-Electric Latch Retract Push Kits

Program	Options	Push Kit	Rail Size	Finishes
24-Hour	–	M56A, R56A	F	32D
1-Week & 2-Week	19-, 55-, HK-	M56A, M56B, R56A, R56B	F, J & G	03, 10, 10B, 32D

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Auxiliary Locks

4870 Series Mortise Deadbolt

The SARGENT 4870 Series Deadbolt is a heavy duty deadbolt that assures safety and security.

4870 Series

Program	Options	Functions	Finishes
24-Hour	KD	4875	26D
1-Week 2-Week	KD, SC, 60, 70, LC	4874, 4875, 4877	03, 10, 10B, 10BE, 26, 26D, BSP

Functions

4874	Cylinders O/S & I/S
4875	Cylinder O/S & Thumb Turn I/S
4877	Cylinder O/S & Thumb Turn I/S; Thumb Turn retracts Deadbolt only

Cylinder Options

KD	Keyed Different
SC	Schlage "C" Keyway
60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
LC	Less Cylinder

Finishes

03	Bright Brass
10	Dull Bronze
10B	Oxidized Dull Bronze
10BE	Dark Oxidized Satin Bronze - Equivalent
26	Bright Chrome
26D	Satin Chrome
BSP	Black Suede Powder Coat

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Auxiliary Locks

460 & 480 Series Cylindrical Deadbolt

The 460 Series is a medium grade cylindrical deadbolt that is ANSI/BHMA A156.36 1000 Series Grade 2 certified.

The 480 Series is a high grade cylindrical deadbolt that is ANSI/BHMA A156.36 1000 Series Grade 1 certified.

460 Line

480 Line

460 Line

Program	Options	Functions	Finishes
24-Hour	KD	464, 465, 468	26D
1-Week, 2-Week	KD, SC		03, 10B, 10BE, 26D

480 Line

Program	Options	Functions	Finishes
1-Week, 2-Week	KD, SC, 20, 60, 70, LC	484, 485, 487, 489	03, 10, 10B, 10BE, 26D

Cylinder Options

KD Keyed Different
SC Schlage "C" Keyway
60 Disposable Construction Core
70 Interchangeable Core Disposable Plug
LC Less Cylinder

Options

20 for 2-3/8" 160 prep

Functions

464 Double Cylinder
465 Single Cylinder
468 Thumb Turn x Indicator
484 Cylinders O/S & I/S
485 Cylinder O/S & Thumb Turn I/S
487 Cylinder O/S & Thumb Turn I/S; Thumb Turn retracts Deadbolt only
489 Turn Lever I/S & Blank Plate O/S

Finishes

03 Bright Brass
10 Dull Bronze
10B Oxidized Dull Bronze
10BE Dark Oxidized Satin Bronze Equivalent
26D Satin Chrome

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Auxiliary Locks

758 & 858 Series Padlocks

The 758 padlock is manufactured to the highest quality standard and is available with multiple keyways, allowing use into master keyed systems (6 pin cylinder standard).

758, 858 Series

Program	Options	Functions
1-Week, 2-Week	KD, 60	758, 858

Functions

758 Key retaining. Key removable in locked position only

858 Non key retaining. Key can be removed while unlocked and relocked without key

Cylinder Options

KD Keyed Different

SC Schlage "C" Keyway

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Auxiliary Locks

Auxiliary Parts

480 Line Parts

Program	Part #	Description	Finishes
1-Week, 2-Week	16-2153	Deadbolt Assembly - 2-3/8" BS	03, 04, 10, 10B, 32D
	16-2149	Deadbolt Assembly - 2-3/4" BS	
	16-2201	Screw Packs - 484	03, 04, 10, 10B, 26D
	16-2202	Screw Packs - 485, 486, 487	03, 10, 10B, 26D
	16-2203	Screw Packs - 489	
	16-2039	T-Turns-Inside - 485, 489	03, 26D
	16-2179	T-Turns-Inside - 487	
	16-2460	Dummy Plates-Outside - 489	03, 10, 10B, 26D

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The KP Series Keypad locks are designed for openings that require standalone, basic authorized entry capabilities. They are battery powered, motor driven, self contained locks that use a microprocessor based controller with non-volatile memory. All programming is done at the door using the keypad with functions selected by the user according to opening requirements.

Program	Options	Functions	Trim	Lever	Finishes
1-Week, 2-Week	60, 70, KD, LC	KP-10XG77	G, L	B, L, P	26D

Program	Options	Functions	Trim	Lever	Finishes
1-Week, 2-Week	60, 70, KD, LC	KP-8276, KP-8278	LN	B, J, L, P	26D

Program	Options	Functions	Rail Size	Trim	Lever	Finishes
1-Week, 2-Week	60, 70, KD, LC	KP-8877	F	ET	B, J, L, P	32D

Cylinder Options

KD	Keyed Different
60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
LC	Less Cylinder

Finishes

26D	Satin Chrome
32D	Satin Stainless Steel

Functions

KP-10XG77	Cylinder override
KP-8276	Cylinder override and deadbolt
KP-8278	Cylinder override and no deadbolt
KP-8877	Deadbolt and no cylinder override

Rail

F	33" - 36" (84cm - 91cm)

Note: Electrified products have a total maximum quantity of 50 locks per order

B Lever

L Lever

P Lever

G Rose (10X Line Only)

L Rose (10X Line Only)

LN Rose

ET Trim

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Switches, Keypads, Key Switches & Readers

Program	Part #	Description	Finish
1-Week, 2-Week	4370	One SPDT Maintain Key Switch	32D
	4371LT	One SPDT, w/2 LED's & Adjustable Time, Momentary Key Switch	
	4375LH	Two SPDT, 2 LED'S, 1 Horn, Momentary Key Switch	

Keypad Assemblies & Controllers

Program	Part #	Description	Finish
24-Hour, 1-Week, 2-Week	52-2299	Keypad Assembly for KP10XG77, KP8200, KP8800, KP8900	N/A
	52-6085 - KP	Universal Controller	

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SHIP VIA _____ STD. SARGENT CARRIER _____ (OTHER) _____

☐ **24-Hour**

☐ **1-Week**

Quote # _____

- Standard buying program % or quoted discount less 5 points
- Orders shipped within 5 business days
- $50k net/net maximum order

☐ **2-Week**

Quote # _____

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- Orders ship within 10 business days
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Qty	Cylinder Option	Cylinder Type	Finish

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☐ **24-Hour**

☐ **1-Week**

Quote # _____

- Standard buying program % or quoted discount less 5 points
- Orders shipped within 5 business days
- $50k net/net maximum order

☐ **2-Week**

Quote # _____

- Standard buying program % or quoted discount
- Orders ship within 10 business days
- $50k net/net maximum order

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ORD NO.

Please refer to this Catalog for all options, functions, trims, finishes and hands availability.

Qty	Options	Function	Rail Size	Trim	Finish	Hand	Item#	Door No.	Qty	Keyset	Stamp Keyset Yes/No

Order Forms

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Order Form - TurboShip Bored Locks

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BUYER _____ TITLE _____

SHIP GOODS TO _____

ADDRESS _____

ATTN TO _____

CITY _____ STATE _____ ZIP _____

SHIP VIA _____ STD. SARGENT CARRIER _____ (OTHER) _____

☐ **24-Hour**

☐ **1-Week**

Quote # _____

- Standard buying program % or quoted discount less 5 points
- Orders shipped within 5 business days
- $50k net/net maximum order

☐ **2-Week**

Quote # _____

- Standard buying program % or quoted discount
- Orders ship within 10 business days
- $50k net/net maximum order

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ORD NO.

Qty	Options	Function	Rose	Lever	Finish	Hand

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Order Form - TurboShip Door Closers

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ADDRESS _____

CITY _____ STATE _____ ZIP _____

BUYER _____ TITLE _____

SHIP GOODS TO _____

ADDRESS _____

ATTN TO _____

CITY _____ STATE _____ ZIP _____

SHIP VIA _____ STD. SARGENT CARRIER _____ (OTHER) _____

☐ **24-Hour**

☐ **1-Week**

Quote # _____

- Standard buying program % or quoted discount less 5 points
- Orders shipped within 5 business days
- $50k net/net maximum order

☐ **2-Week**

Quote # _____

- Standard buying program % or quoted discount
- Orders ship within 10 business days
- $50k net/net maximum order

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ORD NO.

Qty	Options	Door Closer Type	Arm Type	Finish

Order Forms

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Order Form - TurboShip
8200 Mortise Locks

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BUYER _____ TITLE _____

SHIP GOODS TO _____

ADDRESS _____

ATTN TO _____

CITY _____ STATE _____ ZIP _____

SHIP VIA _____ STD. SARGENT CARRIER _____ (OTHER) _____

☐ **24-Hour**

☐ **1-Week**

Quote # _____

- Standard buying program % or quoted discount less 5 points
- Orders shipped within 5 business days
- $50k net/net maximum order

☐ **2-Week**

Quote # _____

- Standard buying program % or quoted discount
- Orders ship within 10 business days
- $50k net/net maximum order

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ORD NO.

Qty	Options	Function	Trim	Lever	Finish	Hand	Voltage

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Order Form - TurboShip Exit Devices

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CUSTOMER _____

CUSTOMER ACCT. NO. _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

BUYER _____ TITLE _____

SHIP GOODS TO _____

ADDRESS _____

ATTN TO _____

CITY _____ STATE _____ ZIP _____

SHIP VIA _____ STD. SARGENT CARRIER _____ (OTHER) _____

☐ **24-Hour**

☐ **1-Week**

Quote # _____

- Standard buying program % or quoted discount less 5 points
- Orders shipped within 5 business days
- $50k net/net maximum order

☐ **2-Week**

Quote # _____

- Standard buying program % or quoted discount
- Orders ship within 10 business days
- $50k net/net maximum order

FOR EDITING, DO NOT WRITE

ORD NO.

Qty	Options	Exit Device x Function	Rail Size	Door Height	Trim	Finish	Hand

Order Forms

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Order Form - TurboShip Auxiliary Locks

THIS FORM IS THE PURCHASE ORDER. DO NOT SEND A COVER P.O.
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SARGENT
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SHIP VIA _____ STD. SARGENT CARRIER _____ (OTHER) _____

☐ **24-Hour**

☐ **1-Week**

Quote # _____

- Standard buying program % or quoted discount less 5 points
- Orders shipped within 5 business days
- $50k net/net maximum order

☐ **2-Week**

Quote # _____

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FOR EDITING, DO NOT WRITE

ORD NO.

Qty	Cylinder Option	Auxiliary Lock Function	Finish

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Order Form - TurboShip Access Control

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- $50k net/net maximum order

☐ **2-Week**

Quote # _____

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- Orders ship within 10 business days
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FOR EDITING, DO NOT WRITE

ORD NO.

Qty	Options	Function	Rail Size*	Trim	Finish	Hand

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* Rail size applies to exit device orders only

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100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
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