

Five Knuckle Standard Weight Series

Recommended for standard weight, medium frequency doors, or doors with closing devices.

- Use for common flush door/frame/wall applications
- For Beveled Edge, where doors are beveled on hinge side, specify TA4314 or TA4714
- For available finishes see page 28

TA2314
TA2714

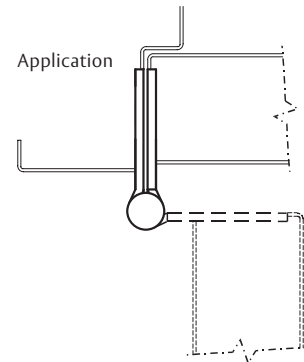


No.	ANSI Cross Reference	Base Material	Weight
TA2314	A5112	Stainless	STD
TA2314	A2112	Brass	STD
TA2714	A8112	Steel	STD

Specifications

Inches	mm	Gauge	No. of Holes	Fasteners	
				Machine	Wood
3 1/2" x 3 1/2"*	88.9 x 88.9	.123	6	1/2 x 10-24	1 x 10
4" x 4"*	101.6 x 101.6	.130	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4"	114.3 x 101.6	.134	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4 1/2"	114.3 x 114.3	.134	8	1/2 x 12-24	1 1/4 x 12
5" x 4 1/2"*	127 x 114.3	.146	8	1/2 x 12-24	1 1/4 x 12
5" x 5"*	127 x 127	.146	8	1/2 x 12-24	1 1/4 x 12
6" x 6"*	152.4 x 152.4	.160	10	1/2 x 1/4-20	1 1/2 x 14

* Not available in Brass base material.



Options:

Code	Description
NRP	Non-Removable Pin
TB	Ball Bearing
TCA	Concealed Bearing
RC	Round Corner – 1/4" radius furnished unless specified otherwise
HT	Hospital Tip
BT	Ball Tip
FT	Flat Tip*

Code	Description
GT	Grooved Tip*
LT	Lined Tip*
RT	Round Tip*
ST	Steeple Tip
SSF	Safety Stud Feature
CC	Concealed Circuit – 4, 8, or 12 wire available

Code	Description
CC-18	Concealed Circuit – 2, 4, 6, 8 or 10 wire available (2-18AWG wires and the remainder 28AWG wires)
MM	Magnetic Monitoring
QC	ElectroLynx® Hinge – 4, 8 or 12 wire available

*Not available on 3-1/2" and 6" sizes

McKinney Hinge Pin Door Stop

- Recommended for high-use or high impact doors with McKinney T2714 or TA2714 hinges
- Protects against damage to doors and walls
- Runs the full length of the hinge

Part number	Description	Finish
76305	Hinge Pin Stop for MacPro MP79 & MPB79	26D
76306	Hinge Pin Stop for McKinney T2714 & TA2714	26D



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Five Knuckle Heavy Weight Full Mortise Series

Recommended for use on high frequency and/or heavy wood or metal doors in schools, hospitals or other public buildings where heavy traffic is experienced.

- Heavy weight hinges should be used on all extra heavy doors or those exposed to high frequency use
- T4A3386- Stainless steel base or available in brass base material polished
- T4A3786- Steel base material
- For Beveled Edge, where doors are beveled on hinge side, specify T4A4386 or T4A4786
- For available finishes see page 28

Note: 8" x 6" and 8" x 8" have six bearings. Specify T6B3386 or T6B3786.

No.	ANSI Cross Reference	Base Material	Weight
T4A3386	A5111	Stainless	HVY
T4A3386	A2111	Brass	HVY
T4A3786	A8111	Steel	HVY

Specifications

Inches	mm	Gauge	No. of Holes	Fasteners	
				Machine	Wood
4 1/2" x 4"	114.3 x 101.6	.180	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4 1/2"	114.3 x 114.3	.180	8	1/2 x 12-24	1 1/4 x 12
5" x 4 1/2"	127 x 114.3	.190	8	1/2 x 12-24	1 1/4 x 12
5" x 5"	127 x 127	.190	8	1/2 x 12-24	1 1/4 x 12
6" x 5"	152.4 x 127	.203	10	1/2 x 1/4-20	1 1/2 x 14
6" x 6"	152.4 x 152.4	.203	10	1/2 x 1/4-20	1 1/2 x 14
8" x 6"	203.2 x 125.4	.203	16	1/2 x 1/4-20	1 1/2 x 14
8" x 8"	203.2 x 203.2	.203	16	1/2 x 1/4-20	1 1/2 x 14

* Not available in brass base material.

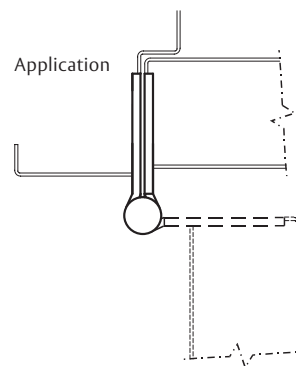
** Available in steel only.

***Available in stainless steel only.

****FT tips not offered on 6" and 8" sizes, BT and ST not offered on 8" sizes.

T4A3386

T4A3786



Options:

Code	Description
NRP	Non-Removable Pin
T4B	Ball Bearing
TCA	Concealed Bearing
RC	Round Corner – 1/4" radius furnished unless specified otherwise
HT	Hospital Tip
BT****	Ball Tip
FT****	Flat Tip
ST****	Steeple Tip
SSF	Safety Stud Feature
RB	Raised Barrel*
QC	ElectroLynx® Hinge – 4, 8 or 12 wire available
CC	Concealed Circuit – 4, 8 or 12 wire available
CC-18	Concealed Circuit – 2, 4, 6, 8 or 10 wire available (2-18AWG wires and the remainder 28AWG wires)
MM	Magnetic Monitoring

* Refer to page SP-3 for Raised Barrel.

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What is PemkoHinge®?

PemkoHinge® consists of two full-height, paired and geared leaves. Each geared leaf rotates evenly from top to bottom riding on proprietary polymer blended bearings. The geared leaves and bearings are held together by a full-length channel cap. This assembly retains the smooth, clean lines of the door and frame, while easily supporting heavy vertical loads.

PemkoHinge®

SECURITY, SAFETY, PRIVACY, LOW WEAR AND TEAR

PemkoHinge® Attributes:

- With a continuous hinge, typical alignment problems (such as door sag and binding) are eliminated
- The continuous hinge distributes load stress uniformly along the full length of the door and frame
- The gear design of the continuous hinge ensures symmetrical operation of each leaf
- ½ lb. or less operating force required to operate most doors, regardless of size
- Low operating force feature makes continuous hinges ideal for doors used by the physically challenged
- The continuous hinge, when installed on standard steel doors and frames, requires no additional reinforcement. However, hinge preps must have fillers installed for proper operation
- A high degree of security can be achieved for exterior openings or restricted spaces by using a continuous hinge. With the geared construction and the full-length channel cap, the common gap between the door and frame is sealed, which provides security against prying
- In addition, the continuous full-height hinge cap protects against pinching fingers in doors in public areas, particularly those where children are present
- Sight proof design of the continuous hinge provides privacy for lavatories, executive offices, or file rooms

PemkoHinge® Superior Design:

- PemkoHinge® has increased critical stress points of the hinge leaf extrusions providing additional strengths and rigidity to the completed product
- PemkoHinge® bearing design eliminates premature wear, guarantees proper alignment, and requires fewer bearings to carry more weight. The bearing is produced for Pemko using a chemical composition and injection process that provides a stronger, more accurately formed bearing
- PemkoHinge® is designed with inter-meshing gear segments in the hinge which provide 50% more bearing surface resulting in less wear
- PemkoHinge® goes through the anodizing process after completing all machining. This means the machined aluminum surfaces that are in direct contact with the bearing have a smoother, harder surface, thereby reducing wear
- PemkoHinge® maintains uniform bearing spacing for the full length of the hinge even when lengths exceed 10'
- PemkoHinge® uses #12-24 size fasteners with #10 head (#12 Tek fasteners available upon request)
- PemkoHinge® commercial models are ideal for use on lead lined doors (i.e. hospital X-ray rooms), without requiring special screw locations

How To Order (Hinge Part Designations)

Example: D | SPFM | 85 | SLI | HD1

Finishes		Hinge Types		Lengths	Hinge Options		Capacity	
BL	Black Anodized	FM	Full-Mortise	79	"blank"	Standard	"blank"	Standard Duty
C	Clear Anodized	FS	Full-Surface	83	CP	Center Pivot	HD1	Heavy Duty, Grade 1
D	Dark Bronze Anodized	HS	Half-Surface	85	RG	Raised Gear	HD3	Heavy Duty, Grade 3
G	Gold Anodized	RS138	Full-Mortise Residential: 1 ³ / ₈ "	95	SF	Safety		
PW	Painted White	RS175	Full-Mortise Residential: 1 ³ / ₄ "	120	SL	Short Leaf (residential only)		
SN	Satin Nickel Anodized	SPFM	Special Full-Mortise		SLF	Short Leaf Flush		
		WT_FM	Wide Throw Full-Mortise		SLI	Short Leaf Inset		
		WT_HS	Half-Surface					

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BHMA Certification Program

This program was developed to establish product classifications through performance testing. Three grades (1, 2 and 3) of product classifications were established for continuous hinges, with three weight groups (150, 300 and 600) for each grade: Grade 3 being the lowest and Grade 1 being the highest classification. Each classification and weight group has a set of established cycle requirements and wear characteristics, with a minimum for vertical and lateral wear to establish a listing under a weight and grade classification, after the set number of cycles is completed.

Maximum Vertical Wear Allowable:

Grade 3 = 0.105"

Grade 2 = 0.030"

Grade 1 = 0.020"

Maximum Lateral Wear Allowable:

All Grades = 0.062"

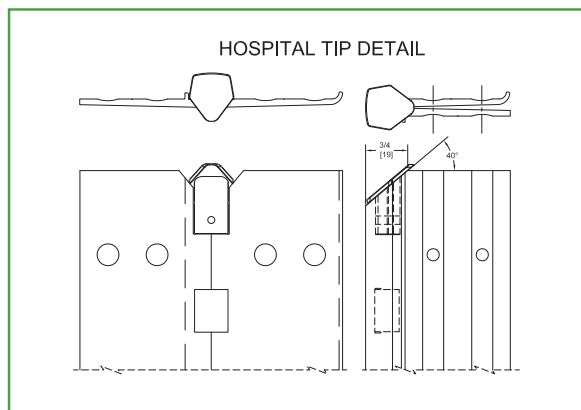
Cycle requirements range from Grade 3-600 requiring 100,000 cycles through Grade 1-150 requiring 2.5 million cycles.

For more information on certification testing or other product certification programs, please contact Pemko Customer Service.



Hospital Tip

A special modification is available for certain hinges which provides a Hospital Tip Cap at the top of the gear cap, leaving no opening. A 45° angled cut on the gear cap and leaf covers provides a safe environment for hospitals and correctional facilities.



Cycle Requirements - Per BHMA Standard ANSI/BHMA A156.26-2012

- Standard Duty Hinges (excluding _RS175 & _RS138) conform to Grade 3-150 and Grade 3-300
- HD3 Hinges conform to Grade 3-150, Grade 3-300, and Grade 3-600
- HD1 Hinges conform to Grade 2-150, Grade 1-300, and Grade 1-600
- 1100 Series and X-Series Hinges conform to Grade 1-150

Weight Bearing - Per BHMA Standard ANSI/BHMA A156.26-2012

- This information pertains to all commercial models
- Heavier weight can be carried; please contact Customer Service for applications other than those listed in the chart
- Special hinge reinforcements are not required as hollow metal door and frame manufacturers' standard are acceptable. Removal of hinge reinforcements in the door and frame is not advised. Hinge preps must have fillers installed

UL Fire Labeled 1½ & 3 Hour



LISTED
DOOR HINGE
76Y2

- All models designated with these symbols are tested and certified by Underwriters Laboratories Inc.® (U.S.A. and Canada) to standards UL10B, UL10C and UBC7.2 (positive pressure) for a 1½-Hour Fire Listing for all 4'0" x 10'0" and 8'0" x 10'0" door and frame assemblies. Fire listing certifications apply to all approved hollow metal and wood door assemblies in drywall or masonry wall construction
- Special FirePins™ are only required on 3-Hour assemblies. Please refer to page 95 for illustrations and information regarding the application of Pemko FirePins™

- All hinges are supplied with standard fastener kits. Replacement kits/individual fasteners may be purchased separately
- TEK/TORX fasteners may be purchased separately. Full-mortise hinges require 40 each; half-surface hinges require 20 each; full-surface hinges require 12 each
- All half-surface and full-surface hinges are supplied with a snap cover for the door leaf. Replacement snap covers may be purchased separately
- Rain caps may be purchased separately

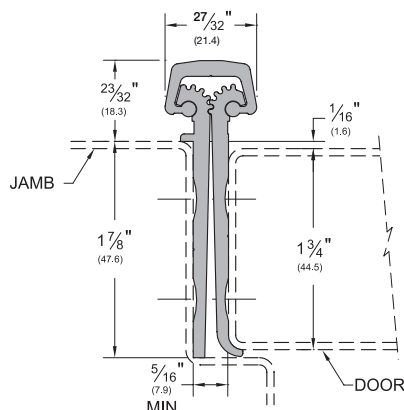
Full Mortise Hinges

- Full-Mortise units are designed mainly for new door applications and are applied to the frame rabbet and door edge to conceal both leaves

Full Mortise

_FM

STANDARD FINISHES: C, D

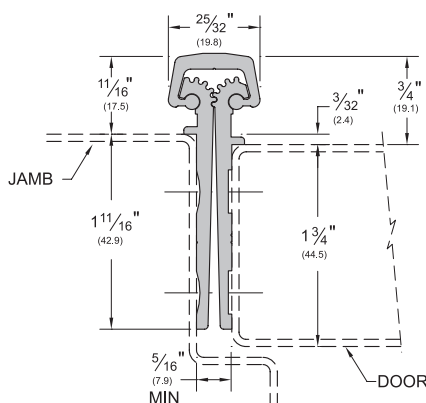


Full Mortise Short Leaf Inset

- Designed for use with doors which range between 1 3/4" to 2 1/4"
- Designed for use with hollow metal doors and frames where the inset conforms to S.D.I. specifications for aligning doors and frames

_FM_SLI

STANDARD FINISHES: C, D

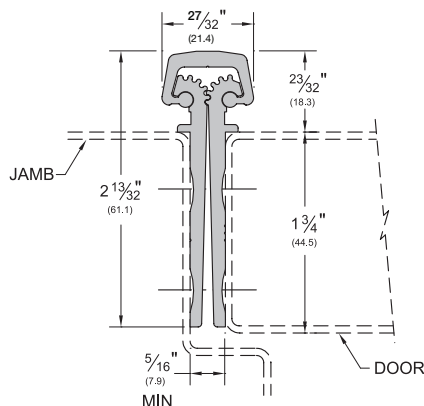


Full Mortise Short Leaf Flush

- Designed for use with doors which range between 1 3/4" to 2 1/4"
- Also used for bifold applications to keep the faces of the doors flush (not illustrated)

_FM_SLF

STANDARD FINISHES: C, D



OPTIONAL FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

BL (Black Anodized) G (Gold Anodized)

PW (Painted White) and SN (Satin Nickel) are special finishes available upon request.

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RITE Slide Sliding Door Solutions

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A Sound Alternative
to Swinging Doors

The RITE Slide System. A smooth operating solution designed with quality for privacy and acoustical performance.



Introducing the RITE Slide Integrated Sliding Door Solution – an acoustically rated sliding door assembly from ASSA ABLOY, the industry leader in sound rated doors, frames, and hardware.

RITE Slide Benefits & Features

Drawing on years of experience and expertise in building acoustically rated door systems for acoustics, RITE Slide is engineered for a wide array of applications – including projects where sound control and space are critical design considerations.

- Acoustically Rated and Non Acoustic Options
- Soft close operation standard:
 - Quiet and controlled operation
 - Less wear and tear
- Cycle tested to 100,000 cycles with periodic replacement of soft close devices
- Smoke and draft rated
- Perimeter seals that block light and sound
- Modern aesthetic design
- Acoustically tested to STC 34
- Built-in three axis adjustability for ease of installation

FRAME AND TRACK

- Aluminum frame and track
- Square, Round or Chamfer fascia to compliment any design requirement
- Narrow 1-1/2" face frame profiles provide a sleek aesthetic design
- Heavy duty track hardware rated for doors up to 550 lbs.
- Class II clear anodized standard, custom paint available

DOOR

- Flush wood door with optional vision or louver kits
- 11 veneer species; 5 door stain colors standard
- Custom wood door available upon request
- Fully mortised automatic door bottom seals door when closed
- Concealed surface-mounted bottom door guide

HARDWARE

- Operational hardware for passage or privacy locking applications in various models



Acoustically Tested and Rated for Sound Control

Sound seals, automatic door bottoms, soft open and close mechanisms, along with an engineered core wood door ensures privacy and a quiet RITE Slide operation.

RITE Slide is ideal for these applications

- Medical exam rooms
- Patient rooms
- Offices
- Hospitality

Both series feature soft open and close operation that resists slamming and minimizes wear and tear of hardware. The acoustically rated series has been third party tested to an STC 34 utilizing a flush wood door as a complete assembly according to ASTM E90.

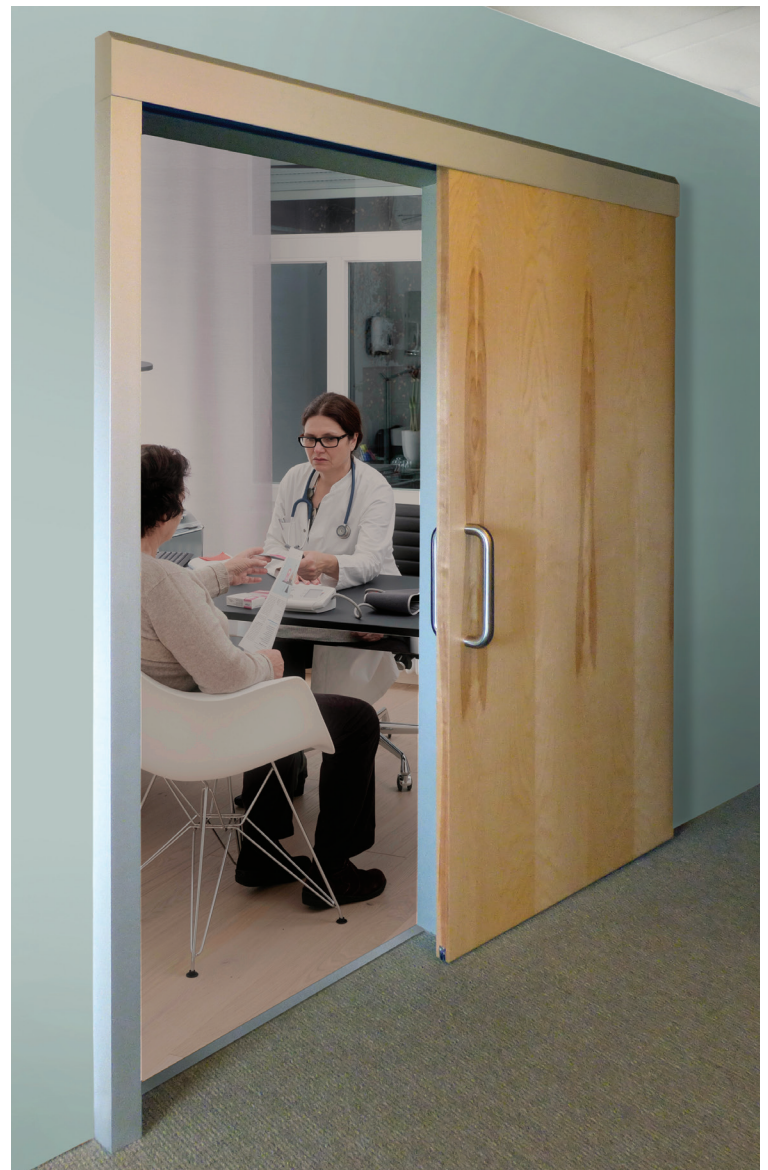
Specify for your requirements

Acoustically Rated

- Third party verified, STC 34 rating
- Optional smoke and draft rated in accordance with UL1784

Non Acoustic

- Optional smoke and draft rated in accordance with UL1784



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

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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.



The RITE Slide Integrated Sliding Door Assembly has been tested according to the following standards:

- ASTM E90-09 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- ASTM E1332-16 Standard Classification for Rating Outdoor-Indoor Sound Attenuation
- UL 1784 Standard for Air Leakage Tests of Door Assemblies and Other Opening Protectives
- ASTM E413-16 Classification for Rating Sound Insulation

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Phone: (218) 828-6256
Email: rite.slide@assaabloy.com



Power Transfers

CEPT Concealed Electrical Power Transfer

*Beautifully crafted, compact,
secure power transfer*



The heavy-duty, tamper-resistant Concealed Electrical Power Transfer (CEPT) securely transfers power and data from the hinge side of the frame to electrified hardware on the door.

The unit is discreetly concealed between the frame and door when the door is closed. Available in three multi-wire configurations and four finishes, the CEPT complements any architectural setting.

Features

Standard Features

- Mortises into the edges of the door and frame
- Direct retrofit for competitor products
- Tamper resistant
- All metal construction including back boxes
- 7/8" [22.25mm] knockouts on back boxes accommodate EMF-type fittings
- Tested to 1 million cycles
- Compatible with butt hinges up to 6" [152.4mm] and continuous hinges with cutout
- MagnaCare® lifetime replacement, no-fault, no questions asked warranty

Optional Features

- **CEPT-10** includes 8–22 AWG wires plus 2–18 AWG wires for higher current devices
- **CEPT-CSE** includes CAT5E compatible with 8-24 AWG wires, 1–22 AWG wire, conductor, Molex connectors
- **EL-CEPT** is ElectroLynx® compatible with 12-22 AWG wires, ElectroLynx connectors



CEPT Concealed Electrical Power Transfer

Specifications

Certifications

- ANSI/UL 10C Listed, 3 hour rated
- ULC-S318 Listed, 3 hour rated
- ANSI/SDI-BHMA A250.13 (+/- 150 psi) Windstorm Listed
- Florida Building Code Approved

Dimensions

- **CEPT Housing:**
9-1/16"L x 1-3/16"W x 1-7/16"D
[230.2mm L x 30.12mm W x 36.52mm D]

Shipping Weight

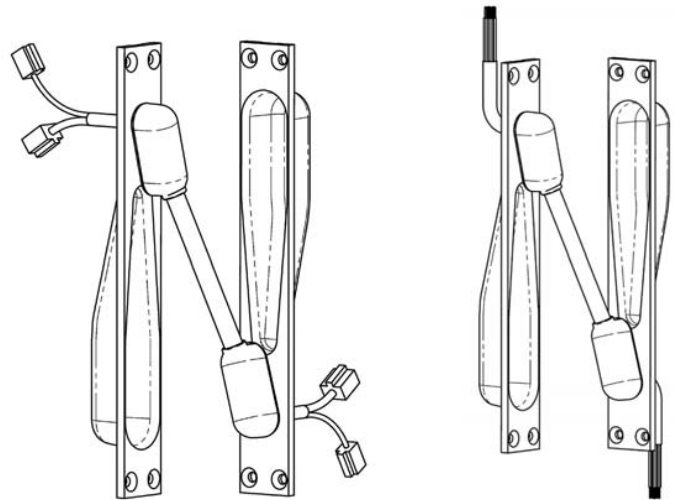
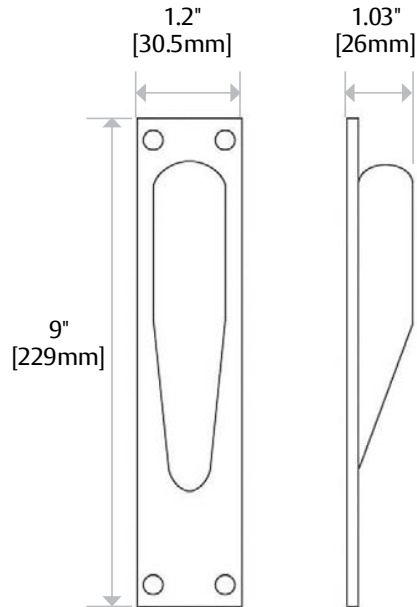
- 2.40 lbs [1.09 kg]

Technical Note

- Not for use with center hung or balanced doors, pocket or offset pivots or swing clear hinges.
- Door swing ranges when installed with butt hinges are:

HINGE SIZE	SWING RANGE
5" [127mm] or less	up to 180°
5-1/2" [139.7mm]	up to 130°
6" [152.4mm] Butt Hinge	up to 110°

Dimensions



How to Order

WIRE CONNECTORS	SHAPE	NUMBER OF WIRES	FINISH
EL	- CEPT	- C5E	- 10B
(blank) No Connectors	CEPT Concealed Power Transfers	(blank) 12 Wires (EL option only)	(blank) 630 Satin Stainless Steel
EL ElectroLynx® Connectors		10 10 Wires	04 606 Satin Brass
		C5E 9 Wires	10 612 Satin Bronze
		NW No Wires	613E Dark Oxidized Satin Bronzed
			BSP Black Suede Powder

NOTE: Not every combination is possible. Please contact factory if you need a combination of features not listed above.

Automatic Flush Bolt No. 2940 (Automatic Top Bolt Only) No. 2942 (Set) (replaces No. 1840 and No. 1842)



Material: Brass, stainless steel

Finishes: US3, US4, US10, US10B, US26, US26D, US32D

Fastener: No. 2940: 6 ea. #8x³/₄" FH combo screws, 2 ea. #8-32x¹/₂" FH MS, 3 ea. #10x1" FH WS
NOTE: No plastic anchor required for top only.
No. 2942: 12 ea. #8x³/₄" FH combo screws, 4 ea. #8-32x¹/₂" FH MS, 6 ea. #10x1" FH WS, 2 ea. #6-8 plastic anchors

Features:

- For Wood Doors labeled B, C, D & E up to 4'w x 8"h
- Non-handed
- Fully automatic—opening active door retracts top and bottom bolts
- Override feature prevents damage to doors or bolts if bolt heads are blocked from entering strikes
- Bolt head rods are adjustable up to ¹/₂"
- Thermal lock automatically locks the inactive door under high heat conditions due to fire

Options: No. 2942 can be used with the No. 570 Dust Proof Strike (shown on page E4).

No.	Size	Weight	ANSI A156.3
2940	1" x 8 ¹ / ₂ "	1.5 lbs.	Type 25
2942	1" x 8 ¹ / ₂ "	2.9 lbs.	Type 25

Combination Flush Bolts No. 2905 (Self Latching Top Bolt Only) No. 2945 (Set) (replaces No. 1905 and No. 1945)



Material: Brass, stainless steel

Finishes: US3, US4, US10, US10B, US26, US26D, US32D

Fastener: Top: 4 ea. #8x³/₄" FH combo screws, 2 ea. #8-32x¹/₂" FH MS, 3 ea. #10x1" FH WS.
NOTE: No plastic anchor required for top only.
Bottom (No. 2945 only): 10 ea. #8x³/₄" FH combo screws, 4 ea. #8-32x¹/₂" FH MS, 6 ea. #10x1" FH WS, 2 ea. #6-8 plastic anchors

Features:

- For Wood Doors labeled B, C, D & E up to 4'w x 8'h

Top Bolt

- Automatically engages when the inactive door closes. When the active door is opened, the inactive door stays latched at the top until the top bolt is released by pressing the plunger button on the bolt face

Bottom Bolt (No. 2945 only)

- Non-handed
- Fully automatic — opening active door retracts bottom bolt
- Override feature prevents damage to door or bolt if bolt head is blocked from entering strike
- Bolt head rod is adjustable up to ¹/₂"
- Thermal lock automatically locks the inactive door under high heat conditions due to fire

Options: No. 2945 can be used with the No. 570 Dust Proof Strike (shown on page E4).

No.	Size	Weight	ANSI A156.3
2905	1" x 8 ¹ / ₂ "	1.5 lbs.	Type 27
2945	1" x 8 ¹ / ₂ "	2.9 lbs.	Type 27

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Lever Extension Flush Bolt With Bottom Fire Bolt No. 557 x 19BFB

- Material:** Flush bolt – brass
Bottom fire bolt – stainless steel
- Finishes:** Available in standard architectural finishes (see page 9)
- Fastener:** 7 ea. #8 x 3/4" FH combo screws
4 ea. #8 - 32 x 1/2" FH MS
4 ea. #8 counter sunk washer
- Features:**
- For Fire Rated Plastic & Wood Covered Fire Doors measuring up to 4'w x 9'h rated up to 20 minutes
 - 3/4" bolt throw, 3/4" backset; door strength maintained by corner reinforcing plate
 - When door is subjected to 230°F the plug and black plastic cover will melt allowing the bolt to project, locking the leaves together
 - Bottom fire bolt eliminates need for floor prep
 - Oversize fire bolt strike hole allows for slight door misalignment

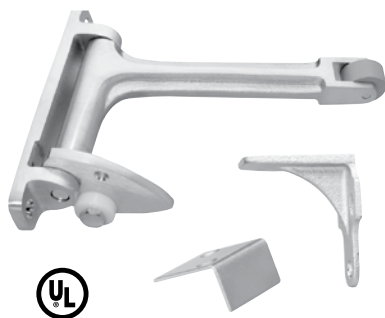
No.	Size	Weight
557 x 19BFB	Top bolt: 1" x 6 3/4" Bottom bolt: 1 3/16" dia.	0.9 lbs.



Dust Proof Strike No. 570

- Material:** Brass
- Finishes:** Available in standard architectural finishes (see page 9)
- Fastener:** Adjustment nut
Spanner wrench
2 ea. #8 x 1 OH SMS, 2 ea. plastic anchors
2 ea. #8 - 32 x 3/4" OH MS, 2 ea. lead anchors
- Features:**
- Works with all Rockwood manual and automatic flush bolts
 - Removable face plate for use with thresholds
 - Adjustable height for carpeted areas

No.	Size	Weight	ANSI A156.16
570	Face plate: 1 3/8" x 2 7/8" Barrel: 7/8" dia. x 2" depth	0.4 lbs.	L04021



Gravity Door Coordinator No. 576

- Material:** Cast brass
- Finishes:** Available in standard architectural finishes (see page 9).
- Fastener:** Body: 2 ea. #10 x 1" FH SMS, 2 ea. #10 - 24 x 1" FH MS
Strike: 5 ea. #8 x 1" FH SMS
- Other:**
- For use on door sizes:
 - with Astragal on active door – 18" to 48"
 - with Astragal on inactive door – 18" to 34"
 - with Astragal on both doors – 18" to 30"
 - The overlap of the astragal is maximum 7/8" with door hung on standard hinges. Customer must contact the factory for all other astragal situations
- Features:** Non-handed reversible. Prevents the active door from closing until the inactive door is closed

No.	Size	Projection	Weight	ANSI A156.3
576	1" x 5 7/16"	7"	2.2 lbs.	Type 21

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Lever Extension Flush Bolt No. 555

Material: Brass

Finishes: Available in standard architectural finishes (see page 9)

Fastener: 8 ea. #8 x 3/4" FH combo screws

Features:

- For Fire Rated Hollow Metal Swinging Doors measuring up to 4'w x 10'h rated up to and including 3 Hours
- Fits ANSI A115 door and frame preparation
- 3/4" bolt throw, 3/4" rod backset
- 12" rod length (center of face to bolt end - retracted)
- 1 1/2" adjustable bolt head

Options:

- Other size rods available are 18", 24", 36", 48"
- Extra long bolt head - 2 1/2" (or to your specification)
- Use No. 570 Dust Proof Strike (shown on page E4) to prevent dirt blocking bottom strike

No.	Size	Weight	ANSI A156.16
555	Face plate: 1" x 6 3/4" Strike: 1 5/16" x 2 1/4" Guide: 1" x 2"	1.5 lbs./2	L04251



Lever Extension Flush Bolt with Bottom Fire Bolt No. 555 x 18BFB

Material: Flush bolt – brass
Bottom fire bolt – stainless steel

Finishes: Available in standard architectural finishes (see page 9)

Fastener: 8 ea. #8 x 3/4" FH combo screws

Features:

- For Fire Rated Hollow Metal Swinging Doors measuring up to 4'w x 9'h rated up to and including 3 Hours
- Fits ANSI A115 door and frame preparation
- 3/4" bolt throw, 3/4" rod backset
- 12" rod length (center of face to bolt end - retracted)
- 1 1/2" adjustable bolt head
- When door is subjected to 230°F the plug and black plastic cover will melt allowing the bolt to project, locking the leaves together
- Bottom fire bolt eliminates need for floor prep.
- Oversize fire bolt strike hole allows for slight door misalignment

Options:

- Other size rods available are 18", 24", 36", 48"
- Extra long bolt head – 2 1/2" (or to your specification)

No.	Size	Weight
555 x 18BFB	Top bolt: 1" x 6 3/4" Bottom bolt: 1 3/16" dia.	0.9 lbs.

ASSA ABLOY

The global leader in
door opening solutions

Aluminum Mullions

Product Designation	650A	980	L980
Description	Removable	Removable	Lockable
Material	Aluminum	Aluminum	Aluminum
Standard Finish	US28/Satin Anodized Aluminum	Prime Coat	Aluminum Prime Coat
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
Stk Size	96"	96"	96"
Max Stk Height	120"	120"	120"
Pre-prepped	658 Strikes Included	No	No
Cylinder Size	Not Required	Not Required	#41
Shape	1-1/2" x 2-1/2"	T Shaped 2-1/2" x 3"	T Shaped 2-1/2" 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*

Electrified

EL980
Electrical Lockable
Steel
Gray Paint
Wall Mounting Kit: 98-2580 Top Ret Pack :98-2559
96"
120"
No
#46 Only
Rectangular 2" x 3"
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	96"	96"	96"	96"	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	Fire rated for 8'0" x 8'0" paired openings	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 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-, 22-, 60-, 63-, 64-, 70, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82- & F1-82-

Note: See page 21 for option details

Experience a safer and more open world

Mullion Accessories, Stabilizers and Door Coordinators

Mullion Accessories

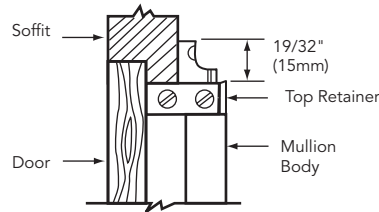
RK980

Latchbolt assembly retrofit kit with top and bottom retainers for 980 aluminum mullion.



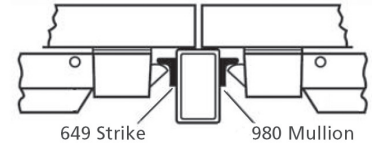
507 Narrow Transom Bars Adapter

- Available with 980 and 980A
- Required when soffit is 1-1/4" (32mm) to 2" (51mm) wide

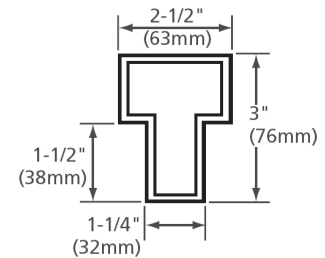


980S Mullion Application

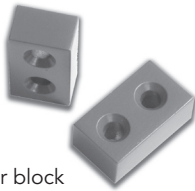
- All steel mullions are 2" x 3"



980 Mullion & L980 Lockable Mullion

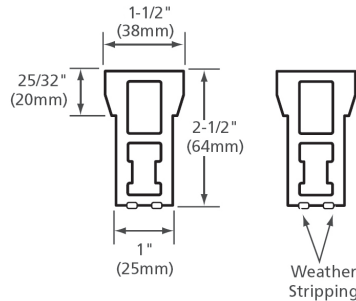


651 Mullion Stabilizer Kit

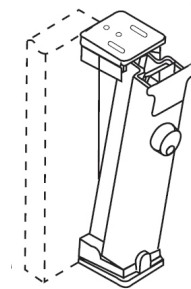


- Stabilizer block
- Furnished standard w/650A Mullion
- Order as a 651 Kit

650A Mullion



Lockable Mullion



980C1 Cylinder Mullion Kit



- Lockable mullions only
- Aluminum and steel
- Includes cylinder and collar

Mullion Weights & Packaging

Product		Avg Wt
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

980C2 Cylinder Mullion Kit



- Lockable mullions
- Electrified only
- Includes cylinder and collar

Cylinder Nut Wrench



This wrench simplifies the installation and removal of mortise cylinder nuts used on 700 Series Auxiliary Control (80 Series ET Trim).

- Part number 97-0568

7800/8200 Series Mortise Locks



Certification Compliance

ANSI/BHMA		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		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

Features

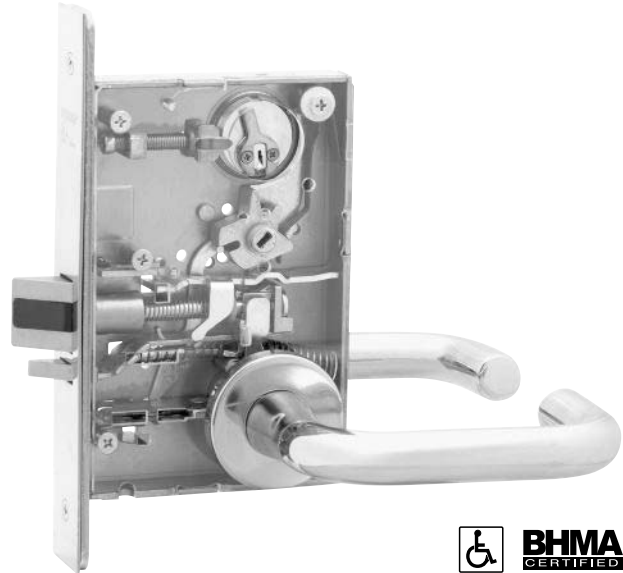
8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

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), ANSI/BHMA Standard A156.115
- 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
 - R8200: investment cast 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/R8200, 4-3/4" (121mm) minimum stile for electrical function locks
- Door Prep: ANSI/BHMA A156.115 or A156.115W modified per template (see template)
- Warranty: 10 year limited warranty, 2 year limited warranty on electrified locks. Warranty limited to replacement of lockbody and/or components



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 14 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

Features

8200/R8200/7800 Series Mortise Locks

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 8 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)

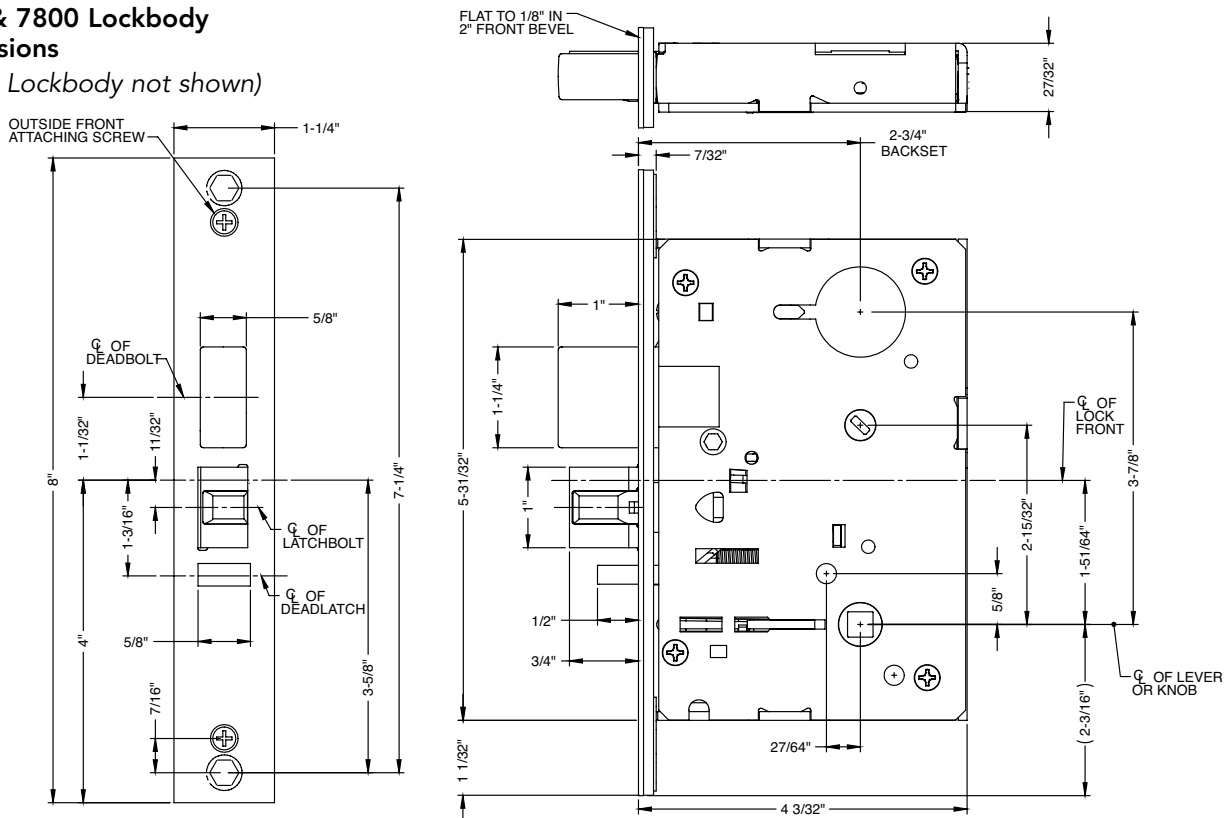
Features

8200/R8200/7800 Series Mortise Locks



8200 & 7800 Lockbody Dimensions

(R8200 Lockbody not shown)



Note: R8200 and 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
R8200	Simpli™ roseless trim	No	Yes ²	Yes	R82 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

Indicators

7800/8200 Series Mortise Locks



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



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
- Optional directional engraving available – must specify handing
- Retrofittable for existing applications

Functions

Indicators are available with the following 7800 and 8200* Series functions. See pages 19-28 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	NAC-PHR-82281
30	50	NAC-PHR-82285
36	51	

* Indicators can retrofit to 8200 series mortise locks manufactured from the year 2002 to present.

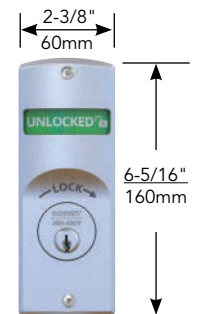
Indicators

7800/8200 Series Mortise Locks

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
- Not compatible with BHW, BHL, or BHD trims

Specify option code when ordered with lock. See page 35 for indicator codes.



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 36 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, V20, V30, V40, V50, V60 Inside Trim: V01, 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, V20, V30, V40, V50, V60	Outside
	SA194	21, 24, 25, 28, 43, 45, 47, 50, 51, 66, 68, PHR-NAC-82281, PHR-NAC-82285	V01, V03, V04, V06	Inside
	SA196	12, 56, 57, 58, 65, 67		
	SA198	05		
	SA197	12, 30, PHR-NAC-82285	Outside Trim: V10, V20, V30, V40, V50, V60 Inside Trim: V01, 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

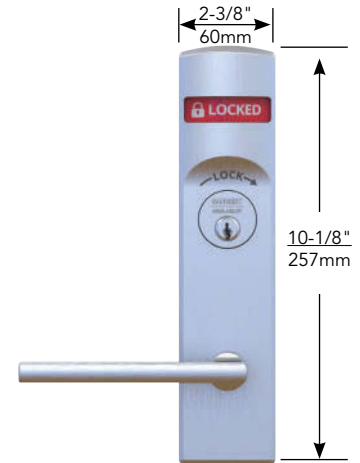
7800/8200 Series Mortise Locks



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
- Not compatible with select knob/lever designs: C, MK, MT, H001, H002, H003, H004, H005, H006, H007, H008, H009, H010, H011

Specify option code when ordered with lock. See page 35 for indicator option codes.



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 pg. 35 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 32

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	Escutcheon	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.

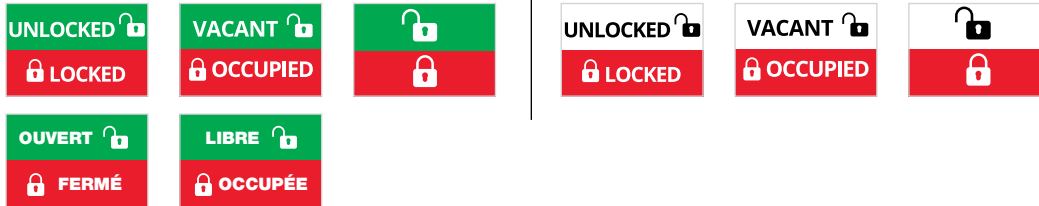
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Indicators

7800/8200 Series Mortise Locks

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

7800/8200 Series Mortise Locks

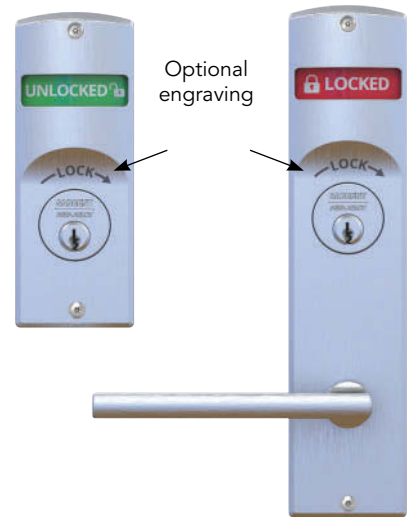


Engraving Options

- 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	Escutcheon	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.

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 32-36. To order the following sectional indicators with locksets, specify option codes 49- or 50-.

49- Option Visual Status Indicator for Non Secure Applications

- 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, 8200 and R8200 locks, CR, L, LN, TR, E & O Roses
 - 26, 29, 38, 39, 40 and 41 Functions with 7800, 8200, and R8200 locks & LN Roses Only
- As retrofit, order 185C x finish

Inside Only



185C

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
- Mounts on outside of door
- Emergency coin operated release standard
- Functions and Roses available:
 - 65, 66, 68 Functions with 7800, 8200, and R8200 locks, CR, E, L, LN, O & TR Roses
- As retrofit, order 185P x finish



185P

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
- Not available with Roseless trim (R8200)
- 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

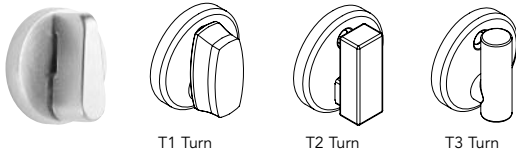
Thumbturn Designs

8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

130KB Round Backplate

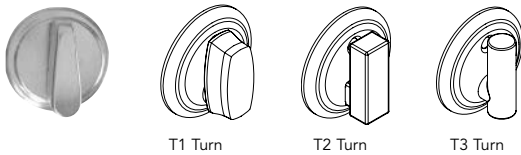
(Shown with Standard Turn)



- Round backplate supplied standard with L, O, LN roses and R8200 roseless trim
- Standard turn automatically supplied with sectional trim for R8200 & 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

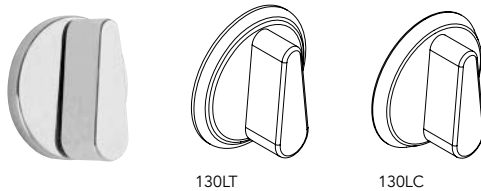
(Shown with Standard Turn)



- Dual radii edge backplate supplied standard with TO and TR roses
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass plate
- Meets ADA Requirements

130LB Large Round Backplate

(Shown with Large ADA Turn)



- Available with R8200 & 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

126 T-Turn

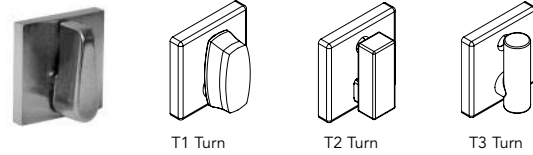
(7892 function only)



- 2-3/16" (56mm) round stainless steel backplate
- 2-3/8" (61mm) tall thumbturn
- Available in brass or bronze finishes only
- Surface mounted with three screws
- Order as "SST" trim with 7892 function

130KA Square Backplate

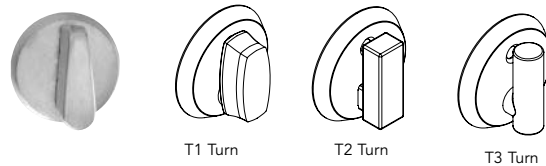
(Shown with Standard Turn)



- Square backplate supplied standard with E, E2, E3 or E4 roses
- Standard turn automatically supplied with sectional trim for R8200 & 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

130KC Contemporary Backplate

(Shown with Standard Turn)



- Beveled edge backplate supplied standard with CO and CR roses
- Standard turn automatically supplied with sectional trim for R8200 & 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

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

Emergency Releases & Accessories

8200/R8200/7800 Series Mortise Locks

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Emergency Releases

184KB Emergency Release (used with R8200 & 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 51 for a complete list of kits

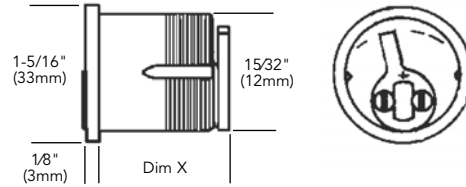
Cylinder Lengths (Dim X)

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

124 Series Mortise Cylinder Turn Lever



- Turn lever: Brass, bronze or aluminum
- Cap: Brass, bronze or stainless steel
- Must be ordered separately

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

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Cylinders & Rosettes

8200/R8200/7800 Series Mortise Locks

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 uncombined
- 65-73-7P Option — 7-Pin SFIC - uncombined
- 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 & R8200 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 cylinders ordered separately from hardware
- 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

Rosette Requirements & Cams

8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

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

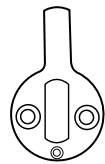
- Standard



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



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

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

See Cylinder catalogs for additional information

ADA and Handicap Warning

Lever Return to Door



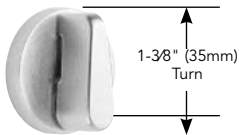
- Lever designs H002, H005, H006, H016, J, L, MX, MW, MZ, ND, NF, NJ, NS, NU, P
- Lever returns within 1/2" (13mm) of door face or less
- Meets ADA Compliance for national codes

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

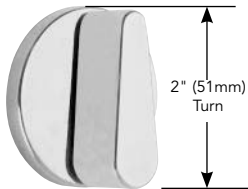
See page 38 for design

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 38 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

Mechanical Options

8200/R8200/7800 Series Mortise Locks

Mechanical Options:

Available mechanical options by lock type

Categories	How to Specify	Detailed Description	8200	R8200	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	X
	OBS-	Open back strike	X	X	X
	WBS-	Wrought box strike	X	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	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	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
	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	
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

* Available on 15, 26D, and 32D Finishes only

** Not available in combination

Mechanical Options

8200/R8200/7800 Series Mortise Locks

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Categories	How to Specify	Detailed Description	8200	R8200	7800
Electrical Options	DX-	Deadbolt monitoring — Monitor deadbolt position (not available with LX-)	X	X	X
	LX-	Latchbolt monitor — Monitors latchbolt position (not available with deadbolt functions)	X	X	X
	RX-**	Request to Exit — Monitors each lever independently (not available with LB-option)	X	X	X
	TL-	SARGuide illuminated inside WT trim with the word EXIT illuminated (4-1/2" pocket depth required)	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	74-2	Lead lining or wrapping available with sectional trim only (not available with DX-or LX-Options)	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
	85-3	Tactile Warning — Abrasive coating inside trim only (not available with D knobs)	X	X	X
	86-3	Tactile Warning — Abrasive coating outside trim only (not available with D knobs)	X	X	X
	87-3	Tactile Warning — Abrasive coating inside & outside trim (not available with D knobs)	X	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 32 & 32D finishes)	X	X	X
	SG-1	MicroShield® antimicrobial clear powder coat	X	X	X
Thumbturns (See page 38)	LB-	ADA Extra large thumbturn; backplate matches rose design chosen	X	X	X
	T1-	Decorative thumbturn; backplate matches rose design chosen	X	X	—
	T2-	Decorative square thumbturn; backplate matches rose design chosen	X	X	—
	T3-	Decorative cylinder thumbturn; backplate matches rose design chosen	X	X	—

1 Available on 15, 26D, and 32D Finishes only

2 Not available in combination

3 Entire lever surface provided with abrasive coating

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Cylinder Options

8200/R8200/7800 Series Mortise Locks

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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- Uncombined 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-)	—
	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)	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

+ Not available with R8200 Series

Note: Interchangeable core and removable core cylinders do not meet Security Grade 1 requirements

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Cylinder Options

8200/R8200/7800 Series Mortise Locks

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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 uncombined 6-Pin SFIC (permanent) core — (packed loose for field keying)	43 & 46
	65-73-7P-*	Hardware provided to accept uncombined 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

8200 Series Mortise Locks

How to Order 8200, R8200 & 7800 Series Mortise Locks

10- Options*	82 Series	71 Function	12VDC Voltage	TR Roses/ Escutcheons	MJ Trim	15 Finish	RHR Hand
For all available options see Pages 45-48	82 R82 78 Mortise Lock	Pages 19-28 for Details	12VDC 24VDC	Pages 10-13 (With R8200, specify "R" for roseless design)	Levers — Pages 8-12 FW Trim — Page 14, Push/Pull Trim — Page 18, Knobs — Page 15	Page 49	RHR
			Must be specified for Functions 70, 71, 72 & 73				RH
							LHR
							LH

* Multiple options can be selected

Finishes

Standard Levers & Knobs	BHW Trim	BHL Trim	BHD Trim	Studio Collection Lever Trim	8200 Coastal Series™ Trim and 8200 Freewheeling Trim	7800 Push/Pull Trim	Description	ANSI/BHMA
03				03	03	03	Polished brass, clear coated	605
04				04	04	04	Satin brass, clear coated	606
09				09	09	09	Polished bronze, clear coated	611
10				10	10	10	Satin bronze, clear coated	612
10B				10B	10B	10B	Oxidized bronze, oil rubbed	613
10BE				10BE	10BE		Dark oxidized satin bronze, equivalent	(613E)
10BL				10BL	10BL		Oxidized satin, bronze, clear coated	614
14				14	14		Polished nickel, clear coated	618
15 *				15 *	15 *		Satin nickel, clear coated	619
20D				20D	20D		Statuary dark bronze, clear coated	624
26				26	26		Polished chrome	625
26D *				26D *	26D *		Satin chrome	626
32	32	32	32	32		32	Polished stainless steel	629
32D *	32D *	32D *	32D *	32D *		32D *	Satin stainless steel	630
BSP				BSP	BSP		Black suede powder coat	—
WSP				WSP	WSP		White suede powder coat	—

* MicroShield® — optional designate SG- option (Available on 15, 26D, and 32D Finishes only)
Split Finishes — specify outside finish first, then inside finish example: US26D (outside) / US04 (inside)

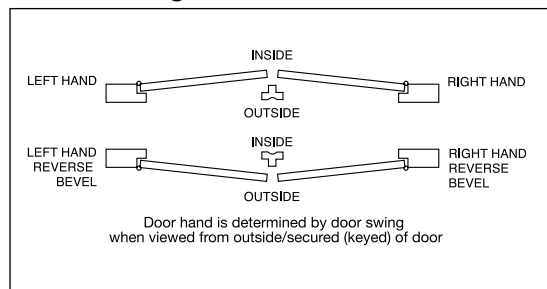
6 Lobe & Spanner Bit packs

Part Number	Descriptions
82-3855	6 Lobe Bit Pack 6 bits
82-3856	(sizes- T8, T9, T10, T15, T20, T25, T27) 9/32" Driver Spanner Bit Pack 5 bits (sizes- 6, 8, 10, 12, 14) 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



* Multiple options available
Wrought Box Strike optional — must order with lockset as WBS- option

Coastal Series™ & Standard Trim

8200/R8200/7800 Mortise Locks

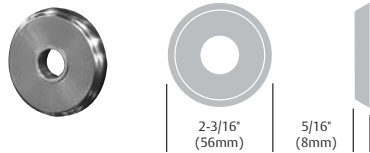
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Coastal Series Roses & Escutcheons

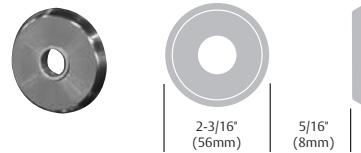
TR Traditional Rose

- Dual radii edge



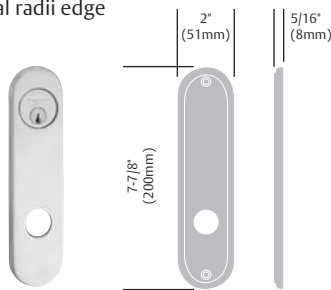
CR Contemporary Rose

- Beveled edge



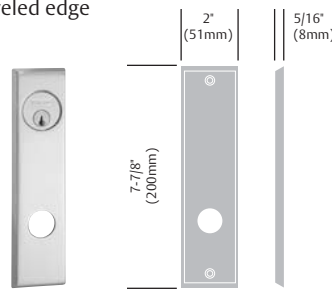
TE Traditional Escutcheon

- Dual radii edge



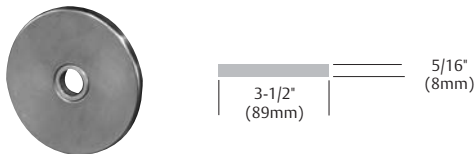
CE Contemporary Escutcheon

- Beveled edge

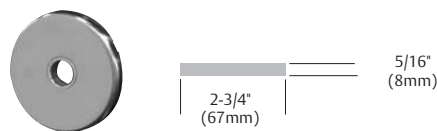


Standard Roses

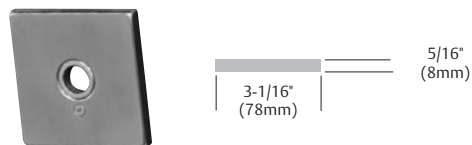
L Rose



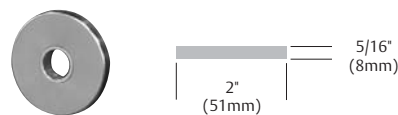
O Rose



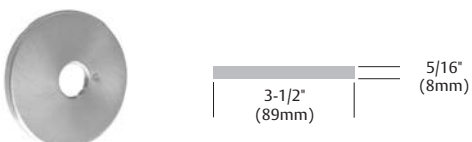
E Rose



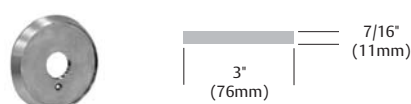
LN Rose



SL Rose



BH Rose



Coastal Series™ & Standard Levers

8200 Mortise Locks



Coastal Series (8200 & R8200 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

<p>G - Gulfport™ (Handed)</p>			<p>S - Sanibel™ (Handed)</p>		
<p>R - Rockport™</p>			<p>Y - Yarmouth™ (Handed)</p>		

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

<p>A (Handed)</p>			<p>J</p>		
<p>B</p>			<p>L</p>		
<p>E</p>			<p>P</p>		
<p>F</p>			<p>W</p>		

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Functions & Descriptions

8200/R8200/7800 Mortise Locks

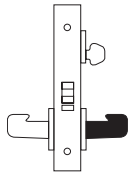
SARGENT®

ASSA ABLOY

Single Cylinder without Deadbolt

*†04 Storeroom or Closet

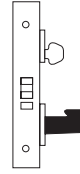
8200, R8200 & 7800



- Key outside retracts latchbolt
- Trim outside locked at all times
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- A Multi-Function 8200/R8200/7800 Lockbody
- **ANSI F07**

‡*31 Utility

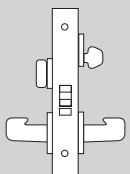
8200, R8200 & 7800



- Key outside retracts latchbolt
- Trim outside is always locked
- No inside trim or cylinder
- A Multi-Function 8200/R8200/7800 Lockbody
- Auxiliary deadlatch

*05 Office or Entry

8200, R8200 & 7800



- 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/R8200/7800 Lockbody
- **ANSI F04**

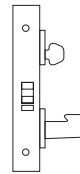
The Multi-Function Advantage with rose trim:

1. Lock will accommodate 04, 05, 15 & 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.

*‡36 Closet

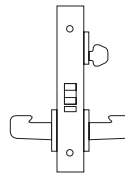
8200, R8200 & 7800



- Key locks and unlocks trim
- No inside trim or cylinder
- A Multi-Function 8200/R8200/7800 Lockbody
- Auxiliary dead latch

*†37 Classroom

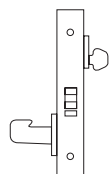
8200, R8200 & 7800



- Key outside retracts latchbolt, also locks & unlocks outside trim
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- A Multi-Function 8200/R8200/7800 Lockbody
- **ANSI F05**

06 Storeroom or Service

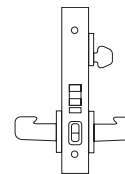
8200, R8200 & 7800



- No trim outside, cylinder only
- Key outside retracts latchbolt
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- A Multi-Function 8200/R8200/7800 Lockbody
- Same as 04 Function without trim outside

55 Office or Entry

8200, R8200 & 7800



- Key outside retracts latchbolt
- Trim inside always retracts latchbolt, outside trim remains locked
- Trim outside is locked & unlocked by the toggle only
- Auxiliary deadlatch

*8200 Available with Freewheeling Trim

†7800 Available with Push/Pull Trim



If shaded, knob or lever rigid at all times

‡**CAUTION:** Not recommended for use on any door used for Life Safety egress

Functions & Descriptions

8200/R8200/7800 Mortise Locks

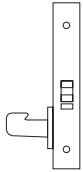
SARGENT®

ASSA ABLOY

Non-Keyed

13 Exit Latch

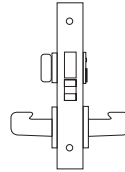
8200, R8200 & 7800



- No outside trim or cylinder
- Trim inside retracts latchbolt
- A Multi-Function 8200/R8200/7800 Lockbody
- Auxiliary deadlatch
- **ANSI F31**

*66 Privacy Bath/Bedroom

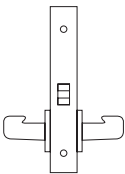
8200, R8200 & 7800



- 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
- **ANSI F19**

‡15 Passage or Closet

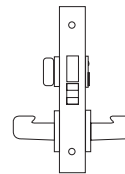
8200, R8200 & 7800



- Trim from either side retracts latchbolt at all times
- **ANSI F01**

†68 Privacy Bath/Bedroom

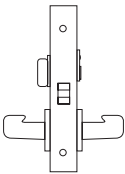
8200, R8200 & 7800



- 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
- **ANSI F02**

*‡ 65 Privacy Bath/Bedroom

8200, R8200 & 7800



- 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
- **ANSI F22**

93 Trim Dummy

8200, R8200 & 7800



- 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

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*8200 Available with Freewheeling Trim

‡ 7800 Available with Push/Pull Trim

 If shaded, knob or lever rigid at all times

♦ **CAUTION:** Not recommended for use on any door used for Life Safety egress

90115 03/19

IN Series

IN120 WiFi & IN220 PoE

Intelligent IP-Enabled Access Control

Available through Authorized
Channel Partners only.

Contact your local ASSA ABLOY
Door Security Solutions sales
consultant for details.

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IN Series

Intelligent IP-Enabled Access Control

SARGENT®

ASSA ABLOY

FEATURES	BENEFITS	IN120 WiFi Lock	IN220 PoE Lock
Utilizes IEEE 802.3af PoE-enabled network infrastructure for both power and data	■ Streamlines the installation process, reducing costs		
	■ Eliminates the need for any proprietary equipment		✓
	■ Enables real-time communication		
Utilizes IEEE 802.11 WiFi infrastructure	■ Significantly reduces installation costs		
	■ Eliminates the need for any proprietary equipment	✓	
	■ Ideal for hard-to-wire locations		
Field-upgradable 802.11b/g/n radio	■ Interoperability with other WiFi equipment	✓	
	■ Future proof for constantly evolving WiFi standards		
multiCLASS SE® Technology from HID Global®	■ Provides heightened security		
	■ Supports: - Multiple credential types - HID Mobile Access® powered by Seos®, for iOS® and Android™ devices"	✓	✓
Field selectable communication frequency	■ Allows you to balance security requirements with battery life	✓	
Reduced energy consumption and product sustainability measures	■ 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	✓	✓
Customizable feature set	■ Select only the features you need	✓	✓
	■ Easily add features as your requirements grow		
Intelligence built into lock for local decision making*	■ Lock operates regardless of network status	✓	✓*
	■ Supports up to 2,400/10,000 users**	✓	✓
	■ Provides a 10,000 event transaction history/audit trail	✓	✓
Privacy button	■ Enables shelter in place/local lockdown	✓	✓
	■ Offers privacy capabilities for applications such as restrooms		
Integrated ANSI/BHMA Grade 1 hardware, available in cylindrical lock, mortise lock, exit device, and multi-point lock configurations	■ Flexibility to support various openings		
	■ Assurance of high quality 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		

* Requires backup power for IN220

** Contact your access control system manufacturer for more information

IN Series

Intelligent IP-Enabled Access Control

Credential Support:

Featuring HID® multiCLASS SE® technology, IN Series IP-enabled locks support the following credentials:

- 2.4 GHz credentials:
 - Secure Identity Object™ (SIO) on Mobile IDs (Bluetooth Smart)
- 13.56 MHz credentials:
 - iCLASS®
 - iCLASS SE® (SIO-enabled)
 - iCLASS® Seos®
 - SIO on MIFARE® Classic
 - SIO on MIFARE DESFire® EV1
 - MIFARE Classic
 - MIFARE DESFire EV1
 - PIV/PIV-I
 - NFC-enabled mobile phones
- 125 kHz credentials:
 - HID Prox®

Technical Specifications

IN120

- Compatible with 802.11b/g/n wireless networks

IN220

- Conforms to IEEE 802.3af Class 1 standard, requiring less than 3.84 watts

Security:

- AES 128-bit encryption (IN120, IN220)
- IN120 supports current WiFi network security standards, including:
 - WEP, WPA and WPA2
 - 802.1x
- For specific security information, please contact your local ASSA ABLOY Door Security Solutions sales representative or call 800-810-Wire.

Software:

- Works with ASSA ABLOY IP-Enabled Access Control Partner software, allowing simple integration into existing or new systems
- Software Development Kits (SDK) and support available to integrate into other third party access control systems.
Email: OEMSupport_Group@assaabloy.com for assistance.

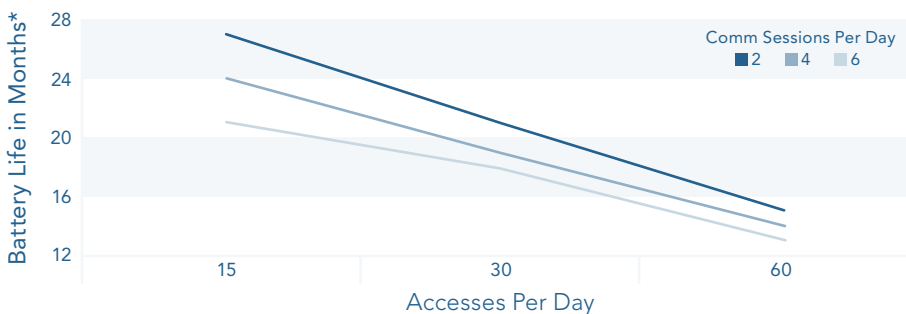
Environmental Specifications:

- 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)

EAC Regulatory Compliance:

- UL294 6th Edition (not applicable to FM7300)
- CAN/ULC S319 (not applicable to FM7300)
- BHMA A156.25 (not applicable to FM7300)

IN120 Battery Life



*Battery life data was calculated using Duracell batteries.

IN Series

Intelligent IP-Enabled Access Control

Mechanical Options

ADD STRENGTH	3-	Stainless steel hubs for institutional specifications (mortise locks only)
	28-	4-7/8" Strike #808. Lip length 1-1/4 (10 Line only)
	WBS-	Wrought Box Strike
10 LINE BRACKET OPTIONS	20-	2-3/8" Backset Latch with 1" Front
	23-	3-3/4" Backset x 2-1/4" x 1-1/8" Front (10 Line only)
	25-	5" Backset x 2-1/4" x 1-1/8" Front (10 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 (10 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 Outside Lever
FINISH PROTECTION	CPC-	Clear Powder Coat (Available for 26, 26D, 32 and 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Not available with 10B Finish)
THUMBTURNS (SEE PAGE 17)	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

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 (10 Line J lever not available)
	11-72-7P-	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately (10 Line J lever not available)
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	11-65-73-7P-	Hardware provided to accept XC- Uncombined 7-Pin SFIC (Permanent) Core (Packed Loose) (10 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-)
	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)

IN Series

Intelligent IP-Enabled Access Control

Cylinder Options

SMALL FORMAT INTERCHANGEABLE CORES	70-	Hardware to accept 6 or 7-Pin SFIC Permanent Cores, plastic disposable core provided (10 Line J lever not available)
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core Ordered Separately) (10 Line J lever not available)
	73-	Hardware supplied with 6-Pin SFIC (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	65-73-	Hardware provided to accept Uncombined 6-Pin SFIC (Permanent) Core (Packed loose for field keying) (10 Line J lever not available)
	65-73-7P-	Hardware provided to accept Uncombined 7-Pin SFIC (Permanent) Core (Packed loose for field keying) (10 Line J lever not available)
	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) and Keso F1 (F1-83-) removable cores (Not available with 10 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 10 Line)
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10 Line) (Patented)
84-	Hardware provided with SARGENT Keso Construction Cores (Not available with 10 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-	10 Line Lever to accept Schlage Cylinder-Cylinder is not provided (10 Line only)
	SF-	L Lever to accept Medeco KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (10 Line only)
SCHLAGE KEYWAYS	SC-	Schlage C keyway cylinder, 0 bitted (10 Line only)
	SE-	Schlage E keyway cylinder, 0 bitted (10 Line only)

Cylinder Options

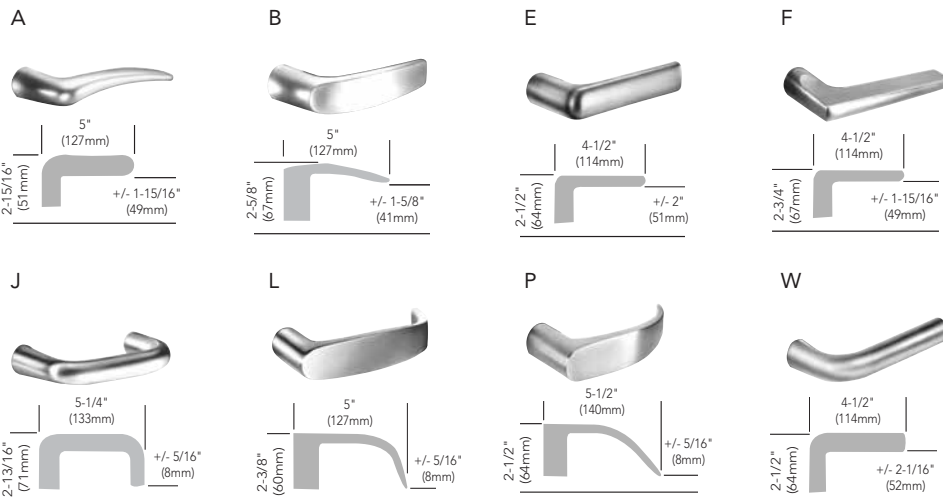
DEGREE CYLINDERS	DG1-	SARGENT Degree Key System Level 1 (Bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	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

IN Series

Intelligent IP-Enabled Access Control

Standard Levers (8200 Mortise Locks, 80 Series Exit Devices, and FM7300 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



Standard lever options are only available with O roses.

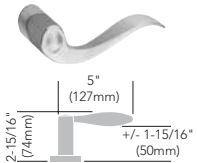
IN Series

Intelligent IP-Enabled Access Control

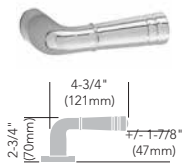
The Coastal Series™ (Mortise Locks, Cylindrical Locks - Gulfport and Yarmouth only, or Exit Devices, and FM7300 Series Multi-Point Locks)

- 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

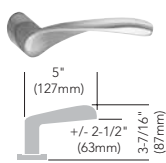
G - Gulfport™
(Handed)



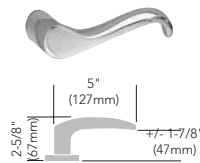
R - Rockport™



S - Sanibel™
(Handed)



Y - Yarmouth™
(Handed)



IN Series

Intelligent IP-Enabled Access Control

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 Exits Devices, DL, RDL Series Tubular Locks, and FM7300 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



Aventura Series



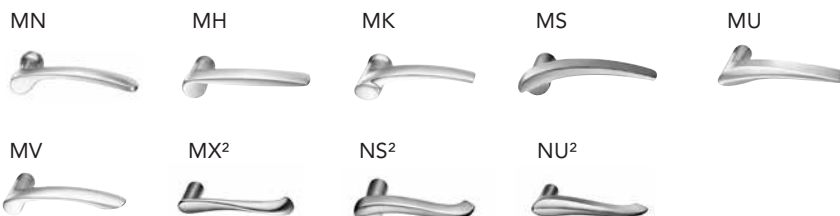
Gramercy Series³



Centro Series



Odéon Series (Handed Levers)



Rialto Series (MZ Lever is Handed)



Notting Hill Series (Handed Levers)



Grant Park Series

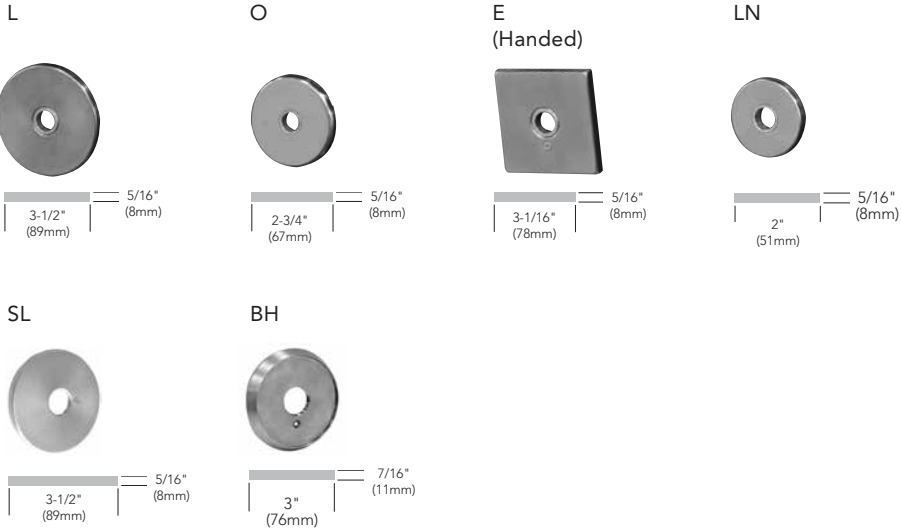


¹ Contact factory for current lead times
² Lever returns within 1/2" (13mm) of door face
³ Gramercy levers are customized.
 See page 28 for ordering information
 Note: H003 - H006 contains white or black polycarbonate insert

IN Series

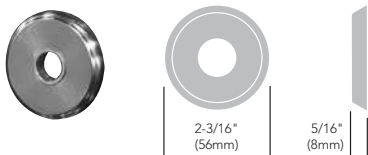
Intelligent IP-Enabled Access Control

Standard Roses

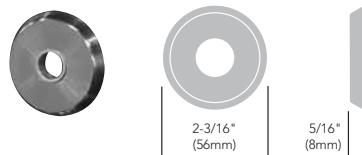


Coastal Series Roses

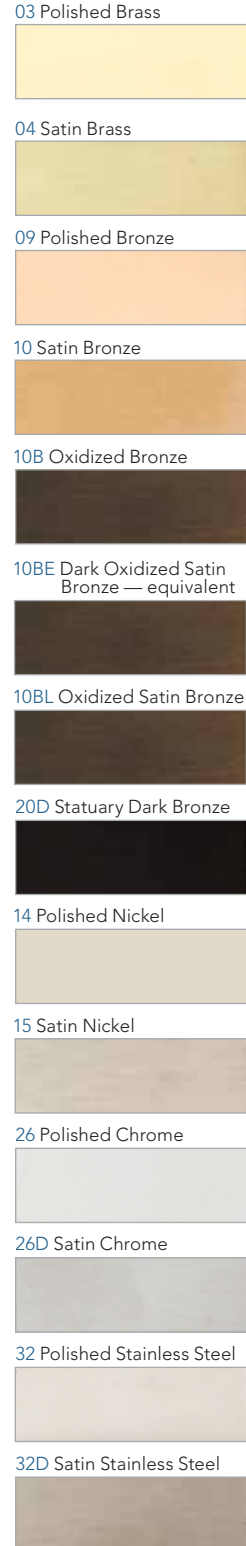
TR Traditional Rose
(Dual radii edge)



CR Contemporary Rose
(Beveled edge)



Available Finishes

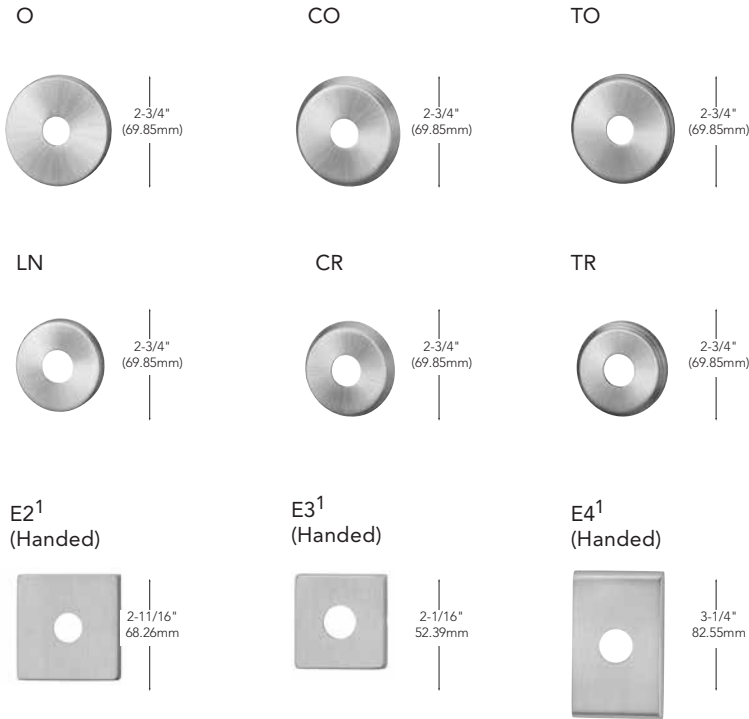


IN Series

Intelligent IP-Enabled Access Control

Studio Collection Trim

Roses (7900, 8200, and FM7300 Series Multi-Point Locks)

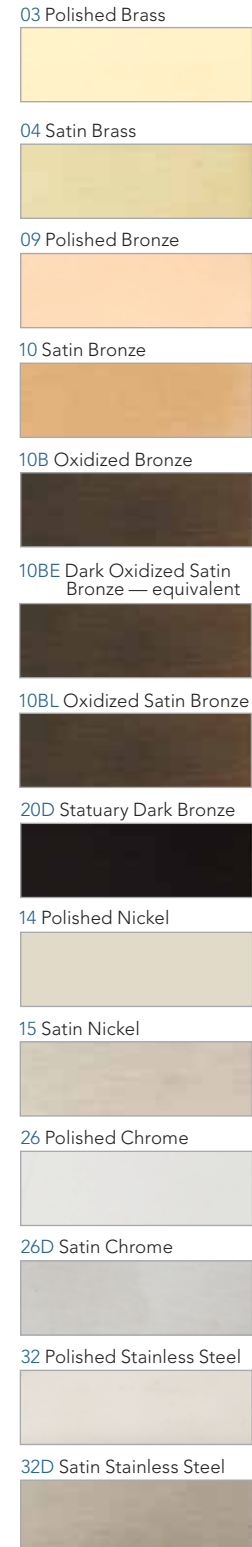


Thumbturns (7900, 8200, and FM7300 Series Multi-Point Locks)

Thumbturn backplate will match rose design chosen. Specify T1, T2 or T3 as a prefix option for decorative turns.



Available Finishes



¹ 1KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.

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 16
- 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 (for IN120), 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.

IN Series

Intelligent IP-Enabled Access Control

SARGENT
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Select from the following options to order IN Series mortise locks:

Technology

120 WiFi
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

Credentials

IP HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE and HID Prox®
IPS All credentials supported by the IP option plus MIFARE Classic, MIFARE DESFire EV1 and HID Mobile Access® powered by Seos® for use with NFC-enabled mobile phones
IPV Supports PIV/PIV-I (64-bit BCD, 128-bit BCD or 200-bit outputs)
BIP All credentials supported by the IP option plus HID Mobile Access® powered by Seos® for use with Bluetooth Smart-enabled mobile phones
BIPS All credentials supported by the IPS option plus HID Mobile Access® powered by Seos® for use with Bluetooth Smart-enabled mobile phones
IKP All credentials supported by the IP option plus keypad
IKPS All credentials supported by the IPS option plus keypad
IKPV All credentials supported by the IPV option plus keypad
BIKP All credentials supported by the BIP option plus keypad
BIKPS All credentials supported by the BIPS option plus keypad
CP/BKP/CKP/BCKP Options supporting FeliCa credentials. Contact Blackboard for more details.
DIP/DIPS/DIKP/DIKPS* Options supporting LenelS2 BlueDiamond™ mobile credentials.

*Orderable through LenelS2 only

Reader

B Black reader, black trim
W White reader, white trim
MB** Black reader, metal trim
MW** White reader, metal trim

Note: Metal trim for the reader is supplied in the finish specified in the order string. It is not available in stainless steel (32/32D), but will be plated to match.

**Keypad options are only available with metal trim

6500 Series Cylindrical Lever Lock



Specifications

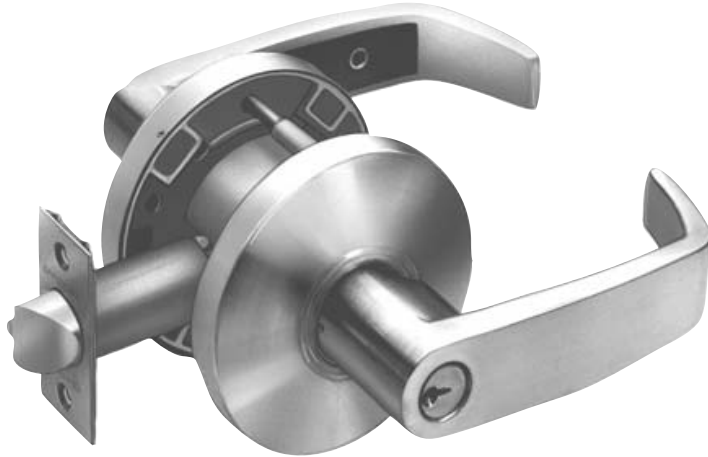
6500 Series Cylindrical Lever Lock



SARGENT®

ASSA ABLOY

65G05 Shown



A standard duty key-in-lever lock designed to exceed the requirements of ANSI A156.2, Series 4000 and Grade 2.

Specifications

For Doors	1-3/8" (35mm) to 1-3/4" (44mm) only
Backset	2-3/4" (70mm) standard 2-3/8" (60mm) optional (20- option)
Cylindrical Housing	Steel zinc dichromate finish
Front	Wrought brass and stainless steel 2-1/4" (57mm) x 1-1/8" (29mm)
Strike	800 Curved Lip, Brass or Stainless Steel Standard 808 ANSI Curved Lip available (28- option) 505 Full Lip strike available (14- option)
Hand	Universal, non-handed
Latch	Brass 1/2" (13mm) throw
Keys	Two, nickel silver
Cylinder	Brass, 6- pin, LA keyway standard
Finishes	3, 4, 10, 10B, 10BE, 26, 26D
Door Prep	ANSI A115.2 (161) Modified
Minimum Stile	4-1/2" (114mm)

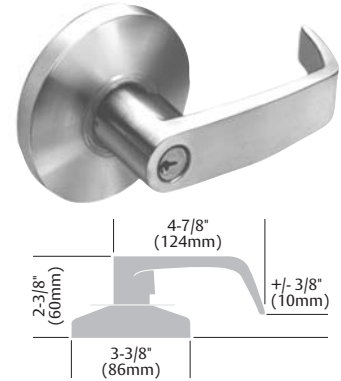
Certification Compliance

ANSI/BHMA	Meets ANSI A156.2 Series 4000 — Grade 2
UL	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
ADA	All levers conform to ADA requirement for barrier-free accessibility
California Code	Levers conform to California Administrative Code Title 19 and 24
Hurricane Code	All individual components of a total door opening are required to comply with each code. Refer to the SARGENT Website (www.sargentlock.com) for specific code compliance listings for both the lock hardware and other door 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.

KL Design

- Rose: K — Wrought
- Lever: L — Cast

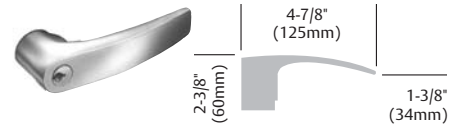


Special Orders

The B & P Levers, the 15-3 function and split finishes are available as special orders, please contact SARGENT for details

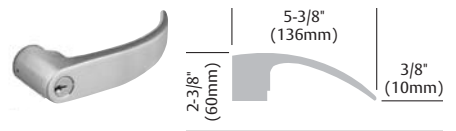
B Lever Design

- Lever: B — Solid Cast

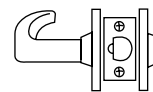


P Lever Design

- Lever: P — Solid Cast



15-3 Exit or Communicating



6G15-3

Split Finishes

- Split Finishes on all functions

Windstorm Certifications

6500 Series Cylindrical Lever Lock

SARGENT®

ASSA ABLOY

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 6500 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 101/1.S.2/A440	"Standard/Specification for Windows, Doors, and Unit Skylights"
FEMA Publication 320	"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	"Design and Construction Guidance for Community Safe Rooms", investigated with respect to impact and pressure requirements only.
ICC 500	"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.

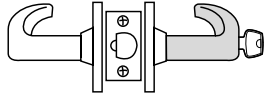
Functions

6500 Series Cylindrical Lever Lock

SARGENT®

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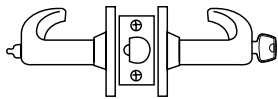
04 Storeroom or Closet



65G04

- Deadlocking latch
- Latch by lever inside or key outside
- Outside lever rigid at all times
- ANSI/BHMA F86

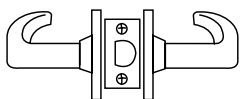
05 Entrance or Office



65G05

- 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
- ANSI/BHMA F109

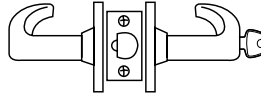
15 Passage



65U15

- Latch by either lever
- ANSI/BHMA F75

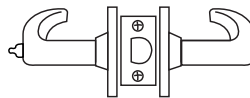
37 Classroom



65G37

- 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
- ANSI/BHMA F84

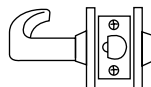
65 Privacy/Bathroom



65U65

- 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 supplied only when ordered separately
- ANSI/BHMA F76

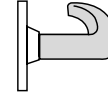
15-3 Exit or Communicating (Special Order)



65G15-3

- Deadlocking latch
- Blank rose outside
- Latch by lever inside
- Minimum clearance of 1-1/2" (38mm) between double doors

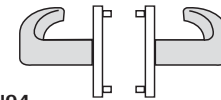
93 Single Lever Pull



65U93

- For wood or custom hollow metal doors
- Lever and rose attached by three surface applied screws

94 Double Lever Pull



65U94

- For wood or custom hollow metal doors
- Lever and rose both sides through-bolted and three surface applied screws each side

How to Order, Finishes & Strikes

6500 Series Cylindrical Lever Lock



How to Order:

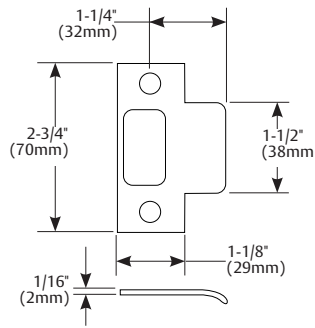
28	65	G05	K	L	26D
Options	Line	Functions	Rose	Lever	Finish
Page 5		G04			Below
		G05			
		U15			
		G37			
		U65			
		U65			
		U94			

2-3/4" Curved Lip Strike Standard

Furnished standard with 1-1/4" (32mm) curved lip from center of strike screw holes to end of lip.

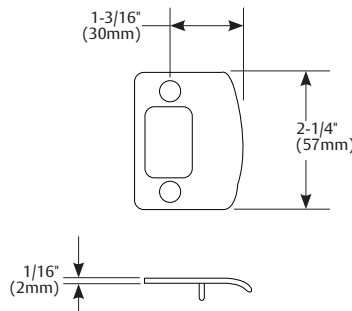
To order strike separately, specify 800 strike x finish x lip length.
Finishes: 3, 4, 10, 10B, 10BE, 32D.

Lip lengths –
1" (25mm), 1-1/4" (32mm),
1-1/2" (38mm), 1-3/4" (44mm) and
2" (51mm)



2-1/4" Full Lip Strike (14- Option)

Lip length 1-3/16" only
To order strike separately, specify 505 strike x finish x lip length.
Finishes: 3, 4, 10, 10B, 10BE, 32D.

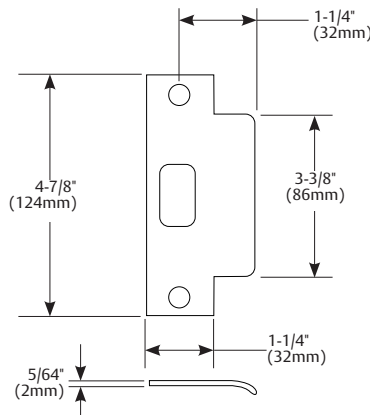


4-7/8" Curved Lip Strike (28- Option)

Conforms to ANSI standard.
Curved lip regularly furnished.

To order strike separately, specify 808 strike x finish x lip length.
Finishes: 3, 4, 10, 10B, 10BE, 32D.

Lip lengths –
7/8" (22mm), 1-1/8" (29mm),
1-1/4" (32mm), 1-3/8" (35mm),
1-5/8" (41mm), 1-7/8" (48mm),
2-1/8" (54mm), 2-3/8" (60mm),
2-5/8" (67mm), 2-7/8" (73mm)



Finishes	Descriptions	ANSI
3	Polished brass, clear coat	605
4	Satin brass, clear coat	606
10	Satin bronze, clear coat	612
10B	Oxidized bronze, oil rubbed	613
10BE	Dark Oxidized Satin Bronze — equivalent	613E
26	Polished chrome	625
26D	Satin chrome	626
BSP	Black Suede Powder Coat	—

No split finish

Packaging

65G05 KL	4 lbs.	1/box
65G05 KL	41 lbs.	10 boxes/case

Latch Assemblies

05-2184	2-3/8" (60mm), 20 option (deadlocking latch)
05-2185	2-3/8" (60mm), 20 option (latch)
05-2182	2-3/4" (70mm), standard (deadlocking latch)
05-2183	2-3/4" (70mm), standard (latch)

Functions

6500 Series Cylindrical Lever Lock



Mechanical Options

Strike	14-	Full Lip strike # 505
Backset Options	20-	2-3/8" Backset
Strike	28-	4-7/8" Curved Lip Strike
Tactile Warning Options	85-	Tactile Warning on back side of inside lever
	86-	Tactile Warning on back side of outside lever
	87-	Tactile Warning on back side of inside & outside lever

Cylinder Options

Cylinder Type	Option	Description
Conventional Cylinder	Std	Std
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/Uncombined 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/Uncombined 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 (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)

Note: To order the 6500 Cylindrical 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

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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Functions

6500 Series Cylindrical Lever Lock

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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- Uncombined 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-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (existing systems only) (N/A with 10-, 11-, 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
Cylinder Type	Option	Description
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 Uncombined 6-Pin SFIC (permanent) core — (packed loose for field keying)
	65-73-7P	Hardware provided to accept Uncombined 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)

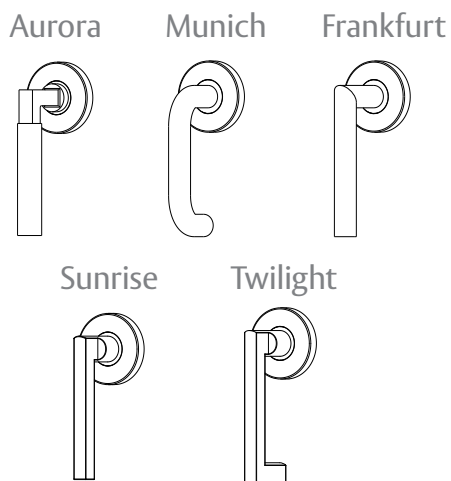
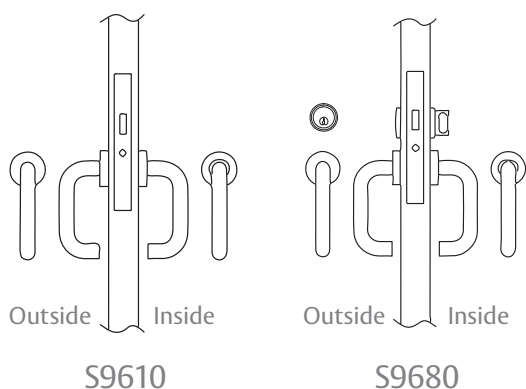
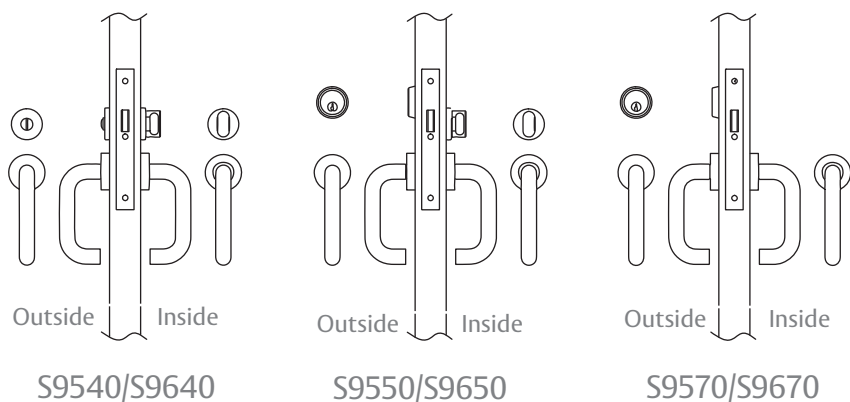
Note: To order the 6500 Cylindrical Lock for use with ASSA V-10 (VA & VS) cylinders, specify the Less Cylinder (LC-) option. V-10 cylinders are available from ASSA, Inc. @ 800-235-7482

Note: When tying into existing key systems contact Key Records for compatibility

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RITE Slide OPERATIONAL HARDWARE

Experience a safer
and more open world



MORTISE LOCK

Mortise Lock

- Standard 1-3/4" door thickness
- 2-3/4" backset only
- Handed - must specify
- Thumbturn spindle: 5 x 5mm square
- Lockcase with deadbolt (no edge pull)
- Deadbolt with 1" throw
- Self-retracting hook with non-marring latch bolt
- Faceplate (2mm thick)
- Vertically adjustable strike plate

Material

- Lock case: heavy gauge steel
- Deadbolt: brass and stainless steel
- Faceplate and strike: stainless steel or brass
- Cylinder by others

Functions (S9600 are self-latching devices)

- S9610 passage
 - Bolt auto-latches
 - Outside and inside levers are always unlocked and retract bolt
- S9540 or S9640 privacy with emergency release
 - Deadbolt retracted by either thumbturn or handle (inside) or emergency coin release (outside)
 - Outside lever is dummy function
- S9550 or S9650 entry with single cylinder
 - Deadbolt retracted by either thumbturn or handle (inside) or key (outside)
 - Outside lever is dummy function
 - Cylinder by others
- S9570 or S9670 classroom with single cylinder
 - Deadbolt retracted by handle (inside) or key (outside)
 - Outside lever is dummy function
 - Cylinder by others
- S9680 storeroom
 - Bolt auto locks
 - Outside lever is always locked unless unlocked with key; re-locks when key is removed
 - Inside lever retracts bolt for emergency egress
 - Cylinder by others

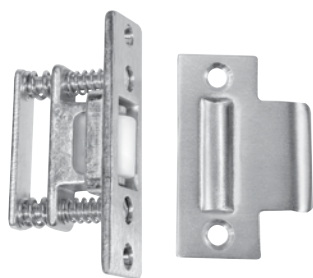
Lever/Trim Options:

- Aurora
- Munich
- Frankfurt
- Sunrise
- Twilight

Finishes:

- Satin Stainless (Standard)
- Custom color match available upon request

FOR INFORMATION CALL 218-828-6256
OR VISIT ASSAABLOYSERVICECENTERS.US



Roller Latch with No. 161 Strike No. 592

- Material:** Cast brass
- Finishes:** Available in standard architectural finishes (see page 9)
- Fastener:** Body: 2 ea. #8 x³/₄" FH combo screws
Strike: 2 ea. #8 x³/₄" FH combo screws
- Features:**
- Solid nylon roller for durable silent operation
 - Simple adjustment for roller projection
 - Accepted by the New York State Office of Mental Health (OMH) for use in high risk areas

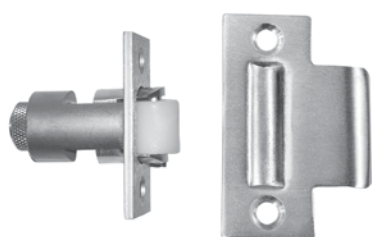
No.	Latch Face	Strike	Weight
592	1" x 3 ³ / ₈ "	1 ¹ / ₈ " x 2 ³ / ₄ "	0.6 lbs.



Roller Latch with Angle Stop No. 593

- Material:** Cast brass.
- Finishes:** Available in standard architectural finishes (see page 9)
- Fastener:** Body: 2 ea. #12 x 1¹/₂" FH WS
Strike: 2 ea. #8 x³/₄" FH combo screws
- Features:**
- Mounts in header with strike in top of door
 - Solid nylon roller for durable silent operation
 - Simple adjustment for roller projection

No.	Latch Face	Strike	Projection	Weight	ANSI A156.16
593	1 ¹ / ₂ " x 4 ¹ / ₂ "	1 ¹ / ₈ " x 2 ¹ / ₄ "	5 ⁵ / ₈ "	0.8 lbs.	E09111



Roller Latch with No. 161 Strike No. 594

- Material:** Cast brass
- Finishes:** Available in standard architectural finishes (see page 9)
- Fastener:** Body: 2 ea. #8 x³/₄" FH combo screws
Strike: 2 ea. #8 x³/₄" FH combo screws
- Features:**
- Solid nylon roller for durable silent operation
 - Simple adjustment for roller projection

No.	Latch Face	Strike	Weight
594	1 ¹ / ₈ " x 2 ¹ / ₄ "	1 ¹ / ₈ " x 2 ³ / ₄ "	0.7 lbs.

ASSA ABLOY

The global leader in
door opening solutions

IN Series

IN120 WiFi & IN220 PoE

Intelligent IP-Enabled Access Control

Available through Authorized
Channel Partners only.

Contact your local ASSA ABLOY
Door Security Solutions sales
consultant for details.

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IN Series

Intelligent IP-Enabled Access Control

SARGENT®

ASSA ABLOY

FEATURES	BENEFITS	IN120 WiFi Lock	IN220 PoE Lock
Utilizes IEEE 802.3af PoE-enabled network infrastructure for both power and data	■ Streamlines the installation process, reducing costs		✓
	■ Eliminates the need for any proprietary equipment		
	■ Enables real-time communication		
Utilizes IEEE 802.11 WiFi infrastructure	■ Significantly reduces installation costs	✓	
	■ Eliminates the need for any proprietary equipment		
	■ Ideal for hard-to-wire locations		
Field-upgradable 802.11b/g/n radio	■ Interoperability with other WiFi equipment	✓	
	■ Future proof for constantly evolving WiFi standards		
multiCLASS SE® Technology from HID Global®	■ Provides heightened security	✓	✓
	■ Supports: - Multiple credential types - HID Mobile Access® powered by Seos®, for iOS® and Android™ devices"		
Field selectable communication frequency	■ Allows you to balance security requirements with battery life	✓	
Reduced energy consumption and product sustainability measures	■ 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	✓	✓
Customizable feature set	■ Select only the features you need	✓	✓
	■ Easily add features as your requirements grow		
Intelligence built into lock for local decision making*	■ Lock operates regardless of network status	✓	✓*
	■ Supports up to 2,400/10,000 users**	✓	✓
	■ Provides a 10,000 event transaction history/audit trail	✓	✓
Privacy button	■ Enables shelter in place/local lockdown	✓	✓
	■ Offers privacy capabilities for applications such as restrooms		
Integrated ANSI/BHMA Grade 1 hardware, available in cylindrical lock, mortise lock, exit device, and multi-point lock configurations	■ Flexibility to support various openings	✓	✓
	■ Assurance of high quality 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		

* Requires backup power for IN220

** Contact your access control system manufacturer for more information

IN Series

Intelligent IP-Enabled Access Control

Credential Support:

Featuring HID® multiCLASS SE® technology, IN Series IP-enabled locks support the following credentials:

- 2.4 GHz credentials:
 - Secure Identity Object™ (SIO) on Mobile IDs (Bluetooth Smart)
- 13.56 MHz credentials:
 - iCLASS®
 - iCLASS SE® (SIO-enabled)
 - iCLASS® Seos®
 - SIO on MIFARE® Classic
 - SIO on MIFARE DESFire® EV1
 - MIFARE Classic
 - MIFARE DESFire EV1
 - PIV/PIV-I
 - NFC-enabled mobile phones
- 125 kHz credentials:
 - HID Prox®

Technical Specifications

IN120

- Compatible with 802.11b/g/n wireless networks

IN220

- Conforms to IEEE 802.3af Class 1 standard, requiring less than 3.84 watts

Security:

- AES 128-bit encryption (IN120, IN220)
- IN120 supports current WiFi network security standards, including:
 - WEP, WPA and WPA2
 - 802.1x
- For specific security information, please contact your local ASSA ABLOY Door Security Solutions sales representative or call 800-810-Wire.

Software:

- Works with ASSA ABLOY IP-Enabled Access Control Partner software, allowing simple integration into existing or new systems
- Software Development Kits (SDK) and support available to integrate into other third party access control systems.
Email: OEMSupport_Group@assaabloy.com for assistance.

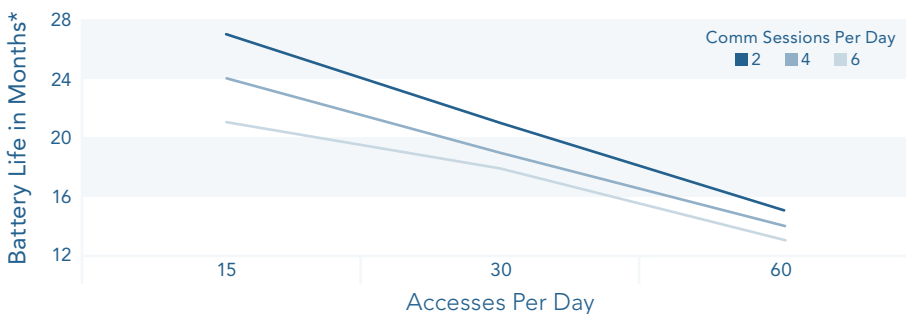
Environmental Specifications:

- 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)

EAC Regulatory Compliance:

- UL294 6th Edition (not applicable to FM7300)
- CAN/ULC S319 (not applicable to FM7300)
- BHMA A156.25 (not applicable to FM7300)

IN120 Battery Life



*Battery life data was calculated using Duracell batteries.

IN Series

Intelligent IP-Enabled Access Control

Mechanical Options

ADD STRENGTH	3-	Stainless steel hubs for institutional specifications (mortise locks only)
	28-	4-7/8" Strike #808. Lip length 1-1/4 (10 Line only)
	WBS-	Wrought Box Strike
10 LINE BRACKET OPTIONS	20-	2-3/8" Backset Latch with 1" Front
	23-	3-3/4" Backset x 2-1/4" x 1-1/8" Front (10 Line only)
	25-	5" Backset x 2-1/4" x 1-1/8" Front (10 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 (10 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 Outside Lever
FINISH PROTECTION	CPC-	Clear Powder Coat (Available for 26, 26D, 32 and 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Not available with 10B Finish)
THUMBTURNS (SEE PAGE 17)	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

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 (10 Line J lever not available)
	11-72-7P-	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately (10 Line J lever not available)
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	11-65-73-7P-	Hardware provided to accept XC- Uncombined 7-Pin SFIC (Permanent) Core (Packed Loose) (10 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-)
	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)

IN Series

Intelligent IP-Enabled Access Control

Cylinder Options

SMALL FORMAT INTERCHANGEABLE CORES	70-	Hardware to accept 6 or 7-Pin SFIC Permanent Cores, plastic disposable core provided (10 Line J lever not available)
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core Ordered Separately) (10 Line J lever not available)
	73-	Hardware supplied with 6-Pin SFIC (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	65-73-	Hardware provided to accept Uncombined 6-Pin SFIC (Permanent) Core (Packed loose for field keying) (10 Line J lever not available)
	65-73-7P-	Hardware provided to accept Uncombined 7-Pin SFIC (Permanent) Core (Packed loose for field keying) (10 Line J lever not available)
	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) and Keso F1 (F1-83-) removable cores (Not available with 10 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 10 Line)
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10 Line) (Patented)
84-	Hardware provided with SARGENT Keso Construction Cores (Not available with 10 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-	10 Line Lever to accept Schlage Cylinder-Cylinder is not provided (10 Line only)
	SF-	L Lever to accept Medeco KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (10 Line only)
SCHLAGE KEYWAYS	SC-	Schlage C keyway cylinder, 0 bitted (10 Line only)
	SE-	Schlage E keyway cylinder, 0 bitted (10 Line only)

Cylinder Options

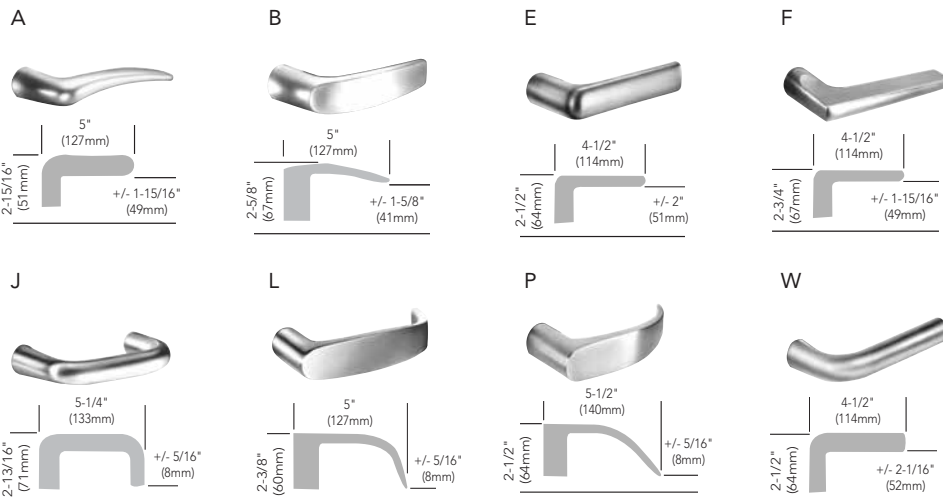
DEGREE CYLINDERS	DG1-	SARGENT Degree Key System Level 1 (Bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	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

IN Series

Intelligent IP-Enabled Access Control

Standard Levers (8200 Mortise Locks, 80 Series Exit Devices, and FM7300 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



Standard lever options are only available with O roses.

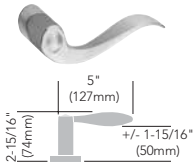
IN Series

Intelligent IP-Enabled Access Control

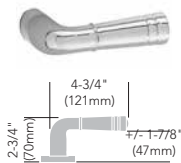
The Coastal Series™ (Mortise Locks, Cylindrical Locks - Gulfport and Yarmouth only, or Exit Devices, and FM7300 Series Multi-Point Locks)

- 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

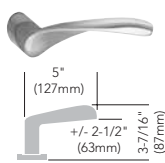
G - Gulfport™
(Handed)



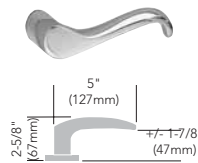
R - Rockport™



S - Sanibel™
(Handed)



Y - Yarmouth™
(Handed)



IN Series

Intelligent IP-Enabled Access Control

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 Exits Devices, DL, RDL Series Tubular Locks, and FM7300 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



Aventura Series



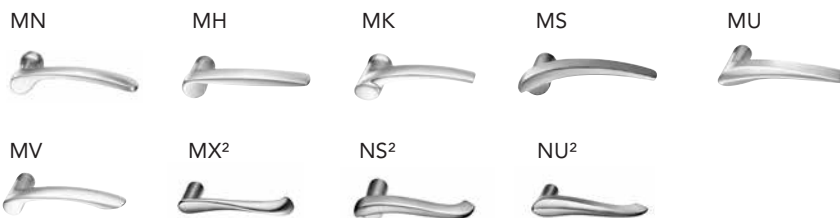
Gramercy Series³



Centro Series



Odéon Series (Handed Levers)



Rialto Series (MZ Lever is Handed)



Notting Hill Series (Handed Levers)



Grant Park Series

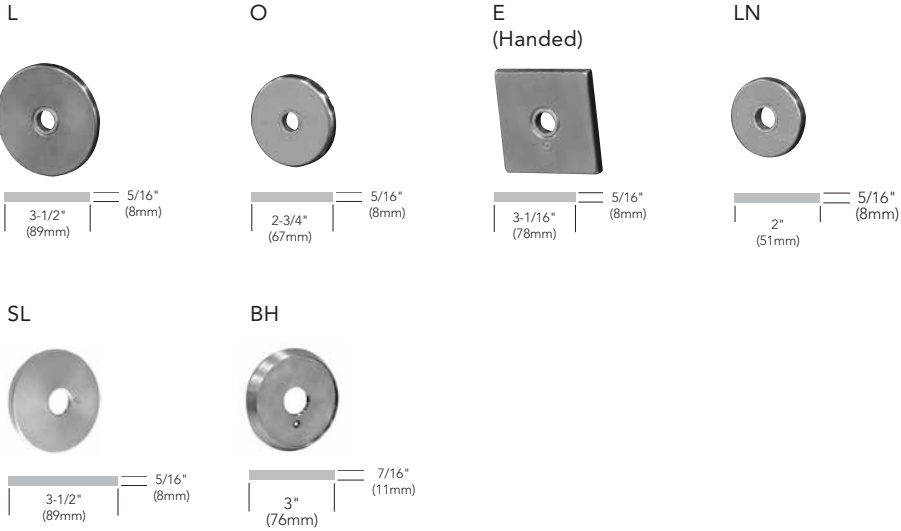


¹ Contact factory for current lead times
² Lever returns within 1/2" (13mm) of door face
³ Gramercy levers are customized.
 See page 28 for ordering information
 Note: H003 - H006 contains white or black polycarbonate insert

IN Series

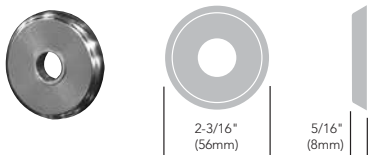
Intelligent IP-Enabled Access Control

Standard Roses

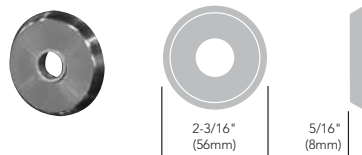


Coastal Series Roses

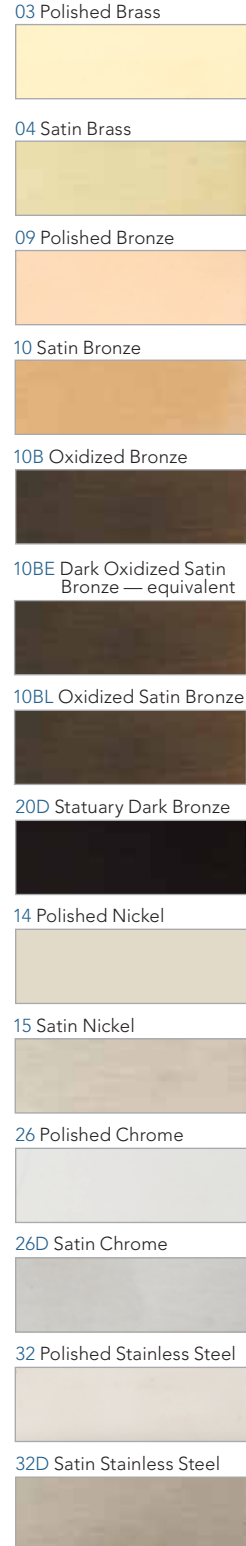
TR Traditional Rose
(Dual radii edge)



CR Contemporary Rose
(Beveled edge)



Available Finishes

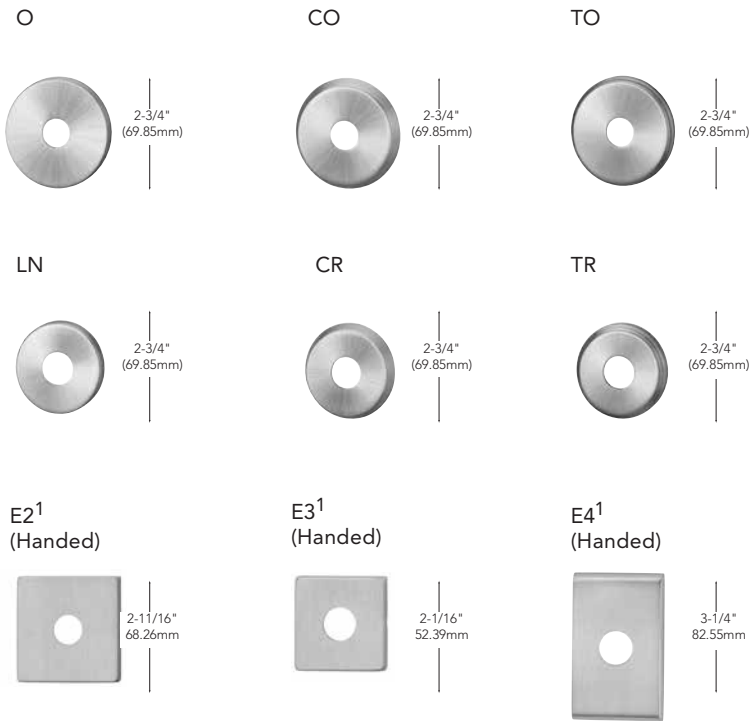


IN Series

Intelligent IP-Enabled Access Control

Studio Collection Trim

Roses (7900, 8200, and FM7300 Series Multi-Point Locks)

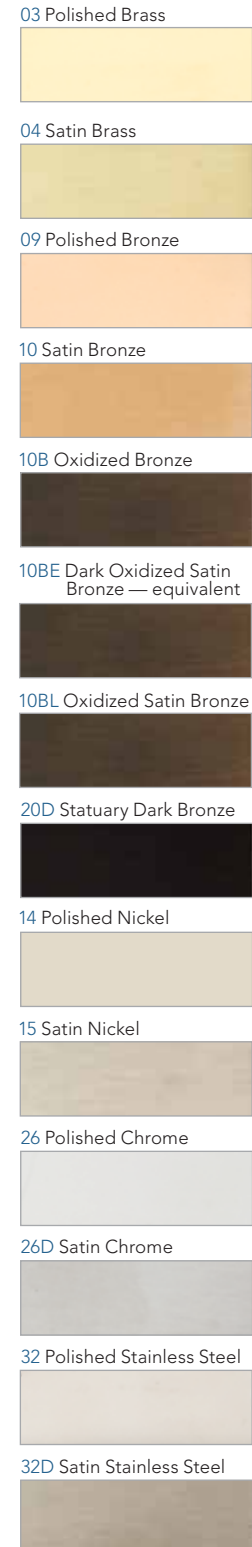


Thumbturns (7900, 8200, and FM7300 Series Multi-Point Locks)

Thumbturn backplate will match rose design chosen. Specify T1, T2 or T3 as a prefix option for decorative turns.



Available Finishes



¹ 1KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.

80 Series Exit Devices



Mortise Exit

Rim Exit

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 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 (for IN120), tamper signaling standard
- Door position switch (DPS, part #52-5373) supplied
- EcoFlex™ technology reduces energy consumption up to 95% 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.

IN Series

Intelligent IP-Enabled Access Control

SARGENT
ASSA ABLOY

Select from the following options to order IN Series exit devices:

Technology

120 WiFi
220 PoE

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

Credentials

IP HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE and HID Prox®
IPS All credentials supported by the IP option plus MIFARE Classic, MIFARE DESFire EV1 and HID Mobile Access® powered by Seos® for use with NFC-enabled mobile phones
IPV Supports PIV/PIV-I (64-bit BCD, 128-bit BCD or 200-bit outputs)
BIP All credentials supported by the IP option plus HID Mobile Access® powered by Seos® for use with Bluetooth Smart-enabled mobile phones
BIPS All credentials supported by the IPS option plus HID Mobile Access® powered by Seos® for use with Bluetooth Smart-enabled mobile phones
IKP All credentials supported by the IP option plus keypad
IKPS All credentials supported by the IPS option plus keypad
IKPV All credentials supported by the IPV option plus keypad
BIKP All credentials supported by the BIP option plus keypad
BIKPS All credentials supported by the BIPS option plus keypad
CP/BCP/CKP/BCKP Options supporting FeliCa credentials. Contact Blackboard for more details.
DIP/DIPS/DIKP/DIKPS* Options supporting LenelS2 BlueDiamond™ mobile credentials.

*Orderable through LenelS2 only

Reader

B Black reader, black trim
W White reader, white trim
MB** Black reader, metal trim
MW** White reader, metal trim

Rail Size

E: 24 - 32"
F: 33 - 36"
J: 37 - 42"
G: 43 - 48"

ET Trim

ET 700 Series ET Trim



Note: Metal trim for the reader is supplied in the finish specified in the order string. It is not available in stainless steel (32/32D), but will be plated to match.

**Keypad options are only available with metal trim

80 Series Exit Device



Windstorm Certifications

80 Series

SARGENT®

ASSA ABLOY

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 101/1.S.2/A440	“Standard/Specification for Windows, Doors, and Unit Skylights”
FEMA Publication 320 (2014)	“Taking Shelter From the Storm: Building a Safe Room for Your Home or Small Business”, investigated with respect to impact and pressure requirements only.
FEMA Publication 361 (2015)	“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

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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Cylinder Information for Exit Devices

Cylinder Chart: Exit Device Series x Function		ET Trim (700 Series Auxiliary Control)		PTB, PSB, STS, MAL, MSL, FLL, FSL, FLW, FSW	
		Door Thickness	1-3/4" (44mm)	2-1/4" (57mm)	1-3/4" (44mm)
Narrow Stile Mortise Exit Device	8304	46	48	41	43
	8313/8343	41	41	Not Available	
	8344	46	48	Not Available	
	8363	Not Available		41	43
	8375/8376	46	48	Not Available	
Narrow Stile CVR Exit Device	All 8400	41	41	Not Available	
Narrow Stile Rim Exit	8504	34	34	Not Available	
	8513/8543	41	41	Not Available	
Concealed Vertical Rod Exit Devices	All LP/LR/LS8600	41	Not Available		
	All SP/PP/PR8600	41	Not Available		
	All AD, MD & WD8600	41	41	Not Available	
Surface Vertical Rod Exit Devices	8706/8713/8743/8746	41	41	Not Available	
	8762/8763	Not Available		34	34
	All SP/PP/PR8700	41	N/A	Not Available	
Rim Exit Devices	8804	34	34	34	34
	8806/8813/8843/8846	41	41	Not Available	
	8816	34/*44	34/*44	Not Available	
	8844	34	34	Not Available	
	8863	Not Available		34	34
	8866	Not Available		34/*44	34/*44
	8875/8876/8877	34	34	Not Available	
	8904	46	48	41	43
Mortise Lock Exit Devices	8913/8943	41	41	Not Available	
	8916	*34/46	*34/48	Not Available	
	8944	46	48	Not Available	
	8963	Not Available		41	43
	8966	Not Available		*41/34	*43/34
	8975/8976	46	48	Not Available	

* Inside Cylinders

Chart shows cylinder type and size for conventional SARGENT cylinders.

Note: 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

Note: The 8888's Lever & Rose Trim cylinder standard is the standard SARGENT 10 Line cylinder (13-3266)

Note: 41 Cylinder is 1-1/8" in length; For each additional digit, the cylinder is a 1/8" longer. Example: 42 is 1-1/4"; 43 is 1-3/8" and 46 is 1-3/4"

Note: SARGENT supplies standard blocking rings. Specify if using competitor cylinders

Mullions: Aluminum, Steel and Electrified

80 Series

Aluminum Mullions			
Product Designation	650A	980	L980
Description	Removable	Removable	Lockable
Material	Aluminum	Aluminum	Aluminum
Standard Finish	US28/Satin Anodized Aluminum	Prime Coat	Aluminum Prime Coat
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
Stk Size	96"	96"	96"
Max Stk Height	120"	120"	120"
Pre-prepped	658 Strikes Included	No	No
Cylinder Size	Not Required	Not Required	#41
Shape	1-1/2" x 2-1/2"	T Shaped 2-1/2" x 3"	T Shaped 2-1/2" 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*

Electrified
EL980
Electrical Lockable
Steel
Gray Paint
Wall Mounting Kit: 98-2580 Top Ret Pack :98-2559
96"
120"
No
#46 Only
Rectangular 2" x 3"
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	96"	96"	96"	96"	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.	Fire rated for 8'0" x 8'0" paired openings	See Notes Below	12-HD980 is for pair of doors over 8'0" to 10'0" for use with 2-8800 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

Mullion Accessories and Stabilizers

80 Series

Mullion Accessories

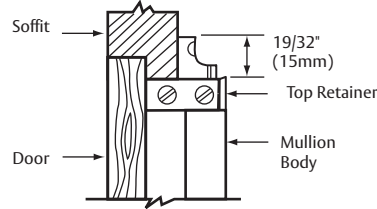
RK980

Latchbolt assembly retrofit kit with top and bottom retainers for 980 aluminum mullion



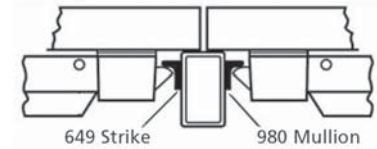
507 Narrow Transom Bars Adapter

- Available with 980 and 980A
- Required when soffit is 1-1/4" (32mm) to 2" (51mm) wide
- Order as a: 507 for 980 mullion or 507A for 980A mullion



980S Mullion Application

- All steel mullions are 2" x 3"

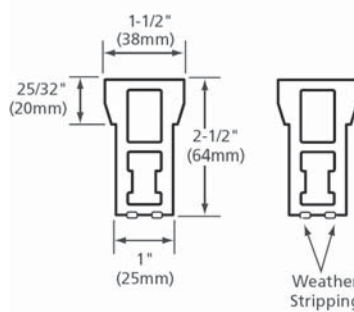


651 Mullion Stabilizer Kit

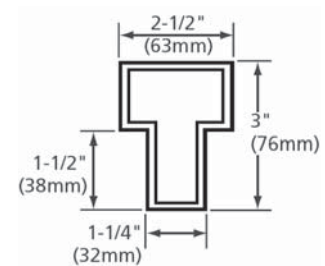


- Stabilizer block
- Furnished standard w/650A Mullion
- Order as a 651 Kit

650A Mullion



980 Mullion & L980 Lockable Mullion

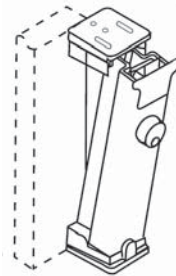


980C1 Cylinder Mullion Kit



- Lockable mullions only
- Aluminum and steel
- Includes cylinder and collar
- Available in 26D & 10B finish

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-, 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 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-, 22-, 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.

980C2 Cylinder Mullion Kit



- Lockable mullions
- Electrified only
- Includes cylinder and collar
- Available in 26D finish only

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

Mechanical Options and Descriptions

80 Series

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-, 57, 59-, AL- or BT- Option)
	LD-	Less dogging for non fire rated devices
Less Touch Pad	19-	Pushbar without Lexan touchpad (not available TL-)
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, PP, PR & SP8700, PP, PR & SP8600, LP, LR & LP8700 Extended lip strike supplied for 8300 & 8900 Series
	36-	Six lobe security head screws
Security Fasteners	37-	Spanner head screws
	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 59-, GL-, HC-, WS- or on FM8700, PP/PR/SP8600 & 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 57-, 58-, 59-, AL- or BT- Option)
	56-HK-	Remote Latch Retraction with manual Hex Key dogging (not available 12-, 57-, 58-, 59-, AL- or BT- Option)
	57-	Delayed Egress (Electromagnetic Lock required & purchased separately) (not available 16-, 53-, 56-, 56-HK, 58-, 59-, AL, Bc-59- or BT, GL, TL Prefixes) (NB, 54- are available on request)
	58-	Electric Rail Dogging (Not available 56- & 59-)
	59-	Electroguard® Self Contained Delayed Egress Device (not available with 16-, 53-, 55-, 56-, 57-, 58-, AL-, BT-, GL-, HC- & WS Option Prefixes, PP/PR/SP8600, LP/LR/LS8600 Exit Devices) (NB, 54- are available upon request)
	AL-	Alarmed Exit (Not available 16-, 56-, 57-, 59-, BT-, GL-, HC- & WS-)
	BC-59-	Electroguard® Boca Code (Door Status Switch required) (not available with 16-, 55-, 56-, 57-, 58-, AL-, BT-, GL-, HC- & WS- Options and on NB8700, PP/PR/SP8600 & LP/LR/LS8600 Exit Devices)
	TL-	SARGuide Electro-Luminescent Touchpad (not available 19-, 85-, 87- & PL-)
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- & TL-)
	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- & TL-)
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-, 56-, 59-, AL-, HC- & WS-)
SARGuide	PL-	SARGuide™ PL – Photoluminescent Coated Push Rail – (Touchpad eliminated) (not available 85, 87 & TL-)
Through Bolts	TB-	Through Bolts for 8300, 8500, 8600, 8700, 8800 & 8900 Devices
Rail Force	5CH-	5lb. Pressure Release (8800 only)

Cylinder Options and Descriptions

80 Series

SARGENT®

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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- Uncombined 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-)
	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 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 Uncombined 6-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	65-73-7P-	Device provided to accept Uncombined 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)
	81-	Device provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores ordered separately)
Keso & Keso F1	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 MEDECO KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (Supplied Less Cylinder, but with tailpiece needed) (Available for 88-KLL & 88-CLL)

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Note: For V-10 Cylinders and information, contact ASSA

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ASSA ABLOY, the global leader in door opening solutions

8800 Rim Exit Device

80 Series

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

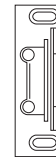
Door Type	Metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2 1/4" thick, specify thickness and order as 31-
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied <ul style="list-style-type: none"> • 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 PL- SARGuide Photoluminescent Coated TL- SARGuide Illuminated Touchpad
	49- Indicator 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 57- Delay Egress & Electromagnets 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	8-3/8" (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



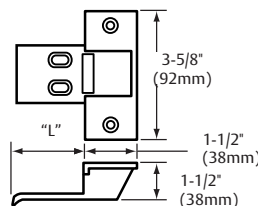
- 688 Trim Retrofit kit allows an 8800* Series rim exit with an ET to replace Von Duprin's 98/99 Series exit with trim with minimal door prep.

*Except for 16 function

- Order as: 688 Kit

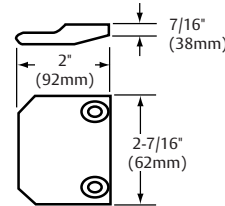
Alternate Strikes For 8800 Rim Devices

642 Strike



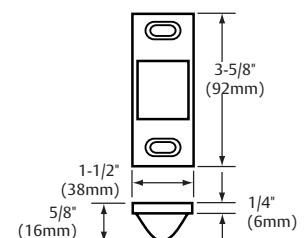
- Mortised. Dimension "L" equals door thickness plus 1/2" (13mm). Black nylon coated on lip only

644 Strike



- Surface applied. For use on pairs of doors without mullion. Ductile Iron. Black nylon coated


613 Strike



- Half mortised. Black nylon coated

8800 Functions and Trims

80 Series

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Options
F1-83-56	88	13	F	ETL	RHR	26D	32D	36"	8800
700 Series ET Trim									
 Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)									
SARGENT Function Numbers		ANSI Function Numbers		Description & Cylinder Info (1-3/4" Door)			ANSI Type 1 8800 Panic & Fire		Options
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied			8804 x ET_		Mechanical Options: 12- 16- 19- 31- 36- 37- 43- 53- 54- 55- 56- 56-HK- 57- 58- 59- 5CH- BC-59- 76- 85- 86- 87- AL- BT- CPC- GL- LD- PL- **5G- TB- TL- 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- 22- 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-		
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_				

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

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



8800
Panic & Fire

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	814-FSL*	814-FSW*	814-MSL*	814-PSB*	814-ST5	862 Pull	8804 x Trim Designation
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	814-FSL*	814-FSW*	814-MSL*	814-PSB*	814-ST5	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-ST5	862 Pull	8810 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-ST5	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-ST5	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-ST5	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 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	614
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	—

AD8600 and NB-AD8600 Concealed Vertical Rod Exit Device for Aluminum Doors

80 Series

SARGENT®

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AD8600 Series

Concealed Vertical Rod Exit Device for Aluminum Doors

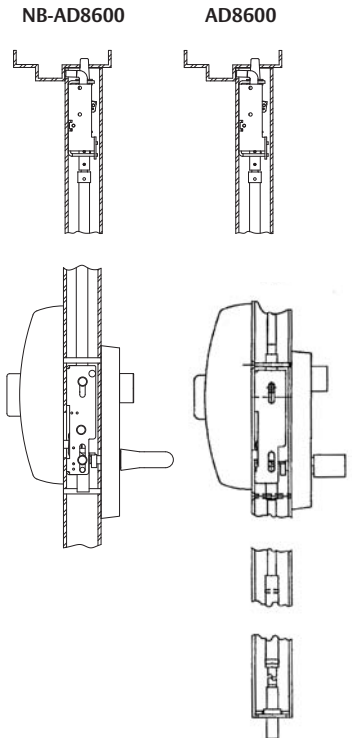


Features

- 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-
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 <ul style="list-style-type: none"> • 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 TL- SARGuide™ Illuminated Touchpad 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 57- Delay Egress & Electromagnets 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



Note: AD8600 can be used as NB- Device by simply not installing the bottom rod/bolt

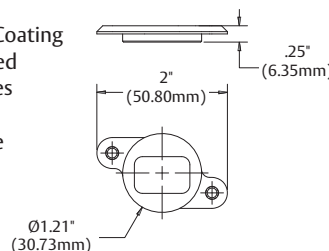
100 Series Aux Control

- 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

80 Series

SARGENT®

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How to order:	Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF	Options
	56-NB-	AD86	13	F	ETL	RHR	15	32D	36"	84"	41"	AD8600

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

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_

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

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



100 Series Aux. Control



862 Pull

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	AD8600 Panic
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"

Mechanical Options:

16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
57-
58-
59-
5CH-
BC-59-
76-
85-
86-
87-
AL-
BT-
CPC-
LD-
NB-
PL-
*SG-
TL-

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-
22-
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

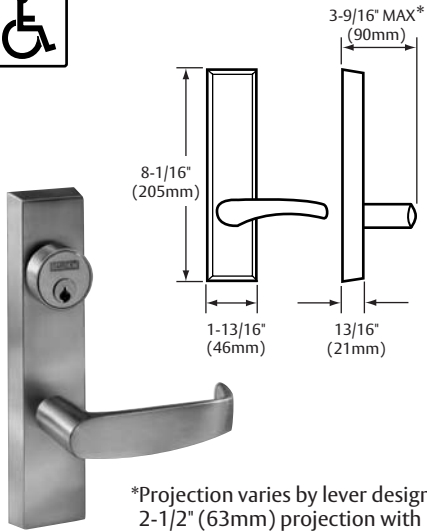
Available Finishes

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	-

ET Trim, Levers and Pulls

80 Series

ET Lever Controls

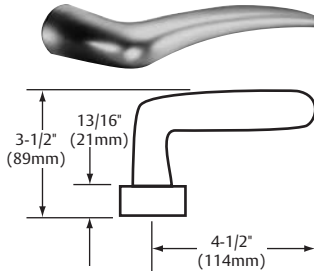


*Projection varies by lever design. 2-1/2" (63mm) projection with L Lever

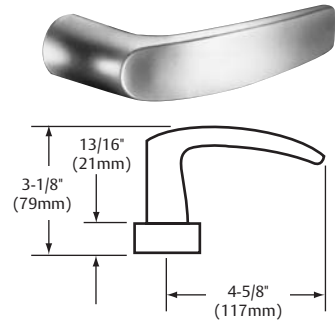
Note: ET suffixes required when ordering ET trim without an exit device, see page 74 for complete details

A Lever

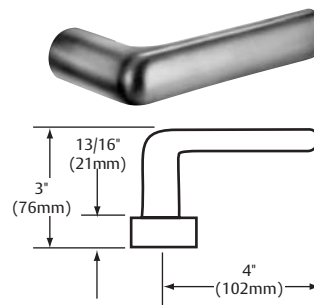
- Handed



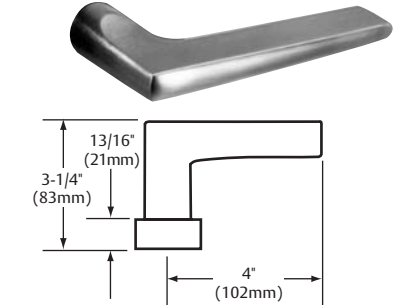
B Lever



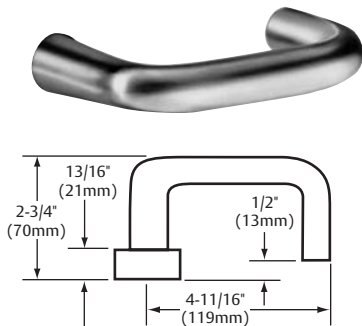
E Lever



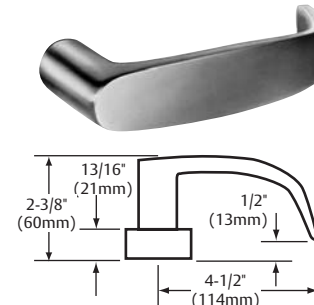
F Lever



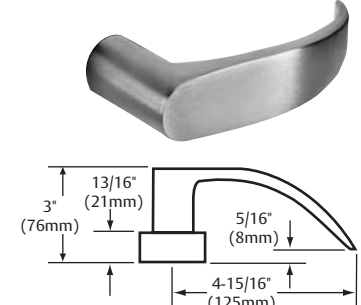
J Lever*



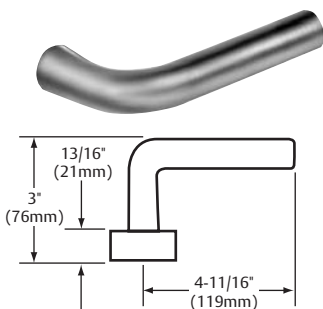
L Lever*



P Lever*

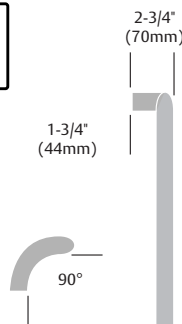


W Lever

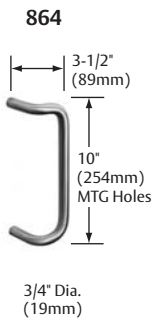
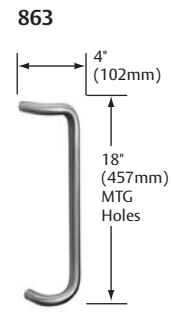
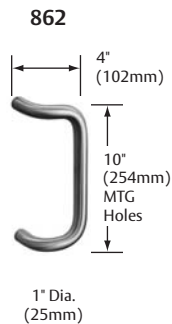


* Lever returns within 1/2" (13mm) of door face

Pulls



SIDE PROFILE



1" Dia. (25mm)

MD8600(Windstorm Rated) and NB-MD8600 Concealed Vertical Rod Exit Device for Metal Doors

80 Series

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
- 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 <ul style="list-style-type: none"> • 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 TL- SARGuide™ Illuminated Touchpad 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 57- Delay Egress & Electromagnets 58- Electric Dogging 59- Electrogard – 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

Note: MD8600 & 12-MD8600 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.

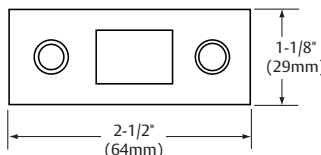
100 Series Aux Control

- Available as an 06 or 13 function
- Supplied with a SARGENT #41 Mortise Cylinder
- Can be used with any SARGENT Mortise Key System



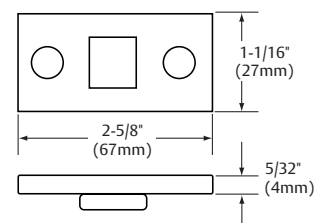
650 Top Strike

- For application in hollow metal frames
- Stainless steel nylon coated



606 Bottom Strike

- Furnished with expansion shields
- Mortised into floor
- Stainless steel



MD8600 (Hurricane-Resistant) Concealed Vertical Rod Exit Device for Metal Doors

80 Series



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 & 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-
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 <ul style="list-style-type: none"> • 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 TL- SARGuide™ Illuminated Touchpad 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 57- Delay Egress & Electromagnets 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

Note: MD8600 & 12-MD8600 can be used as NB- Device by simply not installing the bottom rod/bolt

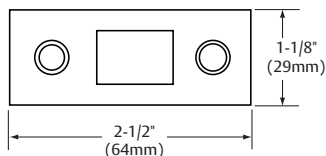
Note: 12-NB Applications require thermal pin. Thermal Pin supplied when ordered as a 12-NB Device

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

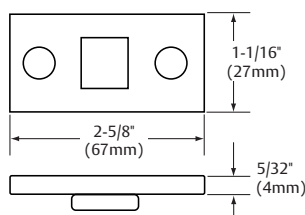


650 Top Strike



- For application in hollow metal frames
- Stainless steel nylon coated

606 Bottom Strike



- Furnished with expansion shields
- Mortised into floor
- Stainless steel

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90641 03/19

MD8600 and NB-MD8600 Functions and Trims for Metal Doors

80 Series



SARGENT®
ASSA ABLOY

How to order: Options 57-NB- Series MD86 Function 13 Rail Lgth F Trim ETL Hand RHR Outside Finish 03 Inside Finish 03 Door Width 36" Door Height 84" AFF 41"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

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_

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

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



100 Series Aux. Control



862 Pull

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	MD8600 Panic & Fire
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-	
57-	
58-	
59-	
5CH-	
BC-59-	
76-	
85-	
86-	
87-	
AL-	
BT-	
CPC-	
HC-	
LD-	
NB-	
PL-	
*SG-	
TL-	
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-	
22-	
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-	

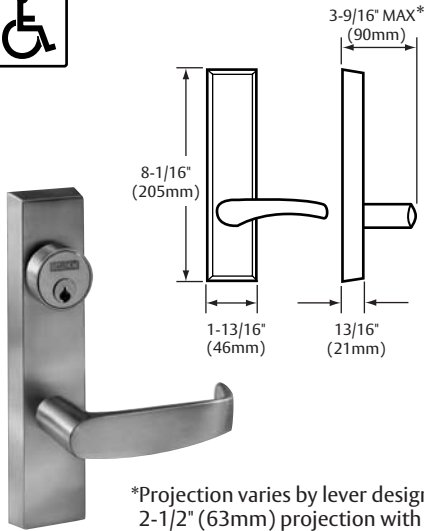
* Only available with 15, 26D and 32D finishes

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	630
WSP	—

ET Trim, Levers and Pulls

80 Series

ET Lever Controls

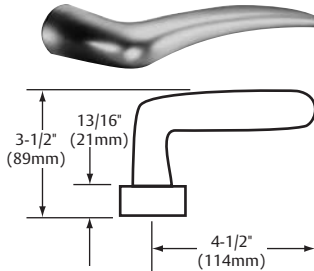


*Projection varies by lever design. 2-1/2" (63mm) projection with L Lever

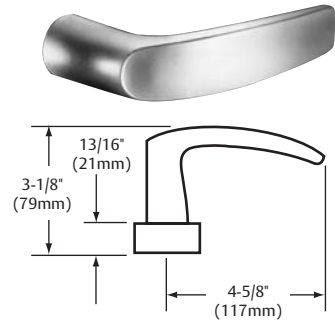
Note: ET suffixes required when ordering ET trim without an exit device, see page 74 for complete details

A Lever

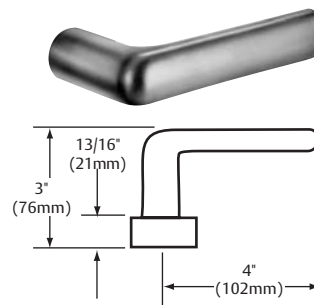
- Handed



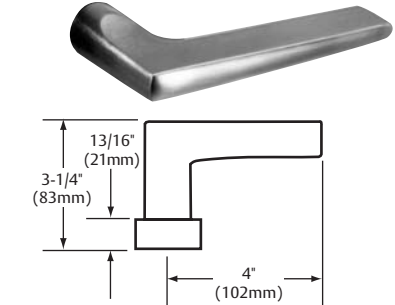
B Lever



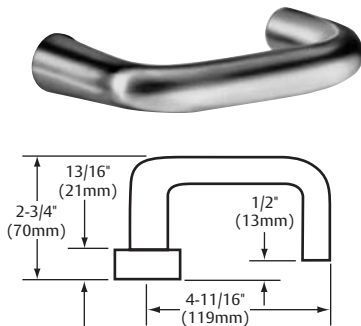
E Lever



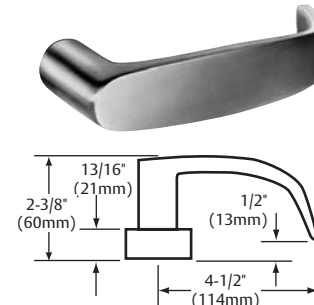
F Lever



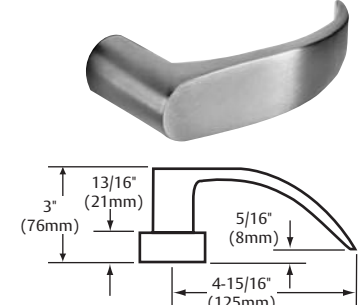
J Lever*



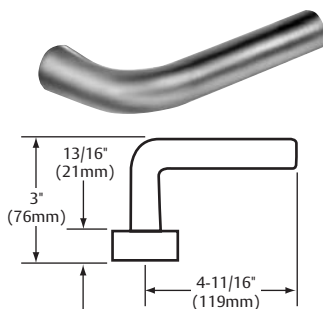
L Lever*



P Lever*

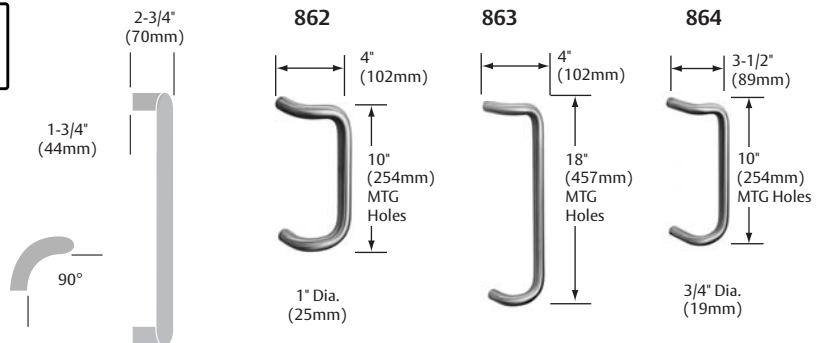


W Lever



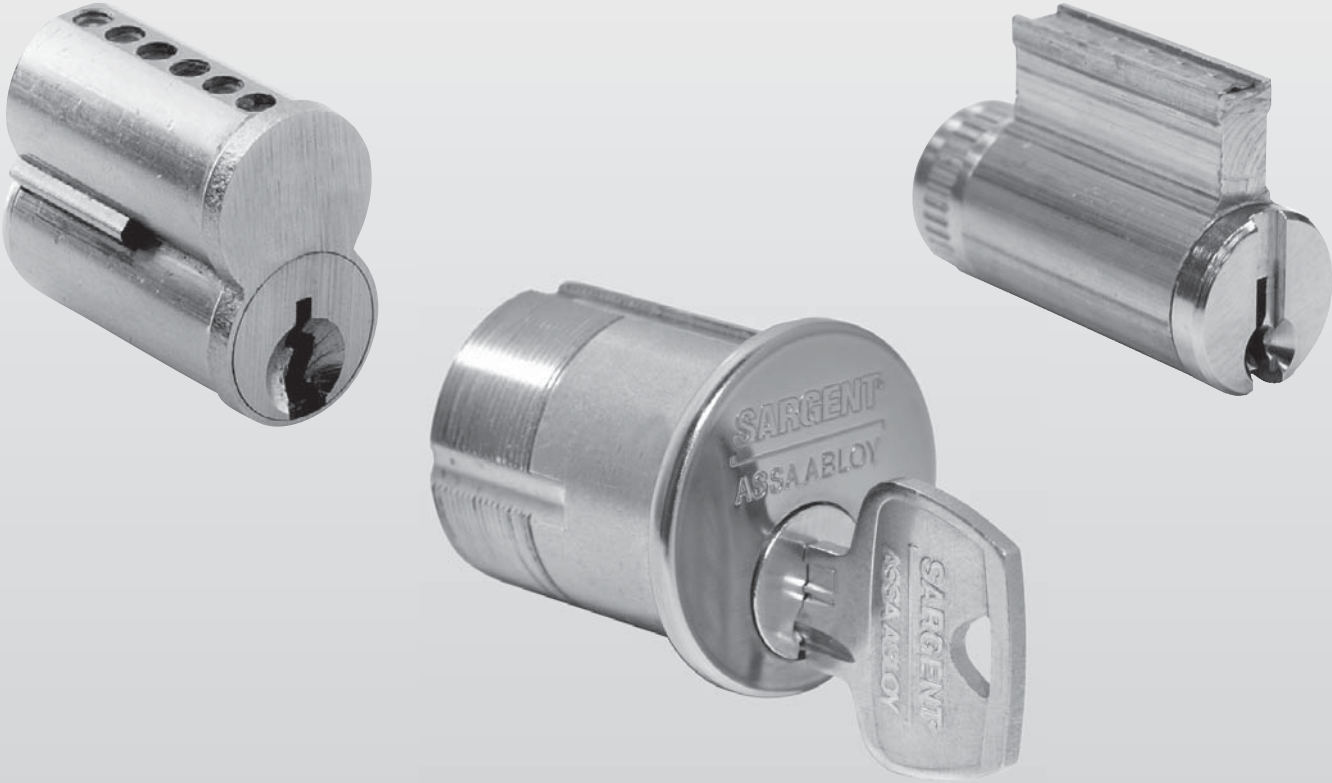
* Lever returns within 1/2" (13mm) of door face

Pulls



SIDE PROFILE

Cylinders & Components



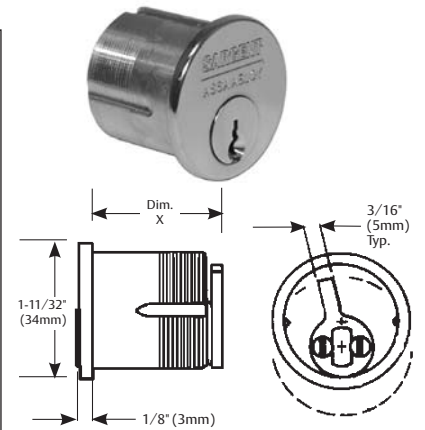
40 Series Mortise Cylinders and 34 Series Rim Cylinders Cylinders and Components



40 Series Mortise Cylinder

- Cylinder: Solid brass, 1-5/32" (29mm) diameter
- Cap: Brass, bronze or stainless steel
- Furnished standard with No. 97 rosette and compression spring
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- See Cam Chart on Page 8 for cam required
- 6 pin standard; for 7 pin specify "7 pin", size 42 minimum
- No. 41 cylinder not available in 7 pin
- 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, 15, 20D, 32, 32D, BSP
- Plug finishes: 4, 15

		Length under cylinder head									
Cylinder No.		41	42	43	44	46	48	50	52	54	56
Dim. X		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)



50-40 Series Hotel Type Cylinder

Features same as standard 40 Series cylinders except:

- For use with 7850, 8250, and 9250 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 (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
- 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)

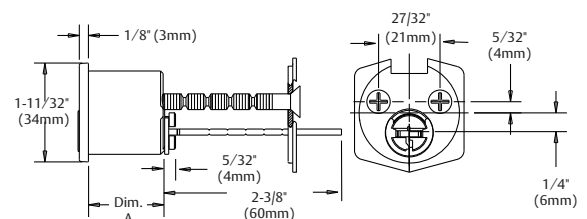
78-40 Series Exposed Shell Only Cylinders

- Cylinder: Solid brass, 1-5/32" (29mm) diameter
- 6 pin standard, for 7 pin specify "7 pin"
- For use with SARGENT mortise locks with Escutcheon Trim (KE 3/4, LE 3/4) only
- See Function Table on Page 8 for cam required
- 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
- Plug finishes: 4, 15

34 Series Rim Type Cylinder

- 27/32" (21mm) screw pattern for through-bolted SARGENT exit devices
- Cylinder: Solid brass
- Cap: Brass, bronze or stainless steel
- Furnished standard with No. 97 rosette and compression spring, "break-off" screws and back plate
- 6 pin standard, for 7 pin specify "7 pin"
- Horizontal tail piece only
- Cylinder finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 15, 20D, 32, 32D, BSP
- Plug finishes: 4, 15

No. of Pins	Door Thickness when used with 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)



All cylinders are 6 Pin and are supplied with 2 nickel silver keys offered in the keyways listed on Page 16 unless noted otherwise. In cylinders ordered for 5 pin systems the (6th) last chamber will be empty.

When double cylinder locksets are keyed alike on both sides, 2 change keys are supplied.

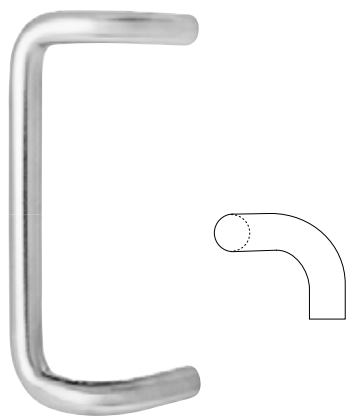
For cylinders in competitive keyways, see Page 13.

Cylinders are supplied random keyed unless specified 1 bitted 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.

Cylinders BHMA A156.5 Grade 1 listed except hotel functions.

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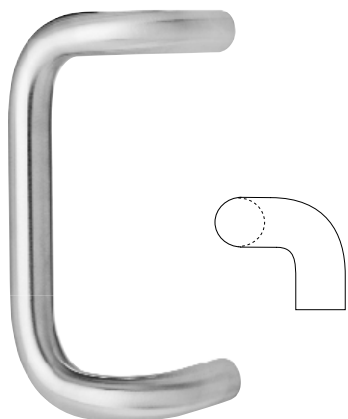
90622 09/18



90° Offset Door Pulls No. BF150, BF151, BF152

- Material:** Aluminum, brass, bronze, stainless steel
- Finishes:** Available in standard architectural finishes, US32DMS, US32D316, US32316, white (WPC), red (RPC), and black (BPC) powder coat finishes (see page 9)
- Fastener:** 1/4-20 x 2 1/4" thru bolt & finish washer (standard 1 3/4" door)
- Options:**
- Back to back mounting in pairs — use BTB suffix and mounting type number (BF150BTB16)
 - Concealed mounting single pulls — use C suffix and mounting type number (BF150C17)
 - Advise if door thickness is other than 1 3/4"
 - See page B27 for mounting selection (standard duty 1/4 - 20)

No.	Material Size	CTC	Overall	Base	Projection	Clearance	Offset	Weight	ANSI A156.6
BF150	3/4" dia.	8"	8 3/4"	3/4"	3 1/4"	2 1/2"	4"	2.3 lbs.	J402
BF151	3/4" dia.	10"	10 3/4"	3/4"	3 1/4"	2 1/2"	4"	2.5 lbs.	J402
BF152	3/4" dia.	12"	12 3/4"	3/4"	3 1/4"	2 1/2"	4"	2.7 lbs	J402



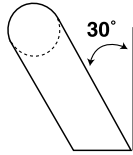
90° Offset Door Pulls No. BF156, BF157A, BF157, BF158, BF159

- Material:** Aluminum, brass, bronze, stainless steel
- Finishes:** Available in standard architectural finishes, US32DMS, US32D316, US32316, white (WPC), red (RPC), and black (BPC) powder coat finishes (see page 9).
*US3LIFETIME available on select product below
- Fastener:** 1/4-20 x 2 1/4" thru bolt & finish washer (standard 1 3/4" door)
- Features:** Recommended for ADA openings
- Options:**
- Back to back mounting in pairs — use BTB suffix and mounting type number (BF156BTB16)
 - Concealed mounting single pulls — use C suffix and mounting type number (BF156C17)
 - Advise if door thickness is other than 1 3/4"
 - Heavy duty versions of most fastening types available — use suffix HD to fastening type number (BF156BTB16HD)
 - See page B27 for mounting selection (standard duty 1/4 - 20)

No.	Material Size	CTC	Overall	Base	Projection	Clearance	Offset	Weight	ANSI A156.6
BF156	1" dia.	8"	9"	1"	3 1/2"	2 1/2"	4"	3.9 lbs.	J402
BF157A	1" dia.	9"	10"	1"	3 1/2"	2 1/2"	4"	4.1 lbs.	J402
BF157*	1" dia.	10"	11"	1"	3 1/2"	2 1/2"	4"	4.3 lbs.	J402
BF158	1" dia.	12"	13"	1"	3 1/2"	2 1/2"	4"	4.8 lbs.	J402
BF159	1" dia.	18"	19"	1"	3 1/2"	2 1/2"	4"	6.5 lbs.	J402

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Heavy Duty Offset Door Pulls No. BF257, BF258, BF259, BF260

- Material:** Aluminum, brass, bronze, stainless steel
- Finishes:** Available in standard architectural finishes, US32DMS, US32D316, US32316, white (WPC), red (RPC), and black (BPC) powder coat finishes (see page 6)
- Fastener:** 3/8" - 16 x 2 1/2" thru bolt & finish washer (standard 1 3/4" door)
- Features:**
- Heavy duty pull and mounting for rough service areas
 - Large footprint on door provides stable mounting
- Options:**
- Advise if door thickness is other than 1 3/4"
 - See page B27 for mounting selection

No.	Material Size	CTC	Overall	Base	Projection	Clearance	Offset	Weight	ANSI A156.6
BF257	1 1/4" dia.	10"	11 1/4"	1 1/4" x 1 7/16"	3 3/4"	2 1/2"	1 15/16"	8.3 lbs.	J402
BF258	1 1/4" dia.	12"	13 1/4"	1 1/4" x 1 7/16"	3 3/4"	2 1/2"	1 15/16"	9.0 lbs.	J402
BF259	1 1/4" dia.	18"	19 1/4"	1 1/4" x 1 7/16"	3 3/4"	2 1/2"	1 15/16"	11.1 lbs.	J402
BF260	1 1/4" dia.	24"	25 1/4"	1 1/4" x 1 7/16"	3 3/4"	2 1/2"	1 15/16"	13.3 lbs.	J402



No. VRT12

Vandal Resistant Trim No. VRT12, VRT22

- Material:** Stainless steel
- Finishes:** US32D
- Fastener:** 1/4" - 20 thru bolt. Other sizes to match locks and exit devices as required
- Features:** VRT22 — soft black textured grip
- Options:**
- Cut for cylinder — use C suffix (VRT22C) when ordering
 - Specify make and model number of exit device when mounting with exit device fastening systems

No.	Material Size	Weight
VRT12	5 7/8" x 12"	2.3 lbs.
VRT22	5 7/8" x 12"	2.3 lbs.



No. VRT22

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1¹/₈" Ball Knob No. 841

- Material:** Solid brass.
Finishes: US3, US26, other finishes available upon request.
Fastener: #8 - 32 x 1" TH MS.
Options: Other screw lengths available upon request.

No.	Base	Projection	Weight	ANSI A156.9
841	³ / ₄ " dia.	1 ¹ / ₈ "	2.5 lbs./10	B02131



Utility Pull No. 845

- Material:** Aluminum, brass.
Finishes: US3, US4, US10, US10B, US26, US26D, burnished aluminum (ALM).
Fastener: 4 ea. #8 x ³/₄" OH SMS.

No.	Size	Projection	Weight
845	1 ⁷ / ₈ " x 5 ⁷ / ₈ "	1 ¹ / ₂ "	2.5 lbs./10



Solid Wire Pull No. 850, 851, 852, 853

- Material:** Brass, stainless steel.
Finishes: US3, US4, US10, US10B, US26, US26D, US32D, US32DMS.
Fastener: #8 - 32 x 1" TH MS.
Options: Other CTC's available upon request.

No.	Size	CTC	Projection	Weight	ANSI A156.9
850	⁵ / ₁₆ " dia.	2 ³ / ₄ "	1 ¹ / ₄ "	3.4 lbs./25	B02011
851	⁵ / ₁₆ " dia.	3"	1 ¹ / ₄ "	3.8 lbs./25	B02011
852	⁵ / ₁₆ " dia.	3 ¹ / ₂ "	1 ¹ / ₄ "	3.9 lbs./25	B02011
853	⁵ / ₁₆ " dia.	4"	1 ¹ / ₄ "	4.0 lbs./25	B02011



Heavy Wire Pull No. 856

- Material:** Brass, bronze, stainless steel.
Finishes: US3, US4, US10, US10B, US26, US26D, US32D, US32DMS.
Fastener: #8 - 32 x 1" TH MS.
Options: Other CTC's available upon request.

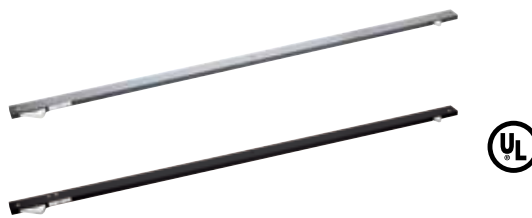
No.	Size	CTC	Projection	Weight	ANSI A156.9
856	¹ / ₂ " dia.	4"	1 ³ / ₄ "	4.5 lbs./10	B02011

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Door Coordinators No. 2600 Series

- Material:** Steel
- Finishes:** Black prime coat, silver powder coat
- Fastener:** 7 ea. #12 - 24x 1¹/₄ TH type C tapping screws
- Size:** Standard device size 5⁵/₈" x 1⁵/₈" x 52"
- Features:** Non-handed. Override protection to prevent damage in case of abnormal force on door Mechanism and filler bar completely fill width of opening and when painted to match frame it becomes virtually invisible
- Options:** Specify make and model of exit device for vertical rod preparation
- Ordering:** Stock Sizes



No.	Opening	Weight	ANSI A156.3
2660	60"	7.0 lbs.	Type 21A
2672	72"	8.0 lbs.	Type 21A
2696	96"	9.75 lbs.	Type 21A

Custom Sizes — The 2600 Series coordinators are manufactured in different housing lengths to coordinate the full range of door sizes:

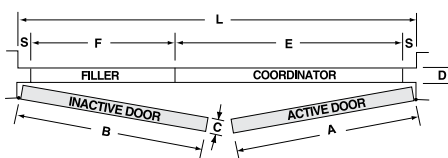
- NX2600 Series: For jamb opening widths (A + B dimension) from 48" - 54". E dimension, 42"
- 2600 Series: For jamb opening widths (A + B dimension) from 54" - 96". E dimension, 52"

Determining Coordinator Item Number

- Active door widths A plus inactive door width B equals the last two or three digits of all 2600 Series coordinator item numbers (2680 is for 80" door opening)
- Less than 48" jamb widths = N2600 Series (N2644 = 44" opening).
- Larger sizes are available (XL, XXL). Contact the factory

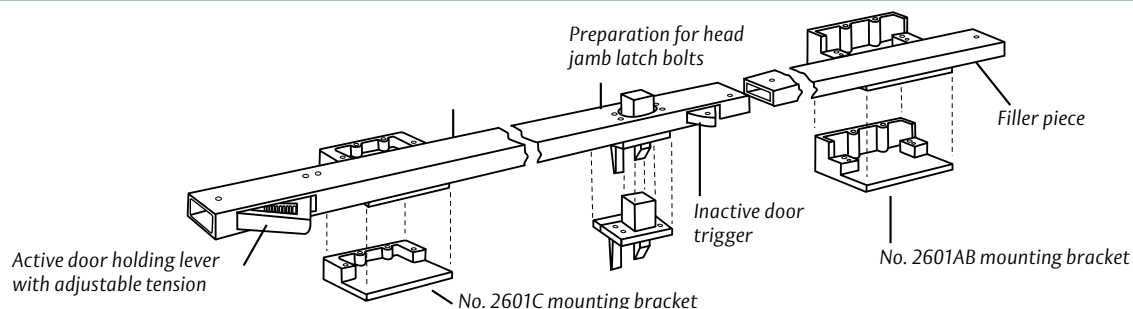
NOTE: Some panic hardware requires the coordinator to be factory prepped. Contact factory.

No.	Jamb Widths	Coordinator Length	ANSI A156.3
NX2648- NX2654	48"-54"	42"	Type 21A
2655 - 2660	55" - 60"	52"	Type 21A
2661 - 2672	61" - 72"	52"	Type 21A
2673 - 2696	73" - 96"	52"	Type 21A



Fillers are usually supplied precut from the factory (filler bars shown on page E14).

NOTE: If "S" dimension is other than 5⁵/₈" advise the factory.



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351 Series

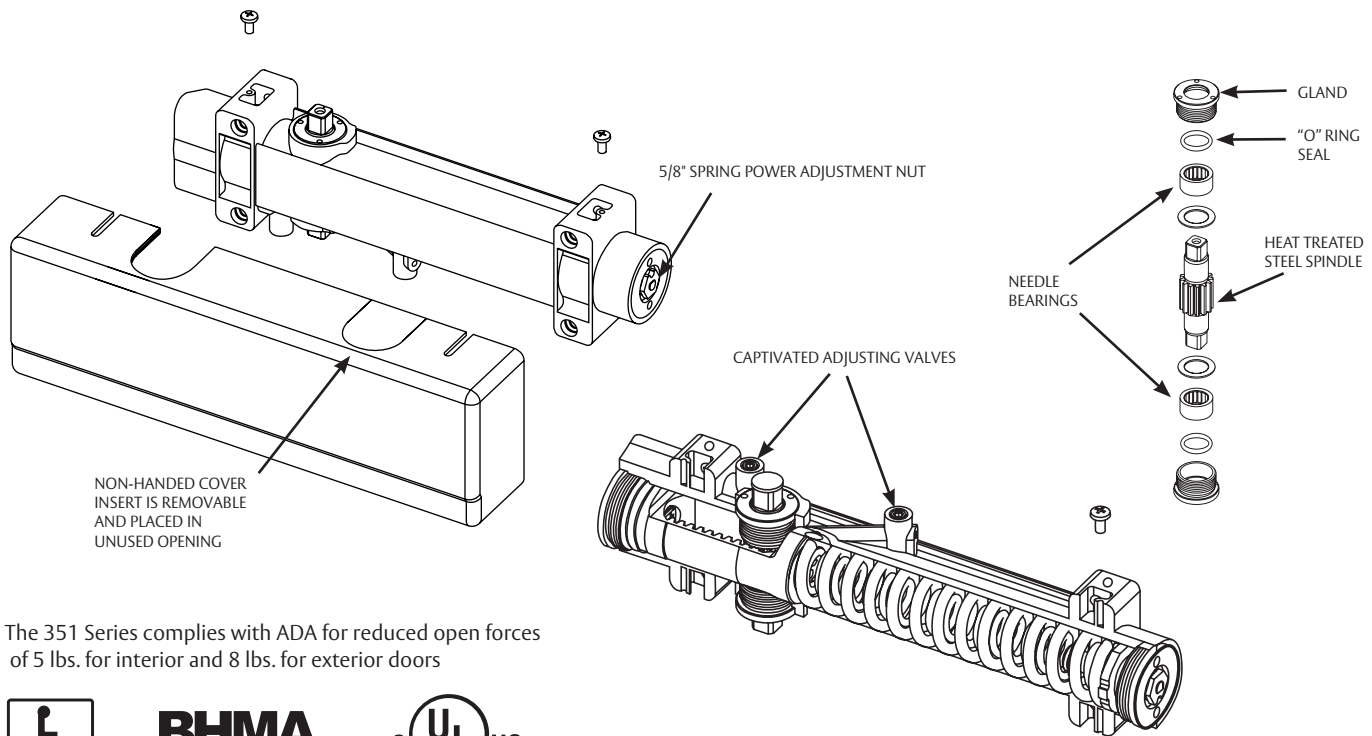
Powerglide® Door Closer



Features and Benefits

351 Series Powerglide®

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



BHMA
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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
- 25 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

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

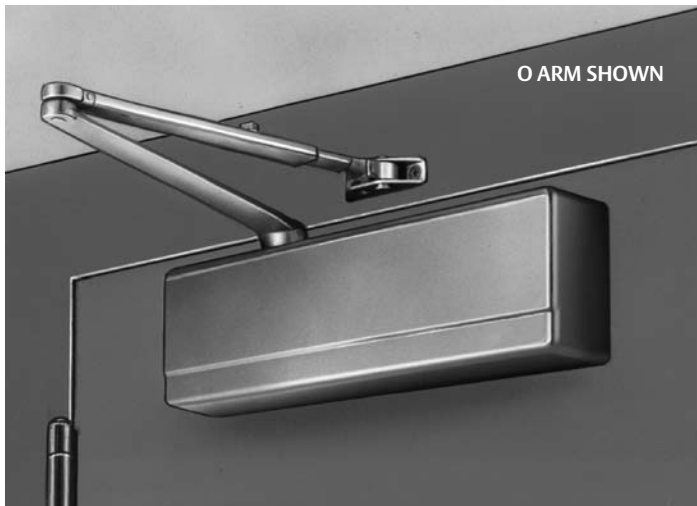
Full Complement of Arm Types

- 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

Standard Applications

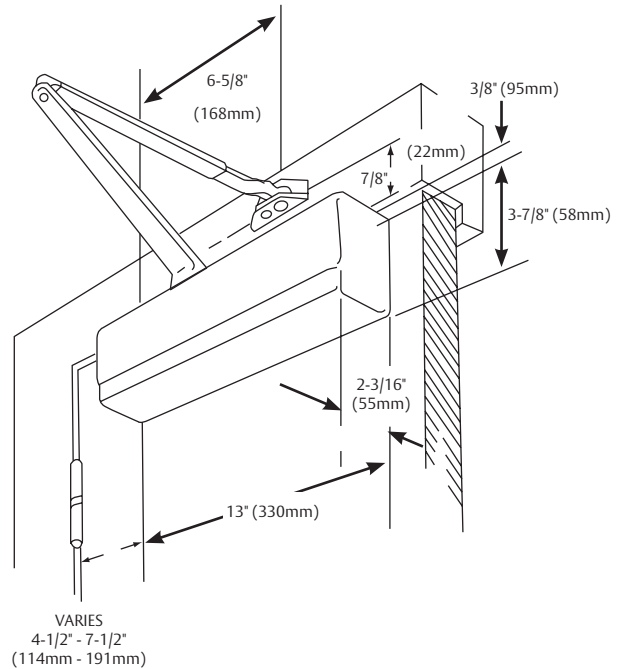
351 Series Powerglide®

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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°.

351-0 Standard Application



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351 Standard Application for:

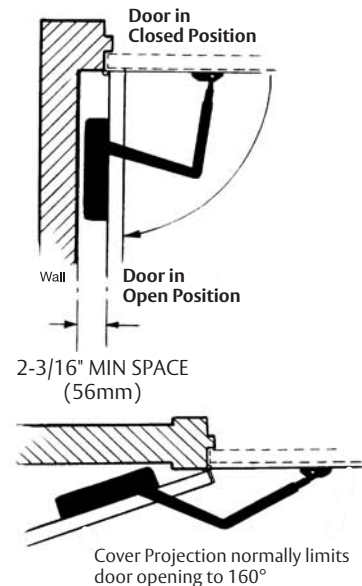
- Interior Doors Opening In or Out
- Exterior Doors Opening In
- Maximum Reveal 7/16"
- Non-hand universal body

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

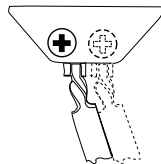


Adjustable Closing Force

- 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



Arms and Accessories for Standard Applications

351 Series Powerglide®

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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: 63-2229 - 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°



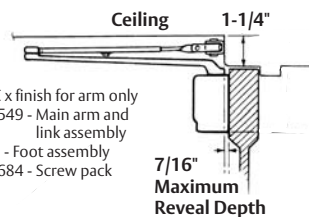
Order 25 R-H8 for right hand and 25 L-H8 for left hand x finish for arm only
Includes: 63-2289 - Left hand foot assembly
63-2290 - Right hand foot assembly
63-2229 - Main Arm and Link Assembly
63-2391 & 63-3684 - Screw packs

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

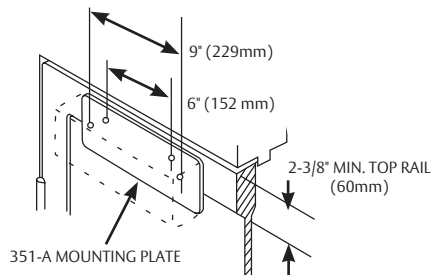


Screw packs
63-3684 &
63-2391

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

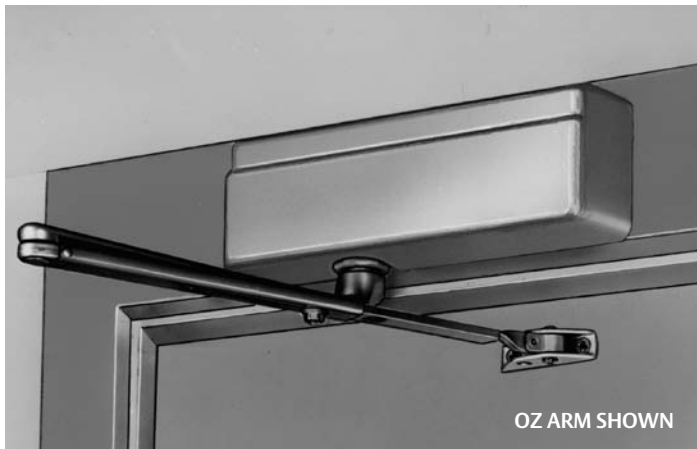
Allows an LCN 4040 closer body to be replaced with a SARGENT 351 with an O Arm without drilling new holes in door (NOTE: New holes required for arm bracket only)
Order as: 351L x finish



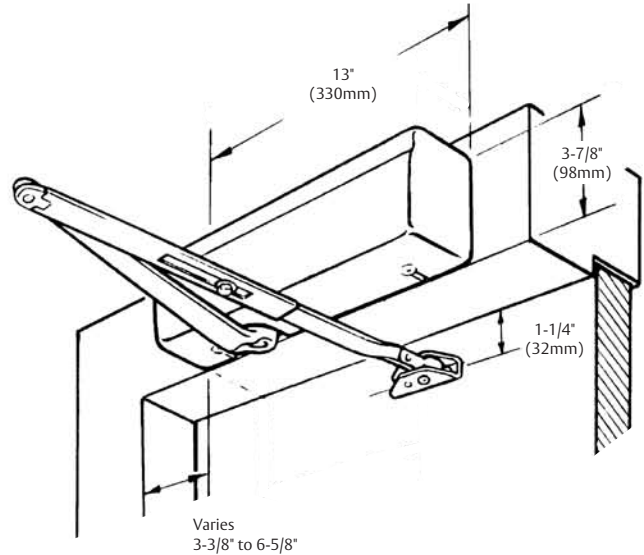
Top Jamb Applications

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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

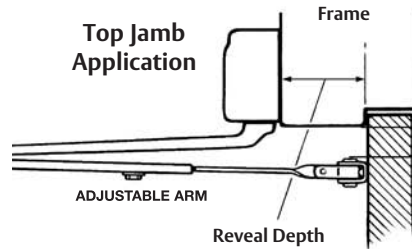
Adjustable Closing Force

- 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.

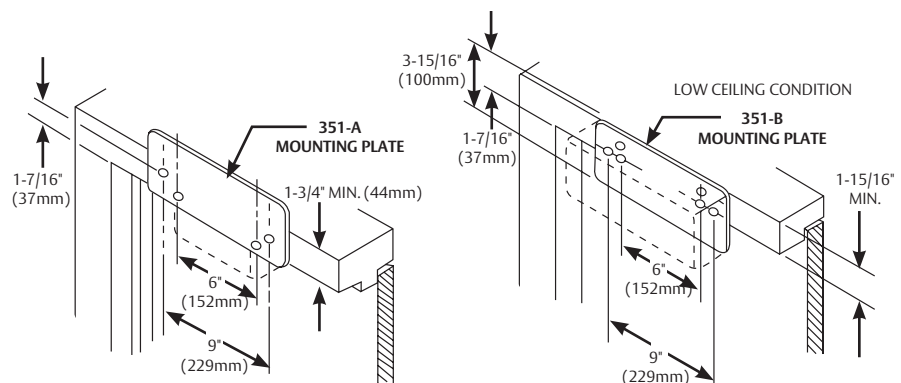
351-A Mounting Plate

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

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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: 63-2229 - 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

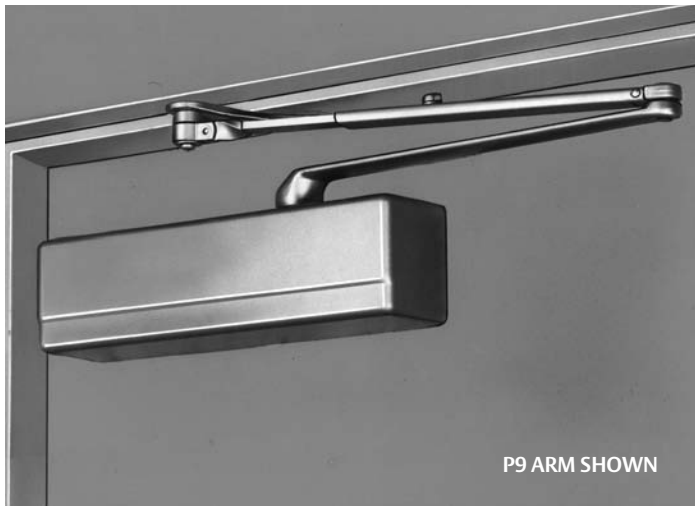
Order as 25-HZA x finish for arm only
Includes: 63-2231 - Main arm assembly
61-2303 - Foot assembly
63-3684 - Screw pack



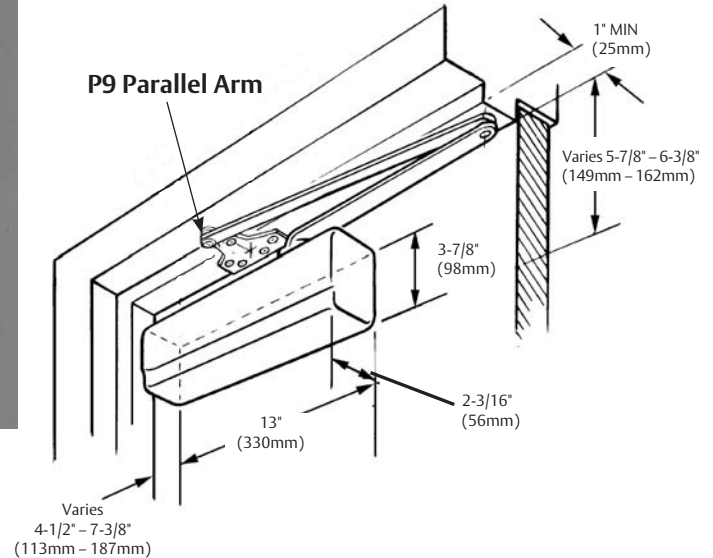
Parallel Arm Applications

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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

351 Series Powerglide®

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

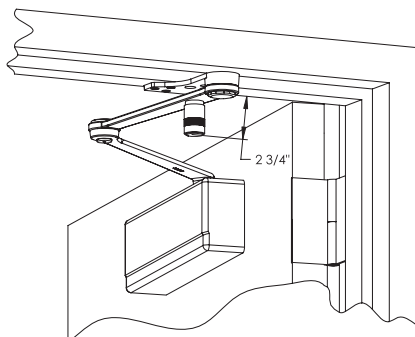
Order as 25-PSH x finish for arm only
Includes: 63-0641 - Main arm
63-3833 - PSH foot assembly
63-3684, 63-2392 & 63-2398 - Screw packs

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

Regular Duty Parallel Arms

351 Series Powerglide®

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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: 63-2229 - 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: 63-2229 - 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: 63-2295 - 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

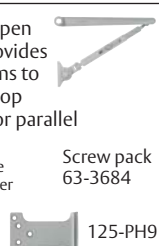
UO Package

- 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



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



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Accessories for Parallel Applications

351 Series Powerglide®

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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

- 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-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 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 P4A Arm



125-P4A Arm Conversion Unit

- Converts O or P9 arm to P4A Arm



581-1 Blade Stop Spacer Kit

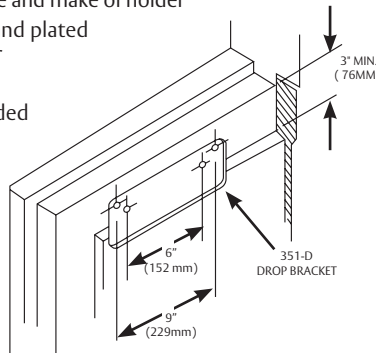
- For frames with 1/2" blade stops
- For use with P9, PH9 and PF9 arms only
- Packed with 1-1/4" long screws



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



Track Type Applications

351 Series Powerglide®

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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

Push Side Mounting (Stop Side)

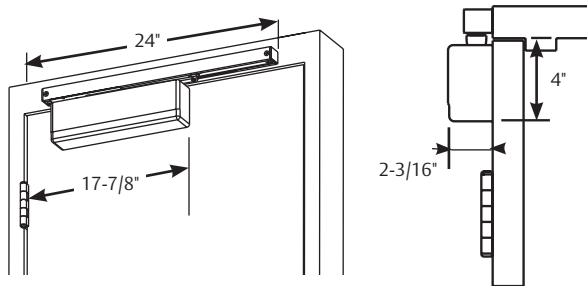


The closer is for use on interior doors opening in or out. As the door opens, the closer swings with the door. This affords a variable hold-open feature option.

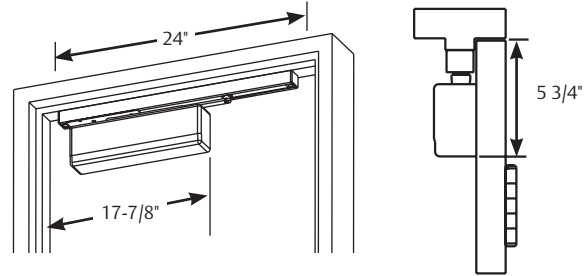
Push Side Track Application

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

Track Arm Applications



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 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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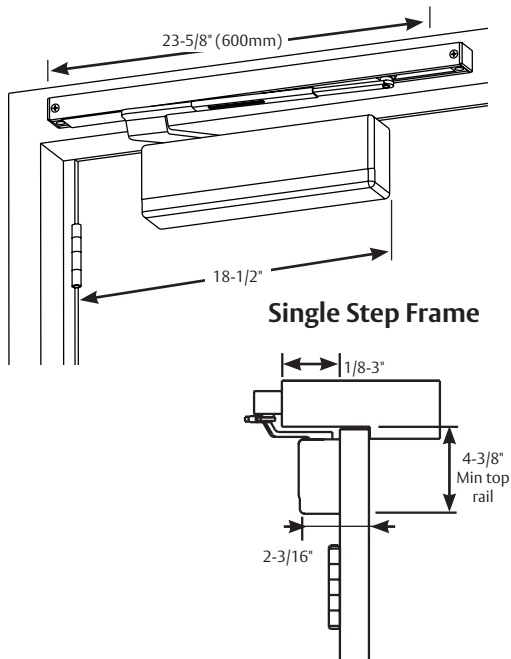
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Double Egress Applications

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ODS - Single Step Double Egress Arm



ODS Applications

- 160° maximum door opening
- 120° opening with bumper option
- Range of hold open 85°-120°
- 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

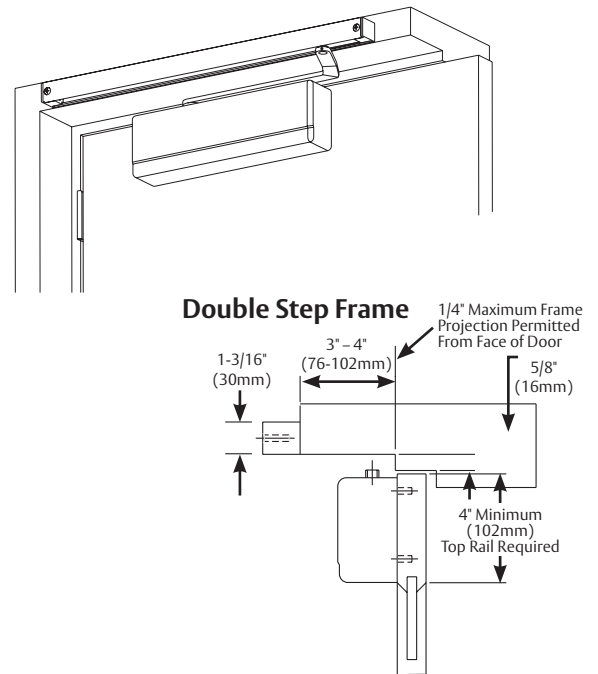
Holder (optional)

- 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

OD - Double Step Double Egress Arm



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

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

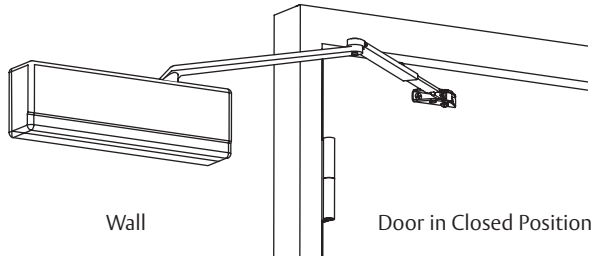
OD	Double step double egress
ODB	Double step double egress with bumper
HD	Double step double egress with holder
HDB	Double step double egress with bumper and holder
ODS	Single step double egress
ODSB	Single step double egress with bumper
HDS	Single step double egress with holder
HDSB	Single step double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

Pocket Door Applications

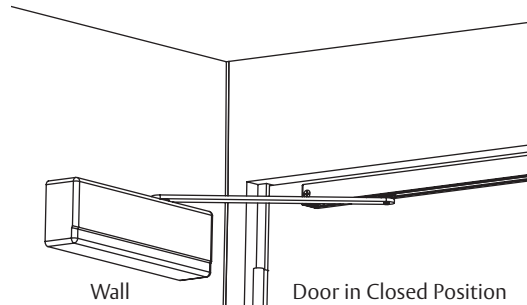
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OP - Double Lever Arm Application



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

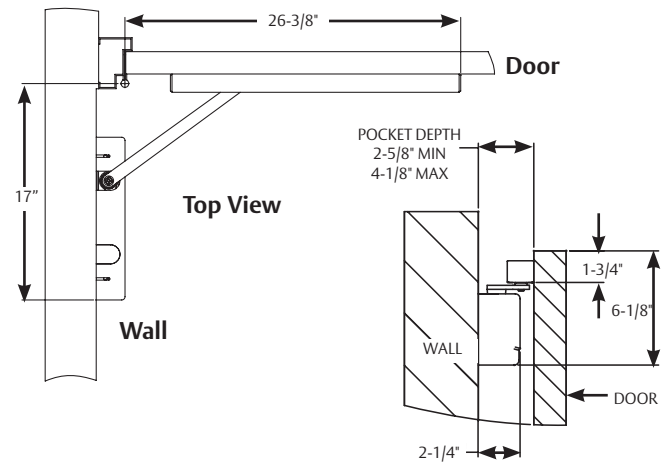
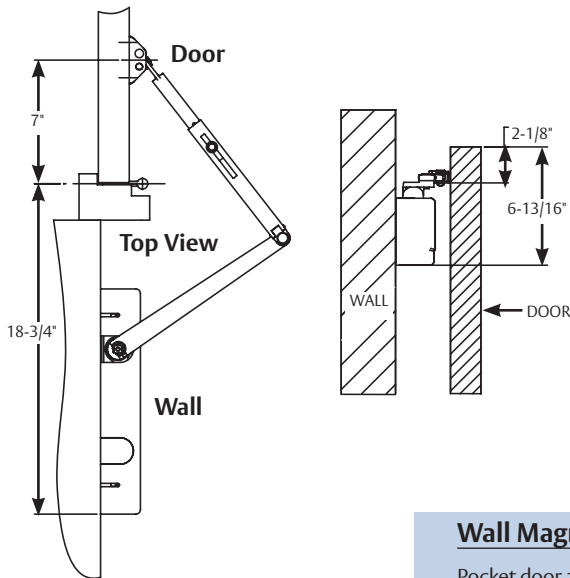
- Forged steel
- Bearing roller

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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How to Order, Options and Finishes

351 Series Powerglide®

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Packing

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

Series

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

Approx. wt per Carton

How To Order

Options	Series	Closer Arm	Finish	Hand
CPC-DA	351	P4H	26	LH
31-36-74-CPC-DA-MC-SG-SRI-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	LH RH

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
SRI-	Special Rust Inhibitor finish for powder coated finishes only (arm)
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

* These finishes are automatically provided with a metal cover

How To Order

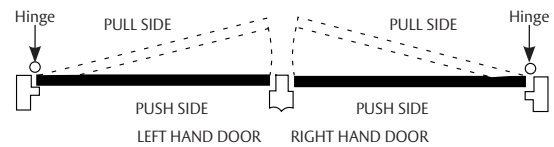
Accessories	Example
Arm Only	Specify arm required and finish 25-PSH EN
Closer Body Only	Specify: CB-351* CB-351
Arm conversion Units	Specify unit and finish 125-P4 EB
Cover Only (Standard)	351-C x finish 351-C EN
Cover Only (Metal)	351-CMC x finish and hand & arm type 351-CMC + 26D + LH + P10

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

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



Special Rust Inhibitor Process (SRI)

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

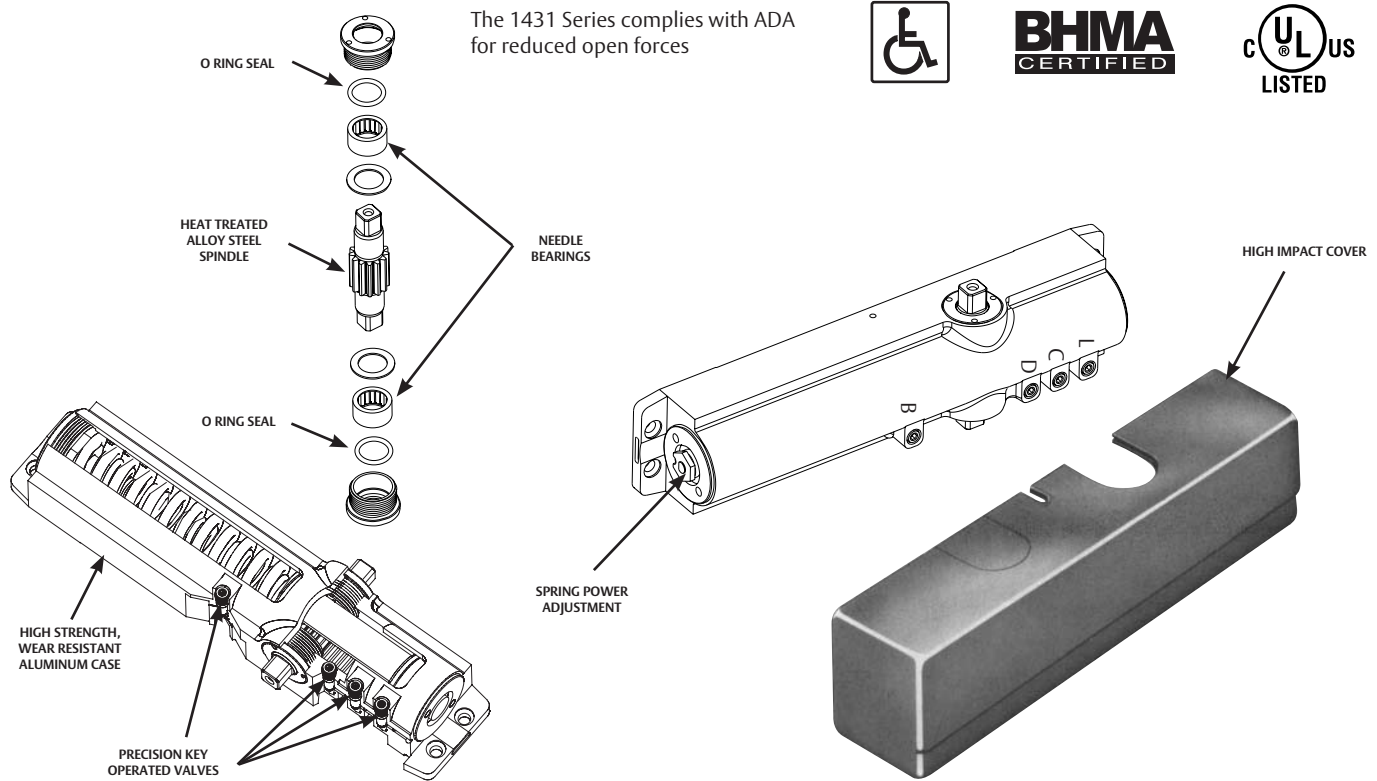
1431 Series Powerglide® Door Closer



Features and Benefits

1431 Series Powerglide®

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The 1431 Series complies with ADA for reduced open forces



BHMA
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UL US
LISTED

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Features

- Exceeds 15 Million cycles
- Certified ANSI/BHMA A156.4 Grade 1
- UL 10C listed for positive pressure fire test
- UL / cUL listed for use on fire rated doors
- 25 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

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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How to Order

1431 Series Powerglide®

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Packing

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

How To Order

Options	Series	Closer Arm	Finish	Hand
CPC-DA	1431	P4H	26	LH
31-36-74-CPC-DA-MC-SG-SRI-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	LH RH

* These finishes are automatically provided with a metal cover

How To Order

Accessories	Example	
Arm only	Specify 25-, arm required and finish	25-PSH EN
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

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

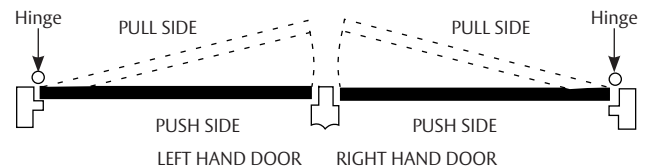
Series	Number per Carton	Approx. wt per Carton
1431	4-Standard (2 upon request)	19 lbs. per 4

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
SRI-	Special Rust Inhibitor finish for powder coated finishes only (arm)
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



Special Rust Inhibitor Process (SRI)

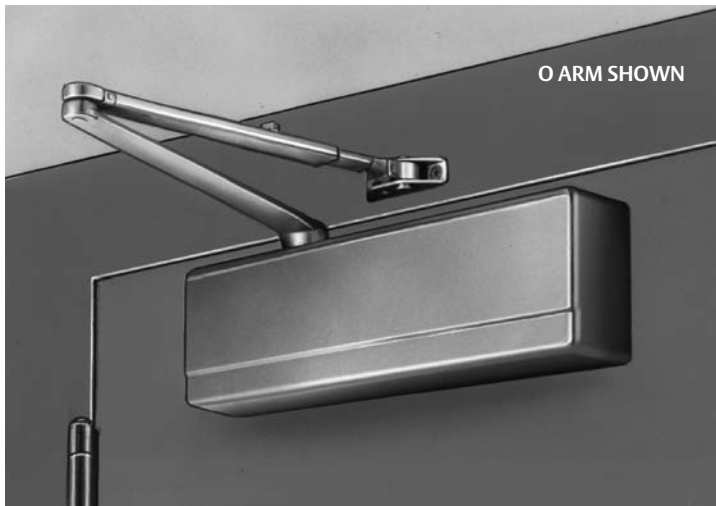
Additional process available for bracket and arms provides an extra layer of protection for extreme corrosive environments. Available with powder coated finishes only, specify SRI- as an option when ordering.

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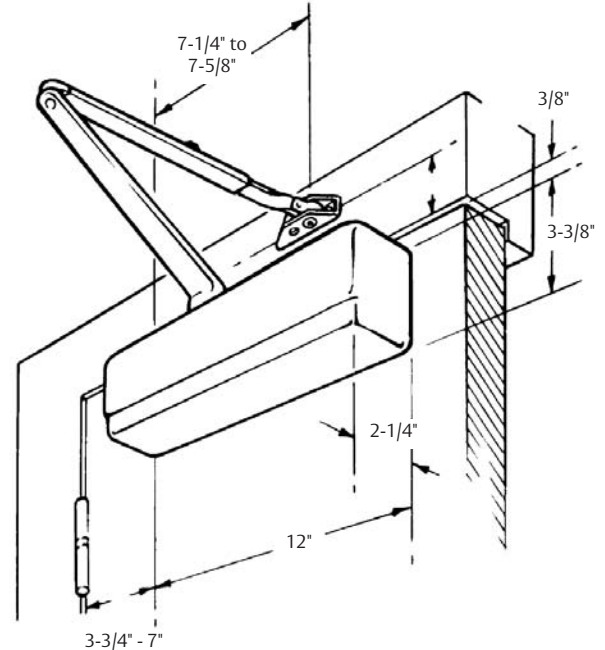
Standard Applications

1431 Series Powerglide®



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-O Standard Application



1431 Standard Application for:

- Interior Doors Opening In or Out
- Exterior Doors Opening In

1431 Standard Application Door Opening Range

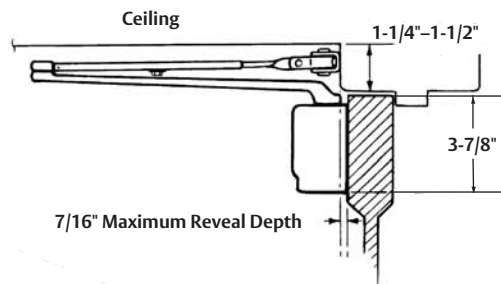
(Range based on Mounting Position)

- O & RO Standard Arms: 120°-180°
- H- Hold Open Arm: 90°-180°

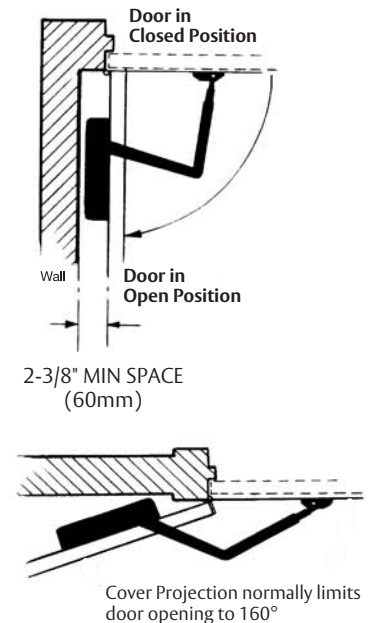
OLC - Low Ceiling Application Arm for Ceiling to Door Clearance of 1-1/4" - 1-1/2"

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



Arms and Accessories for Standard Applications

1431 Series Powerglide®

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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: 63-2229 - 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: 63-2229 - 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.

Top Jamb Applications

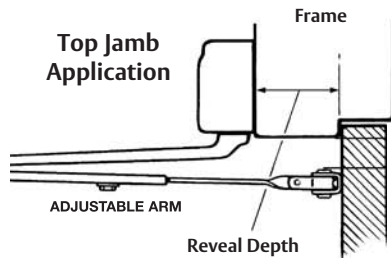
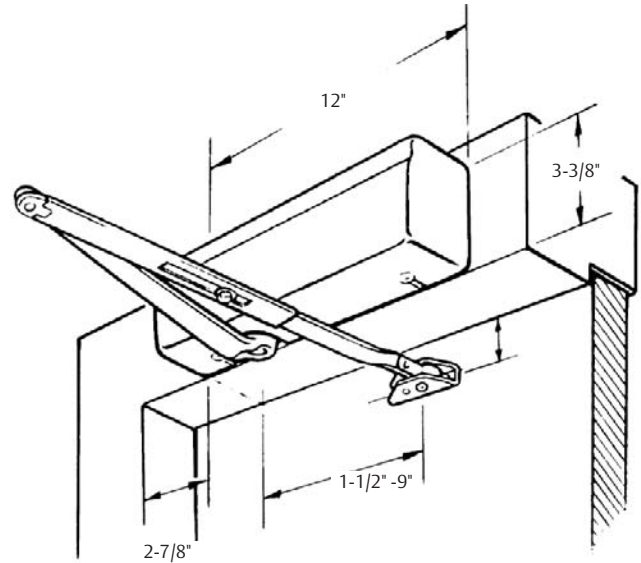
1431 Series Powerglide®



OZ ARM SHOWN

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.

1431-O Top Jamb Mounting Position



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

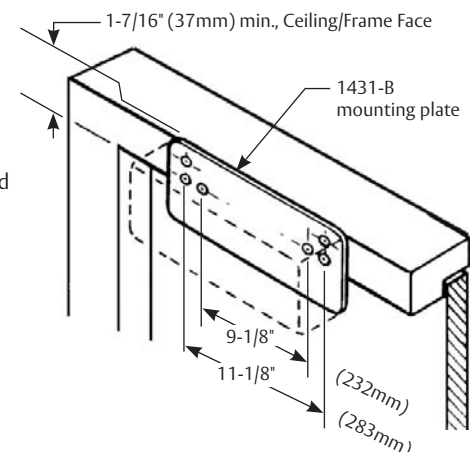
For reveals from 5-1/8" (130mm) to 8" (203mm)

- 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



Arms for Top Jamb Applications

1431 Series Powerglide®

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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:

63-2229 - 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



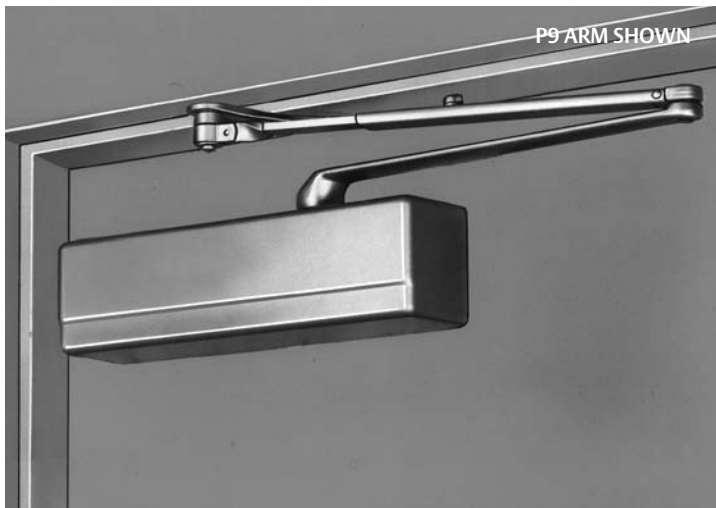
For arm only, order as 25-HZA x finish
Includes:

63-2231 - Main arm and link assembly
61-2303 - Foot assembly
64-2407 - Screw pack

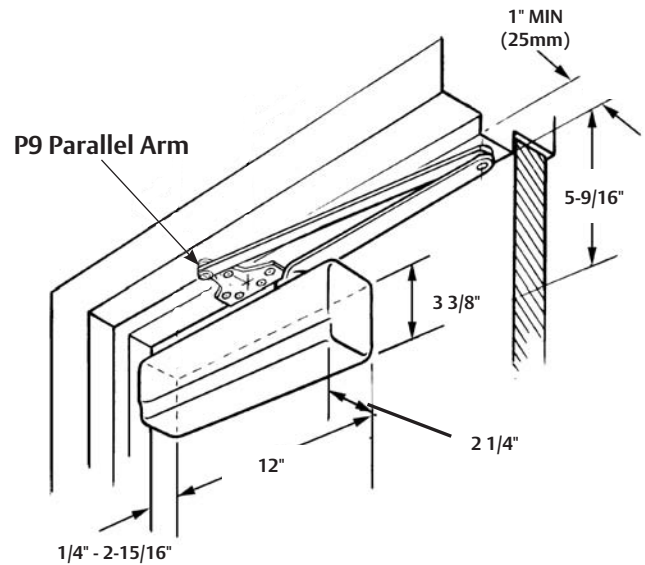
Parallel Arm Applications

1431 Series Powerglide®

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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 door 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°

Heavy Duty Parallel Arms

1431 Series Powerglide®

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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

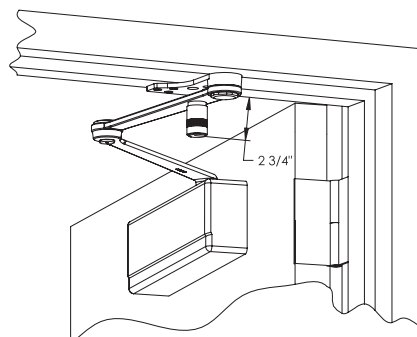
For arm only, order as 25-PSH x finish
Includes: 63-0641 - Main arm
63-3833 - Arm and bracket assembly
64-2407 & 63-2392, 63-2396 - Screw packs

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



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 angle installation
- Hold open function may be disengaged
- Hold open tension is easily adjustable

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Experience a safer and more open world

Regular Duty Parallel Arms

1431 Series Powerglide®

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: 63-2229 - 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 by wrench
- Non-handed



For arm only, order as 25-PH9 x finish
Includes: 63-2229 - 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

- 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

- 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



Accessories for Parallel Applications

1431 Series Powerglide®

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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



125-V

- 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-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 P4A 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

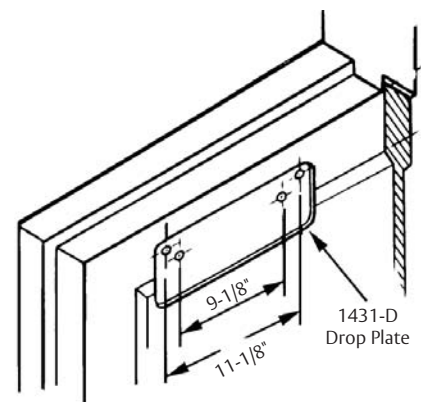


- Can be used to improve appearance when narrow door rail permits closer to be viewed through glass panel

1431 Drop Plate



- Required for parallel arm applications with top rails less than 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



585 Retrofit Kits

The 585 kit allows easy upgrade from existing 1230/1231 Series to the 1431 Series. Kit includes closer, full cover, and fasteners.

585-2 Replaces 1230/1231

585-4 Replaces 1230 DA/1231 DA

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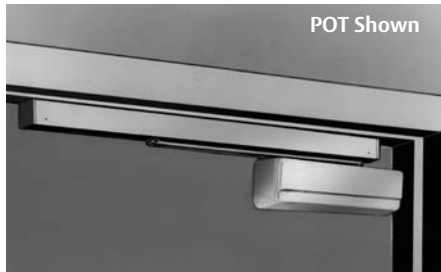
Track Type Applications

1431 Series Powerglide®

Pull Side Mounting (Hinge Side)



Push Side Mounting (Stop Side)



OD Double Egress Arm



- 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

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

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

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

Swing Door ASSA ABLOY SW200i™

ASSA ABLOY

ASSA ABLOY Entrance Systems

The global leader in
door opening solutions

Intelligent Innovation



The simple solution to all swing door challenges

If you design or manage facilities with automatic swing doors, you know there are several issues to address. Closing against wind conditions, encountering interior stack pressure, meeting low energy manual push forces, functioning to pedestrian codes or overcoming latch hardware all represent challenging conditions where swing door operators must adapt and perform.



By creating a single operator with flexibility to perform well in varying environments and conditions, ASSA ABLOY Entrance Systems made the specification, design, and selection process significantly easier. And because

the ASSA ABLOY SW200i delivers proven performance for a number of different configurations, it provides facilities with more solutions and even greater flexibility.

AIR PRESSURE MANAGEMENT

Stack Pressure Compensation
Intelligent Trajectory Control
Extended Closing Torque (ECT)

ENERGY EFFICIENT

Separate Time Delay
Power Surge Protection
Brown Out Performance

Children's Sleep Center • EEG Lab
Centro de Sueño para Niños • Laboratorio de Electroencefalografía

SECURE LATCH

Latch Retry
Electric Lock Management
Security Integration
Astragal Coordination

EASY OPEN

Manual Push Forces
of 5–15 lbf
Power Assist

MAXIMUM STRENGTH

700 Pounds Max Door Weight

Proven performance in the most demanding environments

AIR PRESSURE MANAGEMENT

Stack Pressure Compensation

Allows for door to adjust to changes in variable pressures by utilizing the ASSA ABLOY SW200i exclusive Intelligent Trajectory Control and Extended Closing Torque (ECT).

Intelligent Trajectory Control

The ASSA ABLOY SW200i knows where the door should be at all times and adjusts torque accordingly through dynamic braking which helps cushion the door during the opening or closing cycles.

Extended Closing Torque (ECT)

The last 10 degrees of the closing cycle is the most challenging for a swing door operator, ASSA ABLOY's exclusive Extended Closing Torque (ECT) functionality provides extra torque, if needed, to close and latch the door. Speed remains constant so the door stays within ANSI standards.

EASY OPEN

Manual Push Forces of 5-15 lbf

Easy to push open manually, yet strong enough to close and latch despite wind or air pressure.

Power Assist

Makes a heavy door (or spring) feel light.

MAXIMUM STRENGTH

700 Pounds Max Door Weight

The ASSA ABLOY SW200i can handle door weights of up to 700 pounds per operator.

SECURE LATCH

Latch Retry

If the door does not latch when closing, the ASSA ABLOY SW200i will detect this condition and immediately open the door to 10 degrees and execute two attempts to latch the door.

Electric Lock Management

Features latch retry and electric lock management that momentarily reverses the closed door before opening to insure lock release. Monitors locks if equipped with that functionality.

Security Integration

The ASSA ABLOY SW200i operator knows when the door is closed and can provide a signal for security monitoring.

Astragal Coordination

On-board electronic coordinator controls that doors always close in right order and can therefore be properly locked. Coordinator allows door with astragal to open first, close last. If in hold open, door without astragal will not pass door with astragal.



Fits where you need it

FLEXIBILITY AND VALUE

On-Board Functionality

The ASSA ABLOY SW200i has on-board capabilities such as timing sequencing, transformer, astragal coordination and Extended Closing Torque (ECT).

Adaptable for Multiple Uses

One operator can handle all your facility needs – wind conditions, pedestrian usage, low energy, manual use, etc.

Battery Back-up

The optional battery back-up system allows for continued operation after power fails.

ENERGY EFFICIENT

Separate Time Delay

The ASSA ABLOY SW200i includes two time delays for separate devices (i.e., standard activation, key activation). If a device is located further than another, separate opening/closing times can be set to best maximize operation, enhance security and reduce air infiltration.

Power Surge Protection

The ASSA ABLOY SW200i operator can handle variances in power without damage to the unit or impact to performance.

Brown Out Performance

The operator can adjust to dips in power and continue to operate from 85V – 264V.

Low Energy Consumption

Four operators can run on one 20 amp line – saving you energy.

Directional Sensors

Units equipped with directional sensors reduce air infiltration by allowing less time with the door open.

SERVICE SAVINGS

Adapting to Changing Needs

Air flow can change in a building as configurations evolve (new doorways, rooms, HVAC systems, etc.). Other operators can change performance in these situations and require a service call for adjustment. The ASSA ABLOY SW200i adapts to changing environments, thereby saving you the cost of service calls for these necessary adjustments.

Non-volatile Memory

When the power goes out, other operators can go through a relearn mode. The ASSA ABLOY SW200i retains its memory even after a power loss, providing you with more consistent performance and consistent opening and closing.

Fuseless Technology

No fuses to replace allows for consistent performance and reduces service call requirements and costs.

A clear advantage over the competition


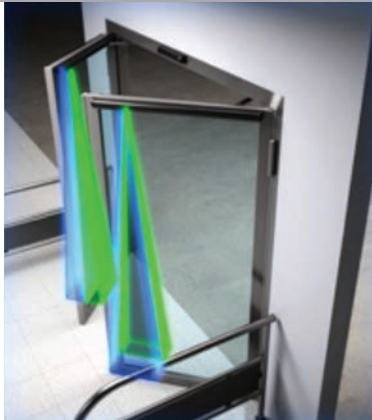
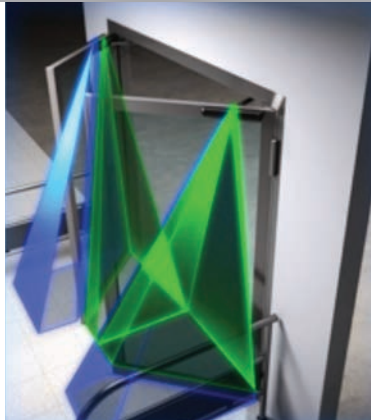
Attribute	ASSA ABLOY SW200i	Others
MAX WEIGHT OF DOOR	700 lbs	200-350 lbs
MANUAL PUSH FORCES OF 5 TO 15 LBF	•	
AUTOMATICALLY COMPENSATES FOR STACK PRESSURE	•	
ON-BOARD EXTENDED CLOSING TORQUE (ECT)	•	
ON-BOARD TRANSFORMER	•	
ON-BOARD TIMING SEQUENCER	•	
AUTOMATICALLY MEASURES INERTIA AND WEIGHT OF DOOR DURING SET-UP	•	

A full line of sensor solutions

Swing doors complying with pedestrian standards have varying needs and requirements. When complying with ANSI A156.10 standard for power operated pedestrian doors, the ASSA ABLOY SW200i is available with three ASSA ABLOY i-Adapt sensor packages. Choose the package that's right for you.

ASSA ABLOY SW200i i-Adapt Sensor Systems

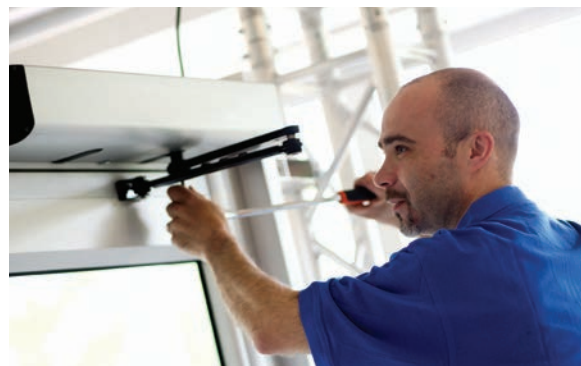
Offering three levels of coverage to exceed ANSI A156.10*

I-ADAPT FLEX 101	I-ADAPT FLEX 102	I-ADAPT PREMIUM 202
		
<p>Door mounted presence sensor (swing side)</p> <p>Overhead presence sensor</p>	<p>Door mounted presence sensor (swing & approach side)</p> <p>Overhead presence sensor</p>	<p>Door mounted presence sensor with adaptive field (swing & approach side)</p>

*Activation devices available separately

Keeping your entrances up-to-date

To meet evolving safety standards and keep your equipment operating in top condition, there's no better partner than ASSA ABLOY Entrance Systems. Our swing door operators are backed by comprehensive service and expert technicians. With a carefully selected stock of service parts, our certified technicians can maintain, service and upgrade not only ASSA ABLOY equipment, but all brands. They can be counted on for expert advice and quick dispatch in the event of an emergency...24/7.



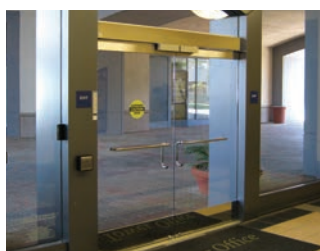
Flexible configurations for any application

The ASSA ABLOY SW200i is available in a variety of configurations, sizes and finishes to suit the requirements of any project. Consult with an ASSA ABLOY Entrance Systems automatic door specialist to determine the best equipment, configuration, and layout to help you achieve code compliance, maximize energy efficiency and optimize traffic flow.



Surface Mount

The ASSA ABLOY SW200i in surface mount configuration is ideal for new construction or retrofit applications...easily transforming your existing manual doors to automatic door convenience. Featuring advanced technology such as stack pressure compensation, compliance with both ANSI A156.10 and A156.19, secure latching and easy to use manual push forces, it's the only swing door operator you need.



Overhead Concealed

The ASSA ABLOY SW200i-OHC provides an aesthetically pleasing solution that is attractive and incomparably strong. The intelligent door operator features advanced technology that ensures smooth, gentle operation across a wide range of conditions.



Overhead Concealed with Door Package

The ASSA ABLOY SW200i-OHC with door package provides the convenience of an aluminum door package powered by the innovative features of the ASSA ABLOY SW200i operator. Aesthetics, strength and flexibility make this an ideal door package for many needs.



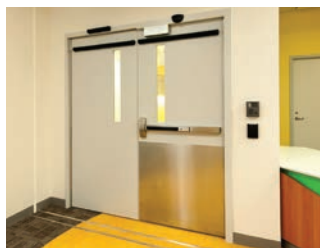
In Ground

The ASSA ABLOY SW200i-IG provides reliable in ground mounting provided as a complete system: the powerful ASSA ABLOY SW200i operator, moisture resistant enclosure and adaptability to multiple arm systems to provide you with the utmost in flexibility.



Pro-Active Care Service

Keep your doors at optimal performance levels with ASSA ABLOY Entrance Systems Pro-Active Care Service. We offer upgrades and modernization of existing swing equipment to ASSA ABLOY SW200i performance.



Application Expertise

Code compliance, sensor selection, access control integration...consult the experts at ASSA ABLOY Entrance Systems to help you design or configure your entrance or corridor to your specific needs.

ASSA ABLOY Entrance Systems is a leading supplier of entrance automation solutions for efficient flow of goods and people. Building on the long-term success of the Besam, Albany and Megadoor brands, we offer our solutions under the ASSA ABLOY brand. Our products and services are dedicated to satisfying end-user needs for safe, secure, convenient and sustainable operations. ASSA ABLOY Entrance Systems is a division within ASSA ABLOY.

ASSA ABLOY

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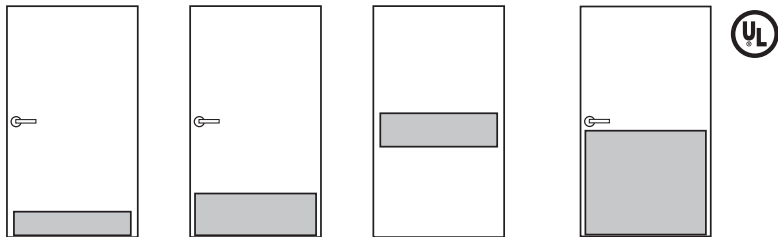
ASSA ABLOY Entrance Systems

Tel: 1-866-237-2687 (US) • 1-888-608-9242 (Canada)
info-automatic.na.entrance@assaabloy.com
assaabloyentrance.us • assaabloyentrance.ca

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Please enter ASSA ABLOY Entrance in the channel's search field.



Mop Plate
Up to 6" h x 48" w

Kick Plate
6" to 12" h x 48" w

Stretcher Plate
6" to 12" h and up
to 48" w

Armor Plate
Up to 48" h x 48" w and
available in most finishes



Width of Plates:

Push Side: 2" less than door width.

Pull Side: 1½" less than door width.

NFPA 80 STANDARDS — 2-4.5 Protection Plates:

Factory-installed protection plates shall be installed in accordance with the listing of the door. Field-installed protection plates shall be labeled and installed in accordance with their listing.

Exception: Labeling is not required where the top of the protection plate is not more than 16" (406 mm) above the bottom of the door.

OPTIONAL Self-Drilling TEK Screws: Cuts door plate installation time in half.

Metal Door Plate – Economy Duty No. K1038

Material: .038" aluminum, stainless steel

Finishes: US32D

Fastener: #6 x 5/8" OH SMS

Ordering: Specify height x width x finish code. Add any options

Weight: 8" x 34" = 3.2 lbs

- Options:**
- SA – self-adhesive mounting
 - TORX – security Torx screws
 - TEK – self-drilling screws
 - Cutouts for locks, louvers, or windows (see worksheets on pages C14-C15 for details on how to order)

Metal Door Plate - Standard Duty No. K1050

Material: .050" Stainless Steel

Finishes: US32D

Fastener: #6 x 5/8" OH SMS

Ordering: **Size** **High** **Width**

8x34BEV.32D 8" 34"

10x34BEV.32D 10" 34"

34x34BEV.32D 34" 34"

- Options:**
- Beveled Edge and Counter Sink included
 - One day shipping available
 - Door markings are not available on quick ship

Metal Door Plate – Standard Duty No. K1050, K1050F

Material: .050" aluminum, brass, bronze, stainless steel

Finishes: US10BE, US32D, US32DMS

Fastener: #6 x 5/8" OH SMS

Ordering: Specify height x width x finish code. Add any options

Weight: 8" x 34" = 4.0 lbs

ANSI: J101 - metal armor plate, J102 - metal kick plate, J103 - metal stretcher & mop plate

- Options:**
- SA – self-adhesive mounting
 - TEK – self-drilling screws
 - Beveled 3 or 4 edges, specify B3E or B4E
 - Cutouts for locks, louvers, or windows (see worksheets on pages C14-C15 for details on how to order)
 - Heavy bevel available, specify HVBEV
 - Screw mounting (K1050F) and UL listed for use on 90-minute label wood doors and 3-hour label metal doors
 - CSK – countersunk holes
 - TORX – security Torx screws



Windstorm Plate – K1050WS

Material: .050" Aluminium, Brass, Bronze, Stainless Steel

Finishes: Standard Architectural Finishes

Fastener: #10x5/8" Pan Head Tek Screws

Ordering: Part # when ordering is K1050WS

All plates are UL and Windstorm rated

- Options:**
- Cutouts for locks, louvers or windows
 - Rounded Corners
 - Heavy Bevel
 - Screw Mount only



Certified to the below standards:

- ICC-500 (2014)

- FEMA Guideline 320 (2014)

- FEMA Guideline 361 (2015)

Part of windstorm assembly cards: ZHLA.45, ZHLA.46, ZHLA.47, ZHLA.51, ZHLA.53, ZHLA.54

800-458-2424 | www.assaabloydooraccessories.us

Check the web site for the up-to-date catalog

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ASSA ABLOY
Opening Solutions

Experience a safer
and more open world



Solid Cast Wall Stops No. 400, 401, 402

Material: Cast brass with DuraFlex bumper

Finishes: Available in standard architectural finishes (see page 9)

Features: Concealed mounting, convex bumper. Back plate prevents damage to wall

No.	Bumper	Fastener	Size	Projection	Weight	ANSI A156.16
400	Convex	#6 x 1 1/2" FH SMS, plastic toggle	2 7/16" dia.	1"	3.3 lbs./10	L02101
401	Convex	#8 x 1" RH WS, plastic anchor	2 7/16" dia.	1"	3.3 lbs./10	L02101
402	Convex	#8 - 32 x 1" TH MS, lead anchor	2 7/16" dia.	1"	3.3 lbs./10	L02101



Solid Cast Wall Stops No. 403, 404, 405

Material: Cast brass with DuraFlex bumper

Finishes: Available in standard architectural finishes (see page 9)

Features: Concealed mounting, concave bumper. Back plate prevents damage to wall

No.	Bumper	Fastener	Size	Projection	Weight	ANSI A156.16
403	Concave	#6 - 1 1/2" FH SMS, plastic toggle	2 7/16" dia.	1"	3.3 lbs./10	L02251
404	Concave	#8 x 1" RH WS, plastic anchor	2 7/16" dia.	1"	3.3 lbs./10	L02251
405	Concave	#8 - 32 x 1" TH MS, lead anchor	2 7/16" dia.	1"	3.3 lbs./10	L02251



Wrought Wall Stops No. 406

Material: Wrought brass, bronze, and stainless steel with DuraFlex bumper

Finishes: Available in standard architectural finishes (see page 9)

Features:

- Concealed mounting, convex bumper. Back plate prevents damage to wall
- Accepted by the New York State Office of Mental Health (OMH) for use in high risk areas

No.	Bumper	Fastener	Size	Projection	Weight	ANSI A156.16
406	Convex	#8 x 1 1/4" TH SMS, plastic toggle	2 1/2" dia.	3/4"	1.8 lbs./10	L02101



Wrought Wall Stops No. 409

Material: Wrought brass, bronze, and stainless steel with DuraFlex bumper

Finishes: Available in standard architectural finishes (see page 9)

Features:

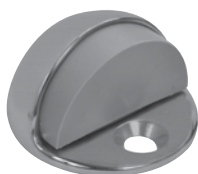
- Concealed mounting, concave bumper. Back plate prevents damage to wall
- Accepted by the New York State Office of Mental Health (OMH) for use in high risk area

Options: DuraFlex bumper available in standard gray or optional black

No.	Bumper	Fastener	Size	Projection	Weight	ANSI A156.16
409	Concave	#8 x 1 1/4" TH SMS, plastic toggle	2 1/2" dia.	3/4"	1.8 lbs./10	L02251

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Light Duty Low Dome Floor Stop No. 438

- Material:** Cast with rubber bumper
Finishes: US26D or US10B only
Features: For doors without thresholds (not undercut)

No.	Fastener	Base	Height	Weight	ANSI A156.16
438	plastic anchor and one screw	1/8" h x 1 11/16" dia.	1"	1 lb./10	L02141



Light Duty High Dome Floor Stop No. 439

- Material:** Cast with rubber bumper
Finishes: US26D or US10B only
Features: For doors with thresholds or undercut doors

No.	Fastener	Base	Height	Weight	ANSI A156.16
439	plastic anchor and one screw	3/8" h x 1 3/4" dia.	1 1/4"	1.5 lbs./10	L02141



Low Dome Stops No. 440, 441

- Material:** Solid cast brass with DuraFlex bumper
Finishes: Available in standard architectural finishes (see page 9)
Other: No. 441 is packed with both WS and MS fasteners
Features: For doors without thresholds (not undercut).
Options: Exterior pack screw packs, stainless steel plated to match — use EXP suffix (440 x EXP) when ordering.

No.	Fastener	Base	Height	Weight	ANSI A156.16
440	#12 x 1 1/4" FH WS, plastic anchor	1/4" h x 1 7/8" dia.	1 1/8"	2.1 lbs./10	L02141
441	#12 x 1 1/2" FH WS, plastic anchor; #12 - 24 x 1" FH MS, lead anchor	1/4" h x 1 7/8" dia.	1 1/8"	2.5 lbs./10	L02141



Dome Stop Combination Unit No. 441CU

- Material:** Solid cast brass with DuraFlex bumper
Finishes: Available in standard architectural finishes (see page 9)
Other: Set consists of 1 each No. 441 and 1 each No. 444. For use at doors with or without a threshold
Features: Convertible for undercut or not undercut doors
Options: Exterior pack screw packs, stainless steel plated to match — use EXP suffix (441CU x EXP) when ordering

No.	Fastener	Base	Height	Weight	ANSI A156.16
441CU	#12 x 1 1/2" FH WS, plastic anchor; #12 - 24 x 1 1/2" FH MS, lead anchor	Dome stop: 1/4" h x 1 7/8" dia. Riser: 3/8" h x 2" dia.	1 1/8" or 1 1/2"	3 lbs./10	L02141/ L02161
444	Cast riser only	3/8" h x 1 7/8" dia.	3/8"	10 ozs./10	L02141

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Electromagnetic Door Holder/Releases



RIXSON
ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions

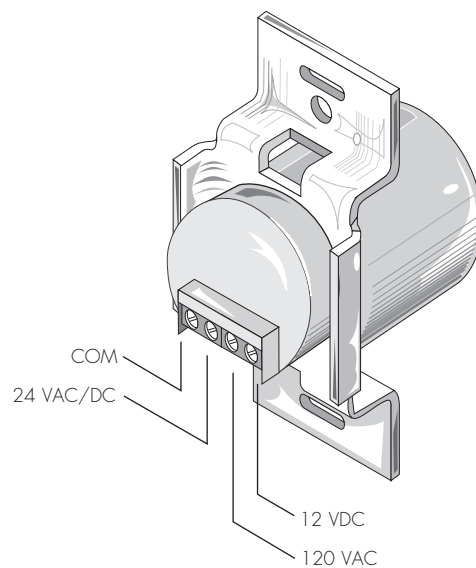
GENERAL INFORMATION

Electromagnetic door holder/releases are designed for virtually any remote door release applications. They must be used in conjunction with closing devices.

- Fire/smoke barrier doors
 - Door releases when tripped by an alarm or smoke detector
- Private offices
 - Door releases when triggered by a remote switch
- All devices come with a wall/floor portion and a door portion (armature)
- Circuit normally closed
- Door portions have screws and plates to accommodate surface and concealed mounting

Features

- 25 to 40 pounds holding power, except where noted
- Fail-safe operation; power failure releases door to close
- Positive release button initiates closing motion
- Tri-volt coils on most models see [table 1](#)
- Spotting template included
- For stronger holding forces (50-55 lbs.) specify model and voltage. Not available in tri-volt coils



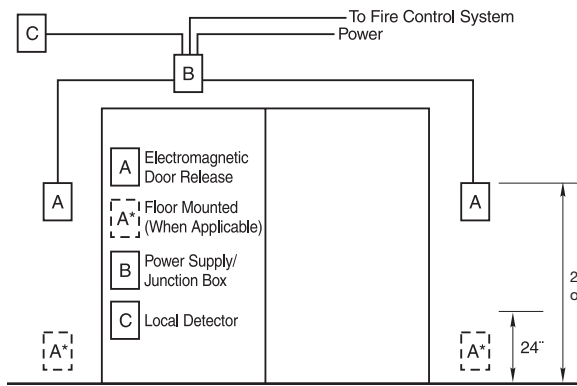
CERTIFICATIONS

- Compliant with ANSI/BHMA A156.15 Standards. See individual products for sub sections
- UL/ULC listed
- Listed by California State Fire Marshal

SPECIFICATIONS

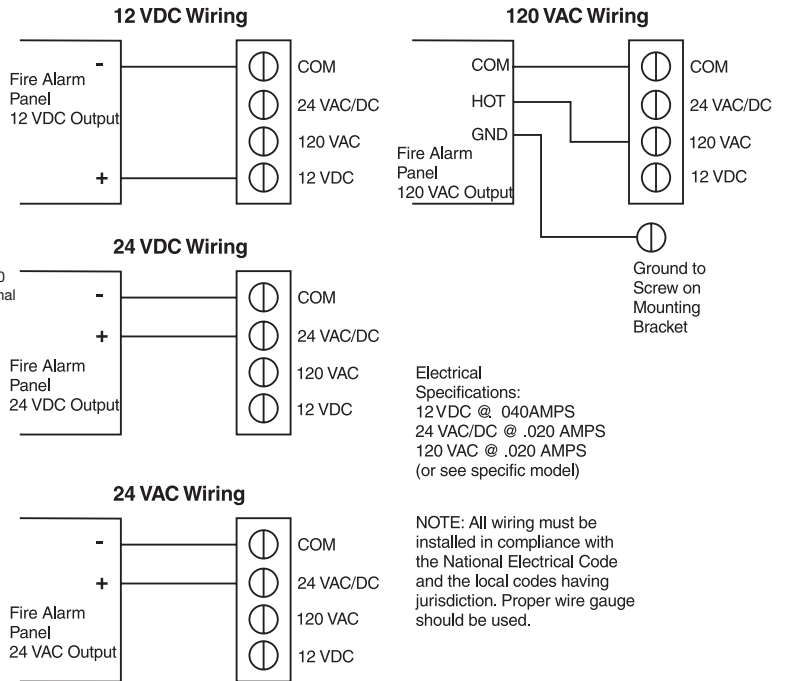
All electromagnetic door holder/releases shall be supplied by architectural hardware supplier. All units shall have a single coil to accommodate 12VDC, 24VAC, 24VDC and 120VAC. The coils shall be independently wound, employing a fuse. Armatures will have positive release button.

SCHEMATICS



Operation Narrative

Doors are to be normally held open. The electromagnetic door releases will be energized with the voltage shown (at right) in the hardware set for this opening. Power shall be controlled by the fire control system. It will interrupt the power if alarmed, causing the doors to be released, thus allowing the door closers to close the doors. When power is restored the magnets will re-energize, permitting the doors to be manually returned to their held open position.



ACCESSORIES

1-1/2 (38mm)

Base Unit Armature Extension Mounts between armature and contact plate.
Part# 900
Cannot be used with model 994M

Spacer lengths - must be used with 900 base

900-700	For dimensions, see chart below	900-75
900-600		900-50
900-500		900-50
900-400		
900-300		
900-200		
900-100		

1-1/2 (38)

Armature Extension 90° Bend
Part# 900-Z
Must be used with 900 base unit. Those two pieces will extend armature 3" longer than the contact plate.

1-1/2" (38mm) Extension (for use only with Models 997M, 998M & 994M) Mounts behind wall cover.

XK996M
Part# 996631M-*

1-1/8 (29mm)

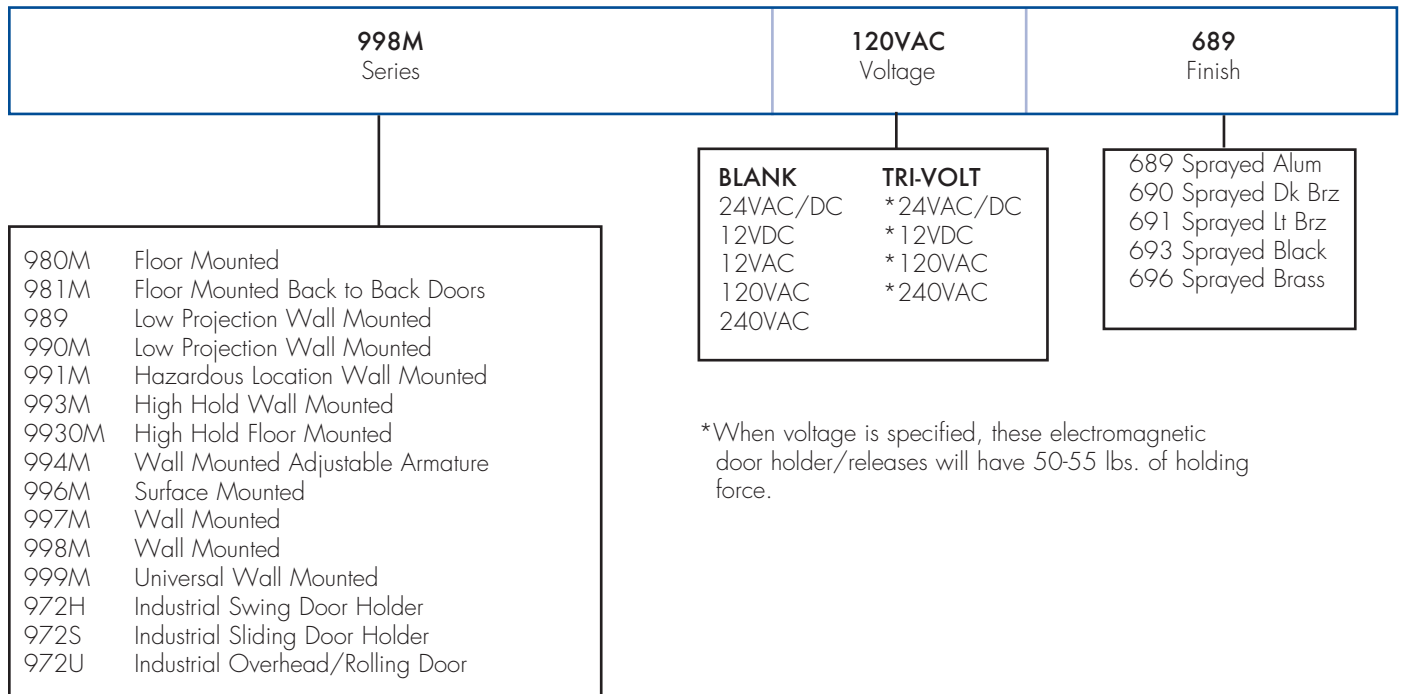
994M Swivel Armature (cannot be used with extension spacers)
Part# 900-3

Extension pieces must be used in conjunction with 900 Base Unit

Part# 900-700 = 7"
Part #900-600 = 6"
Part# 900-500 = 5"
Part# 900-400 = 4"
Part# 900-300 = 3"
Part# 900-200 = 2"
Part# 900-100 = 1"
Part# 900-75 = 3/4"
Part# 900-50 = 1/2"

ELECTROMAGNETIC DOOR HOLDER/RELEASES

HOW TO ORDER



ELECTROMAGNETIC DOOR HOLDER/RELEASES WALL MOUNTED

MODEL 997M

Application

- Wall mount
- Concealed wiring
- Shipping weight: 2 lbs. (0.9 kg)

Features

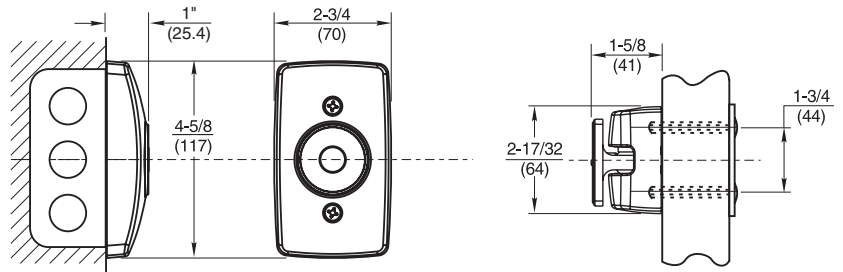
- Total projection: 2-5/8" (67mm)
- Mounting requirements: 2" x 4" x 1-3/4" (51 x 102 x 45mm) outlet box
- Wall must be properly reinforced and outlet box adequately fastened
- 2 year limited warranty

Compliance

- ANSI/C00011

Electrical Data

- Voltage and current:
 - 120VAC, 60Hz., .020 amp
 - 24VAC/DC, 60Hz., .020 amp
 - 12VDC, .040 amp
- For 50-55 lbs. of holding force, specify voltage
 - 120VAC, 60Hz .017 amp
 - 24VAC, 60Hz .080 amp
 - 24VDC, .068amp
 - 12VDC, .180amp
 - 240VAC, 50/60Hz. .009 amp



MODEL 998M

Application

- Wall mount
- Concealed wiring
- Shipping weight: 2-1/2 lbs. (1.1 kg)

Features

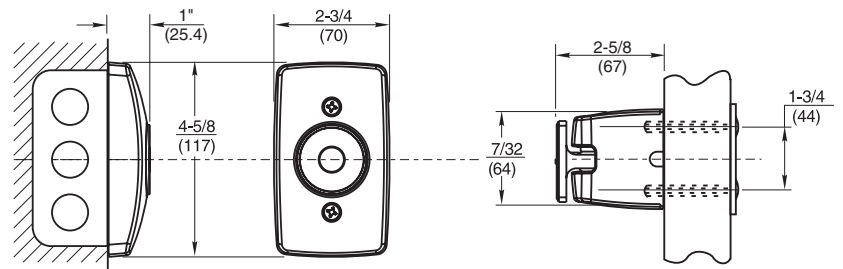
- Total projection: 3-5/8" (92mm)
- Mounting requirements: 2" x 4" x 1-3/4" (51 x 102 x 45mm) outlet box
- Wall must be properly reinforced and outlet box adequately fastened
- 2 year limited warranty

Compliance

- ANSI/C00011

Electrical Data

- Voltage and current:
 - 120VAC, 60Hz., .020 amp
 - 24VAC/DC, 60Hz., .020 amp
 - 12VDC, .040 amp
- For 50-55 lbs. of holding force, specify voltage
 - 120VAC, 60Hz .017 amp
 - 24VAC, 60Hz .080 amp
 - 24VDC, .068amp
 - 12VDC, .180amp
 - 240VAC, 50/60Hz. .009 amp





Heavy Duty Door Stop No. 466

- Material:** Flame resistant molded rubber bumper
- Finishes:** Black
- Mounting:** Drill 1" dia. x 2 1/2" deep hole, fill with anchoring grout
- Features:**
- Ideal for use in high vandalism or security areas
 - No exposed fasteners

No.	Diameter	Height	Mounting Bolt	Weight
466	2" dia.	x 1 1/2" h	5/8" x 2 1/2"	0.6 lbs.



Heavy Duty Door Stop No. 467

- Material:** Flame resistant molded rubber bumper
- Finishes:** Black
- Mounting:** Drill 1" dia. x 2 1/2" deep hole, fill with anchoring grout
- Features:**
- Suitable for concrete floor or wall mounting
 - Ideal for use in high vandalism or security areas
 - No exposed fasteners
 - Accepted by the New York State Office of Mental Health (OMH) for use in high risk areas

No.	Diameter	Height	Mounting Bolt	Weight
467	2" dia.	x 3 1/2" h	5/8" x 2 1/2"	0.9 lbs.



Heavy Duty Door Stop No. 468

- Material:** Wrought stainless steel and black rubber bumper
- Finishes:** US32D
- Mounting:** Drill 1 1/2" dia. x 7" deep hole, fill with anchoring grout
- Features:**
- Ideal for use in high vandalism or security area
 - No exposed fasteners
 - Accepted by the New York State Office of Mental Health (OMH) for use in high risk areas

No.	Diameter	Height	Mounting Bolt	Weight
468	2" dia.	x 3" h	1" x 7"	2.6 lbs.

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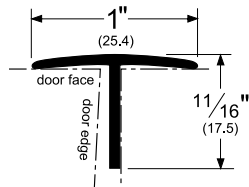
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"T" and Overlapping Astragals

359_

AVAILABLE FINISHES:
A, BDG, D

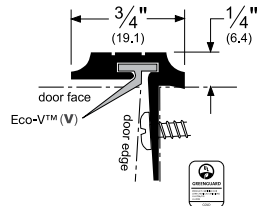
- Supplied with weatherstrip nails for installation



356_V

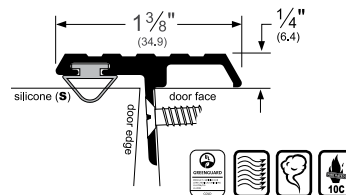
AVAILABLE FINISHES:
A, BDG, D, PW, SN
REPLACEMENT INSERT:
EV17 (BL, GR, W)

- Countersink drilling with countersunk flathead screws also available upon request at no extra charge



355_S

AVAILABLE FINISHES:
B, BDG, C, D, G, PW, SN
REPLACEMENT INSERT:
S4 (BL, GR)



Alternate Inserts For 355_V

355_V

AVAILABLE FINISHES:
B, BDG, C, D, G, PW, SN
REPLACEMENT INSERT:
EV7 (BL, GR, W)



355_P

AVAILABLE FINISHES:
B, BDG, C, D, G, PW, SN
REPLACEMENT INSERT:
P2 (BL, GR)

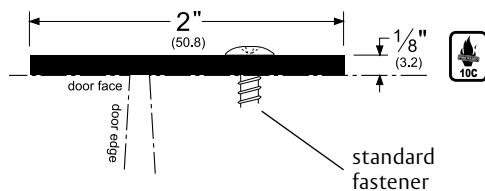


357_ 357_ND

AVAILABLE FINISHES:
C, D, G, SP, SS (#4 Finish & #4 Edge)

11 GAUGE

- "ND" denotes "no drill" (unless specified "ND", astragals are drilled)
- Standard fastener is #10 x 1" Truss Head SMS
- Lead-line option available

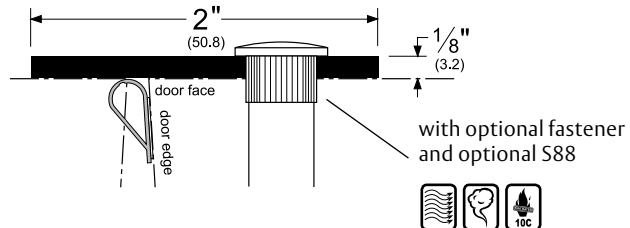


357_ with S88

AVAILABLE FINISHES:
SP, SS (#4 Finish & #4 Edge)

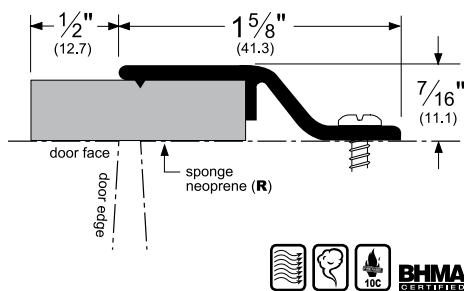
11 GAUGE

- Standard fastener is #10 x 1" Truss Head SMS
- 1/4" - 20 machine screws and thru-bolts must be ordered separately at additional cost
- S88 seal must be ordered separately at an additional cost, if required
- If specifications state that an astragal is required to satisfy a fire and / or smoke opening, then a thru-bolted 357SP or SS in conjunction with S88 seal is the only configuration that can be used.



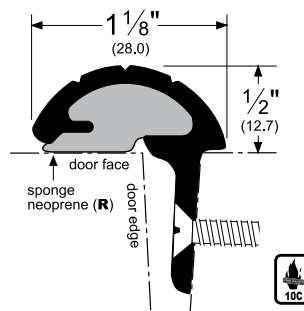
375_R

AVAILABLE FINISHES: **B, C, D, G**
REPLACEMENT INSERT: **R4 (BL)**
ANSI: **R3C634, R3C635**



352_R

AVAILABLE FINISHES: **C, D, G**
REPLACEMENT INSERT: **R8 (BL)**
For reverse bevel doors



AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)
A (Mill Finish Aluminum) **B** (Mill Finish Extruded Bronze [Brass]) **BDG** (Bright Dip Gold Anodized) **C** (Clear Anodized)
D (Dark Bronze Anodized) **G** (Gold Anodized) **PW** (Painted White) **SN** (Satin Nickel Anodized) **SP** (Galvannealed Steel)
SS (See Individual Part) Special finishes available upon request

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ASSA ABLOY

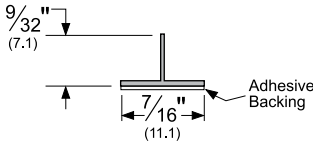
The global leader in
door opening solutions

Adhesive Astragal/Meeting Stile Seals

- The **S771** and **S772** astragal/meeting stile seals can be installed on virtually any pair of doors where sound attenuation is required. These products seal the opening to prevent heat loss, retard the passage of smoke, and act as a weatherization product
- Excellent resistance to compression set, particularly at elevated temperatures and for extended periods of time
- Stays flexible between -58°F and 450°F with very high resistance to flex fatigue
- Maintains a low closing force
- Easy installation requires no mechanical fasteners; can be cut to size in the field

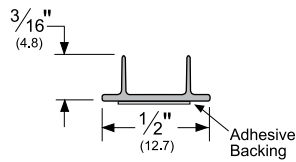
S771_

AVAILABLE FINISHES: **BL, C, D, GR, W**
AVAILABLE LENGTHS: **7', 8', 9', 10'**
ANSI: **ROE754, ROE755**



S772_

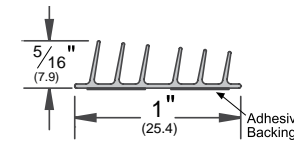
AVAILABLE FINISHES: **BL, C, D, GR, W**
AVAILABLE LENGTHS: **7', 8', 9', 10'**
ANSI: **ROE754, ROE755**



S771x6_

AVAILABLE FINISHES: **BL, C**
AVAILABLE LENGTHS: **7', 8', 9', 10'**
ANSI: **ROE154, ROE155, ROE754, ROE755**

- Designed for hollow metal and wood meeting stile applications
- Seal begins compressing at $\frac{5}{16}$ " ; compresses to seal up to a $\frac{1}{16}$ " gap



Notes For All Adhesive Gasketing:

Storage and shelf life: All adhesive gaskets have a limited shelf life. This product must be installed within 6 months of purchase and must be stored between 50°F and 100°F. For further notes/details, please see Adhesive Gasketing section.

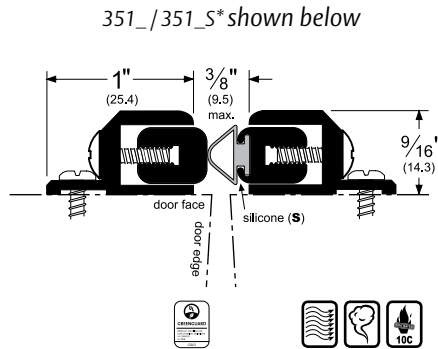
Adjustable Astragals

- Available in 84", 96" and 120" lengths
- When used as split astragals on double doors, two lengths must be ordered: one for each door

351_S

AVAILABLE FINISHES:
B, C, D, G
REPLACEMENT INSERT:
S4 (BL, GR)

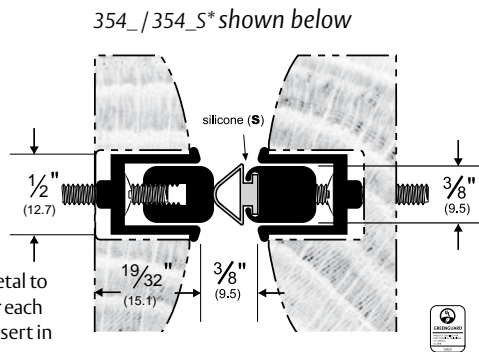
- Surface applied
- For use with square-edge or bevel-edge doors



354_S

AVAILABLE FINISHES:
B, C, D, G
REPLACEMENT INSERT:
S4 (BL, GR)

- Fully mortised
- Designed for use with bullnose doors

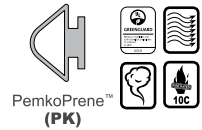


* If you require split astragals in a metal to gasket configuration, you must order each leaf separately with your choice of insert in the tables to the right

Alternate Inserts For 351

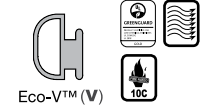
351_PK

AVAILABLE FINISHES:
B, C, D, G
REPLACEMENT INSERT:
PK4 (BL, GR)



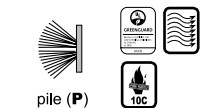
351_V

AVAILABLE FINISHES:
B, C, D, G
REPLACEMENT INSERT:
EV41 (BL, GR, W)



351_P

AVAILABLE FINISHES:
B, C, D, G
REPLACEMENT INSERT:
P2 (BL, GR)



Alternate Inserts For 354

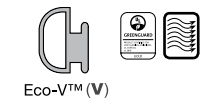
354_PK

AVAILABLE FINISHES:
B, C, D, G
REPLACEMENT INSERT:
PK4 (BL, GR)



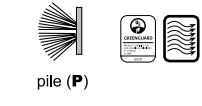
354_V

AVAILABLE FINISHES:
B, C, D, G
REPLACEMENT INSERT:
EV41 (BL, GR, W)



354_P

AVAILABLE FINISHES:
B, C, D, G
REPLACEMENT INSERT:
P2 (BL, GR)



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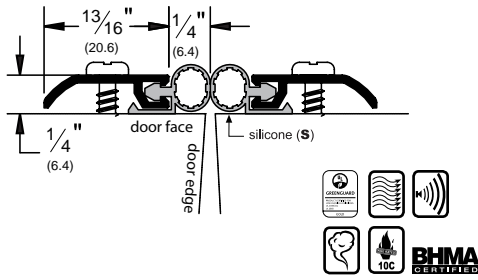
AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)
B (Mill Finish Extruded Bronze [Brass]) **C** (Clear Anodized) **D** (Dark Bronze Anodized) **G** (Gold Anodized)
Special finishes available upon request
Gasket colors: **BL** (Black) **C** (Clear) **D** (Dark) **GR** (Gray) **W** (White)

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Astragal and Meeting Stile Gasketing - Split Astragals (Cont.)

316_S

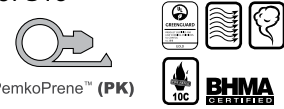
AVAILABLE FINISHES:
A, BDG, D, G
REPLACEMENT INSERT:
S3 (BL, W)
ANSI: **R3E734, R3E735**



Alternate Inserts For 316

316_PK

AVAILABLE FINISHES:
A, BDG, D, G
REPLACEMENT INSERT:
PK47 (BL, GR)
ANSI: **R3G734, R3G735**



316_V

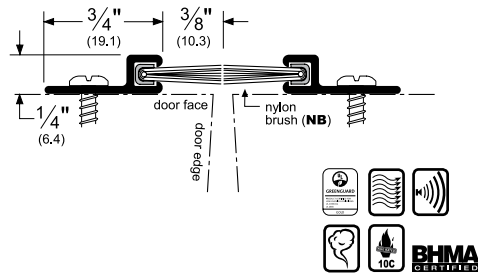
AVAILABLE FINISHES:
A, BDG, D, G
REPLACEMENT INSERT:
EV47 (BL, GR, W)



18041_NB

AVAILABLE FINISHES:
C, D, G, SN
REPLACEMENT INSERT:
P516041 (BL, GR)
ANSI: **R3A734**

NOTE: Brush should mesh from 1/32" to 1/16".



Alternate Inserts For 18041

18041_SB

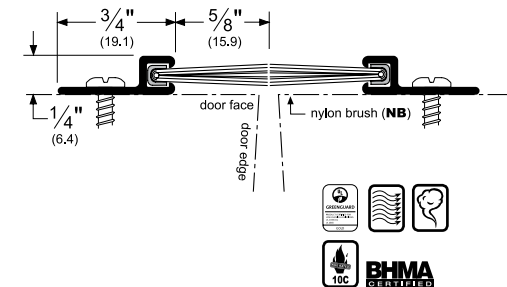
AVAILABLE FINISHES:
C, D, G, SN
REPLACEMENT INSERT:
P3 (BL, GR)



18061_NB

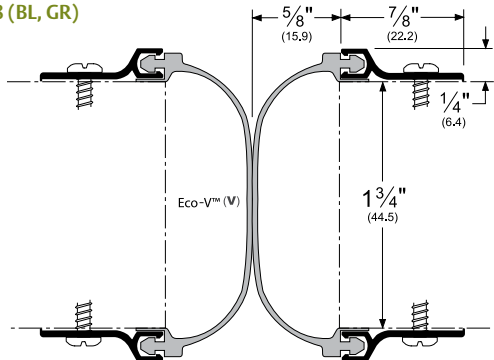
AVAILABLE FINISHES:
C, D, G, SN
REPLACEMENT INSERT:
P516062 (BL, GR, W)
ANSI: **R3A734**

NOTE: Brush should mesh from 1/32" to 1/16".



318_V

AVAILABLE FINISHES:
A, BDG, D, G, PW
REPLACEMENT INSERT:
EV58 (BL, GR)



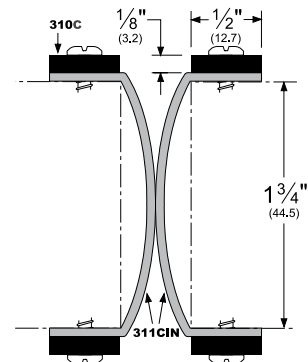
310_*

311CIN

AVAILABLE FINISHES:
C

- Material required for one pair of doors:
 - 4 ea. 310 bars and
 - 2 ea. 311CIN cloth inserted rubber pieces
 - Specify 311CIN3.75 for 1 3/4" thick doors
 - Specify 311CIN4.00 for 2" thick doors
 - Specify 311CIN4.25 for 2 1/4" thick doors

* Sold individually



AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)
A (Mill Finish Aluminum) **BDG** (Bright Dip Gold Anodized) **C** (Clear Anodized) **D** (Dark Bronze Anodized)
G (Gold Anodized) **PW** (Painted White) **SN** (Satin Nickel Anodized)
Special finishes available upon request

ASSA ABLOY

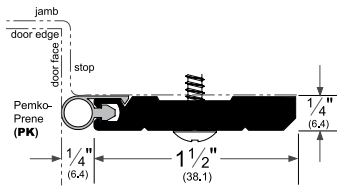
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Heavy Duty Perimeter Gasketing - Head Section

- For the head section of the frame where a parallel arm closer bracket or other hardware is required. Supplied undrilled (36") or drilled (80" and above) and supplied with sheet metal screws for mounting
- If used as a stop, flat head machine screws can be provided upon request and take a countersunk #10 hole. PEMKO will drill the head member only if drilling instructions for countersink holes are provided
- All gasketing shown below is sold individually

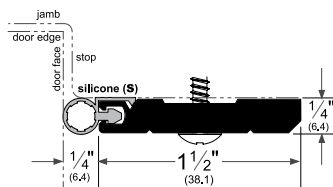
2891_PK

AVAILABLE FINISHES: **A, D, G**
 REPLACEMENT INSERT: **PK47 (BL, GR)**
 ANSI: **R3G164, R3G165**



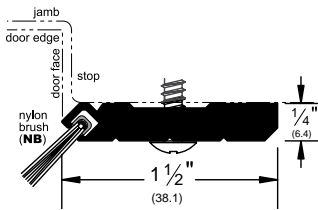
2891_S

AVAILABLE FINISHES: **A, D, G**
 REPLACEMENT INSERT: **S3 (BL, GR, W)**
 ANSI: **R3E164, R3E165**



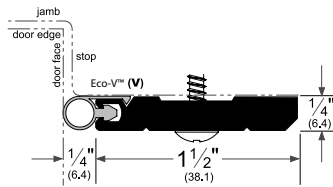
28945_NB

AVAILABLE FINISHES: **A, D, G**
 REPLACEMENT INSERT: **P14050 (BL, GR)**
 ANSI: **R3A164, R3A165**



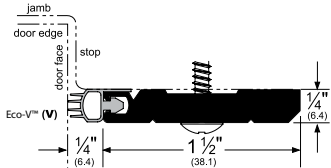
2891_V

AVAILABLE FINISHES: **A, D**
 REPLACEMENT INSERT: **EV47 (BL, GR, W)**



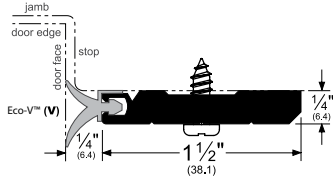
2892_V

AVAILABLE FINISHES: **A, D**
 REPLACEMENT INSERT: **EV59 (BL, GR, W)**



2893_V

AVAILABLE FINISHES: **A, D**
 REPLACEMENT INSERT: **EV60 (GR)**



2891_PK
1 per door standard

290_PK
2 per door standard

When ordering a head section such as 2891_PK, two corresponding side sections (i.e. 290_PK) should also be ordered for the latch and hinge sides of the frame.

Kerf-In Weatherstrip (Cont.)

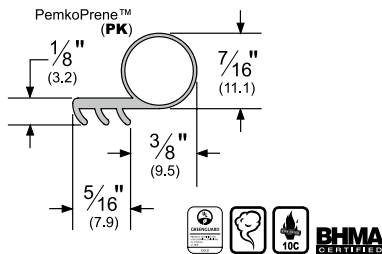
PK52

AVAILABLE FINISHES: **BL, W**

ANSI: **ROG154**

AVAILABLE LENGTHS: **18', 20', 300'**

- Minimum space between the door face and the stop is $\frac{1}{16}$ "; maximum space is $\frac{3}{8}$ "

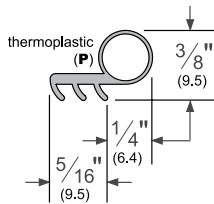


P50

AVAILABLE FINISHES: **BL, W**

AVAILABLE LENGTHS: **17', 25', 250'**

- Minimum space between the door face and the stop is $\frac{1}{16}$ "; maximum space is $\frac{1}{16}$ "
- Thermoplastic elastomer formulation will not transmigrate; remains flexible to -60° F

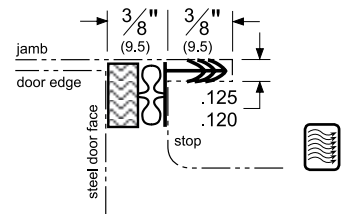


MAG349

AVAILABLE FINISHES: **D, W**

AVAILABLE LENGTHS: **37", 85", 96", 121"**

- Minimum space between the door face and the stop is $\frac{3}{16}$ "; maximum space is $\frac{7}{16}$ "
- Magnetic kerf-in weatherstrip features a magnetic strip encased by a UV-stable TPE cover
- Use for steel-faced door and wood frame applications
- Can be trimmed in the field and corner-mitered

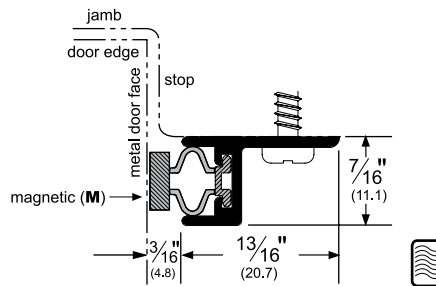


Magnetic Kerf-In Weatherstrip

2815_M

AVAILABLE FINISHES: **C, D, G**

REPLACEMENT INSERT: **2815MAG**



Adhesive Perimeter Gasketing

For more information on these perimeter gasketing products, please see the Adhesive Gasketing section.

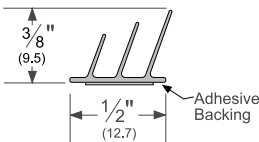
S773

AVAILABLE FINISHES: **BL, D, GR, W**

AVAILABLE LENGTHS: **17', 18', 20', 21', 25', 30', 250', 500'**

ANSI: **ROE154, ROE155**

- Triple-fin design blocks light and sound from infiltrating a room
- Product designed as hospitality gasketing (see more hospitality products in the Hospitality Products section)
- Seal begins compressing at $\frac{3}{8}$ "; compresses to seal up to a $\frac{1}{16}$ " gap



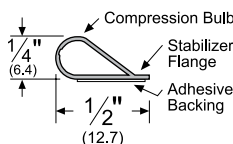
S88

AVAILABLE FINISHES: **BL, C, D, GR, TAN, W**

AVAILABLE LENGTHS: **17', 18', 20', 21', 25', 30', 204', 510'**

ANSI: **ROE154, ROE155**

- Seal begins compressing at $\frac{1}{4}$ "; compresses to seal up to a $\frac{1}{16}$ " gap
- Available with perforations for Behavioral Health applications. Substitute "P" in place of "S" to order this option.



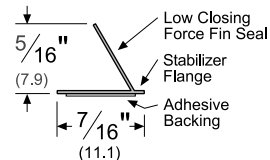
S44

AVAILABLE FINISHES: **BL, C, D, GR, W**

AVAILABLE LENGTHS: **17', 18', 20', 21', 25', 30', 204', 510'**

ANSI: **ROE154, ROE155**

- Designed for tighter frames.
- Demonstrates extremely low closing force.
- Seal begins compressing at $\frac{5}{16}$ "; compresses to seal up to a $\frac{1}{16}$ " gap
- Available with perforations for Behavioral Health applications. Substitute "P" in place of "S" to order this option.



NOTE: Products shown in this section may not be drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

Adhesive Gasketing Colors: **BL** (Black) **C** (Clear) **D** (Dark Brown) **GR** (Light Gray) **TAN** (Tan) **W** (White)

ASSA ABLOY

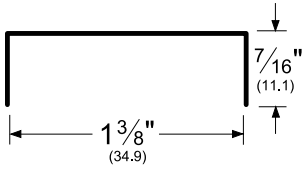
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Door Top Weatherstrip

_343

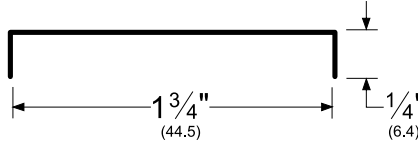
AVAILABLE FINISHES: **PA**
AVAILABLE LENGTHS: **36", 48"**

- For top of 1³/₈" wood doors



_344

AVAILABLE FINISHES: **PA**
AVAILABLE LENGTHS: **36", 48"**



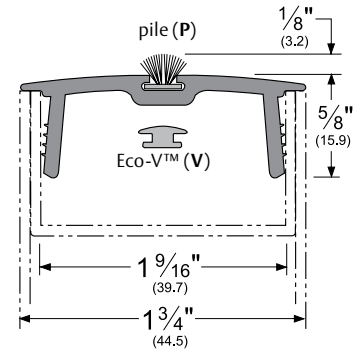
377VP_

REPLACEMENT INSERT: **P2 (BL, GR)**

377V_

REPLACEMENT INSERT: **EV38 (Tan)**

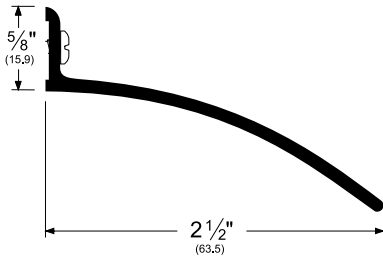
Rigid tan colored Eco-V™ with Eco-V™ (V) insert or pile (P) insert used as a door top (or bottom) filler strip for hollow metal doors



346_

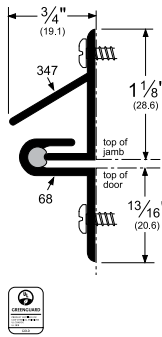
AVAILABLE FINISHES: **C, D, G, PW**

- Overhead rain drip with slotted holes
- Should be ordered a minimum of 4" longer than the door width



347_

AVAILABLE FINISHES: **A, D, G**



Heavy Duty Door Bumper

- Heavy duty door bumper extruded from black EPDM (E)
- Order 196_ separately; furnished undrilled unless requested otherwise

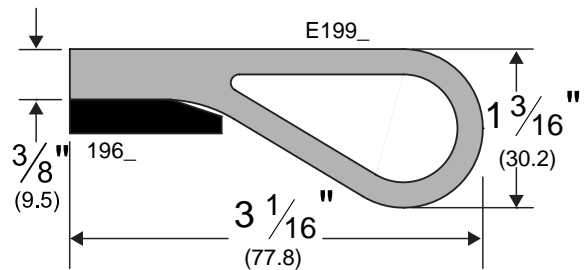
E199_

AVAILABLE COLOR: **BL**



196_

AVAILABLE COLOR: **A**



NOTE: Products shown in this section may not be drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)
A (Mill Finish Aluminum) **C** (Clear Anodized) **D** (Dark Bronze Anodized) **G** (Gold Anodized) **PA** (Painted Aluminum)
PW (Painted White)

Non-Metal Finish: **BL** (Black)

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ASSA ABLOY

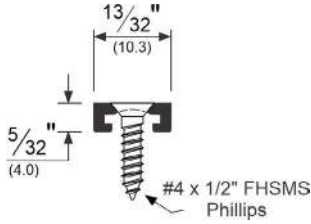
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Privacy Seals for Sliding Doors

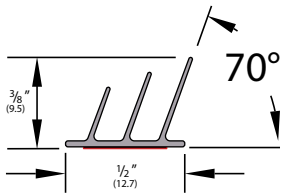
PEMKOSFSET1

- Will seal gaps 1/8 to 3/8" for barn door sliding hardware
- Works with any sliding door hardware
- Requires 1/2" frame to keep the gasket from marring the wall

369



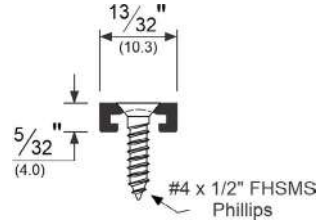
S773



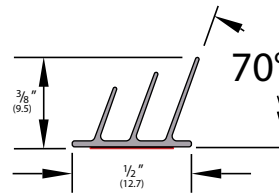
PEMKOSFSET2

- Will seal gaps 1/8 to 3/8" for barn door sliding hardware
- Works with any sliding door hardware
- Requires 1/2" frame to keep the gasket from marring the wall
- Includes a surface mounted bottom seal

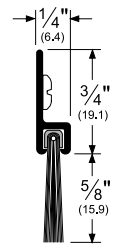
369



S773



18061_NB



Standard Kit Sizes		
Finish	Product	Color
C	369C S773GR	Clear Anodized Gray
D	369D S773BL	Dark Bronze Anodized Black
PW	369C S773PW	Clear Anodized White

Standard Kit Sizes		
Finish	Product	Color
C	369C S773GR 18061CNB	Clear Anodized Gray Clear Anodized, Gray Brush
D	369D S773BL 18061DNB	Dark Bronze Anodized Black Dark Bronze Anodized, Black Brush
PW	369C S773PW 18061PWNB	Clear Anodized White Painted White

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Opening Solutions

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and more open world

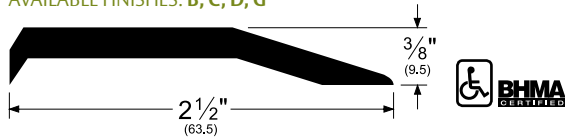
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Check the web site for the up-to-date catalog

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Carpet Separators

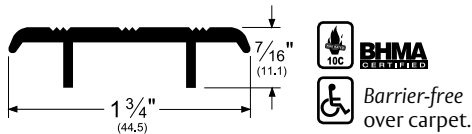
174_

AVAILABLE FINISHES: B, C, D, G



236_

AVAILABLE FINISHES: A, B, BDG, D, G



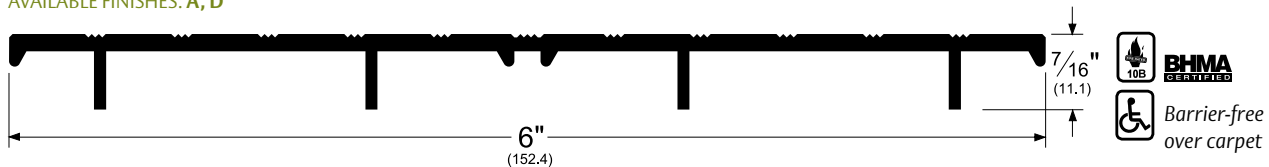
2364_

AVAILABLE FINISHES: A, B, D, G



2366_

AVAILABLE FINISHES: A, D



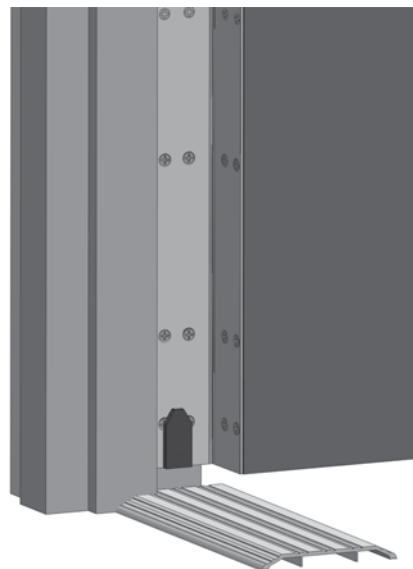
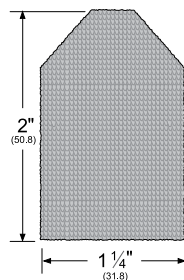
Acoustic Adhesive Corner Pads

Corner pad with black or white polypropylene pile, with pressure-sensitive adhesive

Apply to corner of jamb on hinge side to seal against air and light infiltration

ACP112_

AVAILABLE COLORS: BL, W



NOTE: Products shown in this section may not be drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)
A (Mill Finish Aluminum) **B** (Mill Finish Extruded Bronze[Brass]) **BDG** (Bright Dip Gold Anodized)
D (Dark Bronze Anodized) **G** (Gold Anodized)
 Corner Pad: **BL** (Black) **W** (White)

ASSA ABLOY

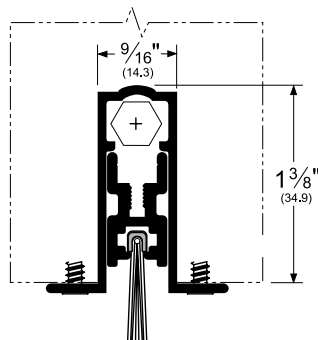
The global leader in
door opening solutions

Automatic Door Bottoms

- All PEMKO Automatic Door Bottoms, 24" and up, can be manufactured for field alteration.
- Please specify when ordering: Allow 2" for field trimming
- Overall sizes range from 18" to 72"
- 0.0625" Lead-lining available upon request; contact PEMKO Customer Service for options on profiles

411_NBL

AVAILABLE FINISH:
A
REPLACEMENT INSERT:
P14075 (BL, GR)
ANSI:
R3A324, R3A325

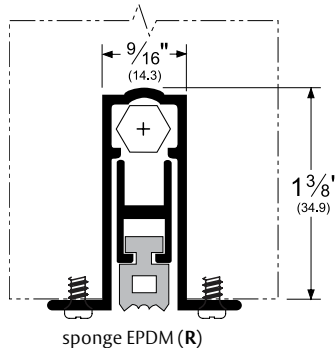


nylon brush (NB)



411_RL

AVAILABLE FINISH:
A
REPLACEMENT INSERT:
E7 (BL)
ANSI:
R3G324, R3G325



sponge EPDM (R)



Alternate Insert For 411

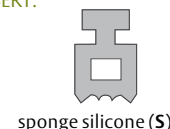
411_PKL

AVAILABLE FINISH:
A
REPLACEMENT INSERT:
PK4132 (BL)
ANSI: **R3G324, R3G325**



411_SL

AVAILABLE FINISH:
A
REPLACEMENT INSERT:
SR6 (BL)
ANSI:
R3E324, R3E325

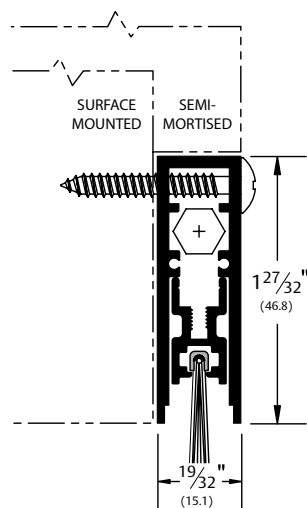


All above products



4131_NBL

AVAILABLE FINISHES:
BDG, C, D, SN
REPLACEMENT INSERT:
P14075 (BL, GR)
ANSI:
R3A334, R3A335, R3A344, R3A345

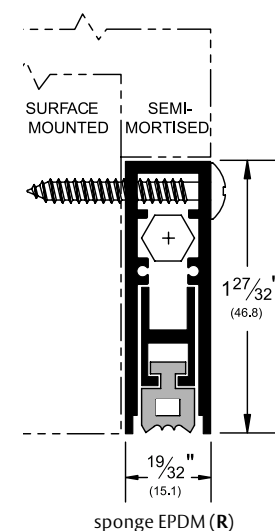


nylon brush (NB)



4131_RL

AVAILABLE FINISHES:
BDG, C, D, SN
REPLACEMENT INSERT:
E7 (BL)
ANSI:
R3G334, R3G335, R3G344, R3G345



sponge EPDM (R)



Alternate Inserts For 4131

4131_PKL

AVAILABLE FINISHES:
BDG, C, D, SN
REPLACEMENT INSERT:
PK4132 (BL)
ANSI: **R3G334, R3G335, R3G344, R3G345**



4131_SL

AVAILABLE FINISHES:
BDG, C, D, SN
REPLACEMENT INSERT:
SR6 (BL)
ANSI: **R3E334, R3E335, R3E344, R3E345**



All above products



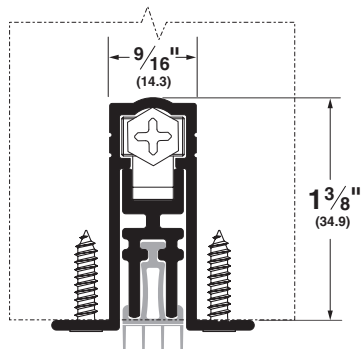
AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)
A (Mill Finish Aluminum) **BDG** (Bright Dip Gold Anodized) **C** (Clear Anodized) **D** (Dark Bronze Anodized)
SN (Satin Nickel Anodized)

Automatic Door Bottoms - Acoustic

- Non-handed
- Recommended gap under door is 1/2" for optimal acoustic performance max drop is 3/4"
- Internal mechanism allows bar to accommodate slight imperfections in floor materials
- STC411 end plate kit is K435; for doors narrower than 1-3/4", specify end plate kit K411
- STC4131 end plate kit is K4133C for Clear Anodized and K4133D for Dark Bronze Anodized

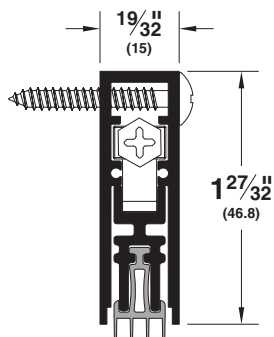
STC411_PK

AVAILABLE FINISHES: **A**
 REPLACEMENT INSERT: **PK4111 (BL)**
 ANSI: **R3G324, R3G325**



STC4131_PK

AVAILABLE FINISHES: **10BE, BSP, C, D, WSP**
 REPLACEMENT INSERT: **PK4111 (BL)**
 ANSI: **R3G334, R3G335, R3G344, R3G345**



NOTE: STC411_PK Automatic Door Bottom is now included in PEMKOSTCSET-1 (A through E).
 Please see Acoustic Products section for more information.

NOTE: Products shown in this section may not be drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)
10BE (Satin Bronze Powder Coated Aluminum) **A** (Mill Finish Aluminum) **BSP** (Black Suede Powder Coated Aluminum)
C (Clear Anodized) **D** (Dark Bronze Anodized) **WSP** (White Suede Powder Coated Aluminum)

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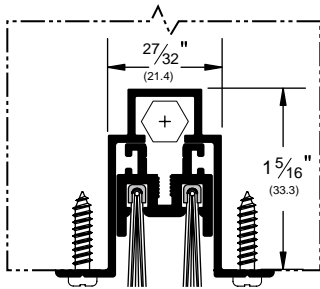
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Automatic Door Bottoms - Full-Mortise Models

434_NBL

AVAILABLE FINISH: A
 REPLACEMENT INSERT: P516062 (BL, GR, W)
 ANSI: R3A324, R3A325

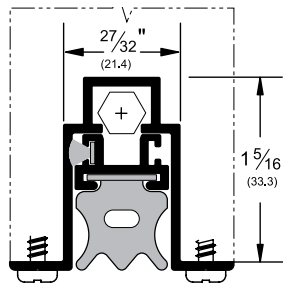


nylon brush (NB)



434_RL

AVAILABLE FINISH: A
 REPLACEMENT INSERT: E4303 (BL)
 ANSI: R3G324, R3G325

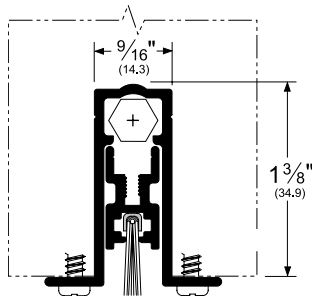


sponge EPDM (R)



411_NBL

AVAILABLE FINISH: A
 REPLACEMENT INSERT: P516041 (BL, GR)
 ANSI: R3A324, R3A325

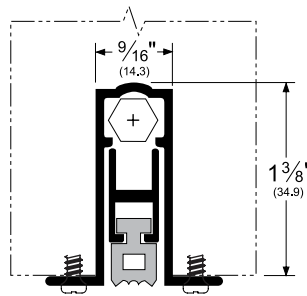


nylon brush (NB)



411_RL

AVAILABLE FINISH: A
 REPLACEMENT INSERT: E7 (BL)
 ANSI: R3G324, R3G325

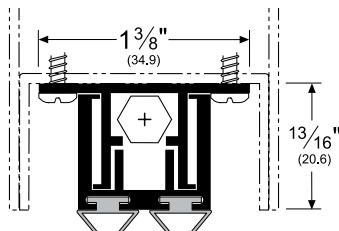


sponge EPDM (R)



420_PKL

AVAILABLE FINISH: A
 REPLACEMENT INSERT: PK4 (BL, GR)
 ANSI: R3G324, R3G325
 For hollow metal doors
 Maximum drop is 1/2"



PemkoPrene™ (PK)



Alternate Inserts For 434

434_PKL

AVAILABLE FINISH: A
 REPLACEMENT INSERT: PK4304 (BL)
 ANSI: R3G324, R3G325



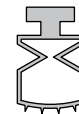
PemkoPrene™ (PK)



Alternate Inserts For 411

411_PKL

AVAILABLE FINISH: A
 REPLACEMENT INSERT: PK4132 (BL)
 ANSI: R3G324, R3G325

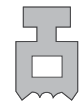


PemkoPrene™ (PK)



411_SL

AVAILABLE FINISHES: A
 REPLACEMENT INSERT: SR6 (BL)
 ANSI: R3E324, R3E325



sponge silicone (S)



Alternate Inserts For 420

420_VL

AVAILABLE FINISH: A
 REPLACEMENT INSERT: EV41 (BL, GR, W)



Eco-V™ (V)



420_SL

AVAILABLE FINISH: A
 REPLACEMENT INSERT: S4 (BL, GR)
 ANSI: R3G324, R3G325



silicone (S)



NOTE: Products shown in this section may not be drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)
 A (Mill Finish Aluminum)

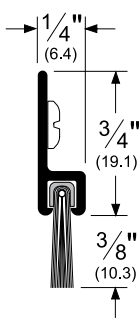
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180° Aluminum Retainers (Cont.)

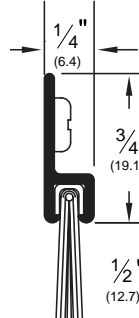
18041_NB

AVAILABLE FINISHES:
C, D, G, PW, SN
REPLACEMENT INSERT:
P516041 (BL, GR)
ANSI: **R3A134, R3A164, R3A734**



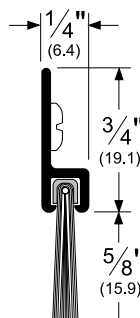
18050_NB

AVAILABLE FINISHES:
C, D, G, PW, SN
REPLACEMENT INSERT:
P516050 (BL, GR)
ANSI: **R3A434, R3A734**



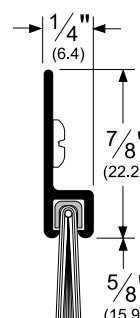
18061_NB

AVAILABLE FINISHES:
C, D, G, PW, SN
REPLACEMENT INSERT:
P516062 (BL, GR, W)
ANSI: **R3A434, R3A734**



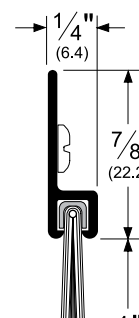
18062_NB

AVAILABLE FINISHES:
C, D, G, PW
REPLACEMENT INSERT:
P38062 (BL, GR, W)
ANSI: **R3A434**



18100_NB

AVAILABLE FINISHES:
C, D, G, PW
REPLACEMENT INSERT:
P38100 (BL, GR)
ANSI: **R3A434**



Alternate Inserts For 18041

18041_SB

AVAILABLE FINISHES: **C, D, G, SN**
REPLACEMENT INSERT: **P3 (BL, GR)**

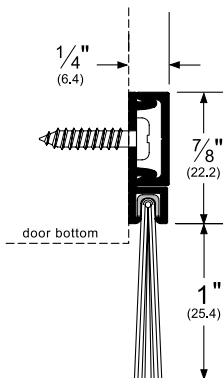


180° Concealed Fastener Retainers

- Aluminum snap cover conceals mounting screws to provide a clean aesthetic appearance
- Replacement snap cover is item _29316; when ordering, identify finish and length
- Cover snaps securely into place to deter vandalism

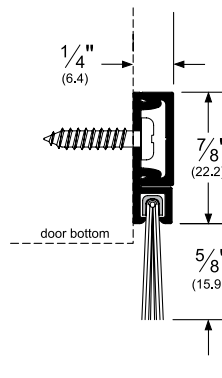
293100_NB

AVAILABLE FINISHES:
C, D
REPLACEMENT INSERT:
P516100 (BL, GR, W)
ANSI: **R3A434**



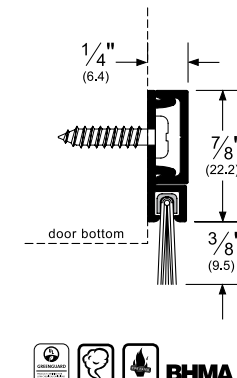
29326_NB

AVAILABLE FINISHES:
C, D, G
REPLACEMENT INSERT:
P516062 (BL, GR, W)
ANSI: **R3A434**



29324_NB

AVAILABLE FINISHES:
C, D, G
REPLACEMENT INSERT:
P516041 (BL, GR)
ANSI: **R3A434**



Alternate Insert For 29324

29324_SB

AVAILABLE FINISHES: **C, D**
REPLACEMENT INSERT: **P3 (BL, GR)**



NOTE: Products shown in this section may not be drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)
C(Clear Anodized) **D**(Dark Bronze Anodized) **G**(Gold Anodized) **PW**(Painted White) **SN**(Satin Nickel Anodized)
Special finishes available upon request

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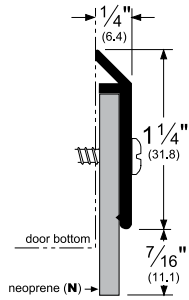
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Door Bottom Sweeps

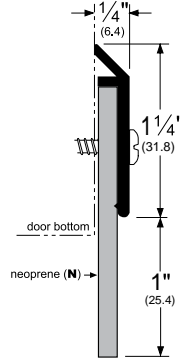
315_N

AVAILABLE FINISHES: **B, C, D, G, PW, SN**
REPLACEMENT INSERT: **N8 (BL, GR)**
ANSI: **R3B434, R3B435**



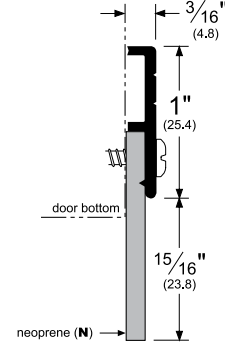
3151_N

AVAILABLE FINISHES: **C, D, G**
REPLACEMENT INSERT: **N9 (BL)**
ANSI: **R3B434**



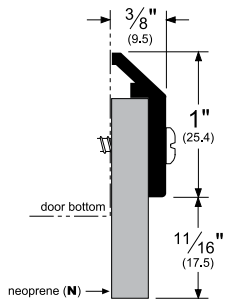
321_N

AVAILABLE FINISHES: **C, D, G**
REPLACEMENT INSERT: **N8 (BL)**
ANSI: **R3B434, R3B435**



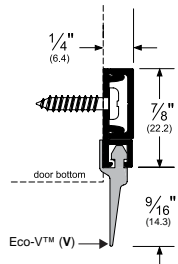
368_N

AVAILABLE FINISHES: **C, D, G**
REPLACEMENT INSERT: **N10 (BL)**
ANSI: **R3B434, R3B435**



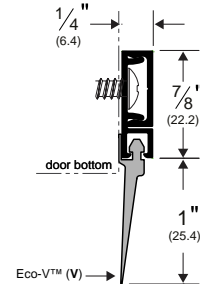
29326_V

AVAILABLE FINISHES: **C, D, G**
REPLACEMENT INSERT: **EV65 (BL, GR, W)**
ANSI: **R3D434**



293100_V

AVAILABLE FINISHES: **C, D, G**
REPLACEMENT INSERT: **EV54 (BL, GR, W)**
ANSI: **R3D434**



NOTE: Products shown in this section may not be drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)
B (Mill Finish Extruded Bronze [Brass]) **BDG** (Bright Dip Gold Anodized) **C** (Clear Anodized)
D (Dark Bronze Anodized) **G** (Gold Anodized) **PW** (Painted White) **SN** (Satin Nickel Anodized)

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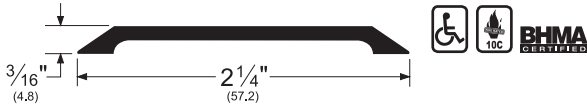
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Saddle Thresholds

- To use a saddle threshold in an offset condition, use an elevator (see page 135)

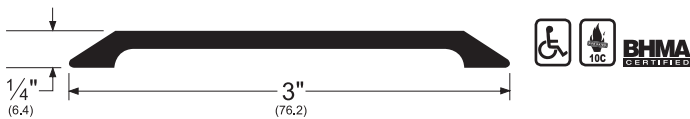
173_

AVAILABLE FINISHES: **10BE, A, B, BSP, D, G, WSP**
ANSI (aluminum): **J32300, J32330**
ANSI (brass): **J12300, J12330**



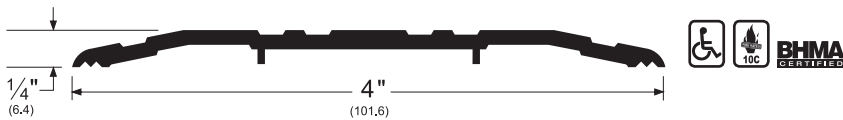
151_

AVAILABLE FINISHES: **10BE, A, B, BSP, D, G, WSP**
ANSI (aluminum): **J32300, J32330**
ANSI (brass): **J12300, J12330**



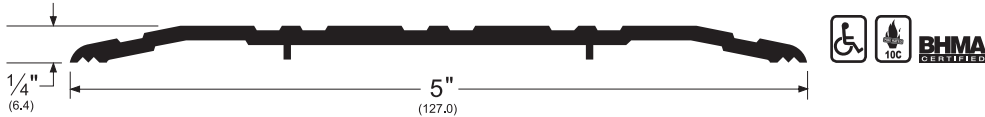
270_

AVAILABLE FINISHES: **10BE, A, B, BSP, D, G, WSP**
ANSI (aluminum): **J32100, J32130**
ANSI (brass): **J12300, J12330**



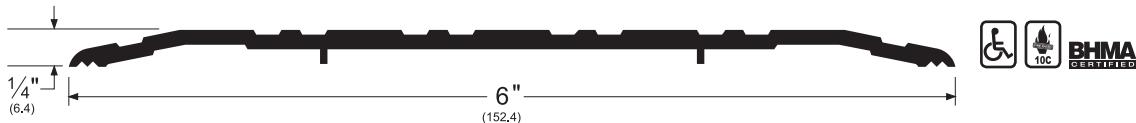
271_

AVAILABLE FINISHES: **10BE, A, B, BSP, D, G, SN, WSP**
ANSI (aluminum): **J32100, J32130**
ANSI (brass): **J12100, J12130**



272_

AVAILABLE FINISHES: **10BE, A, B, BSP, D, G, SN, WSP**
ANSI (aluminum): **J32100, J32130**
ANSI (brass): **J12100, J12130**



NOTE: Products shown in this section may not be drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)
10BE (Stain Bronze Powder Coated Aluminum) **A** (Mill Finish Aluminum) **B** (Mill Finish Extruded Bronze [Brass])
BSP (Black Suede Powder Coated Aluminum) **D** (Dark Bronze Anodized) **G** (Gold Anodized)
SN (Satin Nickel Anodized) **WSP** (White Suede Powder Coated Aluminum)

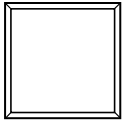
NOTE: **G, SN** are available with limited inventory

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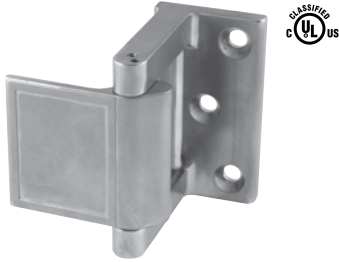
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Wall Guard No. 606

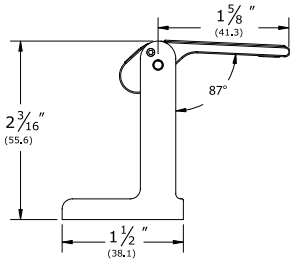
- Material:** Clear rubber
- Other:** Sold in sheets of 55
- Features:** Self-adhesive mounting

No.	Fastener	Size	Weight
606	Self-adhesive back	1" x 1"	0.4 lbs./55



Privacy Door Latch No. PDL (formerly 607)

- Material:** Zinc die cast
- Finishes:** BRS, DBRS, STNN, CRM, DCRM, ORB
- Features:**
- ADA compliant
 - Enhanced in room privacy
 - Easy to install
 - For use with UL Classified fire doors for use with hollow metal steel composite type fire doors rated up to and including 3 hrs Wood composite type fire doors rated up to and including 1½ hrs and 20 minutes without hose stream



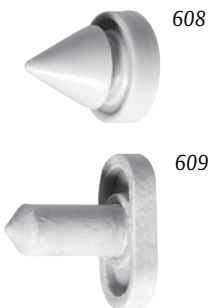
No.	Fastener	Size	Weight
PDL	#12 x 1¼" FH SMS	1½" x 2 ¹³ / ₁₆ "	0.75 lbs.



Door Silencer No. 608CA

- Material:** Clear rubber
- Other:** Sold in packages of 300
- Features:** Self-adhesive mounting

No.	Fastener	Size	Weight
608CA	¾" dia. x 1/8"	Metal or wood	0.2 lbs./300



Door Silencers No. 608, 609

- Material:** DuraFlex gray rubber
- Other:** Sold in packages of 100

No.	Size	Frame Type	Weight	ANSI A156.16
608	½" dia. x 5/8"	Metal	1.3 lbs./500	L03011
609	¾" x ¾"	Wood	1.3 lbs./500	L03021

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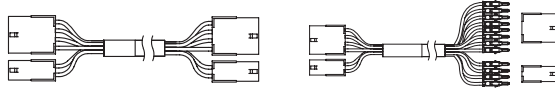
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ElectroLynx® Retrofit Cables

If you are not ordering ASSA ABLOY Door Group doors with the ElectroLynx® cable pre-installed in the door, you must order an ElectroLynx® retrofit cable to go between ANY hardware and the hinge. This includes 3" cables to go from the hinge to an exit device and up to a 15' cable to go up and around a full lite metal door.



QC-C1500P Shown



Actual Cable Length	12 Conductor and Molex both ends	12 Conductor and Molex one end, pinned one end	Typical Application
3"	QC-C003	QC-C003P	Between hinge and the end of an exit device.
6"	QC-C006	QC-C006P	
12"	QC-C012	QC-C012P	
26"	QC-C200	QC-C200P	Between hinge and through the door to the lockset or exit device trim.
32"	QC-C206	QC-C206P	
38"	QC-C300	QC-C300P	
44"	QC-C306	QC-C306P	
50"	QC-C400	QC-C400P	
15' 2"	QC-C1500	QC-C1500P	From the hinge location, up the jamb to above the ceiling, or up and around full lite or half lite metal door.
25'	-	QC-C2500P	
30'	-	QC-C3000P	

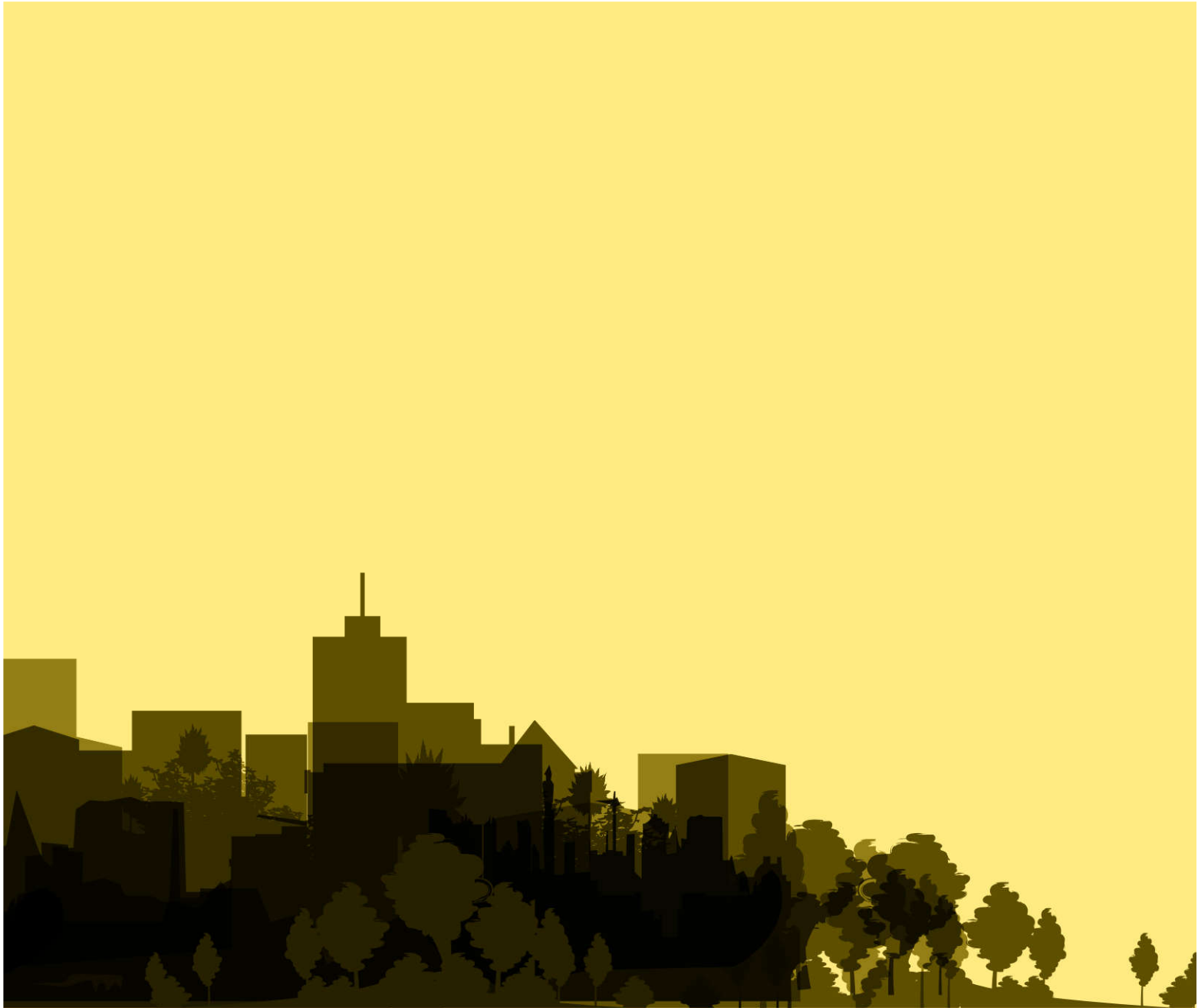
Custom lengths available.

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Accessories

DPS Door Position Switches



DPS-W and DPS-M door position switches enable access control systems to monitor the open or closed state of a door.

These switches can transmit an initiate signal to XDT delayed exit logic timers and DPA door prop logic timers.

Features

Standard Features

- Mated magnetic switch and cylindrical magnetic contact
- Recesses into door and frame
- 3/4" [19mm] round installation, 15/16" [23.8125mm] deep
- Provides normally closed SPST switch
- Works with door gap up to 3/4" [18mm]
- Larger cylindrical magnet counters shielding effect of steel
- MagnaCare® lifetime replacement, no-fault, no questions asked warranty

Optional Features

- Available in white, gray or black

Specifications

Electrical

- Switching Current AC/DC (max): 0.4 A

Environmental

- Operating Temperature: -40° to 150° F [-40° to 65° C]

How to Order

MODEL SERIES	DOOR TYPE	FINISH
DPS	- M	- BK
DPS Door Position Switch	M Metal Door W Wood Door	BK Black GY Gray WH White



MagnaCare
Warranty



Push Buttons & Egress Devices

MK Mortise Keyswitch

Turns standard mortise cylinder into full featured keyswitch



The MK Mortise Keyswitch supports electric lock control, alarm panel arming, reset and override when paired with any mortise cylinder 1-1/8" to 1-1/2".

Features

Standard Features

- 12 or 24 VDC
- Bi-color LED
- Backing bracket permits integration with any 1-1/4" [32mm] or 1-1/8" [28mm] mortise cylinder (not included)
- Support for 1-1/2" [38mm] cylinder using spacer ring and backset
- Additional switch position on backing bracket allows another switch to be activated by turning the key in the opposite direction
- 5A rated plunger switch
- Includes anti-tamper screws
- MagnaCare® lifetime replacement, no-fault, no questions asked warranty

Optional Features

- Momentary or Alternate
- SPDT or DPDT relay
- Narrow Stile, Single- or Double-Gang
- Local annunciation via Piezo sounder
- Additional switch add on
- 1-1/8" [28.5mm] Key Cylinder, 26D Finish, SC keyway

How to Order

MODEL SERIES	SWITCH TYPE	MOUNTING METHOD	SWITCH/SOUNDER
MK	A	N	2
MK Mortise Key Switch	(blank) Momentary Switch A Alternate Switch	(blank) Switch Gang P Double Gang N Narrow Gang	Z Audible 2 DPDT — Double Pole, Double Throw

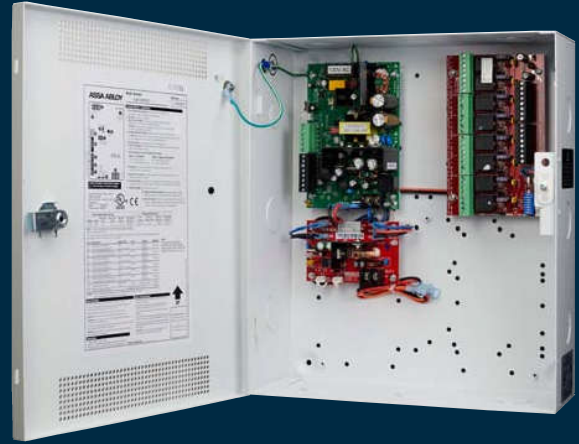
NOTE: Not every combination above is possible. Please contact the factory if you need a combination of features not listed on this page.



Power

AQL Series

Single, dual & multi-voltage ready intelligent power system



An out-of-the-box solution that offers unique performance and value.

The AQL Series of switching power supplies is an out-of-the-box solution that makes installation easier. It is feature rich, network management ready and available in 12 or 24 VDC single, dual and multi-voltage units.

Features

Standard Features

- Low battery cutoff protects batteries from deep discharge
- Dedicated fast charger prolongs battery life
- Enhanced surge immunity for input/output protection
- LockSafe™ keeps locks cooler by providing a separate, dedicated battery charging circuit
- OutSmart™ technology dual-color LED notification which prevents incorrect voltage application to locking devices [Green: 12 V | Blue: 24 V]
- Auxiliary output rated 1.4 A continuous
- Mix and match UL Listing
- Instant auto-switch to battery on AC loss
- Multi-voltage with B100
- Integrated Fire Alarm Interface (FAI) allows main output shutdown or disconnect on a per output basis when using an R8 output module
- Network ready with optional Netlink™ module
- MagnaCare® lifetime replacement, no-fault, no questions asked warranty

Optional Features

- Enhanced Network Management
 - AC line voltage monitoring
 - Remote battery monitoring and testing
 - 1000 event data recording
 - Email fault reporting

Specifications

Certifications

- UL 294 Listed
- UL 603 Listed
- UL 1076 Listed
- ULC-S318 Listed
- ULC-S319 Listed
- CSA C22.2 #107.1
- RoHS Compliant

Electrical

- 12 VDC or 24 VDC output
- 12 VDC & 24 VDC output (optional) with B100
- 120 or 230 VAC input
- Up to 91% efficiency

Environmental

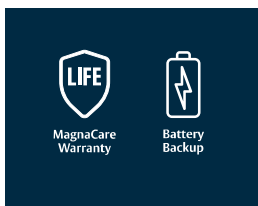
- Operating Temperature: 32° to 120° F [0° to 49° C]

Max Shipping Weight

- 15.50 lbs [7 kg]

Dimensions

- 14"H x 12"W x 4.5"D
[355.6mm H x 304.8mm W x 114.3mm D]



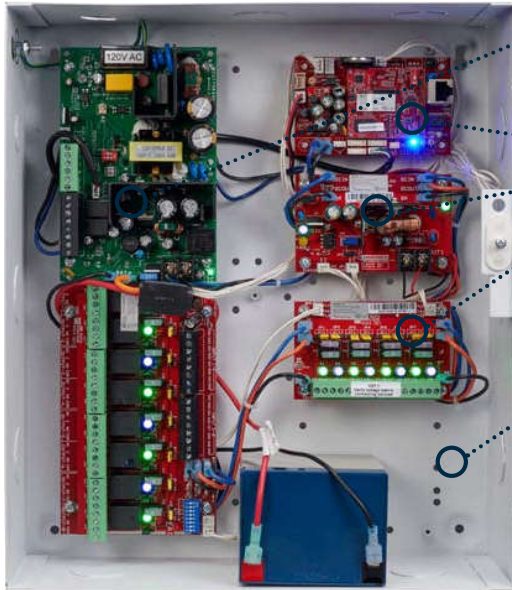
SECURITRON
ASSA ABLOY

US securitron.com | 800 626 7590 | customerservice.securitron@assaabloy.com

Canada assaabloydss.ca | 800 461 3007 | sales.dss.ca@assaabloy.com



Step by Step Configuration



- 1** Select One Power Supply Module
 - AQL4
 - AQL102
 - AQL6
 - AQL104
- 2** Select Required Modules*
 - B100
 - D8P
 - R8
 - NL4
 - D8
- 3** Choose Enclosure**
 - E1
- 4** Combine to Generate Final Part Number
 Example:
 AQL4 - B100 + D8 + R8 + NL4 + E1 =
AQL4-B100D8R8NL4E1

*When ordering more than one module, indicate quantity before the part number to generate final part number; for example AQL4-3D8E1.

**No enclosure = Module PCB only. Each module may be ordered separately.

Models

MODELS	AMPERAGE	RATED VOLTAGE	INPUT VOLTAGE	TYPICAL OUTPUT VOLTAGE	MULTI-VOLTAGE READY	CLASS 2 OUTPUTS
AQL4*	4 3	12 VDC 24 VDC	120/230 VAC	12.5 or 25 VDC	Yes	Yes
AQL6	6	12 or 24 VDC	120/230 VAC	12.5 or 25 VDC	Yes	with PTC distribution boards
AQL102	10	12 VDC	120/230 VAC	12.5 VDC	Yes**	with PTC distribution boards
AQL104	10	24 VDC	120/230 VAC	25 VDC	Yes	with PTC distribution boards

*AQL4 is field selectable. **Multi-voltage of 5 to 9 VDC only

How to Order

POWER SUPPLY MODULE	SECONDARY VOLTAGE MODULE	DISTRIBUTION MODULE	D8 FUSE STYLE	RELAY MODULE	NETLINK MODULE	ENCLOSURE
AQL4	-B100	2D8	P	R8	NL4	E1
AQL4	(blank)	(blank)	(blank) 3 A ATM Fuse	(blank)	(blank)	(blank) Module Only
AQL6	B100	D8	P 2.5 A PTC Polyswitch	R8	NL4	E1
AQL102		2D8		2R8		
AQL104		3D8		3R8		
		4D8				
		5D8				
		6D8				

AQL4 in an E1 enclosure has six module spaces where B100, NL4 and D8/D8P each take up one module space. R8 takes up two module spaces. AQL6, AQL102 and AQL104 in an E1 enclosure has four module spaces where B100, NL4 and D8/D8P each take up one module space. R8 takes up two module spaces.



No. 626



No. 622

190° Door Viewer No. 622, 622VC, 626

Material: Brass

Finishes: Antique bronze (ANT), brass (BRS), bright chrome (CRM), dull chrome (DCRM), satin nickel (STNN)

Other: Installation – drill $\frac{9}{16}$ " hole

Features: No. 626 features a privacy cover to prevent visual intrusion from outside of the room

No.	Inside Cover	For Doors	Weight	ANSI A156.16
622	No	$1\frac{3}{8}$ " to $2\frac{1}{8}$ "	0.1 lbs.	L03221, L03171
622VC	Cover only		0.1 lbs./10	
626	Yes	$1\frac{3}{8}$ " to $2\frac{1}{8}$ "	0.1 lbs.	L03221, L03171



No. 627, 628, 629

190° Door Viewer with Heavy Duty Privacy Cover No. 627, 628, 629

Material: Brass

Finishes: Bright chrome (CRM)

Other: Installation – drill $\frac{9}{16}$ " hole. UL fire rated for 1½ hours

Features: Heavy duty privacy cover to prevent visual intrusion from outside of the room

No.	For Doors	Weight	ANSI A156.16
627	$1\frac{3}{8}$ " to $2\frac{1}{8}$ "	0.1 lbs.	L03221, L03171
628	$\frac{9}{16}$ " to $\frac{13}{16}$ "	0.1 lbs.	L03221, L03171
629	$\frac{15}{16}$ " to $1\frac{1}{4}$ "	0.1 lbs.	L03221, L03171



Card Holder No. 651

Material: Cast brass

Finishes: Available in standard architectural finishes (see page 9)

Fastener: 2 ea. #8 x $\frac{3}{4}$ " OH SMS

No.	Size	Card Size	Opening	Weight
651	$2\frac{1}{2}$ " x $4\frac{1}{4}$ "	2 " x $3\frac{1}{2}$ "	$1\frac{3}{4}$ " x $3\frac{1}{4}$ "	0.2 lbs.

THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS No. 660

THIS DOOR TO REMAIN UNLOCKED WHILE BUILDING IS OCCUPIED No. 661

THESE DOORS TO REMAIN UNLOCKED WHILE BUILDING IS OCCUPIED No. 662-RKW

Decal No. 660, 661, 662-RKW

Material: Silver foil

Fastener: Self-adhesive mounting

Other: Black lettering

Size: $1\frac{1}{2}$ " x $2\frac{6}{12}$ "

ASSA ABLOY

The global leader in
door opening solutions