SARGENT®

ASSA ABLOY

7800/8200

Series Mortise Lock



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ASSA ABLOY, the global leader
in door opening solutions

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8200, R8200 & 7800 Mortise Locks

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SARGuide™ SARGuide

- The SARGuide illuminated mortise lock increases visibility of exit locations in dark or smoke-filled passages, supplementing existing codes for egress lighting
- SARGuide utilizes state-of-the-art FLATLITE electroluminescent lighting from E-Lite Technologies Inc.
- Green-blue electroluminescent light provides unsurpassed visibility in low light conditions
- SARGuide can be wired for continuous operation or activation by fire alarm system
- Mortise lock are placed low enough on a door to provide an extended window of opportunity for safe emergency egress
- Supplements building exit signs required by code
- Intuitive operation. Integral "EXIT" signage guides users directly to the means of egress
- SARGuide can be ordered by adding the TL option to any 8200 series mortise lock with WT Trim, which allows free egress
- Additional TL- Information available page 10

LiteGuide™

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the LiteGuide™ system, a luminescent egress marking system. LiteGuide™ installation is facilitated by ASSA ABLOY's ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door.

LiteGuide™ is a registered trademark of ASSA ABLOY Inc.



8200 Mortise SARGuide

On The Cover

- 8237 Multi Function Lock LNJ LHRB

Hardwiring Made Easy®

ElectroLynx®

As part of their promise to provide innovative, fast and effective high security solutions to their customers, certain ASSA ABLOY Group brands offer ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening.

ElectroLynx® is a registered trademark of ASSA ABLOY Inc.

MicroShield™

MicroShield®

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

MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield® lasts for the life of the hardware
- MicroShield® coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

agion®

Agion has achieved:

CERTIFIED CM
cradle to cradle
SILVER

Agion's silver antimicrobial has been certified for its material content, recyclability, and manufacturing characteristics. Cradle To Cradle Certified CM products meet established standards for human health, environmental health and recyclability.

Cradle To Cradle Certified CM is a certification mark of MBDC.

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Specifications and Certifications

8200, R8200 & 7800 Mortise Locks

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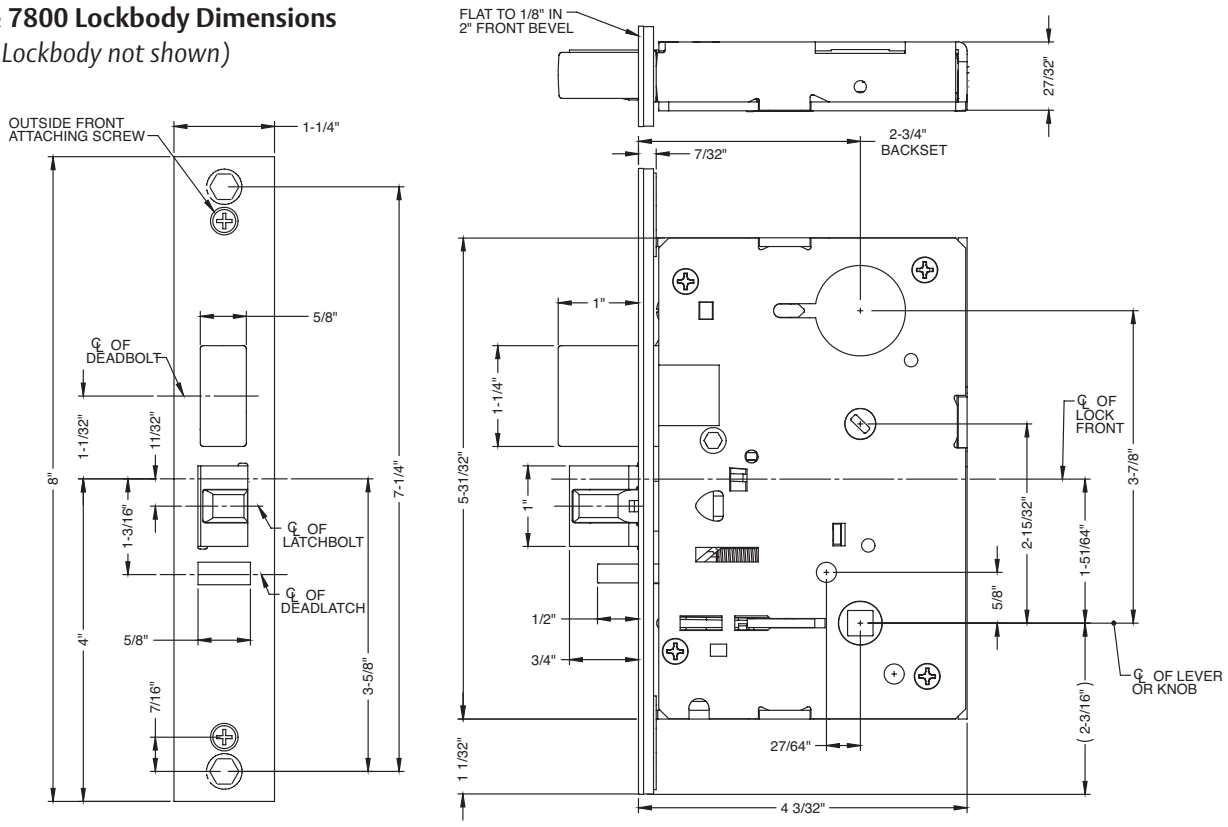
Certification Compliance

ANSI/BHMA	Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1 with all standard trims. ANSI/ASTM F476-84 Grade 40 with concealed mortise cylinder. Meets or exceeds ASTM F1577-95b paragraph 6.2 detention impact level 1 for deadbolt functions, level 3 for latchbolt only functions. **Note: LFIC (Removable) Cylinders and SFIC Cylinders do not meet Security Grade 1 requirements.**
ADA	Meets A117.1 Accessibility Code. Meets BOMA International 4.13.8 Complies with American Disability Act; Consult local authorities
UL	UL and UL Listed to 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 positive pressure requirements UL 10C and UBC 7-2 (1997)
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 pages 33-34

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.

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

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Features

8200, R8200 & 7800 Mortise Locks

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.

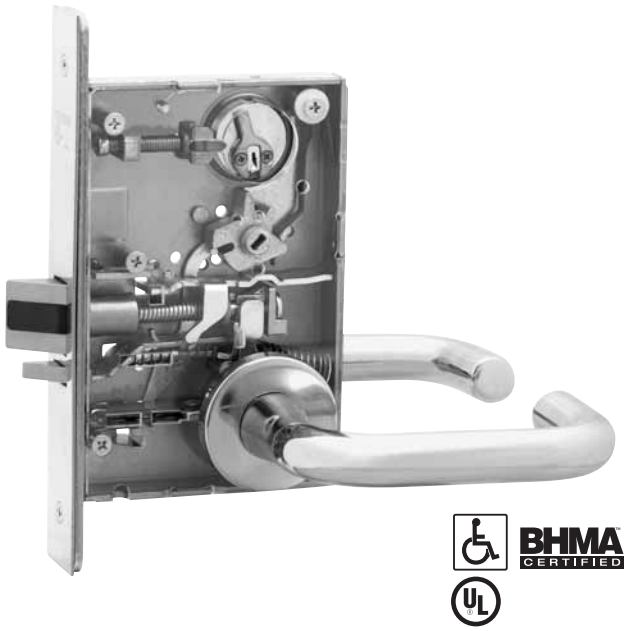
Specifications

- 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 Standard A115.1
- 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 A115.1; 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 A115.1 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

Maximum Strength & Durability

- Certified to and exceeds ANSI A156.13, Series 1000, Operational Grade 1 and Security Grade 1 with all standard trims
- Meets and exceeds ASTM F1577-95b paragraph 6.2 detention impact level 1 for deadbolt functions, level 3 for latchbolt only functions
- 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)

* U.S. Patent Numbers: 5,678,870; 5,992,195; 6,178,794; 7,188,870 & 7,452,012



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 (14) & Satin Nickel (15) finishes
- 58 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.

Innovation

- First in the industry to offer a multi-functional lockbody that embodies 9 functions in 1 lockbody!
- Easy operation. Only 30° of lever rotation required to retract latchbolt
- Lever springs contained inside of the lock case for easier installation
- SARGENT's revolutionary MicroShield® available. This antimicrobial silver-based finish coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. EPA and NSF approved and FDA listed
- Broad offering of electro-mechanical configurations offer higher security for the most demanding access/egress control applications featuring ElectroLynx quick connectors

Security

- Multiple security trim options available: free-wheeling, security escutcheon and anti-vandal pull trim (patent pending)
- Security key systems available (Signature, Keso, Keso F1, & XC)

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Simplí™ Roseless Trim and R8200 Mortise Locks

Information

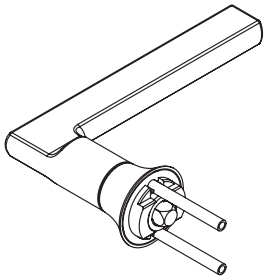
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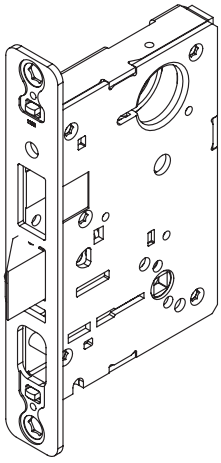
This elegant trim by SARGENT seamlessly unifies the lever and the door. Compatible with most Studio Collection and Coastal Series decorative levers, Simplí™ creates a flawless aesthetic vision on any door opening.

Simplí™ is offered on the R8200 Series mortise lock, which was specially designed to accept the roseless trim. In addition to the R8200 Series, Simplí™ is also available with the RDL Series tubular locks and Harmony R8200 Series mortise locks.

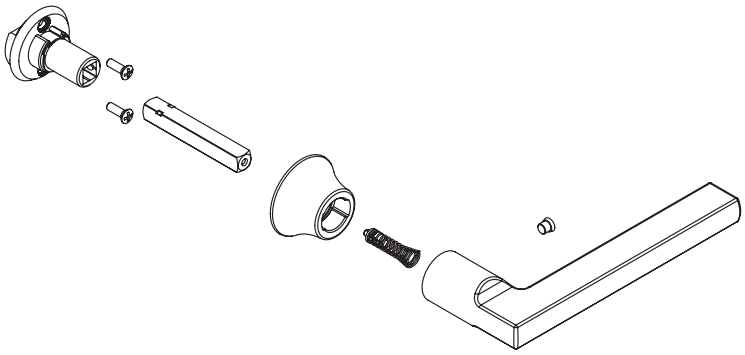
- Certified to and exceeds ANSI A156.13, Series 1000, Operational Grade 1 and Security Grade 1
- R8200 Series with Simplí™ trim is available with most 8200 functions
- Simplí™ roseless trim is available with Coastal Series (except C) and Studio Collection levers (except MC, MK, ML, MN, MP, MT and Gramercy)
- Selected levers return within ½" of the door face
- Simplí™ roseless trim is not compatible with the 8200 lockbody; can only be used with R8200 locks
- All standard cylinder options are available



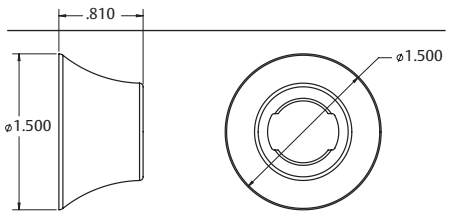




Exploded view of the Simplí™ roseless trim and R8200 lockbody



Simplí™ Collar



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Studio Collection Levers

8200 & R8200 Mortise Locks

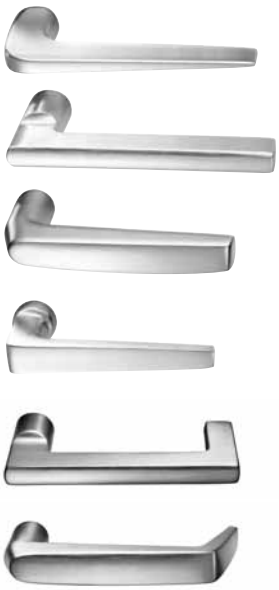
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Studio collection™

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 and P Series Exits Devices, DL and RDL Series Tubular Locks.

All levers meet ADA compliance for national codes.

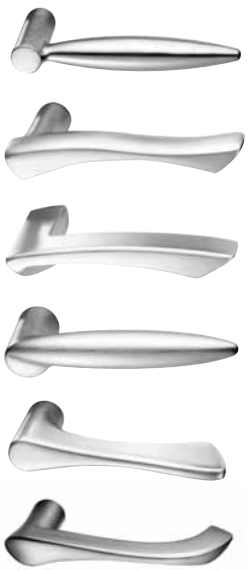
Centro Series



MC[1/3]
MD
MJ
MP[3]
ND[2]
NJ[2]

Notting Hill Series

(Handed Levers)



MA[1]
MQ
MT[3]
MM
MR[1]
MY[2]

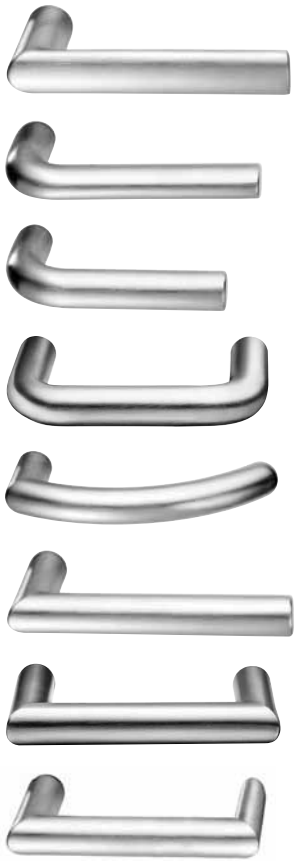
Rialto Series

(MZ Lever is Handed)



MO
MZ[2]

Aventura Series



MB
ME
MF
NF
MG
MI
NI[2]
MW[2]

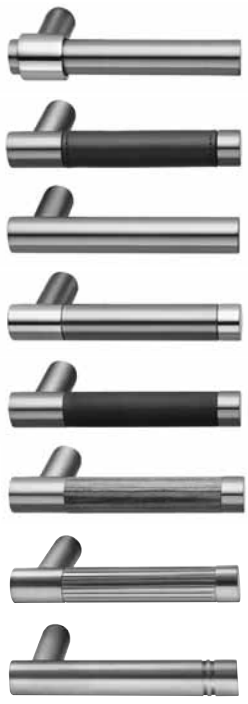
Odéon Series

(Handed Levers)



MN[3]
MH
MK[3]
MS
MU
MV
MX[2]
NS[2]
NU[2]

Gramercy Series[4]



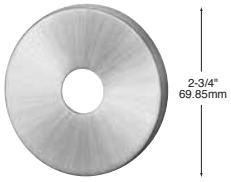
RCM[3]
RAL[3]
REM[3]
RAM[3]
RAS[3]
RAW[3]
RAG[3]
RGM[3]

[1] Contact factory for current lead times
[2] Lever returns within 1/2" (13mm) of door face
[3] Levers are not available with Simpli™ Roseless trim
[4] Gramercy levers are customized. See page 31 for ordering information

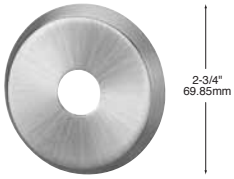
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Roses
(8200 Series)

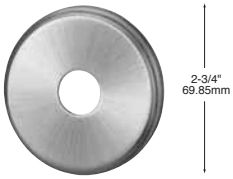
O Rose



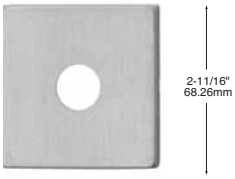
CO Rose



TO Rose



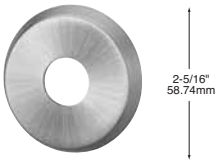
E2 Rose[1]



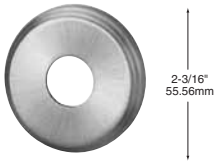
LN Rose



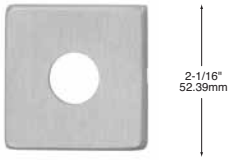
CR Rose



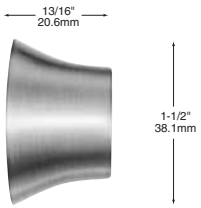
TR Rose



E3 Rose[1]



Simplí™ Roseless Collar
(R8200 Series)



Thumbturns
(8200 & R8200 Series)
Thumbturn backplate will match rose design chosen. See page 8 for more information.

T1 Turn



T2 Turn



T3 Turn



Escutcheons
(8200 Series)

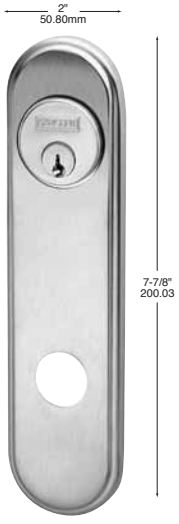
LE1 Escutcheon



CE Escutcheon



TE Escutcheon



[1] 1KA square cylinder collar and 130KA square backplate automatically supplied with E2 and E3 roses.

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Coastal Series™ & Standard Levers

8200 Mortise Locks

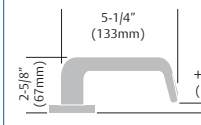
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Coastal Series
(8200 & R8200 Series)

Features
- All levers meet ADA compliance for national codes
- Coronado lever returns within 1/2" (13mm) or less of door face and meets California State Reference Fire Code
- Not available with CO and TO roses
- Levers are solid cast brass
- Finishes available – 3, 4, 9, 10, 10B, 10BL, 14, 15, 20D, 26, 26D
- All lever height (+/- 1/16") measurements represent total distance from door face

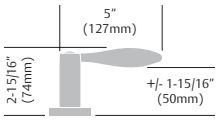
C - Coronado™

Not availlable with Simpli™ roseless trim



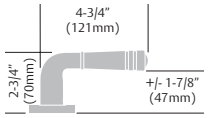


G - Gulfport™ (Handed)



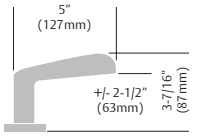


R - Rockport™



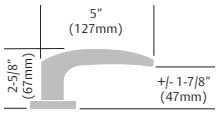


S - Sanibel™ (Handed)





Y - Yarmouth™ (Handed)

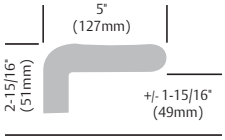




Standard Levers
(8200 Series Only)

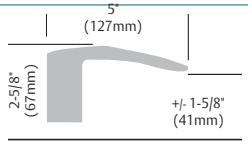
Features
- All levers meet ADA compliance for national codes
- Solid forged or cast
- Lever designs C, J, L and P have lever returns within 1/2" (13mm) or less of door face and meet California State Reference Fire Code
- All lever height (+/- 1/16") measurements represent total distance from door face

A (Handed)



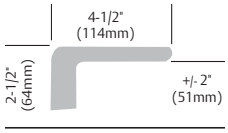


B



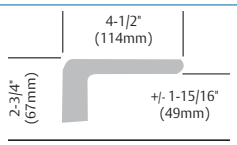


E



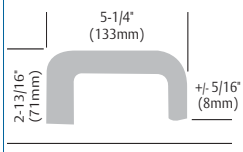


F



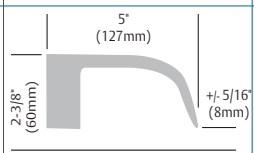


J



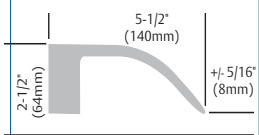


L



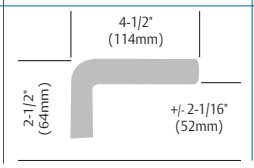


P





W



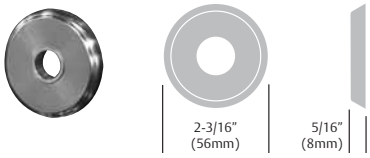


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Coastal Series Roses & Escutcheons

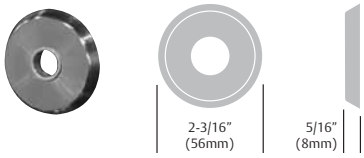
TR Traditional Rose

- Dual radii edge



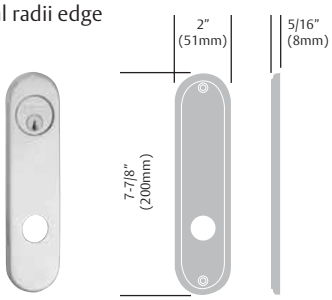
CR Contemporary Rose

- Beveled edge



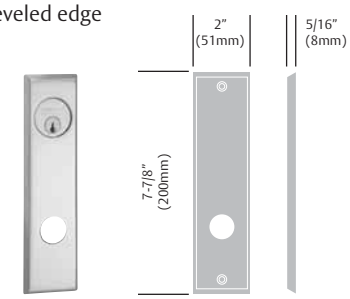
TE Traditional Escutcheon

- Dual radii edge



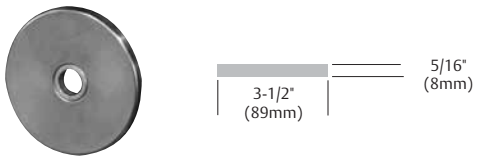
CE Contemporary Escutcheon

- Beveled edge

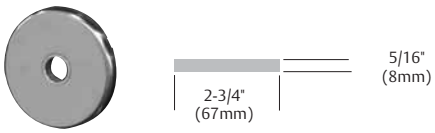


Standard Roses

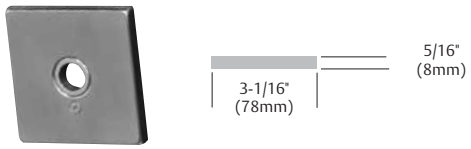
L Rose



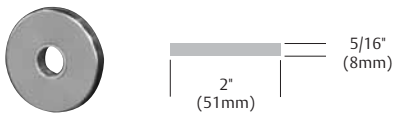
O Rose



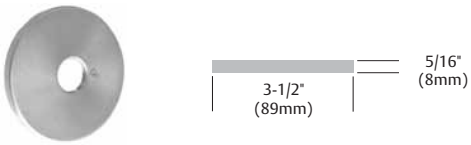
E Rose



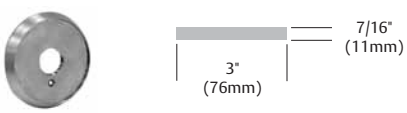
LN Rose



SL Rose



BH Rose

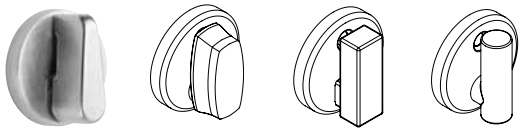


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Thumbturn Designs

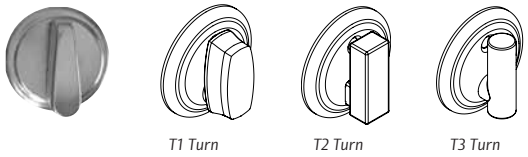
8200/R8200/7800 Mortise Locks

130KB Round Backplate
(Shown with Standard Turn)



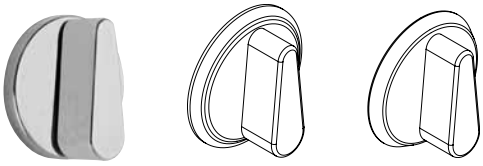
- Round backplate supplied standard with L, O, LN roses and R8200 roseless trim
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- Meets ADA Requirements

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, bronze or stainless steel plate
- Meets ADA Requirements

130LB Large Round Backplate
(Shown with Large ADA Turn)



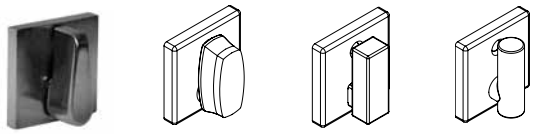
- Available with R8200 & 8200 with sectional trim
- 40% larger than standard thumbturn
- Specify LB as an option for ADA turn
- 2" (51mm) round brass, bronze, or stainless steel plate & turn
- 130LT - Traditional backplate, 130LC - Contemporary backplate
- Meets ADA Requirements

126 T-Turn
(7892 function only)



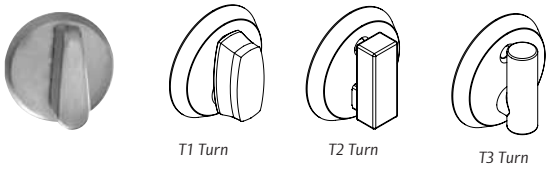
- 2-3/16" (56mm) round backplate
- 2-3/8" (61mm) tall thumbturn
- Available in brass or bronzefinishes only
- Surface mounted with three screws
- Order as "SST" trim with 7892 function

130KA Square Backplate
(Shown with Standard Turn)



- Square backplate supplied standard with E, E2 or E3 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, bronze 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, bronze or stainless steel plate
- Meets ADA Requirements

130KBH Turn for use with BHL Trim



- 11-1/2" (38mm) round brass or stainless steel plate
- Only available with BHL trim

130KALP Turn for use with 8200 Mortise ALP Trim



- 2-3/4" x 1-13/16" rectangular shape
- Brass or stainless steel housing
- Only available with ALP trim
- Meets ADA Requirements

130W Round Backplate
(Shown with Standard Turn)



- Used with 7800 with sectional trim
- 1-1/2" (38mm) round brass, bronze or stainless steel plate

130KBHW Turn for use with 8200 BHW Trim



- 2-1/4" round
- Stainless steel
- Only available with BHW trim
- Meets ADA Requirements

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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

Indicators

49- Option Visual Status Indicator for Non Secure Applications

- Designed to work with Classroom Security functions
- Red/White indicator plate standard, field replaceable OCC/VAC plate included

Inside Only



185C

- Mounts on inside of door
- Not available with escutcheon trim
- Functions and Roses available:
  - — 30 & 37 Functions with R8200 locks, CR, L, LN, TR, E & O Roses
  - — 26, 29, 38, 39, 40 and 41 Functions with R8200 locks & LN Roses Only
- As retrofit, order 185C x finish

49- Option Occupancy Indicator with Emergency Release

- Ideal for restrooms or conference rooms where easy determination of use needs to be made
- OCC/VAC indicator plate standard, field replaceable Red/White plate included



185P

- Mounts on outside of door
- Not available with escutcheon trim
- Emergency coin operated release standard
- As retrofit, order 185P x finish
- Functions and Roses available:
  - — 65, 66, 68 Functions with R8200 locks, CR, E, L, LN, O & TR Roses

50- Option Secured Indicator Rose

- Non-handed with lever and mounting posts field reversible
- VAC/OCC indicator plate standard, field replaceable Red/White plate included



- Mounts on outside of door
- Not available with escutcheon trim
- Available for the following functions: 24, 25, 26, 28, 29, 30, 36, 37, 38, 39, 40, 41, 43, 45, 50, 51, 52, 67 - with Rose Trim only
- Patent pending design
- 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

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 32 for a complete list of kits

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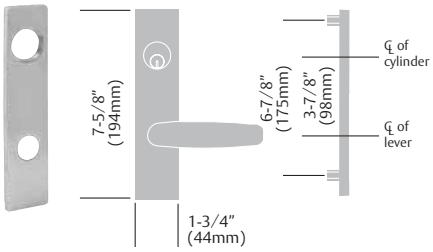
Escutcheon Designs

8200 Mortise Locks

Cylinders will protrude from escutcheon face on double cylinder functions only

LE1/LE2 Escutcheon Design

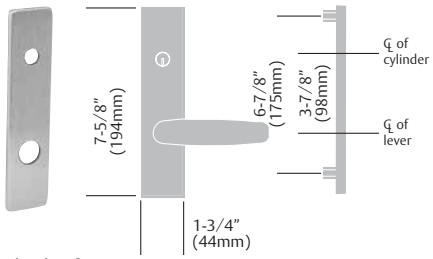
- Escutcheon: LE-Cast
- LE1- (2) Exposed screws inside
- LE2- (2) Concealed screws inside
- LE1 is available with standard, Coastal & Studio Levers
- LE2 is available with standard levers only



(Shown with L Lever)

LE3/LE4 Escutcheon Design

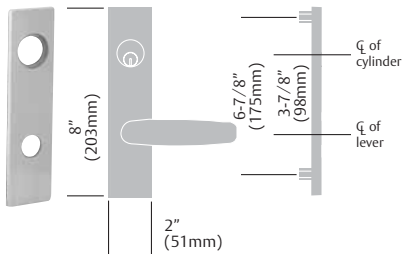
- Concealed Cylinder designed Escutcheon, Exposed Barrel Only
- Escutcheon: LE-Cast
- LE3- (2) Exposed screws inside
- LE4- (2) Concealed screws inside
- Not available on double cylinder functions
- Only available with #41 size cylinders - limited keyway and key system offerings – see cylinders section
- If cylinder is ordered separately: specify 78- for concealed cylinder
- LE3 & LE4 are available with standard levers only



(Shown with L Lever)

LW1 Escutcheon Design

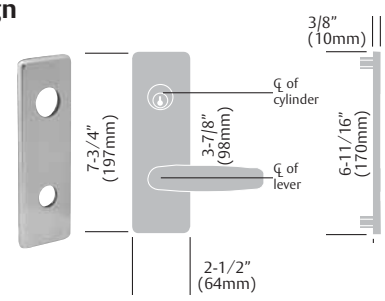
- Escutcheon: LW1- Wrought
- (2) Exposed screws inside
- LW1 is available with standard levers only



(Shown with L Lever)

LS Escutcheon Design

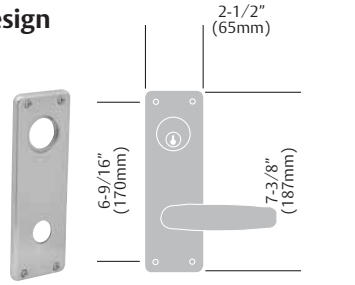
- Escutcheon: LS-Forged
- Security Trim: Cylinder is protected by the Escutcheon
- (4) Spanner security screws are exposed on inside trim standard
- LS is available with standard levers only



Note: The LS Escutcheon is not available with cylinder options: 10-63-, 11-60-, 11-63-, 11-64-, 60-, 63-, 64-, 70-, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82-, 83-, 84-, F1-82-, F1-82- & F1-83-. Also not available with electrified functions: 70, 71, 72, 73.

WT Escutcheon Design

- Escutcheon: WT-Heavy wrought
- Surface mounted both inside and outside
- (4) Exposed screws both inside and outside
- WT is available with standard levers only



(Shown with L Lever)

SARGuide™ 8200 Mortise Lock (TL- Option)

- Escutcheon: TL-WT Heavy wrought
- Surface mounted both inside and outside
- (4) Exposed screws both inside and outside
- SARGuide opening 2" x 3/4"
- TL-WT is available with standard levers only



SARGuide™

Note: SARGuide is only available with TL- WT Escutcheon.

SARGuide™, with integrated electroluminescent "EXIT" signage, addresses the increasing concern about safe public egress, particularly in low-visibility conditions. SARGuide™ can be wired for continuous operation or for operation only when an emergency alarm is activated.

Mortise Features

- Lamp can be used on internal trim (for external trim, consult factory)
- Includes all features of the 8200 Mortise Lock
- Available with WT escutcheon design only and all standard lever designs. Must specify TL- Option when ordering.

SARGuide™ Features

- Illuminated utilizing the patented FLATLITE® electroluminescent lamp embedded within the mortise lock escutcheon
- Dual voltage: 24VAC or VDC input with battery back-up
- Lamp replacement kit available

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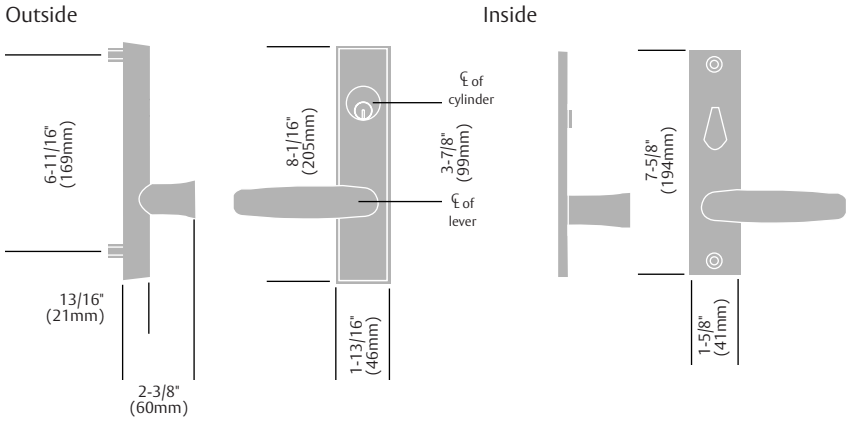
Freewheeling (FE) Trim Design
ADA and Handicap Warning

8200 Mortise Locks

SARGENT
ASSA ABLOY



8225 FEL shown



Vandal Resistant Freewheeling Lever

Maximum projection varies by lever design. Largest projection is "A" lever – 3-9/16" (90mm)

Features

The Freewheeling Mortise Trim is designed for areas that are susceptible to vandalism including schools, universities, public buildings, back doors of businesses and any exterior doors where excessive or abusive force might be applied to the lever handle trim.

This design allows the outside lever handle to swing freely, down to 70°, in the "locked" mode. This eliminates resetting the trim after vandalism attempts because the lever automatically returns to its original position.

- For 1-3/4" (44mm) doors standard. For 2" (51mm) and 2-1/4" (57mm) thick doors, must specify door thickness on order.
- **Vandal resistant trim**
- Meets or exceeds ANSI A156.13 Series 1000 Operational Grade 1 and Security Grade 1. LFIC (Removable) and SFIC cylinders do not meet Security Grade 1.
- Forged brass outside escutcheon trim provides added protection against vandalism
- Stainless steel lever bushing protects against wear
- Stainless steel lugs and through-bolted trim design for proper alignment and increased security
- Functions available – 04, 05, 16, 24, 25, 26, 31, 35, 36, 37, 38, 39, 40, 50, 51, 65, 66
- Levers A, B, E, F, J, L, P, W available
- Lever designs J, L and P have lever returns within 1/2" (13mm)
- Cylinder will protrude from escutcheon face on double cylinder functions only
- Cylinder sizes #46 (1-3/4") outside, #41 (1-1/8") inside standard on 1-3/4" (44mm) doors
- Specify hand. Easily field rehanded
- Patented design – U.S. Patent No. 5,992,195
- Options available: 3-, 10-, 10-UL-, 11-, 11-60-*, 11-63-*, 11-64-*, 11-70-7P-*, 11-72-7P-*, 11-73-7P-*, 11-65-73-7P-*, 21-, 23-, 36-, 37-, 60-*, 63-*, 64-*, 70-*, 72-*, 73-*, 65-73-*, 65-73-7P-*, 73-7P-*, 74-, 75-, 76-, 77-, 82-, SG- & WBS-

* Can not be used as the inside cylinder with freewheeling trim (#41 cylinder required)

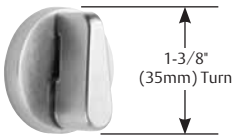
ADA and Handicap Warning

Lever Return to Door



- Lever designs J, L and P
- Lever returns within 1/2" (13mm) of door face or less
- Meets ADA Compliance for national codes

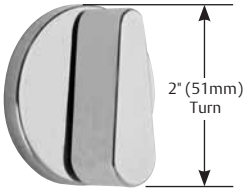
Standard Thumbturn



- Meets ADA Compliance for national codes
- Order as: 130KB, 130KC, 130KT, 130W or 130KA x finish

See page 8 for design

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 8 for design

Tactile Handicapped Warning



- Abrasive Coating: Options 85-, 86- & 87-
- Milled 1/16" Grooves: Options 75-, 76- & 77-
  - B, E, J, L, P and W Levers – Grooves on backside surface of lever
  - F Lever – Grooves on top and bottom surface of lever

Tactile Handicapped Warning



- Knurled B & C Knobs available
- Knobs are NOT ADA compliant

Keys

- Large key bows are available
- Standard key bows can have attachments added to increase the grip area
- Keys are NOT ADA compliant

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Behavioral Health Series™ Trim

8200 Mortise Locks

SARGENT®
ASSA ABLOY

8200 Push/Pull Trim (ALP)



(Paddle shown horizontally)

The 8200 mortise lock with push/pull trim provides an aesthetically-pleasing alternative to standard push/pull products. Ease of operation, along with the strength, versatility and integrity of the 8200 mortise lock, allows its use in many types of environments. Perfect for health care facilities, including behavioral health units, patient room doors and operating rooms.

Features

- Paddles can be mounted in vertically (up or down) and horizontally (towards hinge)
  - with Cylinder - paddle mounts vertically down or horizontally
- Easy installation
- Trim is non-handed; lockbody is easily field reversible
- Through-bolted trim for stability
- Torx® and spanner screws optional with ALP
- Lead lining is optional (Lockbody only), specify 74- option
- Covers are cast stainless steel or brass
- Paddles are cast stainless steel or brass
- Finishes: 03, 04, 09, 10, 10B, 10BL, 14, 15, 20D, 32 & 32D
- U.S. Patent Numbers: D646,548S; D646,549S

See Specialty Hardware Catalog 90712 for more details

8200 Series with BHW* Trim



Part of the Behavioral Health Series™ of products, the 8200 mortise lock with BHW trim provides an innovative solution for behavioral health environments. The unique integrated lever and escutcheon combines aesthetics with safety. Ease of operation, along with the strength and versatility of the 8200 mortise lock allows its use in many applications.

Features

- Available in 37 functions
- Uses standard mortise prep
- ANSI/BHMA Grade 1
- Tapered surfaces on all components
- Handed
- Available with Microshield® antimicrobial coating
- ADA Compliant
- Matching thumbturn available
- Finishes: 32 & 32D
- 6 Lobe head security screws (Torx® type)
- Patent Pending

See Specialty Hardware Catalog 90712 for more details

8200 with BHL* Trim



The SARGENT BHL trim is part of the Behavioral Health Series™ of products. With an array of functions, this trim can be used on virtually any opening in healthcare applications. Sloping surfaces and overlapping rose and lever address safety concerns common in behavioral health. Optimal for tough environments, the SARGENT 8200 mortise lock provides impressive strength and reliability.

Features

- Available in 21 functions
- UL Fire Rated
- ANSI/BHMA Grade 1
- Bi-directional lever (outside only)
- Sloped surfaces
- Non-Handed
- Concealed hardware
- Overlapping lever and rose construction
- ADA compliant
- Finishes: 32 & 32D
- Available with Microshield® antimicrobial coating

See Specialty Hardware Catalog 90712 for more details

* Although these products are better designed for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.

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7800 PT Push/Pull Trims and 7800/8200 Anti-Vandal Option

8200 & 7800 Mortise Locks

SARGENT®
ASSA ABLOY

7800 Push/Pull Trim (PT)



(Paddle shown horizontally)

Typically used in the healthcare environment, push/pull trim is known for its ease of operation. Because the mortise lock with trim is more durable and secure than a cylindrical lock, conference rooms, handicapped restrooms, laboratories and pharmacies are appropriate applications.

Features

- Paddles can be mounted in vertically (up or down) and horizontally (towards hinge)
  - with Cylinder - paddle mounts vertically down or horizontally
  - with thumb turn - paddle mounts horizontally only
- Handing is easily field reversible
- Through-bolted trim for stability
- Functions available: 04, 15, 16, 17, 24, 26, 37, 43, 45, 50, 65
- Paddles & Covers are cast stainless steel, brass or bronze

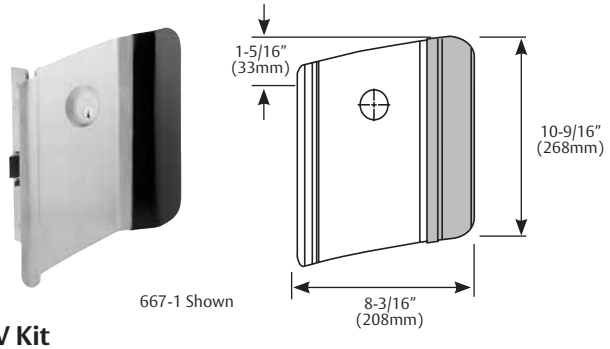
See Specialty Hardware Catalog 90712 for more details

7800/8200 Anti-Vandal Trim (AV)

Designed for exterior doors that require extra security or resistance to vandalism. AV anti-vandal trim plates have an extended lip on the active side of the door to provide extra protection for the latchbolt, deadbolt and deadlatch. A matte plastic coated grip edge provides a comfortable pull that feels good over wide temperature ranges. Fully through-bolted without exposed exterior fasteners for a clean look and increased security.

Features

- Heavy duty 12 gauge stainless steel in 32D finish only
- Through-bolted through mortise lockbody and door for added strength
- Handed: specify RHRB or LHRB
- ADA Compliant
- Patent Pending
- Available with all inside trim except LS/KS, FE and PT
- Options not available with AV trim: 1-, 31-, 49-, 50-, 68-, 69, 76, 77-, 85, 86, 87, DX- & SG-
- See chart to right for available functions
- For inactive door, available without protective lip
- Anti-Vandal Trim is available as a 667-_ Kit or with the lock, as an "AV" option



667-1 Shown

667 AV Kit

Retrofit kits for 7800, 7900, 8200 & 9200 mortise locks 667 Kit includes:

- AV Pull
- (4) 1/4-20 screws
- (4) Cup washers
- 1SB Rosette
- Instructions & Templates

RHRB	LHRB	Functions
667-1 82-4034	667-2 82-4035	04, 06, 17, 28, 29, 30, 31,50, 51, 52, 91 & 92 -1 & -2 Trim has an extended lip, cylinder hole and through-bolt post for mounting Inside trim
667-3* 82-4036	667-4* 82-4037	03, 20, 21, 22, & 23 -3 & -4 Trim has an extended lip & cylinder hole for deadbolt functions only
667-5* 82-4044	667-6* 82-4045	-5 & -6 Trim is designed as a Pull does not have an extended lip or cylinder hole

* For Deadbolt Functions only without lever trim

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Knob and Escutcheon Designs

7800 Mortise Locks

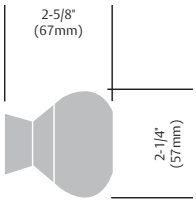
SARGENT®
ASSA ABLOY

- B and C knob designs only are available with standard roses (LN, O, L & E) and escutcheons (KE1/KE2, KE3/KE4, KW1, & WT).

C Knob Design

- Knob: C-Wrought

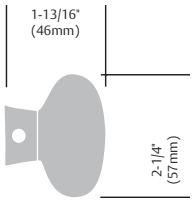




K Knob Design

- Knob: K-Cast
(prior designation 1485)
Only with KS escutcheon.

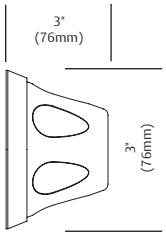




D Knob

- Machined from Stainless Steel
- Only available with BH or SL Rose
- Finishes: 32 & 32D
- Options not available: 75, 76, 77, 85, 86 & 87

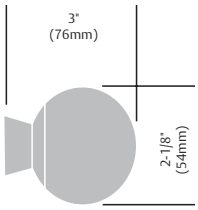




B Knob Design

- Knob: B-Wrought

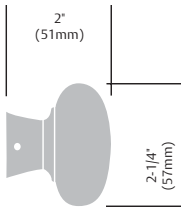




N Knob Design

- Knob: N-Wrought
(prior designation 1673)
Only with WT escutcheon





BH Rose

- Available with D Knob only
Must be ordered as BHD Trim



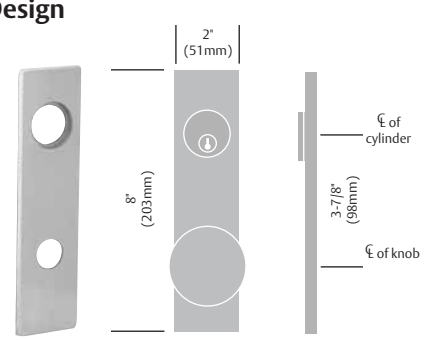
SL Rose

- For Detention Knob x lever or knob, please consult factory



KW1 Escutcheon Design

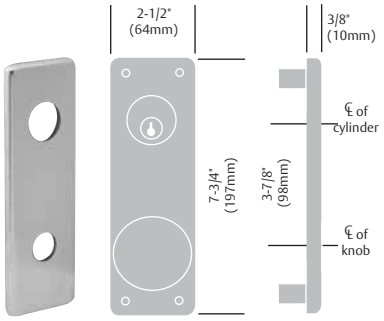
- Escutcheon: KW1-Wrought
- (2) Exposed screws inside
- Available with B & C knobs only



(Shown with B Knob)

KS Escutcheon Design**

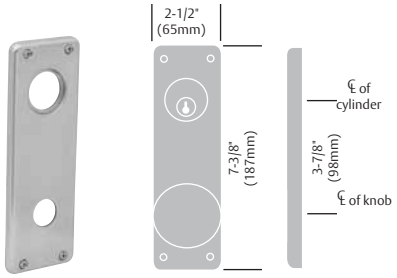
- Security Trim: cylinder is protected by escutcheon
- Escutcheon: KS-Forged
- (4) Spanner screws are exposed on inside trim
- All functions will have escutcheons both sides
- Available with K knob only



Outside

WT Escutcheon Design

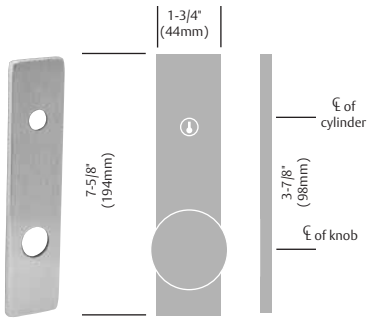
- Escutcheon: WT-Heavy wrought
- Surface mounted
- (4) Exposed screws inside and outside
- Available with B, C & N knobs only



(Shown with B Knob)

KE3/KE4 Escutcheon Design

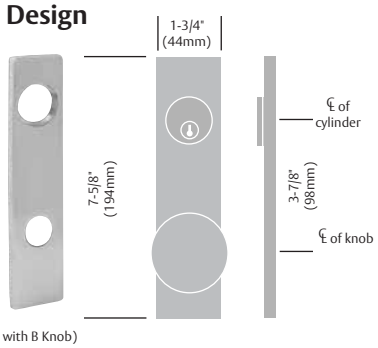
- Concealed Cylinder designed Escutcheon, Exposed Barrel Only
- Escutcheon: KE3-Cast
- KE3- (2) Exposed screws inside
- KE4- (2) Concealed screws inside
- Not available on double cylinder functions
- Only available with #41 size cylinders - limited keyway and key system offerings – see cylinders section
- If cylinder is ordered separately: specify 78- for concealed cylinder
- Available with B & C knobs only



(Shown with B Knob)

KE1/KE2 Escutcheon Design

- Escutcheon: KE1-Cast
- KE1- (2) Exposed screws inside
- KE2- (2) Concealed screws inside
- Available with B & C knobs only



(Shown with B Knob)

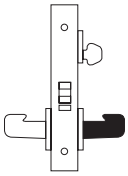
** KS Escutcheon is not available with cylinder options:10-63-, 11-60-, 11-63-, 11-64-, 60-, 63-, 64-, 70-, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82-, 83-, 84-, F1-82-, F1-82- & F1-83-. Also not available with electrified functions: 70, 71, 72, 73.

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Single Cylinder without Deadbolt

*‡04 Storeroom or Closet

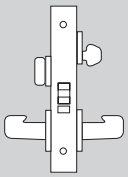
8200, R8200 & 7800



- 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**

*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**

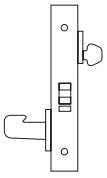
The Multi-Function Advantage with rose trim:

1. Lock will accommodate 04, 05, 15 & 37 functions without additional parts.
2. By adding an additional cylinder, lock will accommodate 17 & 38 functions.
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.

06 Storeroom or Service

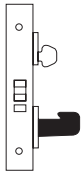
8200, R8200 & 7800



- 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

✦*31 Utility

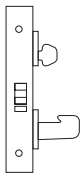
8200, R8200 & 7800



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

*✦36 Closet

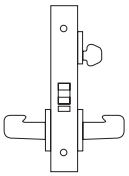
8200, R8200 & 7800



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

*‡37 Classroom

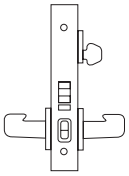
8200, R8200 & 7800



- 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

55 Office or Entry

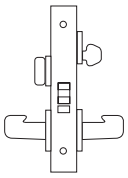
8200, R8200 & 7800



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

56 Office & Inner Entry Lock

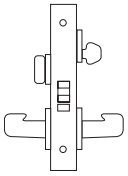
8200, R8200 & 7800



- Key outside retracts latchbolt
- Trim inside always retracts latchbolt and unlocks outside trim
- Trim outside is locked by thumbturn or key
- Auxiliary deadlatch

67 Institutional Privacy

8200, R8200 & 7800



- Key outside retracts latchbolt, overriding thumbturn when held in locked position
- Thumbturn inside locks & unlocks outside trim
- Trim outside unlocks when the door closes or by operating trim inside
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- **ANSI F26**

Note: Key does not lock trim outside, only unlocks it

*8200 Available with Freewheeling Trim

‡ 7800 Available with Push/Pull Trim

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

If shaded, knob or lever rigid at all times

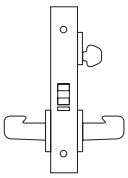
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Functions & Descriptions

8200, R8200 & 7800 Mortise Locks

89 Holdback

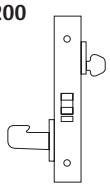
8200



- Key outside retracts latchbolt, also locks & unlocks outside trim
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- Latch holdback- to set, rotating & hold lever, then rotate key twice toward latchbolt. Lever will remain in rotated position indicating it is unlocked
  - **ANSI F06**

91 All Purpose Holdback

8200

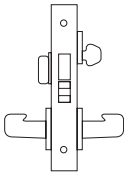


- Key outside retracts latchbolt
- Key outside can lock latchbolt in retracted position
- Trim inside always retracts latchbolt
- No outside trim
- Auxiliary deadlatch
- Latch holdback- set by rotating & holding trim, then rotate key toward latchbolt. Lever will remain in rotated position for unlocked indication

Single Cylinder with Deadbolt

✦*‡24 Room Door

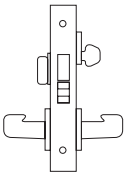
8200, R8200 & 7800



- Key outside or thumbturn inside retracts and projects deadbolt
- Trim either side retracts latchbolt
- Latchbolt & deadbolt operate independently of each other
  - **ANSI F21**

*25 Dormitory or Exit

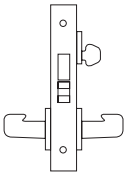
8200, R8200 & 7800



- Key outside or thumbturn inside retracts and projects deadbolt
- Trim from either side retracts latchbolt, when the deadbolt is in the retracted position
- Trim outside is locked, when the deadbolt is projected
- When deadbolt is projected, Trim inside retracts latchbolt and deadbolt simultaneously, unlocking outside trim
  - **ANSI F13**

✦27 Closet or Storeroom

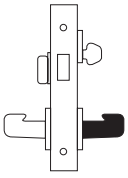
8200, R8200 & 7800



- Key outside retracts and projects deadbolt
- Trim from either side retracts latchbolt
- Same as 24 function without thumbturn
- Latchbolt & deadbolt operate independently of each other

28 Dummy Trim Deadlock

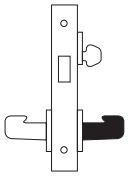
8200, R8200 & 7800



- Deadbolt operation only
- Key outside retracts and projects deadbolt
- Trim inside always retracts deadbolt
- Trim outside is always locked
- Thumbturn inside retracts and projects deadbolt

30 Dummy Trim Deadlock

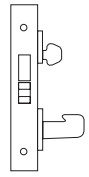
8200, R8200 & 7800



- Deadbolt operation only
- Key outside retracts and projects deadbolt
- Trim inside always retracts deadbolt
- Trim outside is always locked
- Same as 28 Function without a thumbturn

✦*35 Storeroom

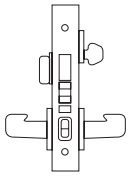
8200, R8200 & 7800



- Key outside retracts and projects deadbolt
- Trim outside retracts latchbolt, except when deadbolt is projected
- No inside trim or cylinder

‡43 Apartment Corridor Door

8200, R8200 & 7800



- Key and thumbturn both retract & project the deadbolt
- Trim outside is locked by toggle or projecting deadbolt
- Trim outside is unlocked by toggle only
- Key retracts both latchbolt and deadbolt, trim outside remains locked
- Trim inside always retracts latchbolt (and deadbolt simultaneously), trim outside remains locked
- Auxiliary deadlatch
  - **ANSI F20**

*8200 Available with Freewheeling Trim

‡7800 Available with Push/Pull Trim

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

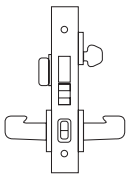


If shaded, knob or lever rigid at all times

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‡45 Dormitory or Exit

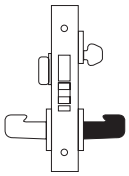
8200, R8200 & 7800



- Key and thumbturn both retract & project deadbolt
- Trim outside is locked by toggle or projecting deadbolt
- Trim outside is unlocked by toggle only
- Key retracts both latchbolt and deadbolt, trim outside remains locked
- Trim inside always retracts latchbolt (and deadbolt simultaneously), trim outside remains locked
- Same as an 8243 without Auxiliary Deadlatch
- **ANSI F12**

*‡ 50 Hotel Guest

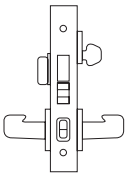
8200, R8200 & 7800



- Hotel Cylinder (50 Function) Required (Standard & Emergency Keys)
- Standard Key retracts latchbolt only, will not retract or project deadbolt
- Emergency Key will retract latchbolt & deadbolt and also project deadbolt
- Thumbturn retracts & projects deadbolt
- Trim inside retracts latchbolt & deadbolt simultaneously
- Trim outside is always locked
- Auxiliary deadlatch
- Available with Conventional, LFIC (60- & 63-) and Keso (82- & F1-82-) key systems
- **ANSI F15**

✦47 Front Door or Apartment Corridor Door

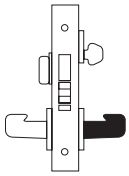
8200, R8200 & 7800



- Key and thumbturn both retract & project deadbolt
- Trim outside is locked by toggle or projecting deadbolt
- Trim outside is unlocked by toggle only
- Key retracts both latchbolt and deadbolt, trim outside remains locked
- Trim inside retracts latchbolt only, deadbolt is retracted manually & trim outside remains locked
- **ANSI F08/F10**

*51 Storeroom Deadbolt

8200, R8200 & 7800

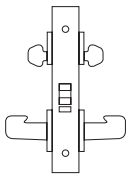


- Key and thumbturn both retract & project the deadbolt
- Key will also retract latchbolt
- Trim inside retracts latchbolt & deadbolt simultaneously
- Trim outside is always locked
- Auxiliary deadlatch
- Same as 50 function with a std. cylinder

Double Cylinder without Deadbolt

*‡16 Apartment, Exit or Public Restroom

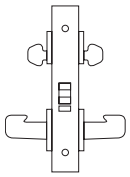
8200, R8200 & 7800



- Key outside retracts latchbolt
- Key inside is required to lock and unlock trim outside
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- Special -105 cam, required for inside cylinder (supplied)
- **ANSI F09**

*38 Classroom Security Intruder Latchbolt

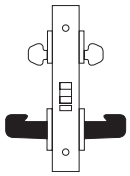
8200, R8200 & 7800



- Key from either side locks & unlocks outside trim
- Key from either side retracts latchbolt
- Trim outside retracts latchbolt, except when locked
- Trim inside always retracts latchbolt
- A Multi-Function 8200/R8200/7800 Lockbody
- Auxiliary deadlatch
- **ANSI F32**

✦‡17 Asylum or Institutional

8200, R8200 & 7800



- Key from either side retracts latchbolt
- Trim on both sides are locked at all times
- A Multi-Function 8200/R8200/7800 Lockbody
- Auxiliary deadlatch
- **ANSI F30**

*49-8238 Classroom Security Intruder with Indicator



- 49- Indicator offers visual confirmation that a door is secure or not, allowing for quick response in a crisis
- Trim inside always allows immediate egress
- Key from either side locks & unlocks outside trim
- Key from either side retracts latchbolt
- Trim outside retracts latchbolt, except when locked
- Auxiliary deadlatch
- **ANSI F32**

*8200 Available with Freewheeling Trim

‡7800 Available with Push/Pull Trim

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



If shaded, knob or lever rigid at all times

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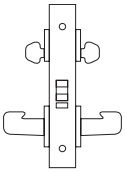
Functions & Descriptions

8200, R8200 & 7800 Mortise Locks

SARGENT®
ASSA ABLOY

✦59 Double Locking

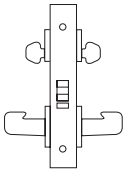
8200 & R8200



- Key from either side locks & unlocks both the inside & outside trims
- Key from either side retracts latchbolt
- Key from either side can retract latchbolt without unlocking trims
- Auxiliary deadlatch

90 Classroom Security Holdback

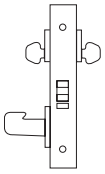
8200



- Key from either side retracts latchbolt, also locks & unlocks outside trim
- Latchbolt can be locked in the retracted position by key from either side
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- Latch holdback- to set, rotating & hold lever, then rotate key twice toward latchbolt. Lever will remain in rotated position indicating it is unlocked

92 All Purpose Holdback

8200 & 7800

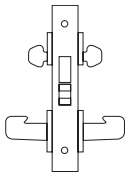


- Key outside retracts latchbolt
- Key inside can lock latchbolt in retracted position when the lever is rotated
- Trim inside always retracts latchbolt
- No outside trim
- Auxiliary deadlatch
- 7892 "T " turn is used in place of knob
- Special -105 cam required for inside cylinder (Supplied Standard)
- Latch holdback- to set, rotating & hold lever, then rotate key twice toward latchbolt. Lever will remain in rotated position indicating it is unlocked

Double Cylinder with Deadbolt

✦*‡26 Store Door

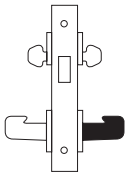
8200, R8200 & 7800



- Key from either side retracts & projects deadbolt
- Trim from either side retracts latchbolt
- Latchbolt and deadbolt are independent of each other
  - **ANSI F14**

29 Dummy Trim Deadlock

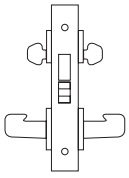
8200, R8200 & 7800



- Deadbolt operation only
- Key on either side retracts & projects deadbolt
- Trim inside retracts deadbolt
- Trim outside is always locked

*39 Classroom Security Intruder Deadbolt

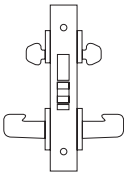
8200, R8200 & 7800



- Key either from side retracts or projects deadbolt which also unlocks or locks outside trim
- Trim outside retracts latchbolt, except when locked
- Trim outside is only locked by projecting the deadbolt
- Trim inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside trim
  - **ANSI F33**

*40 Classroom Security Intruder Deadbolt

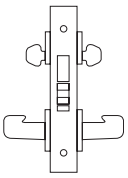
8200, R8200 & 7800



- Key from either side retracts or projects deadbolt which also unlocks or locks outside trim
- Trim outside retracts latchbolt, except when locked
- Trim outside is only locked by projecting the deadbolt
- Trim inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside trim
- Auxiliary deadlatch
- Same as an 8239 with Auxiliary deadlatch
  - **ANSI F34**

41 Classroom Security Intruder Deadbolt

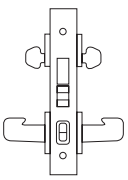
8200, R8200 & 7800



- Key from either side retracts and projects deadbolt
- When deadbolt is projected, 1st key rotation retracts deadbolt, 2nd key rotation unlocks trim outside
- Key retraction of latchbolt from either side unlocks trim outside
- Trim outside retracts latchbolt, except when locked
- Trim inside (when deadbolt is projected) retracts both latchbolt and deadbolt simultaneously and the outside trim remains locked
- Auxiliary deadlatch

46 Dormitory or Exit

8200, R8200 & 7800



- Key from either side retracts and projects deadbolt
- Key from either side retracts both latchbolt and deadbolt, trim outside remains locked
- Trim outside is locked by toggle or projecting deadbolt
- Trim outside is unlocked by toggle only
- Trim inside (when deadbolt is projected) retracts both latchbolt and deadbolt simultaneously and the outside trim remains locked

*8200 Available with Freewheeling Trim
‡7800 Available with Push/Pull Trim
✦**CAUTION**: Not recommended for use on any door used for Life Safety egress

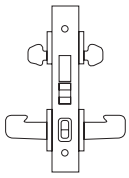


If shaded, knob or lever rigid at all times

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✦48 Store Door

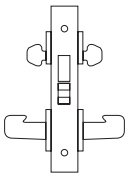
8200, R8200 & 7800



- Key from either side retracts and projects deadbolt
- Key from either side retracts latchbolt
- Trim outside is locked by toggle or projecting deadbolt and unlocked by toggle only
- Trim inside (when deadbolt is projected) retracts latchbolt only, and outside trim remains locked
- **ANSI F25**

✦49 Security Deadbolt

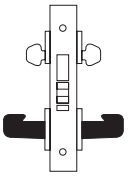
8200 & R8200



- Key from either side retracts and projects deadbolt
- Key from either side retracts latchbolt
- Trim inside & outside are locked only when deadbolt is projected

✦52 Institutional Deadbolt

8200, R8200 & 7800

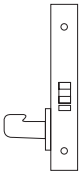


- Key from either side retracts and projects deadbolt
- Key from either side retracts latchbolt
- Trim inside and out are always locked
- Auxiliary deadlatch

Non-Keyed

13 Exit Latch

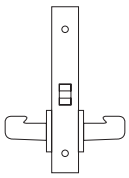
8200, R8200 & 7800



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

‡15 Passage or Closet

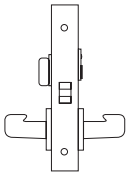
8200, R8200 & 7800



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

*‡ 65 Privacy Bath/Bedroom

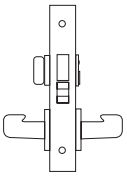
8200, R8200 & 7800



- 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**

*66 Privacy Bath/Bedroom

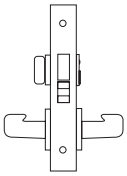
8200, R8200 & 7800



- 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**

✦68 Privacy Bath/Bedroom

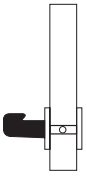
8200, R8200 & 7800



- 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**

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

*8200 Available with Freewheeling Trim

‡ 7800 Available with Push/Pull Trim

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

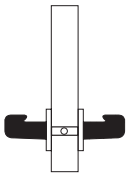


If shaded, knob or lever rigid at all times

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94 Trim Dummy

8200, R8200 & 7800

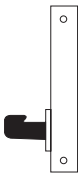


- Trim on both sides are always rigid
- Trim only used as door pull
- Recommended for double door applications on the inactive door, use template #4298, to accept latchbolt from active door

Note: Lever not surface mounted.

95 Single Trim Dummy

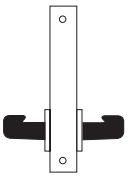
8200, R8200 & 7800



- Trim inside only
- Trim is always rigid
- Includes lock case and armor front
- Not recommended on double door applications (will not accept latchbolt from active door)

96 Double Trim Dummy

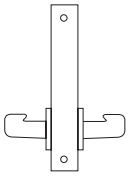
8200, R8200 & 7800



- Trim on both sides of the door
- Both trims are always rigid
- Includes lock case and armor front
- Not recommended on double door applications (will not accept latchbolt from active door)

97 Active Trim Dummy

8200, R8200 & 7800

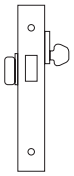


- Trim on both sides are active
- Includes lock case and armor front
- Not recommended on double door applications (will not accept latchbolt from active door)

Deadbolt Only

✦03 Classroom Deadlock

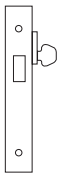
8200



- Deadbolt operation only
- Key outside retracts and projects deadbolt
- Thumbturn inside retracts deadbolt only, will not project it
  - **ANSI F29**

✦20 Deadlock

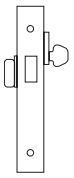
8200



- Deadbolt operation only
- Key outside retracts and projects deadbolt
- No inside operation
  - **ANSI F18**

✦21 Deadlock

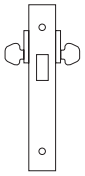
8200



- Deadbolt operation only
- Key outside retracts and projects deadbolt
- Thumbturn inside retracts and projects deadbolt
  - **ANSI F17**

✦22 Deadlock

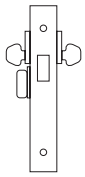
8200



- Deadbolt operation only
- Key outside or inside retracts and projects deadbolt
- **ANSI F16**

✦23 Classroom Deadlock

8200



- Deadbolt only operation
- Key outside or inside retracts and projects deadbolt
- Thumbturn inside retracts deadbolt, does not project deadbolt
- Same as 03 function with cylinder inside

*8200 Available with Freewheeling Trim

‡ 7800 Available with Push/Pull Trim

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



If shaded, knob or lever rigid at all times

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Electrical Functions and Monitoring Options

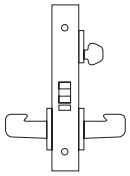
8200 & R8200 Mortise Locks

SARGENT 8200 Electromechanical Mortise locks are designed to handle single opening, stand alone applications, or can be readily integrated into sophisticated access control systems. They meet ANSI/BHMA A 156.13 Grade 1 requirements, are UL listed on fire doors, and satisfy industry standards for operating temperature, shock and fire hazard.

Electromechanical Functions

70 Electrical (Fail Safe)
71 Electrical (Fail Secure)

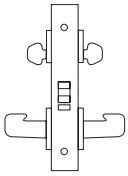
8200 & R8200



- 70 function- Power ON, locks outside lever (by solenoid)
- 71 function- Power ON, unlocks outside lever (by solenoid)
- Always specify voltage: 12VDC or 24VDC
- Key outside retracts latchbolt
- Lever outside retracts latchbolt, except when locked
- Lever outside can only be locked with the solenoid
- Lever inside always retracts latchbolt
- Auxiliary deadlatch

72 Electrical (Fail Safe)
✦73 Electrical (Fail Secure)

8200 & R8200



- 72 function- Power ON, locks both levers (by solenoid)
- 73 function- Power ON, unlocks both levers (by solenoid)
- Always specify voltage: 12VDC or 24VDC
- Key on either side retracts latchbolt
- Lever from either side retracts latchbolt, except when levers are locked
- Both Levers can only be locked & unlocked with the solenoid
- Levers can not be locked separately, only together
- Auxiliary deadlatch

Electrical Requirements for solenoid functions:

Voltage: 12VDC or 24VDC Regulated. Full wave rectification installed inside the lockbody.

Current: .25A at 24VDC or .5A at 12VDC
Operating Temp.: Max. 151°F (66°C),
Min –31°F (-35°C)

UL and CUL listed for use on Fire Doors

Note: Repeated operation at voltage exceeding +/- 10% is not recommended.

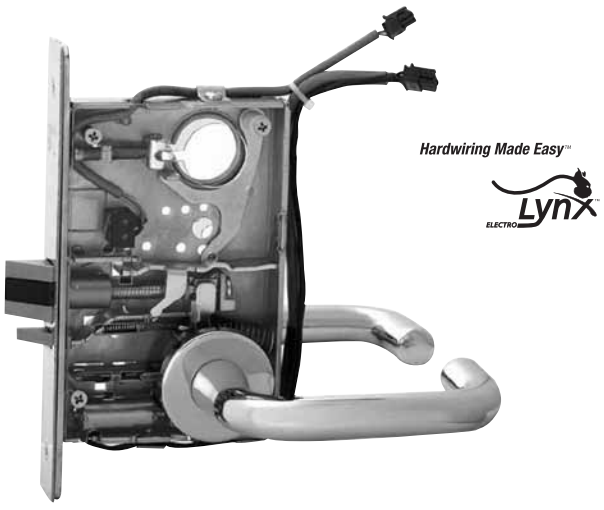
Warning:

- **Do not** connect locks to a circuit sharing an additional electromagnetic device as the lock may be damaged
- Transient voltage must be suppressed at the source or before connecting with the lock
- Varistor rated at 35 volts (peak) may be used for transient voltage protection

Note: Opening the lockbody or the solenoid replacement in the field by non-authorized personnel voids UL label and lock warranty.

Monitoring Options offered for 8200 & R8200 Series Mortise Lock

- Single Pole Double Throw (SPDT) type C switches, rated 2A at 24VDC
- **RX- option - Request-to-Exit or Enter Signaling Switch**
  - Two switches mounted internally in lockbody that provide independent monitoring of inside and outside lever rotation
  - Available in all functions with non rigid levers
  - Not available for the following options: 1-, 3P, 74
  - Not available for the following trims: LS or FE
- **LX- option - Latchbolt Monitor**
  - Single switch mounted within lockbody signaling latchbolt position
  - Available for all non deadbolt functions
  - Not available with DX
- **DX- option - Deadbolt Monitor**
  - Single switch mounted internally in lockbody that indicates deadbolt position
  - Not available for the following options: 3P-, 74 or LX
  - Available in all deadbolt functions



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

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Requirements for Electrical and Data Transfer

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

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

Features of ElectroLynx®:

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

To connect an 8200 & R8200 Electrified Mortise Lock to the electronic access control system, the following items are required:

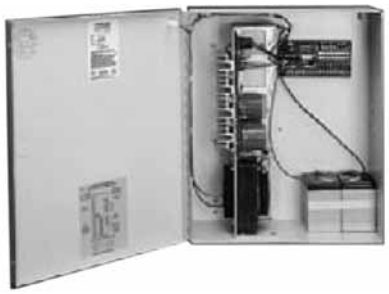
- 8200 & R8200 Electrified Mortise Lock
- ASSA ABLOY Door Group pre-wired door, or ElectroLynx® retrofit cable (order from McKINNEY)
- Electronic transfer device (ElectroLynx® electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKINNEY)
- ElectroLynx® cable from the hinge to above the ceiling (order from McKINNEY)

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

McKINNEY QC8 ElectroLynx® Hinges for 8270-8274 functions and the RX- Option is recommended.
McKINNEY QC12 ElectroLynx® Hinges for LX- or DX- Option is recommended.



12VDC & 24VDC Power Supplies:



- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED
- In the event of a DC short, the problem is confined to the zone of difficulty
- Fire alarm interface standard

SARGENT MODEL No.	DESCRIPTION
3521	12V - 1 AMP POWER SUPPLY
3541	12V - 3 AMP POWER SUPPLY
3551	12V - 4.5 AMP POWER SUPPLY
3571	12V - 6 AMP POWER SUPPLY
737	12V - 5 AMP HOUR BACKUP BATTERY

SARGENT MODEL No.	DESCRIPTION
3520	24V - 1 AMP POWER SUPPLY
3540	24V - 2 AMP POWER SUPPLY
3550	24V - 4 AMP POWER SUPPLY
3570	24V - 6 AMP POWER SUPPLY
738	24V - 5 AMP HOUR BACKUP BATTERY

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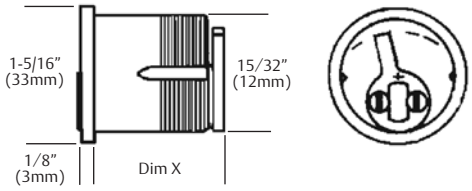
Cylinder Lengths (Dim X)

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 (14-0036 x keying info)
- Supplied with Cam suffix -115 for Hotel Functions

10- Option Signature Series



- The patented 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
- 10- UL Option- Signature cylinder that meets UL437 requirements for security

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



- Patented system works with existing SARGENT keyway adding increased security
- 11- XC standard cylinder
- 11-63- Large format interchangeable core
- 11-73- Small format interchangeable core

For complete cylinder information, see Cylinders & Components, Signature, Keso, Keso F1 or XC catalogs.

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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
- SARGENT Interchangeable Core cylinders and MasterKey Systems are available for increased security through quick change of keying. It is unnecessary to remove a cylinder
- SARGENT 7300B Interchangeable Cores are available in SARGENT 4A and 4B keyways, as well as the following standard competitor keyways: A, B, C, D, E, F, G, H, J, K, L, M
- For disposable core, see 70- Option
- 65-73 Option- 6-Pin Small Format Interchangeable Cores-uncombinated
- 65-73-7P Option- 7-Pin Small Format Interchangeable Cores-uncombinated
- 70- Option- Small Format Interchangeable disposable core
- 72- Option- Small Format Interchangeable construction core
- 11-72- Construction core provided for use with 11-7300 cylinder housing

  11-70- temporary plastic core prepared to accept 11-7300 core
- 73- Option- 6-Pin Small Format Interchangeable core, SARGENT 4A, 4B keyways
- 73-7P Option- 7-Pin Small Format Interchangeable core, SARGENT 4A, 4B keyways
- Control key used to remove core (provided separately)

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, 10BL, 20D, 26, 26D, 32, 32D
- Projection from door:

  1KB-1 5/16" (8mm) - Standard
  1KB-2 7/16" (11mm)
  1KB-3 9/16" (14mm)

IKA Rosette with 8200 sectional trim



- Used with mortise cylinders
- Furnished standard with the E, E2 and E3 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, 10BL, 20D, 26, 26D, 32, 32D

No. 97 Rosette with 7800 sectional trim



- 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, 10BL, 20D, 26, 26D, 32, 32D

No. 90 Blocking Ring



- Used with 1KB rosettes as spacer when mortise cylinder projects from face of door
- Brass, bronze or stainless steel
- Finishes: 3, 4, 10, 10B, 10BL, 20D, 26, 26D, 32, 32D

1KB-5 Cylinder Retaining Cap



- Required for double cylinder functions on KS and LS Escutcheon *only*
- Steel or stainless steel
- 1-15/32" (37mm) diameter
- 9/16" (14mm) projection
- Finishes: 3, 4, 9, 10, 10B, 10BL, 20D, 26, 26D, 32, 32D

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Cylinders Requirements and Cams

8200, R8200 & 7800 Mortise Locks

SARGENT
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Escutcheon Trim

Design	CE, KE 1 & 2, LE 1 & 2 or TE			KW1 or LW1			KE 1 & 2 or LE 3 & 4 (Exposed Barrel) 78-40 Cylinder						KS or LS						WT					
Cylinder Application	Single Cylinder			Double Cylinder			Single Cylinder			Double Cylinder			Single Cylinder			Double Cylinder			Single Cylinder			Double Cylinder		
Door Thickness	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)
41 Size 1-1/8" (29mm) Cylinder 5 or 6-Pin	B H	C	–	B H J	B H	–	NA	C	C	NA	NA	C	NA	C	–	NA	–	–	C	C	–	J	C	–
42 Size 1-1/4" (32mm) Cylinder 5, 6, or 7-Pin	B K	B H	C	B J K	B K	C	NA	–	C	NA	NA	–	NA	C	C	NA	M	–	H	C	–	H J	H	–
43 Size 1-3/8" (35mm) Cylinder 5, 6, or 7-Pin	B L	B J	C	B J L	B L	B H	NA	–	C	NA	NA	–	NA	–	C	NA	–	M	K	G	C	J K	K	C

Design	CR,E,O,L,LN or TR						E, L or O					
Cylinder Application	Single Cylinder			Double Cylinder			Single Cylinder			Double Cylinder		
Door Thickness	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)
41 Size 1-1/8" (29mm) Cylinder 5 or 6-Pin	E H	D	–	F H J	E H	–	D H	A	–	F H J	E H	–
42 Size 1-1/4" (32mm) Cylinder 5, 6, or 7-Pin	F K	D G	D	F J K	F K	D	D K	D G	A	F J K	F K	A
43 Size 1-3/8" (35mm) Cylinder 5, 6, or 7-Pin	F L	E J	D	F J L	F L	E H	D L	E J	A	F J L	F L	A H

NOTE 41 size cylinders include: Conventional, Signature, Signature UL, XC
42 size cylinders include: 50 function cylinders, SARGENT LFIC (removable) core, KESO removable core, KESO removable core, KESO F1 removable core, Signature LFIC core
43 size cylinder include: Small Format Interchangeable Core
refer to page 23 for cylinder dimensions

How To Find Rosette and Blocking Ring Requirements when ordering separately

Rosettes and ring requirements are coded by letters A through M in the table to the right and depicted in chart above.

For example: A #41 cylinder for a 1-3/8" (35mm) door using KE1 escutcheon trim for a single cylinder application would require (B) a No. 97-02 spring and (H) Part # 90-1/8" Blocking Ring.

A. Part # 97 Rosette (includes spring)
B. Part # 97-02 (13-0140) Spring only
C. No Spring, rosette or blocking ring required
D. 1KB-1 Rosette (includes spring)
E. 1KB-2 Rosette (includes spring)
F. 1KB-3 Rosette (includes spring)
G. Part # 90-1/16" (2mm) Blocking Ring
H. Part # 90-1/8" (3mm) Blocking Ring
J. Part # 90-3/16" (5mm) Blocking Ring
K. Part # 90-1/4" (6mm) Blocking Ring
L. Part # 90-3/8" (10mm) Blocking Ring
M. Part # 81-0495 Cylinder Retaining Cap

Cylinder Cams For Mortise Locks

SARGENT Conventional Cylinders

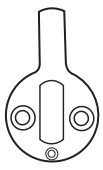
- Standard



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

SARGENT Large Format Interchangeable Core Cylinders

- 6300 Cams are factory installed and are not removable
- 6300 Cams are not sold separately
- Specify required Cam as a suffix: 63-44-105 cam
- For Standard Cam: no suffix is required



Std 6300 Cam for all functions except for 50 and the Inside cam for 16 & 92 function locks



-105 Cam for 6300 Series 16 & 92 function I/S Cylinder



-115 Cam for 6300 Series 50 (Hotel) function, supplied with 50 function cylinders

See Cylinder catalogs for additional information

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Strikes and Fronts

8200, R8200 & 7800 Mortise Locks

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- Curved lip strikes: Brass, bronze or stainless steel
- 877 Open back strike: Brass plated
- To order strikes separately, specify strike part number and finish. Will be furnished with machine screws.
- Order strike box 77-1141 separately
- All locks are packed standard with a universal non-handed curved lip ANSI 4-7/8" (124mm) strike
- Specify part number when ordering with complete lock
- Open back strike not available for deadbolt functions

Curved Lip Strike

Door Thickness	Part No.	Lip Length
1-3/8" (35mm) - 1-1/2" (38mm)	82-0109	1-1/8" (29mm)
1-5/8" (41mm) - 1-3/4" (44mm)	82-0110 Standard	1-1/4" (32mm)
1-7/8" (48mm) - 2" (51mm)	82-0111	1-3/8" (35mm)
2-1/8" (54mm) - 2-1/2" (64mm)	82-0112	1-5/8" (41mm)
2-5/8" (67mm) - 3" (76mm)	82-0113	1-7/8" (48mm)
3-1/8" (79mm) - 3-1/2" (89mm)	82-0114	2-1/8" (54mm)
3-3/8" (86mm) - 4" (101mm)	82-0115	2-3/8" (61mm)
4-1/8" (105mm) - 4-1/2" (114mm)	82-0116	2-5/8" (67mm)
4-5/8" (117mm) - 5" (127mm)	82-0117	2-7/8" (73mm)

877 Open Back Strike

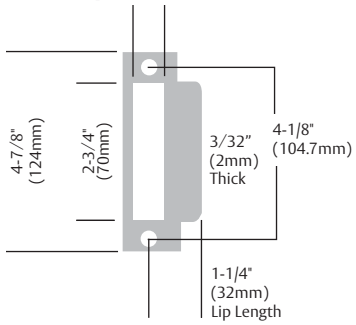
- **Strike handed by active leaf**

Door Thickness	Part No. RHRB	Part No. LHRB
1-3/4" (44mm)	82-0332	82-0333
2" (51mm)	82-0334	82-0335
2-1/4" (57mm)	82-0336	82-0337
2-1/2" (64mm)	82-0338	82-0339
2-3/4" (70mm)	82-0340	82-0341
3" (76mm)	82-0342	82-0343

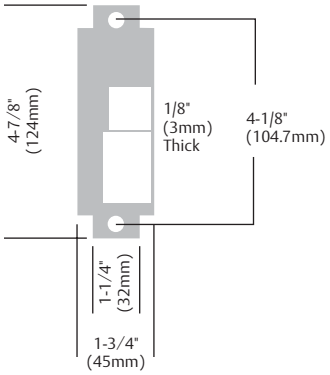
Outside Front Plate
1- Options Fronts - consult factory

Standard 1-1/4" (32mm)	Functions
82-0423	15, 65
82-0424	04, 05, 06, 13, 16, 17, 31, 36, 37, 38, 67
82-0425	03, 20, 21, 22, 23, 28, 29, 30
82-0426	24, 25, 26, 27, 35, 39, 66, 68
82-0427	40, 41, 50, 52
82-0429	45, 46, 47, 48
82-0430	43
82-0424	89, 90, 91, 92
82-0424	70, 71, 72, 73
82-0424	78, 79
82-0427	76, 77
82-0431	95, 96, 97
82-0428	55

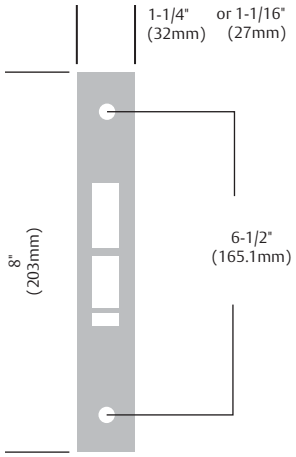
Curved Lip Strike (Standard)



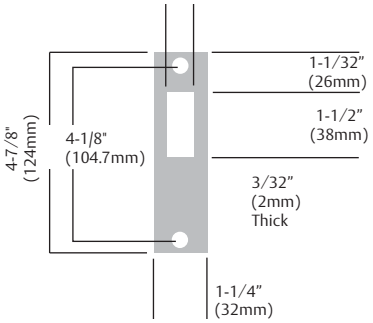
877 Open Back Strike



Outside Front Plate



78-0034 Deadbolt Strike



- Provided standard with deadlock functions 03, 20, 21, 22, 23, 28, 29, 30

77-1141 Wrought Box Strike



- For both curved and flat lip strikes
- Optional: Specify WBS- when ordering with lock
- If ordering separately, use part # 77-1141

No. 677 Rabbeted Door Kits

677 Kit adapts 7800/8200 locks for rabbeted doors consists of rabbeted strip and strike. standard for 1-3/4" to 2" doors.

Specify 2-677 for 2-1/4" thick doors. Hardware finished.

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Mechanical Options

8200, R8200 & 7800 Mortise Locks

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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; see page 9 for details)	X	X	X
	50-	Secured indicator rose (available with rose trim only; see page 9)	X	-	X
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-	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-	Tactile Warning -Abrasive coating inside trim only (not available with D knobs)	X	X	X
	86-	Tactile Warning -Abrasive coating outside trim only (not available with D knobs)	X	X	X
	87-	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-	MicroShield® antimicrobial clear powder coat	X	X	X
Thumbturns (See page 8)	LB-	ADA Extra large thumbturn; backplate matches rose design chosen	X	X	X
	T1	Decorative thumburn; backplate matches rose design chosen	X	X	-
	T2	Decorative square thumburn; backplate matches rose design chosen	X	X	-
	T3	Decorative cylinder thumburn; backplate matches rose design chosen	X	X	-

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

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Cylinder Options

8200, R8200 & 7800 Mortise Locks

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ASSA ABLOY

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
	DG2-78-*	Degree Level 2 Exposed Plug (for use with LE3/LE4 escutcheons only)	41-43
	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
	DG3-78-*	Degree Level 3 Exposed Plug (for use with LE3/LE4 escutcheons only)	41-43
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
	10UL-*	SARGENT Signature UL437 Key System (not available with other key systems)	41-44,46,48,50,52,54,56
Signature Large Format Interchangeable Core (Removable Core)	**10-63-***	SARGENT Signature LFIC (removable) Core Cylinder	42, 43, 44 & 46
XC- Key System	**11-***	XC Key System (not available with other key systems, unless specified)	41-44,46,48,50,52,54,56
	11-21-*	XC- Construction Key System (Lost Ball)	41-44,46,48,50,52,54,56
XC- Large Format Interchangeable Core (Removable Core)	**11-60-***	Hardware to accept XC- Permanent LFIC (removable core), disposable plastic core provided	42, 43, 44 & 46
	11-63-*	Hardware provided with XC- LFIC (removable core) cylinder - (Includes masterkeying, grand masterkeying)	42, 43, 44 & 46
	11-64-*	Hardware provided with keyed construction core to accept XC- LFIC (removable) permanent core ordered separately	42, 43, 44 & 46
XC- Small Format Interchangeable Cores	**11-70-7P-***	Hardware to accept XC- SFIC (7-Pin) XC- permanent cores, disposable plastic core provided	43 & 46
	11-72-7P-*	Hardware to accept XC- SFIC (7-Pin keyed construction core provided) cylinder permanent core ordered separately	43 & 46
	11-73-7P-*	Hardware provided with XC- Small format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)	43 & 46
	11-65-73-7P-*	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (permanent) core - (packed loose)	43 & 46
Construction Key System	**21-***	SARGENT Lost Ball Construction keying for conventional, XC and Signature Series (N/A with 63- or 73-)	–
	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

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* Options not available with 50 function lockout cylinder

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

Cylinder Options

8200, R8200 & 7800 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 uncombinated 6-Pin SFIC (permanent) core - (packed loose for field keying)	43 & 46
	65-73-7P-*	Hardware provided to accept uncombinated 7-Pin SFIC (permanent) core - (packed loose for field keying)	43 & 46
	73-7P-*	Hardware provided with Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)	43 & 46
Keso & Keso F1	**81-***	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (permanent cores ordered separately)	172-174,176
	82-	Hardware provided with SARGENT Keso security cylinder	71-74,76
	F1-82-	Hardware provided with SARGENT Keso F1 security cylinder (patented)	71-74,76
	83-*	Hardware provided with SARGENT Keso security removable core cylinder	172-174,176
	F1-83-*	Hardware provided with SARGENT Keso F1 security removable core cylinder (patented)	172-174,176
	84-*	Hardware provided with SARGENT Keso construction cores (permanent cores ordered separately)	172-174,176
Additional Security	**BR-**	Bump resistant cylinder (available with conventional & conventional XC cylinders only)	–
Less Cylinder	**LC-**	Less cylinder - SARGENT supplies standard blocking rings for 1-1/8" cylinders (for longer cylinders order collars/rings separately)	–
Schlage Keyways	**SC-*^**	Schlage C keyway cylinder, 0 bitted	#41 Only
	SE-*^	Schlage E keyway cylinder, 0 bitted	#41 Only
NOTE: For V-10 Cylinders and information contact ASSA			

^ 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 and Security Screw Chart

8200, R8200 & 7800 Mortise Locks

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How to Order 8200, R8200 & 7800 Mortise Locks

10-	82	71	12VDC	TR	MJ	15	RHR
Options*	**Series**	**Function**	**Voltage**	**Roses/ Escutcheons**	**Trim**	**Finish**	**Hand**
For all available options see pages 27-29	82 R82 78 Mortise Lock	Pages 15-21 for Details	12VDC 24VDC Must be specified for Functions 70, 71, 72 & 73	Pages 5-10 (With R8200, specify "R" for roseless design)	Levers - Pages 3-6, FW Trim - Page 11, Push/Pull Trim - Page 12-13, Knobs - page 14	Page 30	RHR 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
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

* 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)

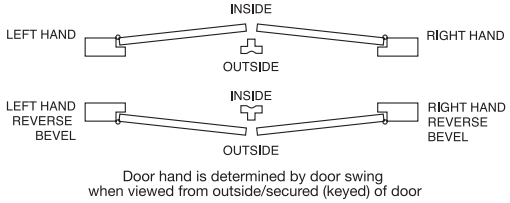
6 Lobe & Spanner Bit packs

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



Door hand is determined by door swing when viewed from outside/secured (keyed) of door

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

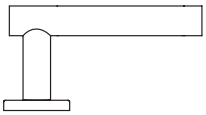
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Ordering Gramercy Series Levers

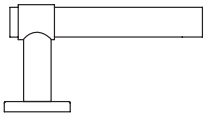
8200 Mortise Locks

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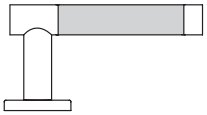
Gramercy Series Levers



REM, RGM



RCM



RAG, RAL, RAM, RAS, RAW

Gramercy Finish Codes

BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
N/A	N/A	BH	Birch (wood insert)
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	2929 or 3030
RAL	Leather Insert	29BK, 29BN or 30BK, 30BN
RAM	Metallic Insert	2930** only
RAS	Santoprene Insert	29BK or 30BK
RAW	Wood Insert	29BH or 30BH
RCM	Raised Band	2929, 3030 or 2930**
REM	Plain	2929 or 3030
RGM	Two Grooves	2929 or 3030

**Two-tone finish - grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32.

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use “29” for polished stainless, BHMA finish 629.

How to Order 8200 Mortise Locks with Gramercy Levers

Options	Series	Function	Voltage	Rose/ Escutcheon	Lever	Finish	Hand
Select from pages 27-29	82	Select from pages 15-21	Specified for electrical functions	Select from pages 5-6	Leather insert	Bright stainless steel with brown leather	RHR, RH, LHR, or LH
10-	82	71	12VDC	LN	RAL	29BN	RH

Gramercy Levers are available with E2, E3, O, CO, TO, LN, CR, TR roses and CE, TE, LE1 escutcheons

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Multi-Functional Lockbody

8200, R8200 & 7800 Mortise Locks

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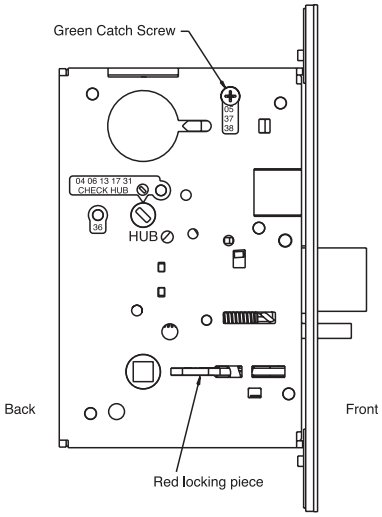
How to Change Lock Function:

The Green Catch Screw must be located in the designated location as specified on the lock case to produce the desired function.

There are three locations: one location for 05, 37 & 38 functions; one location for 04, 06, 13, 17 & 31 functions; and one location for 36 function.

Note: To change to functions 04, 06, 13, 17 & 31, the hub must be at the 45° position as specified on the case before screwing in the green catch screw.

Note: For 17 and 52 functions only, the red locking piece must be rotated 90°, so the red surface is facing the back of the lockbody. This is required to make both levers rigid.



Function & Part Listing for the Multifunction Lockbody

Function	#41 Cylinder	Cyl. Collars	Lever/Knob Requirements	Thumb turn
04 Store Room / Closet (F07)	1	* 1 - 1KB	** Inside Trim Set & *** Outside Trim Set	Not used
05 Office / Entry (F04)	1	* 1 - 1KB	** Inside Trim Set & *** Outside Trim Set	++ 1
06 Store Room / Service	1	* 1 - 1KB	+ Trim One Side Kit, Inside Lever/ Knob & Rose/Escutcheon	Not used
13 Communicating / Exit	Not used	Not used	+ Trim One Side Kit, Inside Lever/ Knob & Rose/Escutcheon	Not used
17 Asylum / Institution (F30)	2	* 2 - 1KB-2	** Inside Trim Set & *** Outside Trim Set	Not used
31 Utility	1	* 1 - 1KB	+ Trim One Side Kit, Inside Lever/ Knob & Rose/Escutcheon	Not used
36 Closet	1	* 1 - 1KB	+ Trim One Side Kit, Inside Lever/ Knob & Rose/Escutcheon	Not used
37 Classroom (F05)	1	* 1 - 1KB	** Inside Trim Set & *** Outside Trim Set	Not used
38 Classroom Security (F32)	2	* 2 - 1KB-2	** Inside Trim Set & *** Outside Trim Set	Not used

***Cylinder Collars**–noted are based on 1-3/4" Thick Doors with standard #41 size cylinders. Other sized doors and cylinders will required different collar sizes and possibly blocking rings - see chart on page 29 of this catalog for details.
****Inside trim sets include:** Inside lever/knob, inside rose or escutcheon, trim pack (spindles, through-bolt screws, set screw, inside adapter plate assembly), trim finish screws (for escutcheons).
***** **Outside trim sets include:** Outside lever/knob, outside rose or escutcheon, outside mounting plate, two through-bolt studs, washers, retaining nut, and cylinder rosettes (for cylinder functions only).
+ Trim One-Side Kit includes: adapter assembly, spindle, through-bolt screws and plate adapter assy. An inside lever is always used with this kit and is used on either side of the door as required.
++ Thumb turn- Rose trims use 130KB thumb turn for Levers, and 130W thumb turn for Knobs.
Escutcheon trims require escutcheon to be ordered according to function/design, to receive thumb turn affixed to it.

Type of Rose/Escutcheon		Kit Part Number
Trim One Side Kit	**E, O, KW, LN & LW1** (Standard trim only - not for use with Studio levers)	**82-3208**
Trim One Side Kit	**KE & LE (1 & 3)** (Standard trim only - not for use with Studio levers)	**82-3209**
Trim One Side Kit	**L Rose & WT**	**82-3210**
Trim One Side Kit	**Blank Rose**	**82-4023**

Note: 8200/R8200/7800 mortise locks are certified for all functions including electrical functions and trims without exceptions.

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UL Listed
Hurricane-Resistant Certifications

8200, R8200 & 7800 Mortise Locks

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UL Listed & Florida Building Code Information

SARGENT Manufacturing offers a wide variety of products that meet building codes requiring hurricane-resistant certification. SARGENT products are independently tested to meet the requirements of the building codes as specified by the Florida Building Code, Miami Dade Code Requirements and in the International Building Code. Listed below are certifications and the test standards met by these products.

8200/R8200/7800 are UL Listed:

ANSI/SDI-BHMA A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ANSI/ASTM E330-2002	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886-2005	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996-2009	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
TAS 201	"Impact Test Procedures"*
TAS 202	"Criteria for Testing Impact and Non Impact Resistant Building Envelope Components Using Uniform Static Air Pressure"*
TAS 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* published in the Florida Building Code for use in the High Velocity Hurricane Zone (HVHZ)

UL Certification Directory ZHEM.R21744 Latching Hardware for Hurricane-Resistance

	8200/R8200/7800 Mortise Lock	8200/R8200/7800 Mortise Locks with deadbolt	8200/R8200 Mortise Lock Latchbolt & Deadbolt	8200/R8200 Mortise Lock Latchbolt & Deadbolt
Door Size	Single in swing 3'-0" x 7'-0"	Single in swing 3'-0" x 7'-0"	Pair of doors with (2) 988 Bolt inactive leaf 8'-0" x 8'-0"	Single Door 4'-0" x 8'-0"
Design Pressure	+60/-60 psf	+70/-70 psf	+70/-70 psf	+70/-70 psf
Impact	350 ft-lbs	350 ft-lbs	350 ft-lbs	350 ft-lbs
Latch Strength	630 lbf	735 lbf	1120 lbf	1120 lbf

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UL Listed Hurricane-Resistant Certifications & Florida Building Code Information

8200, R8200 & 7800 Mortise Locks

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UL Certification Directory ZHLL.R21744 Hurricane-Resistant Assemblies

	Single Door Applications				
	8200/R8200/7800 Mortise Locks with deadbolt	**8200/R8200/7800 Mortise Locks with deadbolt**	**8200/R8200/7800 Mortise Locks with deadbolt**	**8200/R8200/7800 Mortise Locks with deadbolt**	**8200/R8200/7800 Mortise Lock**
Door Size	3'-0" x 7'-0" 18 gauge (i)	3'-0" x 7'-0" 18 gauge (v)	3'-0" x 7'-0" 18 gauge (vii)	4'-0" x 7'0" 16 gauge (iv)	3'-0" x 7'-0" 18 gauge (ix)
Design Pressure	+85/-85 psf	+100/-100 psf	+80/-80 psf	+57.2/-57.2 psf	+72/-72 psf
Large Missile Impact	350 ft-lbs	350 ft-lbs	350 ft-lbs	350 ft-lbs	350 ft-lbs

	Pairs of Doors			
	8200/R8200/7800 Mortise Locks with deadbolt	**8200/R8200/7800 Mortise Lock**	**8200/R8200/7800 Mortise Locks with deadbolt**	**8200/R8200/7800 Mortise Locks with deadbolt**
Door Size	6'-0" x 7'-0" 16 gauge (vi)	8'-0" x 8'-8" 16 gauge (ii)	8'-0" x 8'-8" 16 gauge (iii)	8'-0" x 8'-0" 16 gauge (viii)
Design Pressure	+60/-60 psf	+65/-65 psf	+62/-62 psf	+50/-50 psf
Large Missile Impact	350 ft-lbs	350 ft-lbs	350 ft-lbs	350 ft-lbs

Listed on Florida Building Code Website for Hurricane-Resistance: FL6728-R1

8200/R8200/7800 Mortise Lock	**Latchbolt engaged 6728.4**	**Deadbolt & Latchbolt engaged 6728.5 & 6728.6**	**8200 Series Mortise Lock & (2) 988 Surface Bolts 6728.7**
Approved for use in HVHZ:	Yes	Yes	Yes
Approved for use outside HVHZ:	Yes	Yes	Yes
Impact Resistant:	Yes	Yes	Yes
Design Pressure:	+60/-60 psf	+70/-70 psf	+70/-70 psf
Door:	Single Inswing/Outswing	Single Inswing/Outswing	Outswing Door 8200 Active Leaf Door and (2) 988 Surface Bolts engaged Inactive Leaf

Note: Within HVHZ to be used as part of an approved or assembly

Listed on Florida Building Code Website for Hurricane-Resistance: FL4351-R1

8200/R8200/7800 Mortise Lock	**Mortise Lock without Deadbolt with SECURITRON MUNL Unlatch Electric Strike**	**Mortise Lock without Deadbolt**
Design Pressure	+60/-60 psf	+60/-60 psf
Doors	Outswing 3'-0" x 7'-0"	Outswing 3'-0" x 7'-0"
Qualified for Large Missile Impact	Yes	Yes
Impact Rating	350 ft-lbs	350 ft-lbs

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90115: H 10/05/12

2.1 Heavy Duty Mortise Locks

A. Heavy duty mortise locks shall be 8200/R8200/7800 Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.
B. Locks shall meet or exceed the requirements of ANSI/BHMA A156.13 Series 1000, Operational Grade 1, and Security Grade 1 with all standard trims.
C. Meets or exceeds impact requirements of ASTM F1577-95b Detention Locks for Swinging Doors.
   1. Paragraph 6.2 Level 1 Impact for deadbolt x latchbolt and deadbolt only.
   2. Paragraph 6.2 Level 3 Impact for latchbolt only.
D. Locks shall be easily re-handed without opening the lockbody.
E. Locks shall comply with UL10C and UBC 7-2 positive pressure requirements.
F. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of A label (3 hours) and less, for doors up to 4'0" (1.2m) x 10' 0" (3.05m) and pairs of doors 8'0" (2.4m) x 10'0" (3.05m)
G. Construction:
   1. Lock functions shall be manufactured in a single-sized case formed from 12 gauge steel minimum.
   2. Lock cases shall be closed on all sides and back.
   3. Locks shall have field adjustable, beveled, armored front, with a .125 inch (3mm) thickness minimum.
   4. Locks shall have a one piece, 3/4" inch (19mm) throw anti-friction stainless steel latch.
   5. Deadbolts, where specified, shall be full one inch (25mm) throw made of one-piece hardened stainless steel.
   6. Where required by the Federal Bureau of Prisons, locks can be furnished optionally with stainless steel hubs.
H. Locks shall have a 2-3/4" (70mm) backset, standard.
I. Strikes shall be non-handed with a curved lip.
J. To ensure proper alignment, trim, knobs or levers, shall be through-bolted and fully interchangeable between rose and escutcheon.
K. Locks shall have brass 6-Pin cylinder, standard.
L. Locks shall have a 10 year limited warranty. 2 year limited warranty on electrified locks.
M. Behavioral Health, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to accepted OMH requirements with ligature-resistant lever and escutcheon trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and escutcheons are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.
   1. Acceptable Manufacturers:
   a. SARGENT Manufacturing (SA) - 8200 BHW Series
   b. CORBIN RUSSWIN (RU) – ML2000 BHSS Series
   c. Accurate Lock (AC) – CP Crescent Pull Series (with Teflon pad)
N. Behavioral Health, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to Office of Mental Health (OMH) requirements with behavioral health lever and rose trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and roses are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.
   1. Acceptable Manufacturers:
      a. SARGENT Manufacturing (SA) - 8200 BHL Series.
      b. CORBIN RUSSWIN (RU) - ML2000 BLSS Series.
      c. Best Lock (BE) - SPSL Series
      d. Town Steel (TS) - MRX-L Series

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SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
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800-727-5477 • www.sargentlock.com

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

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