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**8200/R8200/7800 Series Mortise Locks**

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**MicroShield®**

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, 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.)
Certifications
8200/R8200/7800 Series Mortise Locks

Certification Compliance

<table>
<thead>
<tr>
<th>Certification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI/BHMA</td>
<td>Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1 with all standard trims. Note: LFIC (Removable) Cylinders and SFIC Cylinders do not meet Security Grade 1 requirements.</td>
</tr>
<tr>
<td>ADA</td>
<td>Meets A117.1 Accessibility Code. Meets BOMA International 4.13.8 Complies with American Disability Act; Consult local authorities</td>
</tr>
<tr>
<td>UL-cUL</td>
<td>UL and cUL Listed to US and Canadian safety standards for A label 4 x 10 single and 8 x 10 double (3 hour fire door) and lesser class doors, stamped letter F and UL symbol on armored front indicate listing</td>
</tr>
<tr>
<td>Positive Pressure</td>
<td>Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies</td>
</tr>
<tr>
<td>California</td>
<td>California State Reference Code (Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2&quot; (13mm) of door face</td>
</tr>
</tbody>
</table>

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

Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 7800/8200 lock.

Florida Building Code: FL2998
UL Certification Directory: ZHEM.R21744 – Latching Hardware

<table>
<thead>
<tr>
<th>Certification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI/SDI-BHMA A250.13</td>
<td>“Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies”</td>
</tr>
<tr>
<td>ANSI/ASTM E1886</td>
<td>“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”</td>
</tr>
<tr>
<td>(TAS) 201</td>
<td>“Impact Test Procedures”*</td>
</tr>
<tr>
<td>(TAS) 202</td>
<td>“Criteria for Testing Impact and Non-Impact Resistant Building Envelope Components Using Uniform Static Air Pressure”</td>
</tr>
<tr>
<td>(TAS) 203</td>
<td>“Criteria for Testing Products Subject to Cyclic Wind Pressure Loading”*</td>
</tr>
</tbody>
</table>

* Published in the “Florida Building Code”

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies
Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

<table>
<thead>
<tr>
<th>Certification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI/ASTM E1886</td>
<td>“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”</td>
</tr>
</tbody>
</table>

* Published in the “Florida Building Code”
**Features**

8200/R8200/7800 Series 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/BHMA Standard A156.115
- Front adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)
- Hubs for Knobs/Levers
  - 7800: sintered iron copper infiltrated
  - 8200: cold forged steel
  - R8200: investment cast steel
- Auxiliary Deadlatch is stainless steel and non-handed
- Specify hand on order; easily field reversible (if no hand is specified RH will be provided)
- Strike: Brass, bronze or stainless steel; ANSI Standard; curved lip, non-handed (strike box optional)
- Keys: Two, nickel silver (control key or emergency key must be ordered when required)
- Cylinder: Brass, size #41 (1-1/8") standard (except for Freewheeling, size #46 (1-3/4"))
- Can be masterkeyed or grand masterkeyed. Construction keying available. LA standard keyway
- Stile: 4-1/2" (114mm) minimum stile for 7800/8200/R8200, 4-3/4" (121mm) minimum stile for electrical function locks
- Door Prep: ANSI/BHMA A156.115 or A156.115W modified per template (see template)
- Warranty: 10 year limited warranty, 2 year limited warranty on electrified locks. Warranty limited to replacement of lockbody and/or components

**Maximum Strength & Durability**

- Certified to and exceeds ANSI/BHMA A156.13, Series 1000, Operational Grade 1 and Security Grade 1 with all standard trims
- Exceeds cycle testing requirements by 14 times the ANSI/BHMA A156.13 Grade 1 standard
- Case: 12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")
- 1/8" (.125") cold-rolled steel inside front holds lock securely in door
- Heavy duty wrought steel hubs and high carbon steel spring cartridge provide superior strength and cycle life for 8200 locks
- Latchbolt is stainless steel with 3/4" (19mm) projection one-piece, anti-friction reversible latch
- Deadbolt is one-piece hardened stainless steel with 1" (25mm) projection
- Optional 8200 stainless steel hubs for Institutional setting (specify 3- option)
- Patent pending and/or patent www.assaabloydss.com/patents
Features
8200/R8200/7800 Series Mortise Locks

Maximum Flexibility
- Fast and easy installation. Lock is easily re-handed without removing parts or opening the lock case
- Aesthetic design. Many escutcheon and lever styles available to match a wide range of styles
- Many standard architectural grade finishes, including Polished Nickel (US14) & Satin Nickel (US15) finishes
- 53 functions including 4 electrical functions. The most in the industry for a broad range of applications
- Versatile. Offered for door thicknesses ranging from 1-3/8" (35mm) to 6" (152mm)
- Available with vandalism deterrent trim and/or secure fastener options Torx® and spanner screws for high abuse conditions
- Available with push/pull trim, perfect for hospital applications
- Status indicator options provide peace of mind on the locked/unlocked status of a door

Innovation
- First in the industry to offer a multi-functional lockbody that embodies 8 functions in 1 lockbody
- Easy operation. Only 30º 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 (Degree, Signature, Keso, Keso F1, & XC)
Features
8200/R8200/7800 Series Mortise Locks

8200 & 7800 Lockbody Dimensions
(R8200 Lockbody not shown)

Note: R8200 and 8200 lockbodies are dimensionally the same except for the through-bolt locations.

Explanation of the 8200/7800 Lockbody types:

<table>
<thead>
<tr>
<th>Lockbody Type¹</th>
<th>Trim Available &amp; Lockbody Type</th>
<th>Standard 8200 Door Prep</th>
<th>Through Bolted Trim</th>
<th>Multi-function lockbody available</th>
<th>How to order lockbody only</th>
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</thead>
<tbody>
<tr>
<td>8200</td>
<td>Lever x Rose/Escutcheon</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>82 x Function x Finish³</td>
</tr>
<tr>
<td>7800</td>
<td>Knob x Rose/Escutcheon</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>78 x Function x Finish³</td>
</tr>
<tr>
<td>R8200</td>
<td>Simpli™ roseless trim</td>
<td>No</td>
<td>Yes²</td>
<td>Yes</td>
<td>R82 x Function x Finish³</td>
</tr>
<tr>
<td>8200 for ALP</td>
<td>ALP Push/Pull Trim</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Six Digit Part # determined by function*</td>
</tr>
<tr>
<td>7800 PT</td>
<td>PT Push/Pull Trim</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Six Digit Part # determined by function*</td>
</tr>
</tbody>
</table>

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
Simpli™ Roseless Trim & R8200 Series Mortise Locks

Information

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

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

- Certified to and exceeds ANSI/BHMA A156.13, Series 1000, Operational Grade 1 and Security Grade 1
- Offered with most 8200 functions
- Available with Coastal Series and many Studio Collection levers (except MC, MK, MN, MP, MT, Gramercy Series, Wooster Square and Grant Park)
- Selected levers return within ½” of the door face
- Simpli roseless trim is not compatible with the 8200 lockbody; can only be used with R8200 locks
- All standard cylinder options are available
- Patent pending and/or patent www.assaabloydss.com/patents

Exploded view of the Simpli™ roseless trim and R8200 lockbody

Simpli™ Collar

- Ø1.500
- 1.500
- 0.810
Studio Collection Levers
8200/R8200 Series Mortise Locks

Studio Collection trim is available in a broad array of designs and finishes. It allows for uniformity throughout a facility using the 8200, R8200 and 7900 Series Mortise Locks, Access Control Products, 80 Series Exit Devices, DL and RDL Series Tubular Locks.

All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.

1 Lever returns within 1/2” (13mm) of door face
2 Levers are not available with SimplicityTM Roseless trim
3 Not available in 32D or 32 finish
<table>
<thead>
<tr>
<th>Odéon Series (Handed Levers)</th>
<th>Gramercy Series²/³</th>
<th>Wooster Square²/⁴</th>
</tr>
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<tbody>
<tr>
<td>MN²,⁵</td>
<td>RCM</td>
<td>H001</td>
</tr>
<tr>
<td>MH⁶</td>
<td>RAL</td>
<td>H002¹</td>
</tr>
<tr>
<td>MK²,⁵</td>
<td>REM</td>
<td>H003</td>
</tr>
<tr>
<td>MS⁵</td>
<td>RAM</td>
<td>H004</td>
</tr>
<tr>
<td>MU⁶</td>
<td>RAS</td>
<td>H005¹</td>
</tr>
<tr>
<td>MV⁶</td>
<td>RAG</td>
<td>H006¹</td>
</tr>
<tr>
<td>MX¹,⁵</td>
<td>RGM</td>
<td></td>
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<tr>
<td>NS¹,⁵</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NU¹,⁵</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 Lever returns within 1/2" (13mm) of door face
2 Levers are not available with Simpli™ Roseless trim
3 Gramercy levers are customized. See page 50 for ordering information
4 H003-H006 - Contain white or black polycarbonate inserts. Not available with MicroShield® antimicrobial coating.
5 Not available in 32D or 32 finish

---

Experience a safer and more open world

1-800-727-5477 • www.sargentlock.com
Studio Collection Trim
8200 Series Mortise Locks

Roses
(8200 Series)

O Rose

CO Rose

TO Rose

E2 Rose

E4 Rose

LN Rose

CR Rose

TR Rose

E3 Rose

Thumbturns
(8200 & R8200 Series)
Thumbturn backplate will match rose design chosen.

T1 Turn

T2 Turn

T3 Turn

Simpli™ Roseless Collar
(R8200 Series)

Escutcheons
(8200 Series)

LE1 Escutcheon

CE Escutcheon

TE Escutcheon

1 KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.
Coastal Series™ Levers, Roses & Escutcheons
8200/R8200/7800 Series Mortise Locks

Coastal Series
(8200 & R8200 Series)

Features
- All levers meet ADA compliance for national codes
- Not available with CO and TO roses
- Levers are solid cast brass
- Finishes available – 3, 4, 9, 10, 10B, 10BE, 14, 15, 20D, 26, 26D, BSP, WSP
- All lever height (+/- 1/16") measurements represent total distance from door face

G - Gulfport™
(Handed)

R - Rockport™

S - Sanibel™
(Handed)

Y - Yarmouth™
(Handed)

TR Traditional Rose
- Dual radii edge

CR Contemporary Rose
- Beveled edge

TE Traditional Escutcheon
- Dual radii edge

CE Contemporary Escutcheon
- Beveled edge
Standard Levers
(8200 Series Only)

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

Standard Roses

L Rose

E Rose

SL Rose

O Rose

LN Rose

BH Rose

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Escutcheon Designs

8200/R8200/7800 Series 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

LE3/LE4 Escutcheon Design
- Conceived Cylinder designed Escutcheon, Exposed Barrel Only
- Escutcheon: LE-Cast
- LE3- (2) Exposed screws inside
- LE4- (2) Concealed screws inside
- Not available on double cylinder functions
- Only available with #41 size cylinders
- Limited keyway and key system offerings – see cylinders section
- If cylinder is ordered separately: specify 78- for concealed cylinder
- LE3 & LE4 are available with standard levers only
- UL437 not available
- Not available with DG2 & DG3 cylinders

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

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

Note: The LS Escutcheon is not available with cylinder options: 10-63-, 11-60-, 11-63-, 11-64-, 60-, 63-, 64-, 70-, 72-, 73-, 65-73-, 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

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

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

Experience a safer and more open world
Freewheeling (FE) Trim Design

8200 Series Mortise Locks

8225 FEL shown

Features

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

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

• For 1-3/4” (44mm) doors standard. For 2” (51mm) and 2-1/4” (57mm) thick doors, must specify door thickness on order
• Vandal resistant trim
• Meets or exceeds ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1. LFIC (Removable) and SFIC cylinders do not meet Security Grade 1
• Forged brass outside escutcheon trim provides added protection against vandalism
• 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
• Patent pending and/or patent www.assaabloydss.com/patents

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

Note: Maximum projection varies by lever design. Largest projection is "A" lever – 3-9/16” (90mm)
7800 Knob & Rose Designs
8200 Series Mortise Locks

- Knob designs only are available with standard roses (E, L, LN, & O) and escutcheons (KE1/KE2, KE3/KE4, KW1, & WT).
- Available with VNT escutcheon for V series indicator options only. See page 16.

**C Knob Design**
- Knob: C-Wrought

**B Knob Design**
- Knob: B-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
- Finish: 32D
- Options not available: 75, 76, 77, 85, 86 & 87
7800 Series Escutcheon Designs

7800 Series Mortise Locks

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

KW1/KE1-KE2 Escutcheon Design
- Escutcheon: KE1-Cast
- KE1- (2) Exposed screws inside
- KE2- (2) Concealed screws inside
- Available with B & C knobs only

KW1 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

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

WT Escutcheon Design
- Thrubolt mounting screws (2)
- Exposed screws inside
- Available with B & C knobs only
- Refer to page 34

VN1 Escutcheon Design
- Thrubolt mounting screws (2)
- Exposed screws inside
- Available with B & C knobs only
- Refer to page 34

KE3/KE4 Escutcheon Design
- Concealed Cylinder designed Escutcheon, Exposed Barrel Only
- Escutcheon: KE3-Cast
- KE3- (2) Exposed screws inside
- KE4- (2) Concealed screws inside
- Not available on double cylinder functions
- Only available with #41 size cylinders – limited keyway and key system offerings — see cylinders section
- If cylinder is ordered separately: specify 78- for concealed cylinder
- Available with B & C knobs only
- UL437 not available
- Not available with DG2 & DG3 cylinders

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

** KS Escutcheon is not available with cylinder options: 10-63-, 11-60-, 11-63-, 11-64-, 60-, 63-, 64-, 70-, 72-, 73-, 75-73-, 75-73-7P-, 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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Behavioral Health Series™ Trim
7800 Series Mortise Locks

8200 Push/Pull Trim (ALP)

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

Features

- Paddles can be mounted in vertically (up or down) and horizontally (towards hinge)
  - with Cylinder - paddle mounts vertically down or horizontally
- Easy installation
- Trim is non-handed; lockbody is easily field reversible
- Through-bolted trim for stability
- Torx® and spanner screws optional with ALP
- Lead lining is optional (Lockbody only), specify 74-option
- Covers are cast stainless steel
- Paddles are cast stainless steel
- Finish: 32D
- Patent pending and/or patent www.assaabloydss.com/patents

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
- Trim only option available with existing sectional and escutcheon trim only
- Trim only kits
  - 694-1 Trim only, non-keyed functions
  - 694-2 Trim only, single cylinder functions
  - 694-3 Trim only, double cylinder functions
- ADA Compliant
- Matching thumbturn available
- Finish: 32D
- 6 Lobe head security screws (Torx® type)
- Patent pending and/or patent www.assaabloydss.com/patents

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
- Outside and inside levers will freely rotate up and down 45° when in the locked condition.
- Sloped surfaces
- Non-Handed
- Concealed hardware
- Overlapping lever and rose construction
- ADA compliant
- Finish: 32D
- Available with MicroShield® antimicrobial coating

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.
PT Push/Pull Trims & Anti-Vandal Option
8200/7800 Series Mortise Locks

7800 Push/Pull Trim (PT)

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 retrofit (667-_. Kit) or with the lock, as an "AV" option

667 AV Retrofit Kit

Retrofit kits for 7800, 7900, 8200 & 9200 mortise locks 667 Kit includes:
- AV Pull
- (4) 1/4-20 screws
- (4) Cup washers
- 1SB Rosette
- Instructions & Templates

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

* For Deadbolt Functions only without lever trim
Functions & Descriptions
8200/7800 Series Mortise Locks

Single Cylinder without Deadbolt

**04 Storeroom or Closet**  
8200, R8200 & 7800

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

**31 Utility**  
8200, R8200 & 7800

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

The Multi-Function Advantage with rose trim:
1. Lock will accommodate 04, 05, 15 & 37 functions without additional parts.
2. By adding an additional cylinder, lock will accommodate 38 function.
3. By adding a Trim One Side Kit, lock will accommodate 06, 13, 31 & 36 functions.

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

**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

**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, trim outside remains locked
- Thumbturn inside locks & unlocks outside trim
- Auxiliary deadlatch
- A Multi-Function 8200/R8200/7800 Lockbody
- ANSI F05

**06 Storeroom or Service**  
8200, R8200 & 7800

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

**55 Office or Entry**  
8200, R8200 & 7800

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

*8200 Available with Freewheeling Trim  
‡ 7800 Available with Push/Pull Trim

*CAUTION: Not recommended for use on any door used for Life Safety egress.
Functions & Descriptions
8200/R8200/7800 Series Mortise Locks

**Single Cylinder without Deadbolt**

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<th>56 Office &amp; Inner Entry Lock</th>
<th>67 Institutional Privacy</th>
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<tbody>
<tr>
<td>8200, R8200 &amp; 7800</td>
<td>8200, R8200 &amp; 7800</td>
</tr>
</tbody>
</table>

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

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

Note: Key locks & unlocks trim outside

<table>
<thead>
<tr>
<th>57 Institutional Privacy</th>
<th>89 Holdback</th>
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</thead>
<tbody>
<tr>
<td>8200, R8200, 7800</td>
<td>8200</td>
</tr>
</tbody>
</table>

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

- 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

Note: Key locks & unlocks trim outside

<table>
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<tr>
<th>58 Institutional Privacy</th>
<th>91 All Purpose Holdback</th>
</tr>
</thead>
<tbody>
<tr>
<td>8200, R8200, 7800</td>
<td>8200</td>
</tr>
</tbody>
</table>

- Key outside retracts latchbolt, overriding thumbturn when held in locked position
- Thumbturn inside locks & unlocks outside trim
- Trim outside does not unlock when the door closes
- Trim outside unlocks when operating trim inside
- Trim inside always retracts latchbolt
- Auxiliary deadlatch

- 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

Note: Key locks & unlocks trim outside

---

Indicator options available for both sectional and escutcheon trim.
**Single Cylinder with Deadbolt**

**24 Room Door**
8200, R8200 & 7800
- Key outside or thumbturn inside retracts and projects deadbolt
- Trim outside retracts latchbolt
- Latchbolt & deadbolt operate independently of each other
- ANSI F21

**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
  Note: Indicator shows deadbolt position only

**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

**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 & deadbolt simultaneously, trim outside remains locked
- Auxiliary deadlatch
- ANSI F20

**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
  Note: Indicator shows deadbolt position only

**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
Functions & Descriptions
8200/R8200/7800 Series Mortise Locks

Single Cylinder with Deadbolt

†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

Note: Indicator shows deadbolt position only

‡ 45 Dormitory or Exit

† 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 (ordered separately) will retract latchbolt & deadbolt and also project deadbolt
- Thumbturn retracts & projects deadbolt
- Trim inside retracts latchbolt & deadbolt simultaneously
- Trim outside is always locked
- Auxiliary deadlatch
- Available with Conventional, LFIC (60- & 63-), Degree (60-, 63-, & 64-) and Keso (82- & F1-82-) key systems
- ANSI F15

Note: Indicator shows deadbolt position only

†50 Hotel Guest

‡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

Note: Indicator shows deadbolt position only

+47 Front Door or Apartment Corridor Door

*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

Note: Indicator shows deadbolt position only

*51 Storeroom Deadbolt

*8200 Available with Freewheeling Trim
‡ 7800 Available with Push/Pull Trim

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

*8200 Available with Freewheeling Trim
‡ 7800 Available with Push/Pull Trim

Indication options available for both sectional and escutcheon trim.

If shaded, knob or lever rigid at all times.
Functions & Descriptions
8200/R8200/7800 Series Mortise Locks

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

**17 Asylum or Institutional**
8200, R8200 & 7800

- Key from either side retracts latchbolt
- Trim on both sides are locked at all times
- Auxiliary deadlatch
- ANSI F30

**38 Classroom Security Intruder Latchbolt**
8200, R8200 & 7800

- Key from either side locks & unlocks both the inside & outside trims
- 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

**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
- 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

**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
- 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

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

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Functions & Descriptions
8200/R8200/7800 Series Mortise Locks

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

*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

29 Dummy Trim Deadlock
8200, R8200 & 7800

- Deadbolt operation only
- Key on either side retracts deadbolt
- Trim inside retracts deadbolt
- Trim outside is always locked
Note: Indicator shows deadbolt position only

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

*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

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
Note: Indicator shows deadbolt position only

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

Indicator options available for both sectional and escutcheon trim.

If shaded, knob or lever rigid at all times

Experience a safer and more open world
Functions & Descriptions
8200/R8200/7800 Series Mortise Locks

Double Cylinder with Deadbolt

*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
  Note: Indicator shows deadbolt position only

If shaded, knob or lever rigid at all times
Indicator options available for both sectional and escutcheon trim.

*CAUTION: Not recommended for use on any door used for Life Safety egress
Functions & Descriptions
8200/R8200 Series Mortise Locks

Non-Keyed

13 Exit Latch
8200, R8200 & 7800

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

*66 Privacy Bath/Bedroom
8200, R8200 & 7800

- Trim outside retracts latchbolt except when deadbolt is projected
- Trim inside retracts both latchbolt and deadbolt simultaneously, unlocking the outside trim
- Emergency Release retracts and projects deadbolt — by coin, screwdriver or Emergency key (14-0057) ordered separately
- Thumbturn retracts and projects deadbolt
- ANSI F19

†15 Passage or Closet
8200, R8200 & 7800

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

*68 Privacy Bath/Bedroom
8200, R8200 & 7800

- Trim from either side retracts latchbolt at all times
- Thumbturn retracts and projects deadbolt
- Emergency release retracts and projects deadbolt — by coin, screwdriver or Emergency key (14-0057) ordered separately
- Latchbolt and deadbolt are independent of each other
- ANSI F02

*65 Privacy Bath/Bedroom
8200, R8200 & 7800

- Trim outside retracts latchbolt except when locked by thumbturn
- Trim inside retracts latchbolt and unlocks outside trim
- Emergency Release locks/unlocks trim outside-by coin, screwdriver or Emergency key (14-0057) ordered separately
- Thumbturn locks and unlocks trim outside
- Closing the door will unlock outside trim
- ANSI F22

93 Trim Dummy
8200, R8200 & 7800

- Trim on inside of door is always rigid
- Trim only used as door pull
- For double door applications, installed on the inactive door, use template #4298 to accept latchbolt from active door

Note: Lever is through-bolted

*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

Indicator options available for both sectional and escutcheon trim.

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Non-Keyed

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)

If shaded, knob or lever rigid at all times
## Functions & Descriptions

### 8200/R8200 Series Mortise Locks

#### 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

**+22 Deadlock**

8200

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

**+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

**+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
- Not Available with Behavioral Health Trim

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

Indicator options available for both sectional and escutcheon trim.
Electrical Functions & Monitoring Options
8200/R8200/7800 Series 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 A156.13 Grade 1 requirements, are UL listed on fire doors, and satisfy industry standards for operating temperature, shock and fire hazard.

Featuring EcoFlex® Technology*

- Reduces energy consumption up to 96%, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

*Patent pending

Electrical Requirements for electromechanical functions:

Voltage: Operates from 12-24VDC Regulated. Full wave rectification installed inside the lockbody.

Current:
- Actuator draw = .015 Amp continuous
- Maximum (2) locks per 1 Amp power supply (1/2 Amp peak current draw)

Operating Temp.: Max. 151°F (66°C), Min –31°F (-35°C)

UL and CUL listed for use on Fire Doors

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

Warning:

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

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

Electromechanical Functions

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

8200 & R8200

- 70 function — Power ON, locks outside lever
- 71 function — Power ON, unlocks outside lever
- Specify voltage: 12VDC or 24VDC (operates from 12-24VDC)
- Key outside retracts latchbolt
- Lever outside retracts latchbolt, except when locked
- Lever outside can only be locked electronically
- Lever inside always retracts latchbolt
- Auxiliary deadlatch

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

8200 & R8200

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

Electrified Mortise Locks with Standard Monitoring Options

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

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

Experience a safer and more open world

1-800-727-5477 • www.sargentlock.com
Electrical Functions & High Security Monitoring Options

8200/R8200/7800 Series Mortise Locks

Electrified Mortise Locks with High Security Monitoring:
The high security monitoring options of our industry-leading Integrated Wiegand locks are now available in a mortise lock that can be used as a stand-alone electrified lock or in conjunction with a wall reader. Every NAC lock is shipped with door position and request to exit monitoring installed. NAC locks ordered with deadbolt are supplied with deadbolt monitoring.

Functions:

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
<th>Illustration</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAC-82274</td>
<td>Fail Safe</td>
<td><img src="image1.png" alt="Fail Safe Illustration" /></td>
</tr>
<tr>
<td>NAC-82275</td>
<td>Fail Secure</td>
<td><img src="image2.png" alt="Fail Secure Illustration" /></td>
</tr>
<tr>
<td>NAC-82284</td>
<td>Fail Safe</td>
<td><img src="image3.png" alt="Fail Safe Illustration" /></td>
</tr>
<tr>
<td>NAC-82285*</td>
<td>Fail Secure</td>
<td><img src="image4.png" alt="Fail Secure Illustration" /></td>
</tr>
<tr>
<td>NAC-82270</td>
<td>Fail Safe</td>
<td><img src="image5.png" alt="Fail Safe Illustration" /></td>
</tr>
<tr>
<td>NAC-82271</td>
<td>Fail Secure</td>
<td><img src="image6.png" alt="Fail Secure Illustration" /></td>
</tr>
<tr>
<td>NAC-82280</td>
<td>Fail Safe</td>
<td><img src="image7.png" alt="Fail Safe Illustration" /></td>
</tr>
<tr>
<td>NAC-82281*</td>
<td>Fail Secure</td>
<td><img src="image8.png" alt="Fail Secure Illustration" /></td>
</tr>
</tbody>
</table>

High Security Monitoring Options

- **Internal End-of-Line Monitoring**
  Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

- **Deadbolt Privacy Function (PHR-)**
  - Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.
  - Ideal for personal privacy areas, such as nursing rooms, on-call doctors’ rooms, restrooms, and shower areas
  - To order, add the PHR- prefix to your order string

  Note: PHR is only available on Fail Secure functions

- **Integrated Door Position Switch (IDP-)**
  - The patented IDP option adds a magnetic door position switch in series with the internal auxiliary latch and latchbolt position switches to provide three factor monitoring.
  - This offers added assurance that the door is secure, reduces the likelihood of attack, and is aesthetically pleasing because it conceals the door position switch behind the front plate and the magnet behind the strike.
  - To order, add the IDP- prefix to your order string

Ordering Examples:
R01-IDP-NAC-82271-12V-LN-MD-26D-LHR
R04-PHR-IDP-NAC-82281-24V-LN-MD-26D-RHR

*Indicator available for Fail Secure only when used with PHR option.

Indicator options available for both sectional and escutcheon trim.
Overview, Features and Electrical Specifications

**8200/R8200/7800 Series Mortise Locks**

**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.

**Securitron PowerJump™ ICPT**

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

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

<table>
<thead>
<tr>
<th>SARGENT MODEL No.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>3521</td>
<td>12V - 1 AMP POWER SUPPLY</td>
</tr>
<tr>
<td>3541</td>
<td>12V - 3 AMP POWER SUPPLY</td>
</tr>
<tr>
<td>3551</td>
<td>12V - 4.5 AMP POWER SUPPLY</td>
</tr>
<tr>
<td>3571</td>
<td>12V - 6 AMP POWER SUPPLY</td>
</tr>
<tr>
<td>737</td>
<td>12V - 5 AMP HOUR BACKUP BATTERY</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SARGENT MODEL No.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>3520</td>
<td>24V - 1 AMP POWER SUPPLY</td>
</tr>
<tr>
<td>3540</td>
<td>24V - 2 AMP POWER SUPPLY</td>
</tr>
<tr>
<td>3550</td>
<td>24V - 4 AMP POWER SUPPLY</td>
</tr>
<tr>
<td>3570</td>
<td>24V - 6 AMP POWER SUPPLY</td>
</tr>
<tr>
<td>738</td>
<td>24V - 5 AMP HOUR BACKUP BATTERY</td>
</tr>
</tbody>
</table>

**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

**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
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- In the event of a DC short, the problem is confined to the zone of difficulty
- Fire alarm interface standard
Indicators
7800/8200 Series Mortise Locks

Applications
7800/8200 Series indicators can be used in a variety of applications and are most commonly used to identify occupancy or display the locked/unlocked status of a room.

- Restrooms
- Quiet rooms
- Nursing mother’s rooms
- Classroom doors
- Storage closets
- Drug closets

Features
- Inside, outside or both sides of the door
- Sectional or escutcheon trim
- Available with 33 different functions – including thumbturn functions
- Viewing window 25% larger than competition
- Patent pending curved design for viewing at multiple angles
- Window located prominently above the cylinder
- Highly reflective viewing window for increased safety
- Optional directional engraving available – must specify handing
- Retrofitable for existing applications

Functions
- Indicators are available with the following 7800 and 8200 Series functions. See pages 19-28 for details.

<table>
<thead>
<tr>
<th>Indicators</th>
<th>05</th>
<th>20</th>
<th>22</th>
<th>24</th>
<th>25</th>
<th>26</th>
<th>28</th>
<th>29</th>
<th>30</th>
<th>36</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>37</td>
<td>38</td>
<td>39</td>
<td>40</td>
<td>41</td>
<td>42</td>
<td>45</td>
<td>46</td>
<td>47</td>
<td>50</td>
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<tr>
<td></td>
<td>51</td>
<td>56</td>
<td>57</td>
<td>58</td>
<td>59</td>
<td>65</td>
<td>66</td>
<td>67</td>
<td>68</td>
<td>52</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>65</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NAC-PHR-82281
NAC-PHR-82285
Indicators
7800/8200 Series Mortise Locks

Sectional Trim
- Surface mounted
- Torx security screws provided
- Compatible with select sectional trim rose designs: O, LN, E, TR, CR, CO, TO, E2, E3
- Compatible with all thumbturn designs
- Available with optional directional arrow engraving
- Not compatible with BHW, BHL, ALP or BHD trims

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

Retrofit Kits
Retrofit kits are available for existing applications only. Each kit includes single side indicator plate with mechanism, screw pack, plastic temple and instructions.

To order retrofit kits, specify by model number. Door thickness, handing and indicator option code must also be specified with kit. Retrofit kits with directional engraving must include lock handing.

See page 36 for how to order examples.

<table>
<thead>
<tr>
<th>Model #</th>
<th>Used with Functions</th>
<th>Mounting Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA190</td>
<td>20, 21, 22, 24, 25, 26, 28, 29, 30, 39, 40, 41, 43, 45, 46, 47, 50, 51, 52, PHR-NAC-82281</td>
<td>Inside, Outside, Both</td>
</tr>
<tr>
<td>SA191</td>
<td>05, 36, 37, 56, 57, 58, 67</td>
<td></td>
</tr>
<tr>
<td>SA192</td>
<td>38, 59</td>
<td></td>
</tr>
<tr>
<td>SA193</td>
<td>65, 66, 68</td>
<td>Outside</td>
</tr>
<tr>
<td>SA194</td>
<td>21, 24, 25, 28, 43, 45, 47, 50, 51, 66, 68, PHR-NAC-82281, PHR-NAC-82285</td>
<td>Inside</td>
</tr>
<tr>
<td>SA196</td>
<td>05, 56, 57, 58, 65, 67</td>
<td></td>
</tr>
<tr>
<td>SA197</td>
<td>30, 37, PHR-NAC-82285</td>
<td>Inside, Outside</td>
</tr>
</tbody>
</table>

Note: Double indicators require separate kit for each side.
Indicators
7800/8200 Series Mortise Locks

**Escutcheon Trim**

- Unique escutcheon (VN1) for both inside and outside of door for indicator functions
- Non-indicator functions provide with standard escutcheons as ordered, i.e. LE1, LE2, LE3, LE4, LW1, LS or WT
- Through-bolted
- Torx security screws optional
- Compatible with all thumbturn designs
- Available with optional directional arrow engraving
- Not compatible with select lever designs: H001, H002, H003, H004, H005, H006, H007, H008, H009, H010, H011

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

**Trim Kits**

Complete trim kits are available to retrofit existing applications.

Trim kit includes levers and escutcheons with mechanism for both sides of door, screw pack, door marker and instructions.

To order trim kit only, specify by adding option codes IS and OS to the complete order string. Order string for inside trim and outside trim must be separated into two line items.

<table>
<thead>
<tr>
<th>Option Code</th>
<th>Functions</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>All functions*</td>
</tr>
<tr>
<td>OS</td>
<td>All functions*</td>
</tr>
</tbody>
</table>

*Escutcheon indicator trim kits available for all functions as listed on page 32

Note: Escutcheon applications require both sides of the door to have the unique VN1 escutcheon. Both inside and outside trim kits must be ordered for retrofit as shown in the example below.

**How to Order Example**

<table>
<thead>
<tr>
<th>Option Codes</th>
<th>Function</th>
<th>Escutcheon</th>
<th>Lever</th>
<th>Door Thickness</th>
<th>Hand</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS-8256-VN1-L-RH-26D</td>
<td>8256</td>
<td>VN1</td>
<td>L</td>
<td>1-3/4&quot;</td>
<td>RH</td>
<td>26D</td>
</tr>
<tr>
<td>OS-8256-VN1-L-RH-26D</td>
<td>8256</td>
<td>VN1</td>
<td>L</td>
<td>1-3/4&quot;</td>
<td>RH</td>
<td>26D</td>
</tr>
</tbody>
</table>

Office & Inner Entry Lock x escutcheon trim x inside indicator - Unlocked/Locked – Red/White x trim only. Note: Both IS and OS options must be specified as separate items. Both line items MUST be ordered to get an escutcheon retrofit kit. This example is an entry lock with the indicator on the inside only. There will be no indicator on the outside trim.
## Indicators

### 7800/8200 Series Mortise Locks

**Indicator Option Codes**

7800/8200 Series indicator option codes are designed to convey wording, color and side of door desired in one simple code. To order, specify option code for complete locksets and/or retrofit/trim kits.

#### Single Indicator

<table>
<thead>
<tr>
<th>Option Code</th>
<th>Outside Wording</th>
<th>Inside Wording</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>V10</td>
<td>Unlocked/Locked</td>
<td>No Indicator</td>
<td>Green/Red</td>
</tr>
<tr>
<td>V20</td>
<td>Vacant/Occupied</td>
<td>No Indicator</td>
<td>Green/Red</td>
</tr>
<tr>
<td>V30</td>
<td>Icons Only</td>
<td>No Indicator</td>
<td>Green/Red</td>
</tr>
<tr>
<td>V40</td>
<td>Unlocked/Locked</td>
<td>No Indicator</td>
<td>White/Red</td>
</tr>
<tr>
<td>V50</td>
<td>Vacant/Occupied</td>
<td>No Indicator</td>
<td>White/Red</td>
</tr>
<tr>
<td>V60</td>
<td>Icons Only</td>
<td>No Indicator</td>
<td>White/Red</td>
</tr>
<tr>
<td>V01</td>
<td>No Indicator</td>
<td>Unlocked/Locked</td>
<td>Green/Red</td>
</tr>
<tr>
<td>V03</td>
<td>No Indicator</td>
<td>Icons Only</td>
<td>Green/Red</td>
</tr>
<tr>
<td>V04</td>
<td>No Indicator</td>
<td>Unlocked/Locked</td>
<td>White/Red</td>
</tr>
<tr>
<td>V06</td>
<td>No Indicator</td>
<td>Icons Only</td>
<td>White/Red</td>
</tr>
</tbody>
</table>

#### Double Indicator

<table>
<thead>
<tr>
<th>Option Code</th>
<th>Outside Wording</th>
<th>Inside Wording</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>V11</td>
<td>Unlocked/Locked</td>
<td>Unlocked/Locked</td>
<td>Green/Red</td>
</tr>
<tr>
<td>V21</td>
<td>Vacant/Occupied</td>
<td>Unlocked/Locked</td>
<td>Green/Red</td>
</tr>
<tr>
<td>V33</td>
<td>Icons Only</td>
<td>Icons Only</td>
<td>Green/Red</td>
</tr>
<tr>
<td>V44</td>
<td>Unlocked/Locked</td>
<td>Unlocked/Locked</td>
<td>White/Red</td>
</tr>
<tr>
<td>V54</td>
<td>Vacant/Occupied</td>
<td>Unlocked/Locked</td>
<td>White/Red</td>
</tr>
<tr>
<td>V66</td>
<td>Icons Only</td>
<td>Icons Only</td>
<td>White/Red</td>
</tr>
</tbody>
</table>

### Engraving

<table>
<thead>
<tr>
<th>Option Code</th>
<th>Outside</th>
<th>Inside</th>
<th>Wording</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMA</td>
<td>Engraving</td>
<td>No Engraving</td>
<td>“Lock” with arrow</td>
</tr>
<tr>
<td>EMB</td>
<td>No Engraving</td>
<td>Engraving</td>
<td>“Lock” with arrow</td>
</tr>
<tr>
<td>EMC</td>
<td>Engraving</td>
<td>Engraving</td>
<td>“Lock” with arrow</td>
</tr>
</tbody>
</table>
**Indicators**

**7800/8200 Series Mortise Locks**

**Engraving Options**

- Laser engraving with "LOCK" and directional arrow
- Only available in the following finishes: 3, 4, 14, 15, 26, 26D
- Available with MicroShield®
- Door handing must be specified

<table>
<thead>
<tr>
<th>Option Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMA</td>
<td>Engraving located on outside of door</td>
</tr>
<tr>
<td>EMB</td>
<td>Engraving located on inside of door</td>
</tr>
<tr>
<td>EMC</td>
<td>Engraving located on inside and outside of door</td>
</tr>
</tbody>
</table>

Note: Engraving is available as an option for all functions when ordered with an indicator. Option codes must be specified with complete lock and/or retrofit kits/trim.

**How to Order Examples**

**Complete with Lock**

**Sectional Trim**

<table>
<thead>
<tr>
<th>Option Code</th>
<th>Function</th>
<th>Rose</th>
<th>Lever</th>
<th>Hand</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>V04</td>
<td>8238</td>
<td>O</td>
<td>L</td>
<td>RH</td>
<td>26D</td>
</tr>
</tbody>
</table>

Classroom Security Intruder Latchbolt function x sectional trim x single indicator inside – Unlocked/Locked – Red/White (engraving standard with this function)

**Escutcheon Trim**

<table>
<thead>
<tr>
<th>Option Code</th>
<th>Function</th>
<th>Escutcheon</th>
<th>Lever</th>
<th>Hand</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>V54 x EMB</td>
<td>8265</td>
<td>VN1</td>
<td>L</td>
<td>RH</td>
<td>26D</td>
</tr>
</tbody>
</table>

Privacy Bedroom/Bath function x escutcheon trim x double indicator - Vacant/Occupied – Red/White (Outside) Unlocked/Locked – Red/White (Inside) x inside engraving with "Lock" and directional arrow

**Retrofit/Trim Kit Only**

**Sectional Trim**

<table>
<thead>
<tr>
<th>Option Code</th>
<th>Model #</th>
<th>Door Thickness</th>
<th>Hand</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>V04</td>
<td>SA190</td>
<td>1-3/4”</td>
<td>RH</td>
<td>26D</td>
</tr>
</tbody>
</table>

Keyed function indicator for sectional trim x single indicator inside – Unlocked/Locked – Red/White

**Escutcheon Trim**

<table>
<thead>
<tr>
<th>Option Codes</th>
<th>Function</th>
<th>Escutcheon</th>
<th>Lever</th>
<th>Door Thickness</th>
<th>Hand</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS-V04-</td>
<td>8256</td>
<td>VN1</td>
<td>L</td>
<td>1-3/4”</td>
<td>RH</td>
<td>26D</td>
</tr>
<tr>
<td>OS-V04-</td>
<td>8256</td>
<td>VN1</td>
<td>L</td>
<td>1-3/4”</td>
<td>RH</td>
<td>26D</td>
</tr>
</tbody>
</table>

Office & Inner Entry Lock x escutcheon trim x inside indicator - Unlocked/Locked – Red/White x trim only. Note: Both IS and OS options must be specified as separate items. Both line items MUST be ordered to get an escutcheon retrofit kit. This example is an entry lock with the indicator on the inside only. There will be no indicator on the outside trim.
Indicators
7800/8200 Series Mortise Locks

Sectional Trim Only Indicators

The following indicators are available with sectional trim only and have different features and options than the indicators found on pages 32-36. To order the following sectional indicators with locksets, specify option codes 49- or 50-.

49- Option Visual Status Indicator for Non Secure Applications
- Designed to work with Classroom security functions
- Red/White indicator plate standard
- Mounts on inside of door
- Functions and Roses available:
  - 30, 36 & 37 functions with 7800, 8200 and R8200 locks, CR, L, LN, TR, E & O Roses
  - 26, 29, 38, 40 and 41 functions with 7800, 8200, and 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
- Mounts on outside of door
- Emergency coin operated release standard
- Functions and Roses available:
  - 65, 66, 68 Functions with 7800, 8200, and R8200 locks, CR, E, L, LN, O & TR Roses
- As retrofit, order 185P x finish

50- Option Secured Indicator Rose
- Non-handed with lever and mounting posts field reversible
- VAC/OCC indicator plate standard
- Mounts on outside of door
- Available for the following functions: 24, 25, 26, 28, 29, 30, 36, 37, 38, 39, 40, 41, 43, 45, 50, 51, 52, 57, 58, 67 - with Rose Trim only
- Patent pending design
- Not available with Roseless trim (R8200)
- For retrofit, order 185S x suffix x finish:

<table>
<thead>
<tr>
<th>Suffix</th>
<th>Door Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>-1</td>
<td>1-3/8&quot; (35mm)</td>
</tr>
<tr>
<td>-2</td>
<td>1-3/4&quot; (44mm)</td>
</tr>
<tr>
<td>-3</td>
<td>2&quot; (51mm)</td>
</tr>
<tr>
<td>-4</td>
<td>2-1/4&quot; (57mm)</td>
</tr>
</tbody>
</table>

Note: For 49- and 50- Options, key will not retract latch when used with 37 and 38 functions
Thumbturn Designs
8200/R8200/7800 Series Mortise Locks

130KB Round Backplate
(Shown with Standard Turn)
- Round backplate supplied standard with L, O, LN roses and R8200 roseless trim
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-1/2" (38mm) round brass or stainless steel plate
- Meets ADA Requirements

130KA Square Backplate
(Shown with Standard Turn)
- Square backplate supplied standard with E, E2, E3 or E4 roses
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-1/2" (38mm) round brass or stainless steel plate
- Meets ADA Requirements

130KT Traditional Backplate
(Shown with Standard Turn)
- Dual radii edge backplate supplied standard with TO and TR roses
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass plate
- Meets ADA Requirements

130KC Contemporary Backplate
(Shown with Standard Turn)
- Beveled edge backplate supplied standard with CO and CR roses
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass or stainless steel plate
- Meets ADA Requirements

130KBHA Turn for use with 8200 Mortise BHW, ALP, BHL and BHD Trim
- 3-3/4" x 2-1/2' rectangular shape
- Stainless steel housing
- Meets ADA and OMH Requirements

130W Round Backplate
(Shown with Standard Turn)
- Used with 7800 with sectional trim
- 1-1/2" (38mm) round brass or stainless steel plate

126 T-Turn
(7892 function only)
- 2-3/16" (56mm) round stainless steel backplate
- 2-3/8" (61mm) tall thumbturn
- Available in brass or bronze finishes only
- Surface mounted with three screws
- Order as “ST” trim with 7892 function
Emergency Releases & Accessories
8200/R8200/7800 Series Mortise Locks

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

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

Studio Collection Emergency Release
- 184KC Emergency Release Contemporary
- 184KT Emergency Release – Traditional

184KA Emergency Release (used with E rose)
- 1-1/2" (38mm) square brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only

Emergency Key 14-0057
- Carbon steel
- For 65, 66 and 68 functions only
- Must be ordered separately

184KBHA Emergency Release (used with BHW, ALP, BHL and BHD trim)
- 3-3/4" x 2-1/2" rectangular shape
- Stainless steel housing
- Meets ADA and OMH Requirements

Accessories

130KBCVR Cap
- Thumbturn plate
- Covers hole in door when thumb turn is no longer needed

82-4023 Cap
- 2" round
- Covers hole for levers and roses

Door Thickness | Part Number
---|---
1-3/8" | 82-4022
1-3/4" | 82-4023
2" | 82-4024
2-1/4" | 82-4025

Trim One Side Kit
Refer to page 51 for a complete list of kits
Overview, Features and Electrical Specifications

8200/R8200/7800 Series Mortise Locks

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Cylinders

8200/R8200/7800 Series Mortise Locks

Cylinder Lengths (Dim X)

<table>
<thead>
<tr>
<th>Cylinder No.</th>
<th>41</th>
<th>42</th>
<th>43</th>
<th>44</th>
<th>46</th>
<th>48</th>
<th>50</th>
<th>52</th>
<th>54</th>
<th>56</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dim X</td>
<td>1-1/8&quot; (29mm)</td>
<td>1-1/4&quot; (32mm)</td>
<td>1-3/8&quot; (35mm)</td>
<td>1-1/2&quot; (38mm)</td>
<td>1-3/4&quot; (44mm)</td>
<td>2&quot; (51mm)</td>
<td>2-1/4&quot; (64mm)</td>
<td>2-1/2&quot; (70mm)</td>
<td>2-3/4&quot; (76mm)</td>
<td>3&quot; (79mm)</td>
</tr>
<tr>
<td>Length Under Cylinder Head</td>
<td>1-5/16&quot; (33mm)</td>
<td>1-1/8&quot; (33mm)</td>
<td>15/32&quot; (12mm)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 (7268EMX x reg #)
- Supplied with Cam suffix -115 for Hotel Functions

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)

124 Series Mortise Cylinder Turn Lever
- Turn lever: Brass, bronze or aluminum
- Cap: Brass, bronze or stainless steel
- Must be ordered separately

10- Option Signature Series
- The protected system offers the building owner full control over duplication of keys. Highly pick-resistant cylinders
- 10-63- Option — Signature cylinder with Large Format Interchangeable Cores

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

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

DG1, DG2, DG3 - Degree Series
- Utility patented, bump resistant and requires the use of a patented key
- All three locking mechanisms within the same system to be operated with just one key
- See Degree Key System Catalog for available options

Not all cylinder series offered in sizes listed above, for complete cylinder information, see Cylinders & Components, Degree, Signature, Keso, Keso F1 or XC catalogs.
Cylinders & Rosettes

8200/R8200/7800 Series Mortise Locks

51- Option Old Style Removable Core
- Available for existing systems only
- Permanent Removable Cores
- Control key used to remove core, must request control key separately

60- or 70- Option Plastic Construction Core
- For doors that do not require key locking during the construction period
- Operate with coin or flat screw driver
- For use with LFIC (removable) (60- Option) or SFIC (70- Option) core

63- Option Large Format Interchangeable (Removable) Core
- Allows immediate removal of the core. Virtually unlimited key changes
- Available 10-63-, 11-63- & 11-64-
- For disposable core, see 60- Option
- 64- Option- LFIC 6-Pin construction core
- Control key used to remove core, must request control key separately

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

1SB Cylinder Collar
- Standard for 7800 BHD, 8200 BHL & BHW mortise locks
- Stainless steel
- 1-29/32” diameter
- Available in 4 sizes
- Projection from door:
  1SB-1  5/16” (8mm)
  1SB-2  7/16” (11mm)
  1SB-3  9/16” (14mm)
  1SB-4  11/16” (16mm)
- Finishes: 32, 32D

21- Option Lost Ball Construction System
- The SARGENT construction keying system protects the building owner by providing temporary masterkeying during the construction period

1KB Rosette with 8200 & R8200 sectional trim
- Used with mortise cylinders and No. 90 blocking rings when cylinders project from door
- Furnished standard with L, O, LN, CO, CR, TO and TR rossettes
- Brass, bronze or stainless steel
- 1-1/2” (38mm) diameter, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP
- Projection from door:
  1KB-1  5/16” (8mm) — Standard
  1KB-2  7/16” (11mm)
  1KB-3  9/16” (14mm)
  1KB-4  11/16” (16mm)

IKA Rosette with 8200 sectional trim
- Used with mortise cylinders
- Furnished standard with the E, E2, E3 and E4 rossettes
- 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)
  1KB-4  11/16” (16mm)
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

No. 97 Rosette
- Standard for cylinders ordered separately from hardware
- Standard for 7800 knob mortise & 4870 deadbolt
- Brass, bronze or stainless steel
- 1-11/16” diameter (43mm), 9/32” (7mm) projection, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

No. 90 Blocking Ring
- Required for double cylinder functions on KS and LS Escutcheon only
- Steel or stainless steel
- 1-15/32” (37mm) diameter
- 9/16” (14mm) projection
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

1KB-5 Cylinder Retaining Cap
### Rosette Requirements & Cams

**8200/R8200/7800 Series Mortise Locks**

#### Overview, Features and Electrical Specifications

---

**Rosette Requirements & Cams**

& Cams

8200/R8200/7800 Series Mortise Locks

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**Cylinder Cams For Mortise Locks**

- **SARGENT Conventional Cylinders**
  - **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**
  - **105 Cam** for 6300 Series 16 & 92 function i/S Cylinder
  - **115 Cam** for 6300 Series 50 (Hotel) function, supplied with 50 function cylinders

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**Specialty Hardware (BHW, BHL, BHD, ALP)**

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**Sections and Escutcheon Trim with V Series Indicators**

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**See Cylinder catalogs for additional information**

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**Single Cylinder**

**Sectional Trim (CO, CR, L, LN, O, PT, SL, SN, TO, TR)**

<table>
<thead>
<tr>
<th>Cylinder Size</th>
<th>Door Thickness</th>
<th>1-3/8&quot;</th>
<th>1-3/4&quot;</th>
<th>2&quot;</th>
<th>2-1/4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>1KB-2</td>
<td>1KB-1</td>
<td>1KB-1</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>1KB-3</td>
<td>1KB-2</td>
<td>1KB-2</td>
<td>1KB-1</td>
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</tr>
<tr>
<td>43</td>
<td>1KB-4</td>
<td>1KB-3</td>
<td>1KB-3</td>
<td>1KB-3</td>
<td></td>
</tr>
</tbody>
</table>

**Sectional Trim (E, E2, E3, E4)**

<table>
<thead>
<tr>
<th>Cylinder Size</th>
<th>Door Thickness</th>
<th>1-3/8&quot;</th>
<th>1-3/4&quot;</th>
<th>2&quot;</th>
<th>2-1/4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>1KA-2</td>
<td>1KA-1</td>
<td>1KA-1</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>1KA-3</td>
<td>1KA-2</td>
<td>1KA-2</td>
<td>1KA-1</td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>1KA-4</td>
<td>1KA-3</td>
<td>1KA-3</td>
<td>1KA-3</td>
<td></td>
</tr>
</tbody>
</table>

**Escutcheon Trim (CE, KE1, KE2, KW1, LE1, LE2, LW1, TE)**

<table>
<thead>
<tr>
<th>Cylinder Size</th>
<th>Door Thickness</th>
<th>1-3/8&quot;</th>
<th>1-3/4&quot;</th>
<th>2&quot;</th>
<th>2-1/4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>1KB-1 Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>1KB-2 Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>1KB-3 Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td></td>
</tr>
</tbody>
</table>

**Escutcheon Trim (WT)**

<table>
<thead>
<tr>
<th>Cylinder Size</th>
<th>Door Thickness</th>
<th>1-3/8&quot;</th>
<th>1-3/4&quot;</th>
<th>2&quot;</th>
<th>2-1/4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>97 Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>1SB-2 97 Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>1SB-3 97 Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td></td>
</tr>
</tbody>
</table>

**Specialty Hardware (BHW, BHL, BHD, ALP)**

<table>
<thead>
<tr>
<th>Cylinder Size</th>
<th>Door Thickness</th>
<th>1-3/8&quot;</th>
<th>1-3/4&quot;</th>
<th>2&quot;</th>
<th>2-1/4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>1SB-1 Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>1SB-2 Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>1SB-3 Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td></td>
</tr>
</tbody>
</table>

**Sectional and Escutcheon Trim with V Series Indicators**

<table>
<thead>
<tr>
<th>Cylinder Size</th>
<th>Door Thickness</th>
<th>1-3/8&quot;</th>
<th>1-3/4&quot;</th>
<th>2&quot;</th>
<th>2-1/4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>1KB-1 Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>1KB-2 Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td>Cylinder Only</td>
<td></td>
</tr>
</tbody>
</table>

---

**Cylinder Size Door Thickness**

- **1-3/8"**
- **1-3/4"**
- **2"**
- **2-1/4"**

---

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Experience a safer and more open world
Strikes & Fronts
8200/R8200/7800 Series Mortise Locks

• 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

Curved Lip Strike

<table>
<thead>
<tr>
<th>Door Thickness</th>
<th>Part No.</th>
<th>Lip Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-3/8” – 1-1/2” (35mm – 38mm)</td>
<td>82-0010</td>
<td>1-1/4” (32mm)</td>
</tr>
<tr>
<td>1-5/8” – 1-3/4” (41mm – 44mm)</td>
<td>82-0110</td>
<td>1-1/4” (32mm)</td>
</tr>
<tr>
<td>1-7/8” – 2” (46mm – 51mm)</td>
<td>82-0111</td>
<td>1-3/8” (35mm)</td>
</tr>
<tr>
<td>2-1/8” – 2-1/2” (54mm – 64mm)</td>
<td>82-0112</td>
<td>1-5/8” (41mm)</td>
</tr>
<tr>
<td>2-5/8” – 3” (67mm – 76mm)</td>
<td>82-0113</td>
<td>1-7/8” (48mm)</td>
</tr>
<tr>
<td>3-1/8” – 3-1/2” (79mm – 89mm)</td>
<td>82-0114</td>
<td>2-1/4” (54mm)</td>
</tr>
<tr>
<td>3-3/8” – 4” (86mm – 101mm)</td>
<td>82-0115</td>
<td>2-3/8” (61mm)</td>
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<tr>
<td>4-1/8” – 4-1/2” (105mm – 114mm)</td>
<td>82-0116</td>
<td>2-5/8” (67mm)</td>
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<tr>
<td>4-5/8” – 5” (117mm – 127mm)</td>
<td>82-0117</td>
<td>2-7/8” (73mm)</td>
</tr>
</tbody>
</table>

Strike screw: 01-1019 x finish

877 Open Back Strike

• Strike handed by active leaf

<table>
<thead>
<tr>
<th>Door Thickness</th>
<th>Part No. RH</th>
<th>Part No. LR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-3/4” (44mm)</td>
<td>82-0332</td>
<td>82-0333</td>
</tr>
<tr>
<td>2” (51mm)</td>
<td>82-0334</td>
<td>82-0335</td>
</tr>
<tr>
<td>2-1/4” (57mm)</td>
<td>82-0336</td>
<td>82-0337</td>
</tr>
<tr>
<td>2-1/2” (64mm)</td>
<td>82-0338</td>
<td>82-0339</td>
</tr>
<tr>
<td>2-3/4” (70mm)</td>
<td>82-0340</td>
<td>82-0341</td>
</tr>
<tr>
<td>3” (76mm)</td>
<td>82-0342</td>
<td>82-0343</td>
</tr>
</tbody>
</table>

Outside Front Plate

(for 1- options fronts, consult factory)

<table>
<thead>
<tr>
<th>Standard</th>
<th>Functions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-1/4” (32mm)</td>
<td>15, 65</td>
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<tr>
<td>82-0080</td>
<td>04, 05, 06, 13, 16, 17, 31, 36, 37, 38, 56, 57, 58, 67</td>
</tr>
<tr>
<td>82-0081</td>
<td>03, 20, 21, 22, 23, 28, 29, 30</td>
</tr>
<tr>
<td>82-0082</td>
<td>03, 20, 21, 22, 23, 28, 29, 30</td>
</tr>
<tr>
<td>82-0083</td>
<td>24, 25, 26, 27, 35, 39, 66, 68</td>
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<tr>
<td>82-0084</td>
<td>40, 41, 50, 51, 52</td>
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<td>82-0086</td>
<td>45, 46, 47, 48</td>
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<tr>
<td>82-0087</td>
<td>43</td>
</tr>
<tr>
<td>82-0088</td>
<td>89, 90, 91, 92</td>
</tr>
<tr>
<td>82-0578</td>
<td>70, 71, 72, 73, 78, 79</td>
</tr>
<tr>
<td>82-0549</td>
<td>76, 77</td>
</tr>
<tr>
<td>82-0627</td>
<td>95, 96, 97</td>
</tr>
<tr>
<td>82-0085</td>
<td>55</td>
</tr>
</tbody>
</table>

Outside front screws: 01-1028 x finish

Curved Lip Strike (Standard)

877 Open Back Strike

78-0034 Deadbolt Strike

77-1141 Wrought Box Strike

77-1141 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.

No. 677 Rabbeted Door Kits

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

Experience a safer and more open world
ADA and Handicap Warning

8200/R8200/7800 Series Mortise Locks

### 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, 130LT, 130W or 130KA x finish
  See page 38 for design

### LB - Thumbturn
- Meets the tougher local ADA requirements
- 40% larger than standard thumb turn
- Order as: 130LB, 130LC or 130LT x finish
  See page 38 for design

### Tactile Handicapped Warning
- Abrasive Coating: Options 85-, 86- & 87-
  - Complete lever abrasive coated
- Milled 1/16” Grooves: Options 75-, 76- & 77-
  - B, E, J, L, P and W Levers — Grooves on backside surface of lever
  - F Lever — Grooves on top and bottom surface of lever

### Tactile Handicapped Warning
- Knurled B & C Knobs available; options 75-, 76-, & 77-
- Knobs are NOT ADA compliant

### Keys
- Large key bows are available in Sargent C family of keyways
- Standard key bows can have attachments added to increase the grip area
- Keys are NOT ADA compliant
# Mechanical Options

## 8200/R8200/7800 Series Mortise Locks

### Mechanical Options:

#### Available mechanical options by lock type

<table>
<thead>
<tr>
<th>Categories</th>
<th>How to Specify</th>
<th>Detailed Description</th>
<th>8200</th>
<th>R8200</th>
<th>7800</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-3/8&quot; Door</td>
<td>1-</td>
<td>1-1/16&quot; (27mm) wide front for 1-3/8&quot; (35mm) doors (not available with RX-Option) (1- for 93 + 94 function is a special order)</td>
<td>X</td>
<td>—</td>
<td>X</td>
</tr>
<tr>
<td>Add Strength</td>
<td>3-</td>
<td>Stainless steel hubs with in the mortise lock</td>
<td>X</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Strike Option</td>
<td>23-</td>
<td>4-7/8&quot; (124mm) ANSI flat lip strike</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>OBS-</td>
<td>Open back strike</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>WBS-</td>
<td>Wrought box strike</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Thick Doors</td>
<td>31-</td>
<td>For doors 1-7/8&quot; (48mm) to 2-1/4&quot; (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 &amp; panel location (inside or outside of the door) For doors thicker than 2-1/4&quot; consult factory.</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Security Fasteners</td>
<td>36-</td>
<td>6 Lobe head security screws (Torx® type)</td>
<td>X</td>
<td>—</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>37-</td>
<td>Spanner head security screw (not available with Studio levers)</td>
<td>X</td>
<td>—</td>
<td>X</td>
</tr>
<tr>
<td>Visual Indicators</td>
<td>49-</td>
<td>Visual Status Indicator or Occupancy indicator with emergency release (not available with escutcheon trim)</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>50-</td>
<td>Secured indicator rose (available with rose trim only)</td>
<td>X</td>
<td>—</td>
<td>X</td>
</tr>
<tr>
<td>V10</td>
<td>Single Indicator Outside - Unlocked/Locked - Green/Red</td>
<td>X</td>
<td>—</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>V20</td>
<td>Single Indicator Outside - Vacant/Occupied - Green/Red</td>
<td>X</td>
<td>—</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>V30</td>
<td>Single Indicator Outside - Icons Only - Green/Red</td>
<td>X</td>
<td>—</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>V40</td>
<td>Single Indicator Outside - Unlocked/Locked - White/Red</td>
<td>X</td>
<td>—</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>V50</td>
<td>Single Indicator Outside - Vacant/Occupied - White/Red</td>
<td>X</td>
<td>—</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>V60</td>
<td>Single Indicator Outside - Icons Only - White/Red</td>
<td>X</td>
<td>—</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>V01</td>
<td>Single Indicator Inside - Unlocked/Locked - Green/Red</td>
<td>X</td>
<td>—</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>V03</td>
<td>Single Indicator Inside - Icons Only - Green/Red</td>
<td>X</td>
<td>—</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>V04</td>
<td>Single Indicator Inside - Unlocked/Locked - White/Red</td>
<td>X</td>
<td>—</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>V06</td>
<td>Single Indicator Inside - Icons Only - White/Red</td>
<td>X</td>
<td>—</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>V33</td>
<td>Double Indicator - Icons Only - Green/Red (Outside) Icons Only - Green/Red (Inside)</td>
<td>X</td>
<td>—</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>V44</td>
<td>Double Indicator - Unlocked/Locked - White/Red (Outside) Unlocked/Locked - White/Red (Inside)</td>
<td>X</td>
<td>—</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>V54</td>
<td>Double Indicator - Vacant/Occupied - White/Red (Outside) Unlocked/Locked - White/Red (Inside)</td>
<td>X</td>
<td>—</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>EMA</td>
<td>Outside Engraving with &quot;Lock&quot; and Directional Arrow</td>
<td>X</td>
<td>—</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>EMB</td>
<td>Inside Engraving with &quot;Lock&quot; and Directional Arrow</td>
<td>X</td>
<td>—</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>EMC</td>
<td>Engraving Both Sides with &quot;Lock&quot; and Directional Arrow</td>
<td>X</td>
<td>—</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Electrical Options</td>
<td>DX-</td>
<td>Deadbolt monitoring — Monitor deadbolt position (not available with LX-)</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>LX-</td>
<td>Latchbolt monitor — Monitors latchbolt position (not available with deadbolt functions)</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>RX-**</td>
<td>Request to Exit — Monitors each lever independently (not available with LB-option)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>TL-</td>
<td>SARGuide illuminated inside WT trim with the word EXIT illuminated (4-1/2&quot; pocket depth required)</td>
<td>X</td>
<td>—</td>
<td>—</td>
<td></td>
</tr>
</tbody>
</table>

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

**Not available in combination
## Mechanical Options
### 8200/R8200/7800 Series Mortise Locks

#### Categories How to Specify

<table>
<thead>
<tr>
<th>Categories</th>
<th>How to Specify</th>
<th>Detailed Description</th>
<th>8200</th>
<th>R8200</th>
<th>7800</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lever/Knob Combination</td>
<td>68- 8200 Lock furnished w/lever handle outside x knob inside (not available with the AV-Option or FE Trim)</td>
<td>X — —</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>69- 8200 Lock furnished w/lever handle inside x knob outside (not available with the AV-Option or FE Trim)</td>
<td>X — —</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lead Lining</td>
<td>74- Lead lining or wrapping available with sectional trim only (not available with DX-or LX- Options)</td>
<td>X — X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tactile Warnings</td>
<td>75- Tactile Warning — Milled levers or knurled knobs. Inside trim only (not available with Studio &amp; Coastal levers, the A lever &amp; K, N &amp; D knobs)</td>
<td>X — X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>76- Tactile Warning — Milled levers or knurled knobs. Outside trim only (not available with Studio &amp; Coastal levers, the A lever &amp; K, N &amp; D knobs)</td>
<td>X — X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>77- Tactile Warning — Milled levers or knurled knobs. Inside &amp; outside trim (not available with Studio &amp; Coastal levers, the A lever &amp; K, N &amp; D knobs)</td>
<td>X — X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>85- Tactile Warning — Abrasive coating inside trim only (not available with D knobs)</td>
<td>X X X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>86- Tactile Warning — Abrasive coating outside trim only (not available with D knobs)</td>
<td>X X X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>87- Tactile Warning — Abrasive coating inside &amp; outside trim (not available with D knobs)</td>
<td>X X X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anti-Vandal Trim</td>
<td>AV- Anti-Vandal pull trim (not available with LS &amp; FE trim and Options 1-, 31-, 49-, 50-, 68-, 69-, 76-, 77-, 86-, 87-, DX-or SG-)</td>
<td>X — X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finish Protection</td>
<td>CPC- Clear Powder Coat (available for 32 &amp; 32D finishes)</td>
<td>X X X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SG- MicroShield® antimicrobial clear powder coat</td>
<td>X X X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thumbturns (See page 38)</td>
<td>LB- ADA Extra large thumbturn; backplate matches rose design chosen</td>
<td>X X X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>T1- Decorative thumbturn; backplate matches rose design chosen</td>
<td>X X —</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>T2- Decorative square thumbturn; backplate matches rose design chosen</td>
<td>X X —</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>T3- Decorative cylinder thumbturn; backplate matches rose design chosen</td>
<td>X X —</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 Available on 15, 26D, and 32D Finishes only
2 Not available in combination
3 Entire lever surface provided with abrasive coating
## Cylinder Options:

### 8200/R8200/7800 Series Mortise Locks

### Cylinder Options:

<table>
<thead>
<tr>
<th>Categories</th>
<th>How to Specify</th>
<th>Detailed Description</th>
<th>Cylinder Sizes Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conventional Cylinder</td>
<td>DG1-</td>
<td>SARGENT Conventional Cylinders supplied standard</td>
<td>41, 44, 46</td>
</tr>
<tr>
<td>Degree Key System</td>
<td>DG1-21- *</td>
<td>Degree Level 1 Construction Master Keying</td>
<td>41, 44, 46</td>
</tr>
<tr>
<td></td>
<td>DG1-60-</td>
<td>Degree Level 1 Removable Disposable Construction Core</td>
<td>41, 44, 46</td>
</tr>
<tr>
<td></td>
<td>DG1-63-</td>
<td>Degree Level 1 Removable Core</td>
<td>41, 44, 46</td>
</tr>
<tr>
<td></td>
<td>DG1-64-</td>
<td>Degree Level 1 Removable Construction Keyed LFIC</td>
<td>41, 44, 46</td>
</tr>
<tr>
<td></td>
<td>DG1-65- *</td>
<td>Degree Level 1 Unassembled/Uncombined Core</td>
<td>41, 44, 46</td>
</tr>
<tr>
<td></td>
<td>DG1-78- *</td>
<td>Degree Level 1 Exposed Plug (for use with LE3/LE4 escutcheons only)</td>
<td>41, 43</td>
</tr>
<tr>
<td></td>
<td>DG2-2+</td>
<td>SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)</td>
<td>41, 44, 46</td>
</tr>
<tr>
<td></td>
<td>DG2-21- *</td>
<td>Degree Level 2 Construction Master Keying</td>
<td>41, 44, 46</td>
</tr>
<tr>
<td></td>
<td>DG2-60- *</td>
<td>Degree Level 2 Removable Disposable Construction Core</td>
<td>41, 44, 46</td>
</tr>
<tr>
<td></td>
<td>DG2-63- *</td>
<td>Degree Level 2 Removable Core</td>
<td>41, 44, 46</td>
</tr>
<tr>
<td></td>
<td>DG2-64- *</td>
<td>Degree Level 2 Removable Construction Keyed LFIC</td>
<td>41, 44, 46</td>
</tr>
<tr>
<td></td>
<td>DG2-65- *</td>
<td>Degree Level 2 Unassembled/Uncombined Core</td>
<td>41, 44, 46</td>
</tr>
<tr>
<td></td>
<td>DG3-21- *</td>
<td>Degree Level 3 Construction Master Keying</td>
<td>41, 44, 46</td>
</tr>
<tr>
<td></td>
<td>DG3-60- *</td>
<td>Degree Level 3 Removable Disposable Construction Core</td>
<td>41, 44, 46</td>
</tr>
<tr>
<td></td>
<td>DG3-63- *</td>
<td>Degree Level 3 Removable Core</td>
<td>41, 44, 46</td>
</tr>
<tr>
<td></td>
<td>DG3-64- *</td>
<td>Degree Level 3 Removable Construction Keyed LFIC</td>
<td>41, 44, 46</td>
</tr>
<tr>
<td>Signature Key System</td>
<td>10- *</td>
<td>SARGENT Signature Key System (not available with other key systems)</td>
<td>41, 44, 46, 48, 50, 52, 54, 56</td>
</tr>
<tr>
<td></td>
<td>10-21- *</td>
<td>SARGENT Signature Construction Key System (Lost Ball)</td>
<td>41, 44, 46, 48, 50, 52, 54, 56</td>
</tr>
<tr>
<td></td>
<td>10-63- *</td>
<td>SARGENT Signature LFIC (removable) Core Cylinder</td>
<td>42, 43, 44 &amp; 46</td>
</tr>
<tr>
<td>Signature Large Format Interchangeable Core (Removable Core)</td>
<td>11- *</td>
<td>XC Key System (not available with other key systems, unless specified)</td>
<td>41, 44, 46, 48, 50, 52, 54, 56</td>
</tr>
<tr>
<td></td>
<td>11-21- *</td>
<td>XC- Construction Key System (Lost Ball)</td>
<td>41, 44, 46, 48, 50, 52, 54, 56</td>
</tr>
<tr>
<td></td>
<td>11-60- *</td>
<td>Hardware to accept XC- Permanent LFIC (removable core), disposable plastic core provided</td>
<td>42, 43, 44 &amp; 46</td>
</tr>
<tr>
<td></td>
<td>11-63- *</td>
<td>Hardware provided with XC- LFIC (removable core) cylinder — Includes masterkeying, grand masterkeying</td>
<td>42, 43, 44 &amp; 46</td>
</tr>
<tr>
<td></td>
<td>11-64- *</td>
<td>Hardware provided with keyed construction core to accept XC- LFIC (removable) permanent core ordered separately</td>
<td>42, 43, 44 &amp; 46</td>
</tr>
<tr>
<td></td>
<td>11-70-7P- *</td>
<td>Hardware to accept XC- SFIC (7-Pin) XC- permanent cores, disposable plastic core provided</td>
<td>43 &amp; 46</td>
</tr>
<tr>
<td></td>
<td>11-72-7P- *</td>
<td>Hardware to accept XC- SFIC (7-Pin keyed construction core provided) cylinder permanent core ordered separately</td>
<td>43 &amp; 46</td>
</tr>
<tr>
<td></td>
<td>11-73-7P- *</td>
<td>Hardware provided with XC- Small format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)</td>
<td>43 &amp; 46</td>
</tr>
<tr>
<td></td>
<td>11-65-73-7P- *</td>
<td>Hardware provided to accept XC- Uncombined 7-Pin SFIC (permanent) core — (packed loose)</td>
<td>43 &amp; 46</td>
</tr>
<tr>
<td>XC- Small Format Interchangeable Cores</td>
<td>21- *</td>
<td>SARGENT Lost Ball Construction keying for conventional, XC and Signature Series (N/A with 63- or 73-)</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>22- *</td>
<td>SARGENT Construction Split Key System for conventional cylinders (existing systems only) (N/A with 10-, 11-, 63- or 73-)</td>
<td>—</td>
</tr>
<tr>
<td>Construction Key System</td>
<td>51- *</td>
<td>Removable core cylinder (Old style) provided (existing systems only)</td>
<td>142, 143, 144, 146</td>
</tr>
<tr>
<td>Old Style Removable Core</td>
<td>52- *</td>
<td>Removable construction core (Old style) permanent core ordered separately (existing systems only)</td>
<td>142, 143, 144, 146</td>
</tr>
</tbody>
</table>

* Options not available with 50 function lockout cylinder
+ Not available with R8200 Series

**Note:** Interchangeable core and removable core cylinders do not meet Security Grade 1 requirements.
# Cylinder Options

## Cylinder Options:

<table>
<thead>
<tr>
<th>Categories</th>
<th>How to Specify</th>
<th>Detailed Description</th>
<th>Cylinder Sizes Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large Format Interchangeable Core</td>
<td>60-</td>
<td>Hardware to accept SARGENT permanent LFIC (removable core), disposable plastic core provided (permanent cores ordered separately)</td>
<td>42, 43, 44 &amp; 46</td>
</tr>
<tr>
<td></td>
<td>63-</td>
<td>Hardware provided with LFIC (removable core) cylinder - (Includes masterkeying, grand masterkeying)</td>
<td>42, 43, 44 &amp; 46</td>
</tr>
<tr>
<td></td>
<td>64-</td>
<td>Hardware provided with Keyed construction core to accept LFIC (removable) permanent core (ordered separately)</td>
<td>42, 43, 44 &amp; 46</td>
</tr>
<tr>
<td>Small Format Interchangeable Cores</td>
<td>70-*</td>
<td>Hardware to accept 6- or 7-Pin SFIC permanent cores, disposable plastic core provided</td>
<td>43 &amp; 46</td>
</tr>
<tr>
<td></td>
<td>72-*</td>
<td>Hardware to accept 6- or 7-Pin SFIC (keyed construction core provided) cylinder (permanent core ordered separately)</td>
<td>43 &amp; 46</td>
</tr>
<tr>
<td></td>
<td>73-*</td>
<td>Hardware provided with 6-Pin SFIC (Includes masterkeying, grand masterkeying)</td>
<td>43 &amp; 46</td>
</tr>
<tr>
<td></td>
<td>65-73-*</td>
<td>Hardware provided to accept uncombined 6-Pin SFIC (permanent) core — (packed loose for field keying)</td>
<td>43 &amp; 46</td>
</tr>
<tr>
<td></td>
<td>65-73-7P-*</td>
<td>Hardware provided to accept uncombined 7-Pin SFIC (permanent) core — (packed loose for field keying)</td>
<td>43 &amp; 46</td>
</tr>
<tr>
<td></td>
<td>73-7P-*</td>
<td>Hardware provided with Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)</td>
<td>43 &amp; 46</td>
</tr>
<tr>
<td>Keso &amp; Keso F1</td>
<td>81-*</td>
<td>Hardware provided with housings to accept Keso (83) &amp; Keso F1 (F1-83-) removable cores (permanent cores ordered separately)</td>
<td>172-174,176</td>
</tr>
<tr>
<td></td>
<td>82-</td>
<td>Hardware provided with SARGENT Keso security cylinder</td>
<td>71-74,76</td>
</tr>
<tr>
<td></td>
<td>83-*</td>
<td>Hardware provided with SARGENT Keso security removable core cylinder</td>
<td>172-174,176</td>
</tr>
<tr>
<td></td>
<td>F1-83-*</td>
<td>Hardware provided with SARGENT Keso F1 security removable core cylinder (patented)</td>
<td>172-174,176</td>
</tr>
<tr>
<td></td>
<td>84-*</td>
<td>Hardware provided with SARGENT Keso construction cores (permanent cores ordered separately)</td>
<td>172-174,176</td>
</tr>
<tr>
<td>Additional Security</td>
<td>BR-</td>
<td>Bump resistant cylinder (available with conventional &amp; conventional XC cylinders only)</td>
<td>—</td>
</tr>
<tr>
<td>Less Cylinder</td>
<td>LC-</td>
<td>Less cylinder – SARGENT supplies standard blocking rings for 1-1/8” cylinders (for longer cylinders order collars/rings separately)</td>
<td>—</td>
</tr>
<tr>
<td>Schlage Keyways</td>
<td>SC-*</td>
<td>Schlage C keyway cylinder, 0 bitted</td>
<td>#41 Only</td>
</tr>
<tr>
<td></td>
<td>SE-*</td>
<td>Schlage E keyway cylinder, 0 bitted</td>
<td>#41 Only</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Cylinder Length</th>
<th>SARGENT Cylinder Sizes</th>
<th>Keso Cylinder Sizes</th>
<th>Keso R/C Cylinder Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-1/8&quot;</td>
<td>#41</td>
<td>#71</td>
<td>N/A</td>
</tr>
<tr>
<td>1-1/4&quot;</td>
<td>#42</td>
<td>#72</td>
<td>#172</td>
</tr>
<tr>
<td>1-3/8&quot;</td>
<td>#43</td>
<td>#73</td>
<td>#173</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>#44</td>
<td>#74</td>
<td>#174</td>
</tr>
<tr>
<td>1-3/4&quot;</td>
<td>#46</td>
<td>#76</td>
<td>#176</td>
</tr>
<tr>
<td>2&quot;</td>
<td>#48</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>2-1/4&quot;</td>
<td>#50</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>2-1/2&quot;</td>
<td>#52</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>2-3/4&quot;</td>
<td>#54</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>3&quot;</td>
<td>#56</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>
**How to Order 8200, R8200 & 7800 Series Mortise Locks**

<table>
<thead>
<tr>
<th>Options*</th>
<th>Series</th>
<th>Function</th>
<th>Voltage</th>
<th>TR</th>
<th>MJ</th>
<th>1S</th>
<th>RHR</th>
</tr>
</thead>
<tbody>
<tr>
<td>For all available options see Pages 45-48</td>
<td>82 R82 78 Mortise Lock</td>
<td>Pages 19-28 for Details</td>
<td>12VDC 24VDC</td>
<td>Pages 10-13 (With R8200, specify “R” for roseless design)</td>
<td>Levers — Pages 8-12 FW Trim — Page 14, Push/Pull Trim — Page 18, Knobs — Page 15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Multiple options can be selected

**Finishes**

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

* Multiple options available  
  — 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**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>82-3855</td>
<td>6 Lobe Bit Pack 6 bits</td>
</tr>
</tbody>
</table>
| 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**

<table>
<thead>
<tr>
<th>LEFT HAND</th>
<th>RIGHT HAND</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSIDE</td>
<td>OUTSIDE</td>
</tr>
<tr>
<td>LEFT HAND</td>
<td>RIGHT HAND</td>
</tr>
</tbody>
</table>

* Multiple options available  
  Wrought Box Strike optional — must order with lockset as WBS- option
How to Order Gramercy Series Levers

8200/R8200/7800 Series Mortise Locks

Gramercy Series Levers

REM, RGM
RCM
RAG, RAL, RAM, RAS

Gramercy Finish Codes

<table>
<thead>
<tr>
<th>ANSI/BHMA Finish</th>
<th>SARGENT Finish</th>
<th>Gramercy Code*</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>630</td>
<td>32D</td>
<td>30</td>
<td>Satin Stainless Steel</td>
</tr>
<tr>
<td>629</td>
<td>32</td>
<td>29</td>
<td>Bright Stainless Steel</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>BH</td>
<td>Maple (wood insert)</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>BK</td>
<td>Black (Santoprene™ or leather insert)</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>BN</td>
<td>Brown (leather insert)</td>
</tr>
</tbody>
</table>

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

Gramercy Lever Descriptions & Available Finishes

<table>
<thead>
<tr>
<th>Lever Designation</th>
<th>Lever Description</th>
<th>Available Finishes (AS ORDERED)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAG</td>
<td>Grooved Insert</td>
<td>2929 or 3030</td>
</tr>
<tr>
<td>RAL</td>
<td>Leather Insert</td>
<td>298K29, 298N29 or 308K30, 308N30</td>
</tr>
<tr>
<td>RAM</td>
<td>Satin Metal Insert</td>
<td>2930** only (SEE NOTATION)</td>
</tr>
<tr>
<td>RAS</td>
<td>Santoprene Insert</td>
<td>298K29 or 308K30</td>
</tr>
<tr>
<td>RCM</td>
<td>Raised Band</td>
<td>2929, 3030 or 2930**</td>
</tr>
<tr>
<td>REM</td>
<td>Plain</td>
<td>2929 or 3030</td>
</tr>
<tr>
<td>RGM</td>
<td>Two Grooves</td>
<td>2929 or 3030</td>
</tr>
</tbody>
</table>

**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 ANSI/BHMA standard finish code, i.e. use “29” for polished stainless, ANSI/BHMA finish 629

How to Order 8200 Series Mortise Locks with Gramercy Levers

<table>
<thead>
<tr>
<th>Options</th>
<th>Series</th>
<th>Function</th>
<th>Voltage</th>
<th>Rose/ Escutcheon</th>
<th>Lever</th>
<th>Finish</th>
<th>Hand</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from</td>
<td>82</td>
<td>Select from</td>
<td>Specified for electrical functions</td>
<td>Leather insert</td>
<td></td>
<td>Bright stainless steel with brown leather</td>
<td>RHR, RH, LHR, or LH</td>
</tr>
<tr>
<td>pages 45-48</td>
<td></td>
<td>pages 19-28</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10-</td>
<td>82</td>
<td>71</td>
<td>12VDC</td>
<td>LN</td>
<td>RAL</td>
<td>298N29</td>
<td>RH</td>
</tr>
</tbody>
</table>

Gramercy Levers are available with E2, E3, E4, O, CO, TO, LN, CR, TR roses and CE, TE, LE1, VN1 escutcheons.
Multi-Functional Lockbody
8200/R8200/7800 Series Mortise Locks

How to Change Lock Function:
The Green Catch Screw must be located in the designated location as specified on the lock case to produce the desired function. There are three locations: one location for 05, 37 & 38 functions; one location for 04, 06, 13, & 31 functions; and one location for 36 function.

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

Function & Part Listing for the Multifunction Lockbody

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

*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 41 of this catalog for details

** Inside trim sets include: Inside lever/knob, inside rose or escutcheon, trim pack (spindles, through-bolt screws, set screw, inside adapter plate assembly), trim finish screws (for escutcheons)

*** Outside trim sets include: Outside lever/knob, outside rose or escutcheon, outside mounting plate, two through-bolt studs, washers, retaining nut, and cylinder rosettes (for cylinder functions only)

+ Trim One-Side Kit includes: adapter assembly, spindle, through-bolt screws and plate adapter assembly. An inside lever is always used with this kit and is used on either side of the door as required

++ Thumb turn: Rose trims use 130KB thumb turn for Levers, and 130W thumb turn for Knobs. Escutcheon trims require escutcheon to be ordered according to function/design, to receive thumb turn affixed to it

<table>
<thead>
<tr>
<th>Type of Rose/Escutcheon</th>
<th>Kit Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trim One Side Kit E, O, KW, LN &amp; LW1 (Standard trim only — not for use with Studio levers)</td>
<td>82-3208</td>
</tr>
<tr>
<td>Trim One Side Kit KE &amp; LE (1 &amp; 3) (Standard trim only — not for use with Studio levers)</td>
<td>82-3209</td>
</tr>
<tr>
<td>Trim One Side Kit L Rose &amp; WT</td>
<td>82-3210</td>
</tr>
<tr>
<td>Trim One Side Kit Blank Rose (1-3/4&quot; door)</td>
<td>82-4023</td>
</tr>
</tbody>
</table>

Note: 8200/R8200/7800 Series Mortise Locks are certified for all functions including electrical functions and trims without exceptions.
2.1 Heavy Duty Mortise Locks

A. Heavy duty mortise locks shall be 8200/R8200 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 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.

C. Strikes shall be non-handed without opening the lockbody.

D. Strikes shall comply with UL 10C positive pressure requirements.

E. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of A label (3 hours) and less, for doors up to 40” (1.02 m) x 10’0” (3.05 m) and pairs of doors 8’0” (2.4 m) x 10’0” (3.05 m).

F. Construction:
   1. Lock functions shall be manufactured in a single-sized case formed from 12 gauge steel minimum.
   2. Lock cases shall be closed on all sides and back.
   3. Locks shall have field adjustable, beveled, armored front, with a 0.125 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.
   7. Locks shall have a 2-2/4” (70mm) backset, standard.
   8. Strikes shall be non-handed with a curved lip.
   9. To ensure proper alignment, trim, knobs or levers, shall be through-bolted and fully interchangeable between rose and escutcheon.
   10. Locks shall have brass 6-Pin cylinder, standard.
   11. 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 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.

2.2 EcoFlex® Electrified Mortise Locks

A. SARGENT 8200/R8200 Electrified Mortise Locks

1. General: ANSI/BHMA certified extra heavy duty, lever type mortise lock conforming to ANSI/BHMA A156.13 Series 1000, Grade 1 requirements and ANSI A117.3 accessibility guidelines.

2. Monitoring: Optional real-time monitoring of latchbolt, deadbolt, door open/closed status and valid egress where specified. Valid egress signaled by activation of the Request-to-Exit (RX) switch integral to the inside lever of the lockset on the unsecure side of the door capable of shunting external alarms. Door open/closed status provided by monitoring the deadlatch and latchbolt in series with optional integrated magnetic door position switch.

3. Locking and unlocking of the lever handle by electronic operation contained completely within the body of the mortise lock.
   a. Field configurable Fail Safe /Fail Secure by means of an external DIP switch setting.
   b. Operationally voltage-insensitive 12 to 24 VDC.
   c. Energy Performance: Maximum standby current required for functional operation not to exceed 50 mA at 24 VDC limiting potential inductive kickback or the need for external diodes.
   d. Functional locking operation not affected by cable runs greater than 500 feet using a minimum 22 AWG wire.

4. Monitoring: Optional real-time monitoring of latchbolt, deadbolt, door open/closed status and valid egress where specified. Valid egress signaled by activation of the Request-to-Exit (RX) switch integral to the inside lever of the lockset on the unsecure side of the door capable of shunting external alarms. Door open/closed status provided by monitoring the deadlatch and latchbolt in series with optional integrated magnetic door position switch.

5. Functional locking operation not affected by cable runs greater than 500 feet using a minimum 22 AWG wire.

6. Specified Manufacturer:
   Sargent Manufacturing (SA) — 8200/R8200 Series.
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ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.