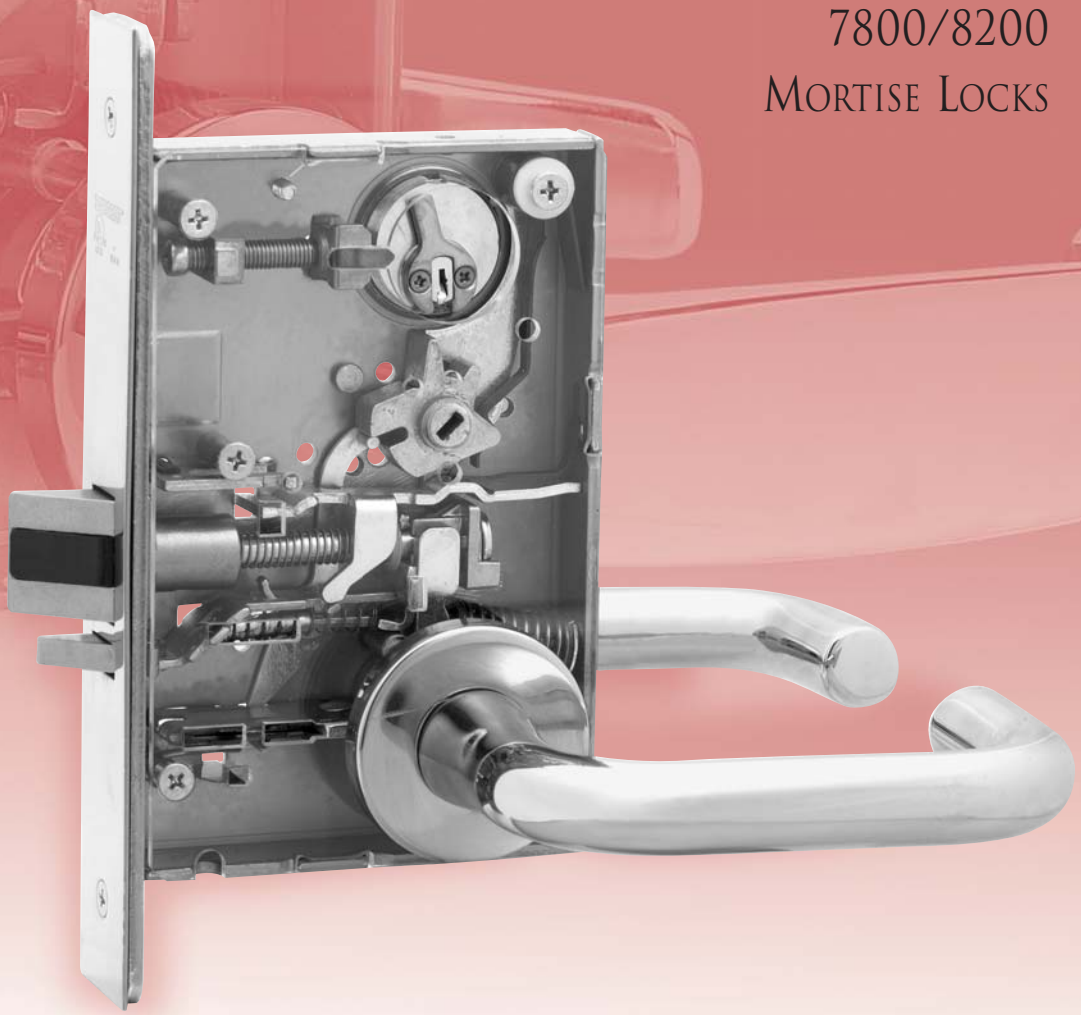
SARGENT®

7800/8200
Mortise Locks



An ASSA ABLOY Group company

ASSA ABLOY

7800/8200 Mortise Locks

SARGENT
1-800-727-5477
www.sargentlock.com

Table of Contents

Specifications and Certifications 1
Features 2
Mortise SARGuide 3
Coastal Series™ Decorative Levers, Roses,
Escutcheons and Turns 4
8200 Levers with Rose Designs 5
8200 Escutcheon Designs 6
8200 Freewheeling Design, ADA and Handicap Warning 7
7800 Push/Pull Trim and 7800/8200 Anti-Vandal Trim 8
7800 Knob and Escutcheon Designs 9
Functions 10-16
Strikes and Fronts 17
Electrical Functions and Monitoring Options 18
Turns, Emergency Releases and Indicators 19
Cylinders and Rosettes 20-21
Cylinder Requirements and Cams 22
Prefixes and Options 23
How to Order, Finishes, Packaging and Security Screw Chart 24
Suggested Architectural Specifications 25
Multi-functional Lockbody Options . . . . . Back cover

ELECTRO Lynx™ Hardwiring Made Easy

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

ElectroLynx™ is a registered trademark of ASSA ABLOY North America, Inc.

SARGuard™ Patent Pending

SARGuard 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, SARGuard lasts for the life of the hardware
- SARGuard coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The AgION antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools medical centers, daycare, food processing etc.)

AgION

The AgION antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to insure the surfaces will be free of destructive microbes. SARGENT makes no representations or warranties, express or implied, as to the efficacy of the AgION antimicrobial. A copy of the AgION warranty is available upon request.

SARGuide™

SARGuide

- The SARGuide illuminated mortise lock increases visibility of exit locations in dark or smoke-filled passages, supplementing existing codes for egress lighting
- SARGuide utilizes state-of-the-art FLATLITE electroluminescent lighting from E-Lite Technologies Inc.
- Green-blue electroluminescent light provides 3 to 5 times the visibility of other lights
- SARGuide can be wired for continuous operation or activation by fire alarm system
- Mortise lock are placed low enough on a door to provide an extended window of opportunity for safe emergency egress
- Supplements building exit signs required by code
- Intuitive operation. Integral "EXIT" signage guides users directly to the means of egress
- SARGuide can be ordered by adding the TL prefix to any 8200 series mortise lock with WT Trim, which allows free egress

8200 Mortise SARGuide

On The Cover

- 8237 Multi Function Lock LNJ LHRB

7800/8200 Mortise Locks Specifications

SARGENT
1-800-727-5477
www.sargentlock.com

Specifications

For Doors	1-3⁄4" (44mm) thick standard. For doors over 1-3⁄4" (44mm), specify door thickness and panels (if any)
Backset	2-3⁄4" (70mm) only
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1⁄4" (31mm), ANSI Standard A115.1. Adjustable at any angle from flat to beveled 1⁄8" (3mm) in 2" (51mm)
Springs	High carbon steel
Hubs for Knobs	Sintered iron copper infiltrated
Hubs for Levers	Cold forged steel
Hubs for Institutional	Stainless steel (3- prefix)
Latchbolt	Stainless steel 3⁄4" (19mm) projection one-piece, anti-friction reversible latch
Auxiliary Deadlatch	Stainless steel, non-handed
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection
Hand	Specify hand on order; easily field reversible (if no hand is specified RH will be provided)
Strike	Brass, bronze or stainless steel; ANSI Standard A115.1; curved lip, non-handed (strike box optional)
Keys	Two, nickel silver (control key or emergency key must be ordered when required)
Cylinder	Brass, size #41 (1-1/8") standard (except for Freewheeling, size #46 (1-3/4")). Available with SARGENT Signature, V-10, XC and KESO Security Systems
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available
Finishes	3, 4, 9, 10, 10B, 10BL, 15, 20D, 26, 26D, 32, 32D Special finishes are available. (Contact factory for details)
Classroom Security	38, 39, 40, 41 Functions (All mortise trim designs available except KE/LE 3 & 4 and PT trim or FE trim with 41 function)
Stile	4-1/2" (114mm) minimum stile for 7800/8200, 4-3/4" (121mm) minimum stile for electrical function locks
Door Prep	ANSI A115.1 modified per template (see template for 7800/8200 lockbody & trim)
Warranty	10 year limited warranty, 2 year limited warranty on electrified locks Warranty limited to replacement of Lockbody and/or components.

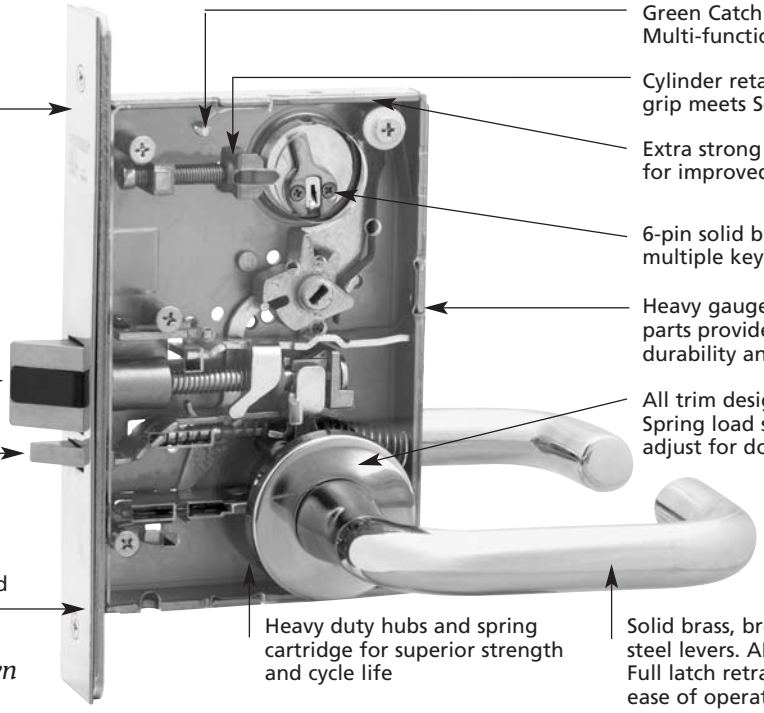
Certification Compliance

ANSI/BHMA	Meets ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1 with all standard trims. ANSI/ASTM F476-84 Grade 40 with concealed mortise cylinder. Meets or exceeds ASTM F1577-95b paragraph 6.2 detention impact level 1 for deadbolt functions, level 3 for latchbolt only functions. **Note: Removable Core and SFIC Cylinders do not meet Security Grade 1 requirements.**
ADA	Meets A117.1 Accessibility Code. Meets BOMA International 4.13.8 Complies with American Disability Act; Consult local authorities
UL	UL and UL Listed to Canadian safety standards for A label (3 hour fire door) and lesser class doors, stamped letter F and UL symbol on armored front indicate listing
Positive Pressure	Meets positive pressure requirements UL 10C and UBC 7-2 (1997)
California	California State Reference Code (Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face
Hurricane Codes	Consult SARGENT website for certification and listings

7800/8200 Mortise Locks Features

SARGENT
1-800-727-5477
www.sargentlock.com

SARGENT Mortise Locks (Patent Pending) 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



8237 LNJ Shown

Features

Maximum Strength & Durability

- Exceeds ANSI A156.13, Series 1000, Operational Grade 1 and Security Grade 1 with all standard trims
- Meets and exceeds ASTM F1577-95b paragraph 6.2 detention impact level 1 for deadbolt functions, level 3 for latchbolt only functions
- 12 gauge (.109) steel case and cap
- 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
- 3/4" stainless steel latchbolt. One piece construction to offer 1" total bearing surface against the strike
- Stainless steel hubs available
- One-piece hardened stainless steel deadbolt with 1" (25mm) projection
- Exceeds 8 times the ANSI/BHMA A156.13 Grade 1 standard for cycle testing!
- 10 Year mechanical warranty. No service required to maintain warranty

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
- 12 Standard architectural grade finishes, including new US15 Satin Nickel
- Multi-functional lockbody makes it easy to change functions in the field!
- 58 functions including 4 electrical functions and 4 Profile/keypad 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 for high abuse conditions
- UL Listed (10C and UBC 7-2, 1997) for use on fire doors up to 4'x10' and double door applications
- Available with push/pull trim. Perfect for hospital applications
- SARGENT uses engineered solutions and flexible manufacturing processes to accommodate special applications

Innovation

- **First in the industry** to offer a multi-functional lockbody that embodies 9 functions in 1 lockbody!
- 18 new functions, for a total of 58 to meet virtually every specification
- Easy operation. Only 30° of lever rotation required to retract latchbolt
- Lever springs contained inside of the lock case for easier installation
- Unique spring design. Provides longer lock life, no lever sag and simple installation
- SARGENT's revolutionary SARGuard™ 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

- Torx® and spanner screws
- Classroom and hospital security functions available
- Multiple security trim options available: Free-wheeling, security escutcheon and anti-vandal pull trim (patent pending)
- Security key systems available (V-10, Signature, Keso, Keso F1, & XC)

SARGENT
1-800-727-5477
www.sargentlock.com

SARGuide™ System

SARGuide,™ with integrated electroluminescent "EXIT" signage, addresses the increasing concern about safe public egress, particularly in low-visibility conditions. Research shows that in panic conditions, exit signs and locations go unnoticed. Smoke rises and can quickly block the visibility of standard exit signage. SARGuide increases visibility which provides an extended window of opportunity for safe emergency egress.

SARGuide can be wired for continuous operation or for operation only when an emergency alarm is activated. Currently required egress equipment (exit signs and emergency lights) may offer limited guidance when building occupants are unfamiliar with secondary exit locations. SARGuide dramatically improves the safety of any public building.

SARGuide™
8200 Mortise Lock
(TL- Prefix)

E-LITE TECHNOLOGIES INC.

SARGuide can be used as a stand alone feature or as an integral part of E-Lume-A-Path™ Egress Path Marketing Systems. E-Lume-A-Path enhances the ability of a person to escape a building by illuminating the path to safety through existing exits. The system will respond to a power outage or fire alarm and consists of a strip of FLATLITE® electro-luminescent lamp at the floor level that can go down hallways, around corners and stairwells, hundreds of feet in length. It can help supplement currently required Egress equipment such as Exit Signs and Emergency Lights, which may have limited effectiveness when building occupants do not know the location of secondary exits.

Features and Benefits

Mortise Features

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

SARGuide™ Features

- Illuminated utilizing the patented FLATLITE® electroluminescent lamp embedded within the mortise lock escutcheon
- Supplements building exit signs required by code
- SARGuide can be wired for continuous operation (always on), or wired into fire alarm system for operation only when alarm is activated
- Dual voltage: 24 VAC or VDC input from SARGENT (or other) power supply with battery back-up
- Simple installation
- For retrofit applications consult factory
- Other verbiage available with the lamp product upon request (special order)
- Lamp replacement kit available

SARGuide™ Benefits

- Highly visible in smoke and other low visibility conditions
- Three to five times greater visibility than any other light source
- Can be spotted easily from considerable distances
- No filaments to break or fail
- Immune to vibration or shock
- Extremely durable construction. Continues to operate even if pierced.
- Intuitive operation. Integral "EXIT" signage guides users directly to the means of egress.
- Pre-wired with ElectroLynx™ plug-in universal connectors

SARGuide™ Applications (For interior use)

- Stairwells
- Corridors
- Auditoriums
- Schools
- Universities
- Theaters
- Hospitals

Note: Requires the industry standard depth for mortise locks of 4 1/2".

8200 Mortise Locks
Coastal Series™
Decorative Levers, Roses, Escutcheons & Turns

SARGENT
1-800-727-5477
www.sargentlock.com

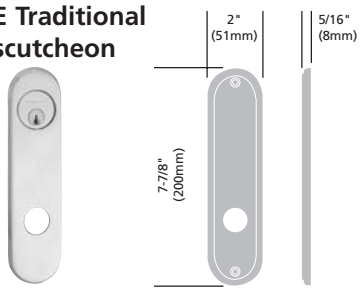
Features

- Elegant trim styles that meet your architectural design needs with the highest quality mortise lock construction
- Levers with curves and contours provide a comfortable grip
- All levers meet ADA guidelines
- Coronado lever meets California's State Fire Marshall Standard
- Coastal Series levers are available with standard 8200 rose and escutcheon designs as a special order (Consult Factory).
- All levers – solid cast brass
- Escutcheons – solid forged brass
- Roses – machined from solid brass
- Finishes available – 3, 4, 9, 10, 10B, 10BL, 15, 20D, 26, 26D

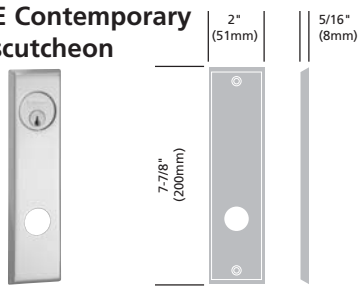
Note: 184 emergency release available in Traditional and Contemporary designs.

Roses, Escutcheons & Turns

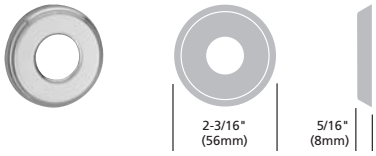
TE Traditional Escutcheon



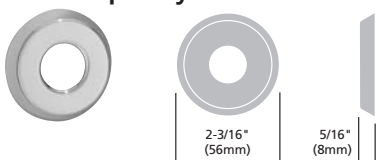
CE Contemporary Escutcheon



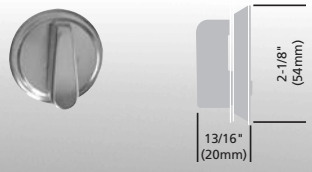
TR Traditional Rose



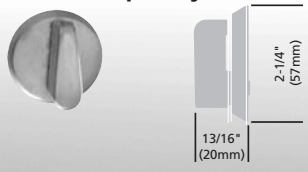
CR Contemporary Rose



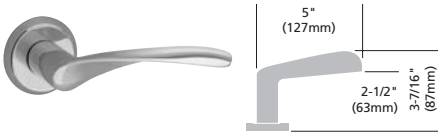
130T Traditional Turn



130C Contemporary Turn

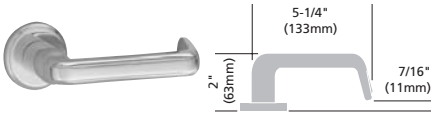


S - Sanibel™



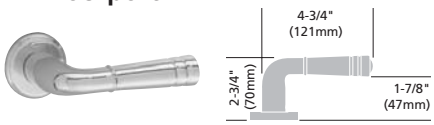
- Shown with contemporary rose CR
- Must specify hand when ordering

C - Coronado™



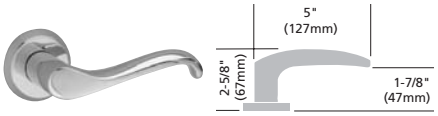
- Shown with traditional rose TR

R - Rockport™



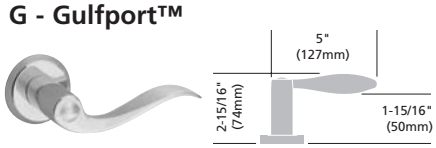
- Shown with traditional rose TR

Y - Yarmouth™



- Shown with contemporary rose CR
- Must specify hand when ordering

G - Gulfport™



- Shown with contemporary rose CR
- Must specify hand when ordering

How To Order

Rose x Lever (TR X C)

Example: 8237TRC 26D RH

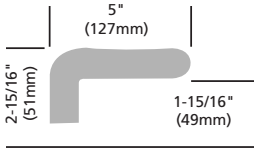
8200 Mortise Locks
Levers with Rose Designs

SARGENT
1-800-727-5477
www.sargentlock.com

- Lever designs C, J, L and P have lever returns within 1/2" (13mm) or less of door face and meet ADA Compliance for national codes
- Lever designs are available with all standard rose and escutcheon designs (Does not include Coastal Series)

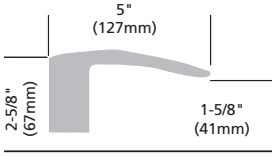
A Lever Design

- Lever: A-Solid forged or cast
- Must specify hand when ordering



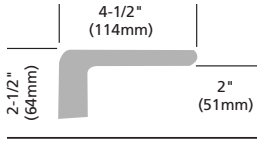
B Lever Design

- Lever: B-Solid forged or cast



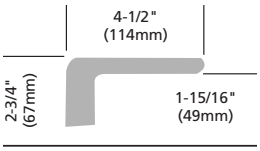
E Lever Design

- Lever: E-Solid forged or cast



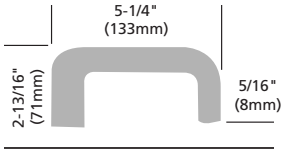
F Lever Design

- Lever: F-Solid forged or cast



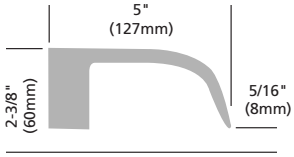
J Lever Design

- Lever: J-Solid bar stock



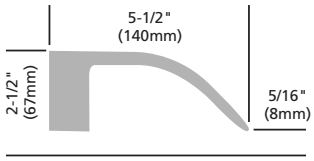
L Lever Design

- Lever: L-Solid forged or cast



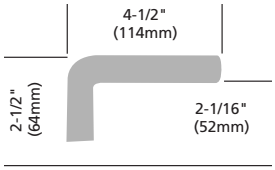
P Lever Design

- Lever: P-Solid forged or cast



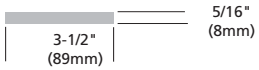
W Lever Design

- Lever: W-Solid bar stock



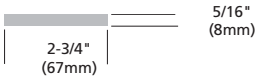
L Rose Design

- Rose: L-Heavy wrought



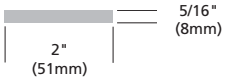
O Rose Design

- Rose: O-Heavy wrought



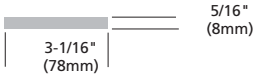
LN Rose Design

- Rose: LN-Heavy wrought



E Rose Design

- Rose: E-Heavy wrought

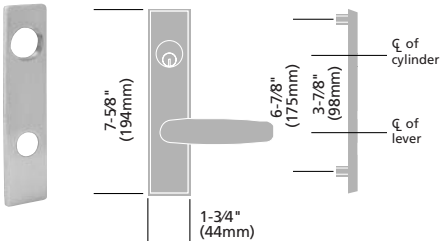


NOTE: All lever height (+/- 1/16") measurements represent total distance from door face.

- Cylinders will protrude from each escutcheon face on double cylinder functions only

LE1/LE2 Escutcheon Design

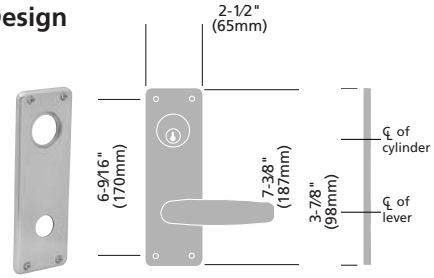
- Escutcheon: LE-Cast
- LE1- (2) Exposed screws inside
- LE2- (2) Concealed screws inside



(Shown with L Lever)

WT Escutcheon Design

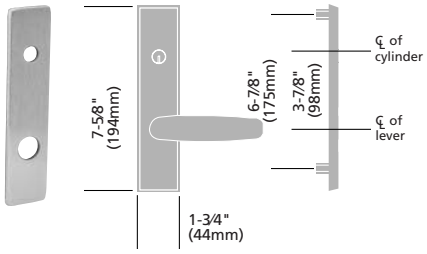
- Escutcheon: WT-Heavy wrought
- Surface mounted both inside and outside
- (4) Exposed screws both inside and outside



(Shown with L Lever)

LE3/LE4 Escutcheon Design

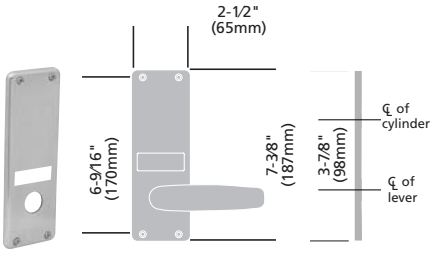
- Concealed Cylinder designed Escutcheon, Exposed Barrel Only
- Escutcheon: LE-Cast
- LE3- (2) Exposed screws inside
- LE4- (2) Concealed screws inside
- Not available on double cylinder functions
- Not available in 50 function or with 60- or 70- Prefixes



(Shown with L Lever)

TL-WT Escutcheon Design (TL- Prefix designates SARGuide)

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



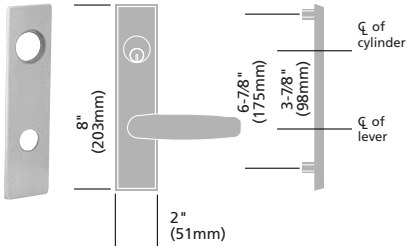
(Shown with L Lever)

SARGuide™

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

LW1 Escutcheon Design

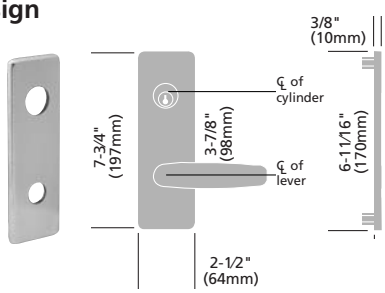
- Escutcheon: LW1-Wrought
- (2) Exposed screws inside



(Shown with L Lever)

LS Escutcheon Design

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



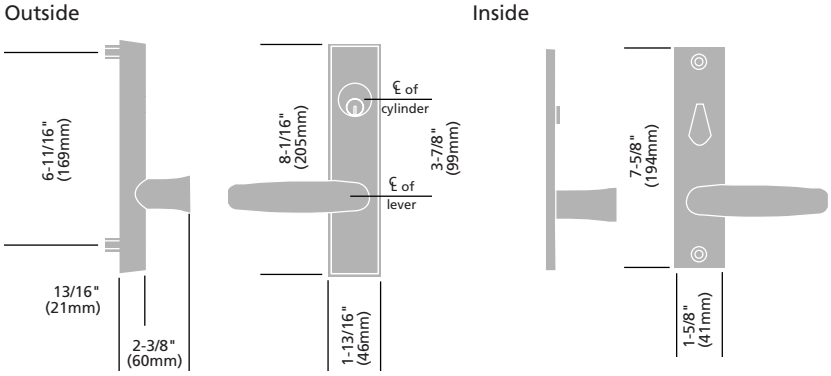
Inside LSL Design

8200 Mortise Locks
Freewheeling Trim Design – FE
ADA and Handicap Warning

SARGENT
1-800-727-5477
www.sargentlock.com

8225 FEL shown

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



Features

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

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

- For 1-3/4" (44mm) doors standard. For 2" (51mm) and 2-1/4" (57mm) thick doors, must specify door thickness on order.
- Vandal resistant trim
- Meets or exceeds ANSI A156.13 Series 1000 Operational Grade 1 and Security Grade 1. 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, 17, 24, 25, 26, 31, 35, 36, 37, 38, 39, 40, 51, 65, 66
- Levers A, B, E, F, J, L, P, W available
- Lever designs J, L and P have lever returns within 1/2" (13mm)
- Cylinder will protrude from escutcheon face on double cylinder functions only
- Cylinder sizes #46 (1-3/4") outside, #41 (1-1/8") inside standard on 1-3/4" (44mm) doors
- Specify hand. Easily field rehanded
- Patented design – U.S. Patent No. 5,992,195
- Prefixes available: 3-, 10-, 10-UL-, 11-, 21-, 23-, 36-, 37- 60- 63-, 64-, 74-, 75-, 76-, 77-, 82-, SG-, VA-, VC- and VS-
  Some prefixes not available on thicker doors. Consult factory

ADA and Handicap Warning

Lever Return to Door

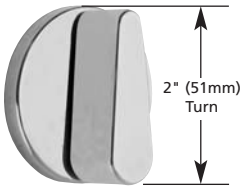
- Lever designs J, L and P
- Lever returns within 1/2" (13mm) of door face or less
- Meets ADA Compliance for national codes

Standard Thumb Turn

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

See page 19 for design

LB – Thumb Turn



- Meets the tougher local ADA requirements
- 40% larger than standard thumb turn
- Order as: 130LB x finish

Tactile Handicapped Warning

- Milled Lever
- 1/16" (2mm) wide milled grooves
- **A Lever** – 4 grooves on bottom surface of lever
- **B, E, J, L, P and W Levers** – 4 grooves on backside surface of lever
- **F Lever** – 4 grooves on top and bottom surface of lever
- B Lever shown

Tactile Handicapped Warning

- Knurled knob
- Knobs are NOT ADA compliant

Keys

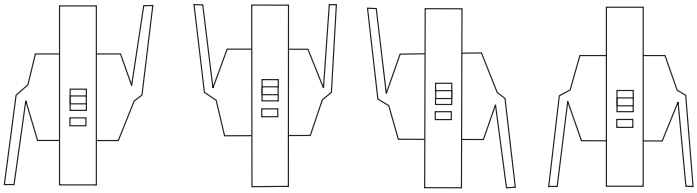
- Large key bows are available
- Standard key bows can have attachments added to increase the grip area
- Keys are NOT ADA compliant

7800/8200 Mortise Locks
7800 Push/Pull Trim – PT
7800/8200 Anti-Vandal Trim – AV

SARGENT
1-800-727-5477
www.sargentlock.com

7800 Push/Pull Trim – PT

The Push/Pull design known for its ease of operation is coupled with the strength and integrity of a mortise lock to provide greater versatility. The trim, commonly used in hospitals and health care facilities, can now service conference rooms, handicapped restrooms, laboratories and pharmaceutical facilities that require more durability and security features than a cylindrical lock can provide.



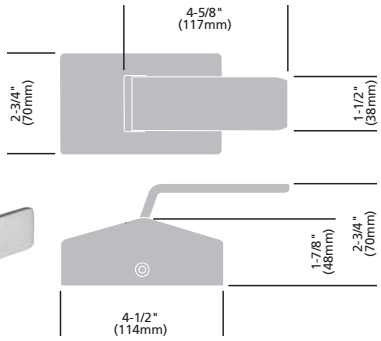
Push down
Pull up

Push up
Pull up

Push up
Pull down

Push down
Pull down

7837 PT
Horizontal Mount Shown



- Spindle centered in escutcheon

Features

- Paddle trim orientation can be mounted as a standard product in vertical (up or down) and horizontal positions
- Down or horizontal paddle orientation is required for cylinder applications
- Horizontal paddle orientation is required for functions having thumb turns
- Stile requirement – minimum of 5" (125mm)
- Door thickness 1-3/4" (44mm) to 2" (51mm) standard with adaptable spindle (For thicker doors, consult factory)
- Easy installation
- Handing is easily field reversible
- Through-bolted trim for stability
- 6 Lobe security type screws (Torx®) standard for PT trim only – Spanner Security screws optional as 37-prefix
- Engraving on paddle – consult factory
- Functions available: 04, 15, 16, 17, 24, 26, 37, 43, 45, 50, 65
  - All other functions available as specials, except trim one-side only
- Lead lining is available as option (Lockbody only)
- Covers are heavy wrought stainless steel, brass or bronze
- Paddles are cast stainless steel brass or bronze
- U.S. Patent No. 6,398,274
- Finishes: 3, 4, 9, 10, 10B, 10BL, 20D, 32, 32D

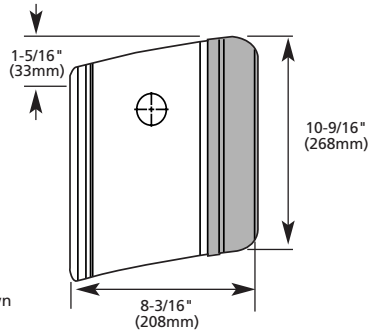
7800/8200 Anti-Vandal Trim – AV

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 lock body and door for added strength
- Handed – Specify RHRB or LHRB
- ADA Compliant
- Patent Pending
- Available for all inside trims except LS/KS, FE and PT
- Functions available: See Chart to the Right
- For inactive door, available without protective lip

667-1 Shown



667 AV Kit

Retrofit kits for 7800, 8200 & 9200 mortise locks

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

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

* No Through-Bolt Post

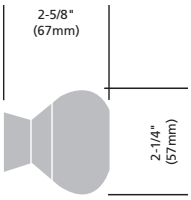
7800 Mortise Locks
Knob and Escutcheon Designs

SARGENT
1-800-727-5477
www.sargentlock.com

- All knob designs are available with standard rose designs (Does not include Coastal Series).

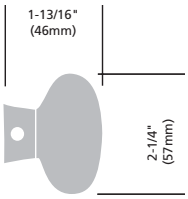
C Knob Design

- Knob: C-Wrought



K Knob Design

- Knob: K-Cast

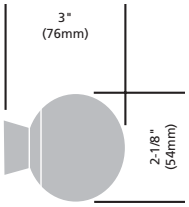


D Knob (Detention) with SL Rose

- Designed for detention and psychiatric facilities
- Only available with SL Rose

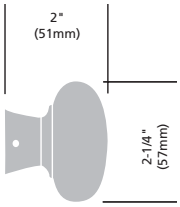
B Knob Design

- Knob: B-Wrought



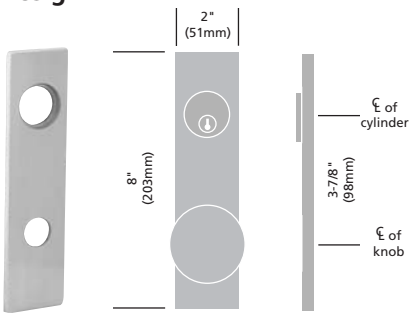
N Knob Design

- Knob: N-Wrought



KW1 Escutcheon Design

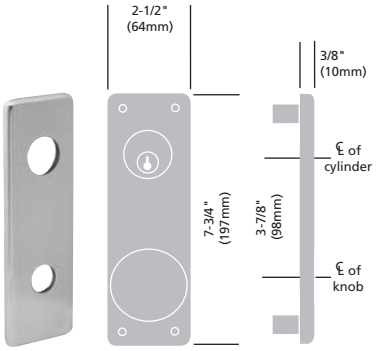
- Escutcheon: KW1-Wrought
- (2) Exposed screws inside



(Shown with B Knob)

KS Escutcheon Design

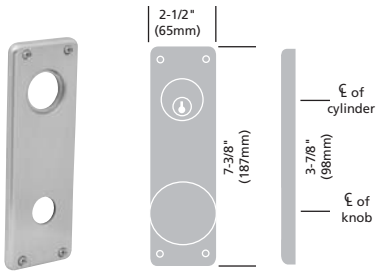
- Security Trim, Cylinder is protected by the Escutcheon
- Escutcheon: KS-Forged
- (4) Spanner screws are exposed on inside trim
- Consult factory for 70, 71, 72 and 73 function availability as a special
- All functions will have escutcheons both sides



Outside

WT Escutcheon Design

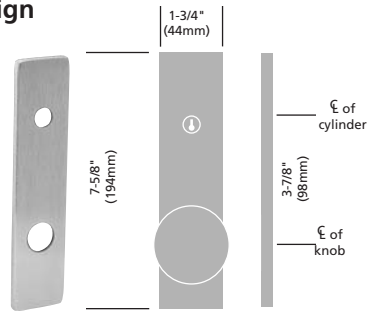
- Escutcheon: WT-Heavy wrought
- Surface mounted
- (4) Exposed screws inside and outside



(Shown with B Knob)

KE3/KE4 Escutcheon Design

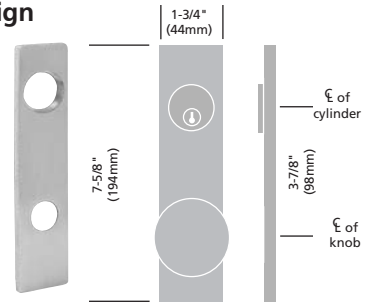
- Concealed Cylinder designed Escutcheon, Exposed Barrel Only
- Escutcheon: KE3-Cast
- KE3- (2) Exposed screws inside
- KE4- (2) Concealed screws inside
- Not available on double cylinder functions
- Not available with 50 function or with 60- or 70-Prefixes



(Shown with B Knob)

KE1/KE2 Escutcheon Design

- Escutcheon: KE1-Cast
- KE1- (2) Exposed screws inside
- KE2- (2) Concealed screws inside



(Shown with B Knob)

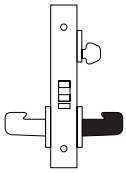
7800/8200 Mortise Locks Functions

SARGENT
1-800-727-5477
www.sargentlock.com

Single Cylinder without Deadbolt

*‡04 Storeroom or Closet

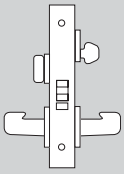
8204, 7804



- Key outside or lever/knob inside retracts latchbolt
- Lever/Knob outside rigid at all times
- Lever/Knob inside retracts latchbolt
- Auxiliary deadlatch
- A Multi-Function Lock Body
- **ANSI F07**

*05 Office or Entry

8205, 7805



- Key outside retracts latchbolt when outside lever/knob is locked
- Lever/Knob inside retracts latchbolt only, outside Lever/Knob remains locked
- Lever/Knob outside is locked/unlocked by thumb turn inside or by key outside
- Auxiliary deadlatch
- A Multi-Function Lock Body
- **ANSI F04**

The Multi-Function Advantages with Rose Trim:

(1) This lock will accommodate 04, 05 & 37 Functions without additional parts.

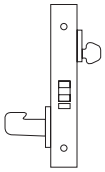
(2) By adding an additional Cylinder, this lock will accommodate 17 & 38 Functions.

(3) By adding a Trim One Side Kit, this lock will accommodate 06, 13, 31 & 36 Functions.

Note: Office/Entry Function with toggle is available– order as a 55 function.

06 Storeroom or Service

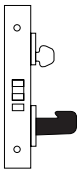
8206, 7806



- No outside lever/knob, cylinder only
- Lever/Knob inside or key outside retracts latchbolt
- Auxiliary deadlatch
- Same as 04 Function without lever/knob outside
- A Multi-Function Lock Body

✦*31 Utility

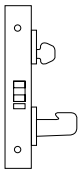
8231, 7831



- Key outside retracts latchbolt
- Lever/Knob outside is always rigid
- Inside: no lever/knob or cylinder
- A Multi-Function Lock Body
- Auxiliary deadlatch

*✦36 Closet

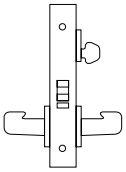
8236, 7836



- Key outside locks and unlocks outside lever/knob
- Lever/Knob outside retracts latchbolt, except when locked
- Inside: no lever/knob or cylinder
- A Multi-Function Lock Body
- Auxiliary deadlatch

*‡37 Classroom

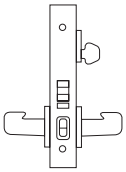
8237, 7837



- Key outside locks and unlocks lever/knob outside
- Key outside retracts latchbolt
- Lever/Knob outside retracts latchbolt, except when outside lever/knob is locked by key
- Lever/Knob inside always retracts latchbolt
- Auxiliary deadlatch
- A Multi-Function Lock Body
- **ANSI F05**

55 Office or Entry

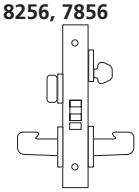
8255, 7855



- Key outside retracts latchbolt when outside lever/knob is locked
- Lever/Knob inside retracts latchbolt only, outside Lever/Knob remains locked
- Lever/Knob outside is locked by toggle only
- Auxiliary deadlatch

56 Office & Inner Entry Lock

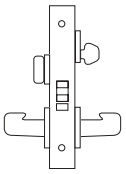
8256, 7856



- Key outside retracts latchbolt when outside lever/knob is locked
- Lever/Knob inside retracts latchbolt and unlocks outside lever/knob
- Lever/Knob outside is locked by thumb turn or key
- Auxiliary deadlatch

67 Institutional Privacy

8267, 7867



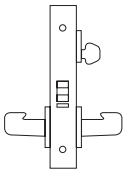
- Key outside retracts latchbolt, with override of turn inside when held in locked position
- Lever/Knob outside retracts latchbolt except when locked by thumb turn
- Lever/Knob outside unlocks when the door closes or operating lever/knob inside
- Lever/Knob inside always retracts latchbolt
- Auxiliary deadlatch
- **ANSI F26**

*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

89 Holdback

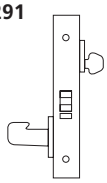
8289



- Key outside retracts latchbolt when lever/knob outside is locked
- Lever/Knob outside retracts latchbolt, unless locked by key outside
- Latchbolt can be locked into retracted position by the key, levers at 30° angle
- Lever/Knob inside is always active
- Auxiliary deadlatch

91 All Purpose Holdback

8291

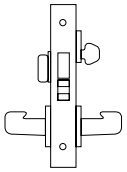


- Key outside retracts latchbolt
- Key outside can lock latchbolt in retracted position
- Lever/Knob inside retracts latchbolt
- There is no outside lever or knob
- Auxiliary deadlatch

Single Cylinder with Deadbolt

✦**‡24 Storeroom Door

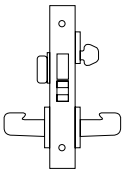
8224, 7824



- Key outside or thumb turn inside retracts and projects deadbolt
- Lever/Knob either side retracts latchbolt
- Latchbolt and deadbolt are independent of each other
- **ANSI F21**

*25 Dormitory or Exit

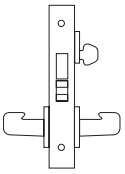
8225, 7825



- Key outside or thumb turn inside retracts and projects deadbolt
- Lever/Knob from either side retracts latchbolt, when the deadbolt is in the retracted position
- Lever/Knob outside is locked, when the deadbolt is projected
- When deadbolt is projected, lever/knob inside retracts latchbolt and deadbolt simultaneously, unlocking outside lever/knob
- **ANSI F13**

✦27 Closet or Storeroom

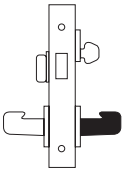
8227, 7827



- Key outside retracts and projects deadbolt
- Lever/Knob from either side retracts latchbolt
- Same as 24 function without thumb turn
- Latchbolt and deadbolt are independent of each other

28 Dummy Trim Deadlock

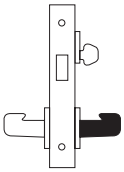
8228, 7828



- Deadbolt operation only
- Key outside retracts and projects deadbolt
- Lever/Knob inside retracts deadbolt
- Lever/Knob outside is always rigid
- Thumb turn inside retracts and projects deadbolt

30 Dummy Trim Deadlock

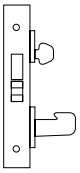
8230, 7830



- Deadbolt operation only
- Key outside retracts and projects deadbolt
- Lever/Knob inside retracts deadbolt
- Lever/Knob outside is always rigid
- Same as 28 Function without a thumb turn

✦*35 Storeroom

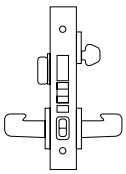
8235, 7835



- Key outside retracts and projects deadbolt
- Lever/Knob outside retracts latchbolt, except when deadbolt is projected
- Inside: no lever/knob or cylinder

‡43 Apartment Corridor Door

8243, 7843



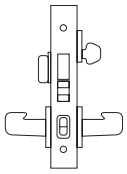
- Key outside or thumb turn inside retracts and projects deadbolt
- Key outside retracts both latchbolt and deadbolt, lever/knob outside remains locked
- Lever/Knob from either side retracts latchbolt, except when lever/knob outside is locked
- Lever/Knob outside is locked by toggle or projecting deadbolt
- Lever/Knob outside is unlocked by toggle only
- Lever/Knob inside (when deadbolt is projected) retracts latchbolt and deadbolt simultaneously, and lever/knob outside remains locked
- Auxiliary deadlatch
- **ANSI F20**

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

If shaded, knob or lever rigid at all times

‡45 Dormitory or Exit

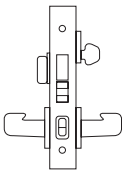
8245, 7845



- Key outside or thumb turn inside retracts and projects deadbolt
- Key outside retracts both latchbolt and deadbolt, lever/knob outside remains locked
- Lever/Knob outside is locked by toggle or projecting deadbolt
- Lever/Knob inside (when deadbolt is projected) retracts latchbolt and deadbolt simultaneously, and lever/knob outside remains locked
- **ANSI F12**

✦47 Front Door or Apartment Corridor Door

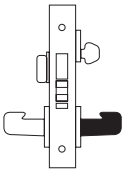
8247, 7847



- Key outside or thumb turn retracts and projects deadbolt
- Key outside operates both latchbolt and deadbolt
- Lever/Knob outside is locked by toggle or projecting deadbolt
- Lever/Knob outside is unlocked by toggle only
- Lever/Knob inside (when deadbolt is projected) retracts latchbolt only, deadbolt remains projected and outside lever/knob remains locked
- **ANSI F08/F10**

*‡ 50 Hotel Guest

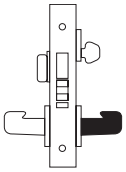
8250, 7850



- Hotel Cylinder Required (50 Function Cylinder) with two types of Keys (Standard & Emergency)
- Standard Key outside retracts latchbolt only, will not retract or project deadbolt
- Emergency Key outside will retract latchbolt and deadbolt and also project deadbolt
- Thumb turn inside retracts and projects deadbolt
- Lever/Knob inside retracts both latchbolt and deadbolt simultaneously
- Lever/Knob outside is always rigid
- Auxiliary deadlatch
- Not available with certain key systems (see Prefix chart in this catalog for restrictions)
- **ANSI F15**

*51 Storeroom Deadbolt

8251, 7851

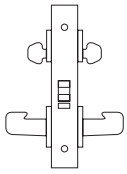


- Key outside will retract latchbolt and deadbolt and also project deadbolt
- Lever/Knob inside retracts both latchbolt and deadbolt simultaneously
- Lever/Knob outside is always rigid
- Thumb turn inside retracts and projects deadbolt
- Auxiliary deadlatch
- Same as 50 function with a standard cylinder

Double Cylinder without Deadbolt

*‡16 Apartment, Exit or Public Restroom

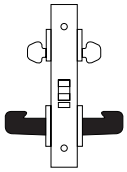
8216, 7816



- Key outside retracts latchbolt, when outside lever/knob is locked
- Key inside is required to lock and unlock lever/knob outside
- Lever/Knob inside always operable
- Auxiliary deadlatch
- Special cam required for inside cylinder
- **ANSI F09**

✦*‡17 Asylum or Institutional

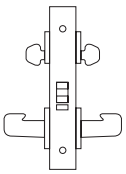
8217, 7817



- Key from either side retracts latchbolt
- Lever/Knob on both sides rigid at all times
- Auxiliary deadlatch
- **ANSI F30**

*38 Classroom Security Intruder Latchbolt

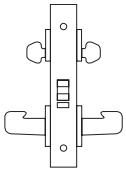
8238, 7838



- Key from either side locks and unlocks lever/knob outside
- Key from either side retracts latchbolt
- Lever/Knob outside retracts latchbolt, except when outside lever/knob is locked by key
- Lever/Knob inside always retracts latchbolt
- Auxiliary deadlatch
- **ANSI F32**

✦59 School Security

8259, 7859



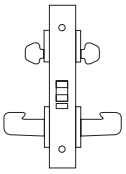
- Key from either side locks and unlocks inside & outside levers/knobs
- Key from either side retracts latchbolt
- Key from either side can retract latchbolt without unlocking levers/knobs
- Auxiliary deadlatch

*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

90 Classroom Security Holdback

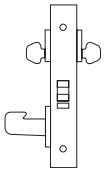
8290



- Key either side retracts latchbolt when lever/knob outside is locked
- Lever/Knob outside retracts latchbolt, unless locked by key from either side
- Latchbolt can be locked into retracted position by the key from either side
- Lever/Knob inside is always active
- Auxiliary deadlatch

92 All Purpose Holdback

8292, 7892

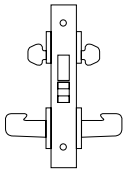


- Key outside retracts latchbolt
- Key inside can lock latchbolt in retracted position
- Lever/Knob inside retracts latchbolt
- There is no outside lever or knob
- Auxiliary deadlatch
- 7892 "T" turn is used in place of knob
- Special cam required for inside cylinder

Double Cylinder with Deadbolt

✦*‡26 Store Door

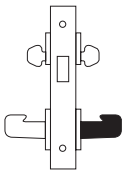
8226, 7826



- Key from either side retracts and projects deadbolt
- Lever/Knob from either side retracts latchbolt
- Latchbolt and deadbolt are independent of each other
- **ANSI F14**

29 Dummy Trim Deadlock

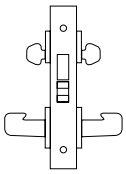
8229, 7829



- Deadbolt operation only
- Key on either side retracts and projects deadbolt
- Lever/Knob inside retracts deadbolt
- Lever/Knob outside is always rigid

*39 Classroom Security Intruder Deadbolt

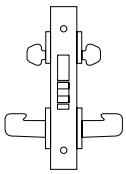
8239, 7839



- Key either side retracts or projects deadbolt to unlock or lock lever/knob outside
- Lever/Knob outside retracts latchbolt, except when outside lever/knob is locked by key
- Lever/Knob inside retracts both latchbolt and deadbolt simultaneously, and unlocks lever/knob outside
- **ANSI F33**

*40 Classroom Security Intruder Deadbolt

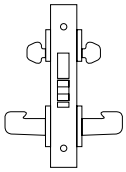
8240, 7840



- Key either side retracts or projects deadbolt to unlock or lock lever/knob outside
- Lever/Knob outside retracts latchbolt, except when outside lever/knob is locked by key
- Lever/Knob inside retracts both latchbolt and deadbolt simultaneously, and unlocks lever/knob outside
- Auxiliary deadlatch
- **ANSI F34**

41 Classroom Security

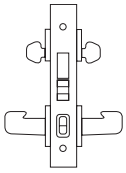
8241, 7841



- Key from either side retracts and projects deadbolt
- Key retraction of deadbolt, lever/knob outside remains locked
- Key retraction of latchbolt from either side unlocks lever/knob outside
- Lever/Knob outside retracts latchbolt, except when outside lever/knob is locked by key or projecting deadbolt
- Lever/Knob inside (when deadbolt is projected) retracts both latchbolt and deadbolt simultaneously
- Auxiliary deadlatch

46 Dormitory or Exit

8246, 7846



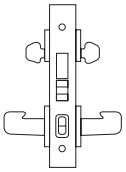
- Key from either side retracts and projects deadbolt
- Key from either side retracts both latchbolt and deadbolt, lever/knob outside remains locked
- Lever/Knob outside is locked by toggle or projecting deadbolt
- Lever/Knob outside is unlocked by toggle only
- Lever/Knob inside (when deadbolt is projected) retracts latchbolt and deadbolt simultaneously

*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

✦48 Store Door

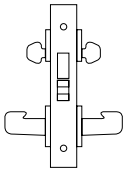
8248, 7848



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

✦49 Security Deadbolt

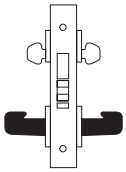
8249, 7849



- Key from either side retracts and projects deadbolt
- Key from either side retracts latchbolt
- Levers/knobs inside & outside are rigid only when deadbolt is projected

✦52 Institutional Deadbolt

8252, 7852

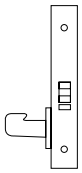


- Key from either side retract latchbolt
- Key from either side retracts and projects deadbolt
- Lever/Knob on both sides are always rigid
- Auxiliary deadlatch

Non-Keyed

13 Exit Latch

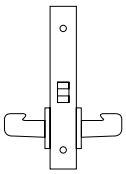
8213, 7813



- No outside lever/knob or cylinder
- Lever/Knob inside retracts latchbolt
- Auxiliary deadlatch
- A Multi-Function Lock Body
- **ANSI F31**

‡15 Passage or Closet

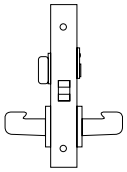
8215, 7815



- Lever/Knob from either side retracts latchbolt at all times
- **ANSI F01**

*‡ 65 Privacy Bedroom or Bath

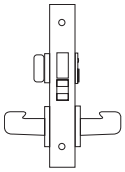
8265, 7865



- Lever/Knob outside retracts latchbolt except when locked by thumb turn inside
- Lever/Knob inside retracts latchbolt and unlocks outside lever/knob
- Emergency Release unlocks lever/knob outside
- Thumb turn locks and unlocks lever/knob outside
- Closing the door will unlock lever/knob outside
- **ANSI F22**

*66 Privacy Bedroom or Bath

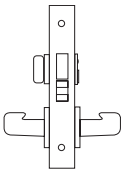
8266, 7866



- Lever/Knob outside retracts latchbolt except when deadbolt is projected
- Lever/Knob inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside lever/knob
- Emergency Release retracts and projects deadbolt
- Thumb turn retracts and projects deadbolt
- **ANSI F19**

✦68 Privacy Bedroom or Bath

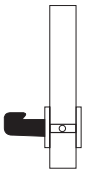
8268, 7868



- Lever/Knob from either side retracts latchbolt at all times
- Thumb turn inside retracts and projects deadbolt
- Emergency release outside retracts and projects deadbolt
- Latchbolt and deadbolt are independent of each other
- **ANSI F02**

93 Trim Dummy

8293, 7893



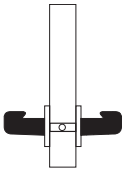
- Lever/Knob on inside of door is always rigid
- Lever/Knob only used as door pull

*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

94 Trim Dummy

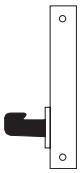
8294, 7894



- Lever/Knob on both sides are always rigid
- Lever/Knob only used as door pull

95 Single Trim Dummy

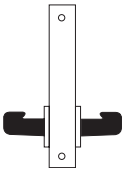
8295, 7895



- Lever/Knob on one side only is always rigid
- Includes lock case and armor front

96 Double Trim Dummy

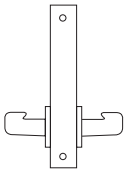
8296, 7896



- Lever/Knob on both sides are always rigid
- Includes lock case and armor front

97 Active Trim Dummy

8297, 7897

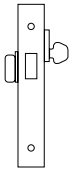


- Lever/Knob on both sides are active
- Includes lock case and armor front

Deadbolt Only

✦03 Classroom Deadlock

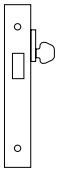
8203



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

✦20 Deadlock

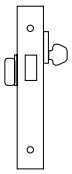
8220



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

✦21 Deadlock

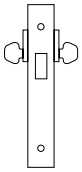
8221



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

✦22 Deadlock

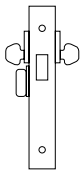
8222



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

✦23 Classroom Deadlock

8223



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

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

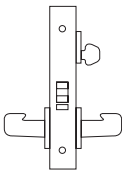
If shaded, knob or lever rigid at all times

SARGENT
1-800-727-5477
www.sargentlock.com

Electromechanical Functions

70 Electrical Fail Safe
71 Electrical Fail Secure

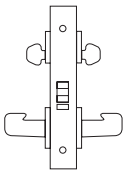
8270
8271



- Solenoid activated mortise lock
- Power to the solenoid, locks lever outside 70 function lock
- Key outside retracts latchbolt, when the lever outside is locked
- Lever outside retracts latchbolt except when lever outside is lock
- Lever outside can only be locked with the solenoid
- Lever inside always retracts latchbolt
- Auxiliary deadlatch
- 71 function same as 70 function, except fail secure

✦72 Electrical Fail Safe
73 Electrical Fail Secure

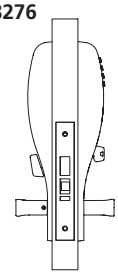
8272
8273



- Solenoid activated mortise lock
- Power to the solenoid, locks lever both sides 72 function lock
- Key on either side retracts latchbolt, when the lever are locked
- Lever from either side retracts latchbolt, except when lever are locked
- Lever on both sides can only be locked with the solenoid
- Lever can not be locked separately, only together
- Auxiliary deadlatch
- 73 function same as function 72, except fail secure

76 Profile Series/Keypad Lock with Deadbolt and Cylinder

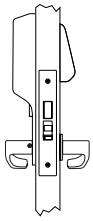
8276



- Key outside retracts and projects deadbolt and retracts latchbolt
- Lever inside retracts latchbolt and deadbolt simultaneously when deadbolt is projected
- Lever outside active in "passage" mode or with valid user code
- Lever outside (with deadbolt projected) active with Emergency Code or Master Code
- Thumb turn retracts and projects deadbolt
- Auxiliary deadlatch
- Used with Keypad and Low Profile Series Access Control Products
- For more information see the Profile Series Catalog and Keypad Catalog
- PK8276 Shown

77 Profile Series/Keypad Lock with Deadbolt

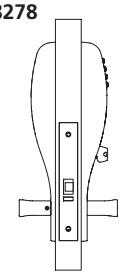
8277



- Lever inside retracts latchbolt and deadbolt simultaneously when deadbolt is projected
- Lever outside active in "passage" mode or with valid user code
- Lever outside (with deadbolt projected) active with Emergency Code or Master Code
- Thumb turn retracts and projects deadbolt
- Auxiliary deadlatch
- Used with Keypad and Low Profile Series Access Control Products
- For more information see the Profile Series Catalog and Keypad Catalog
- KP8277 Shown

78 Profile Series/Keypad Lock with Cylinder

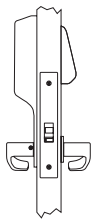
8278



- Key outside retracts latchbolt
- Lever inside retracts latchbolt
- Lever outside active in "passage" mode or with valid user code
- Auxiliary deadlatch
- Used with Keypad and Low Profile Series Access Control Products
- For more information see the Profile Series Catalog and Keypad Catalog
- LU8278 Shown

79 Profile Series/Keypad Lock

8279



- Lever inside retracts latchbolt
- Lever outside active in "passage" mode or with valid user code
- Auxiliary deadlatch
- Used with Keypad and Low Profile Series Access Control Products
- For more information see the Profile Series Catalog and Keypad Catalog
- KP8279 Shown

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

7800/8200 Mortise Locks Strikes and Fronts

SARGENT
1-800-727-5477
www.sargentlock.com

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

Curved Lip Strike

Door Thickness	Part No.	Lip Length
Double Door	82-0229	7/8" (23mm)
1-3/8" (35mm) - 1-1/2" (38mm)	82-0109	1-1/8" (29mm)
1-5/8" (41mm) - 1-3/4" (44mm)	82-0110 (Std)	1-1/4" (32mm)
1-7/8" (48mm) - 2" (51mm)	82-0111	1-3/8" (35mm)
2-1/8" (54mm) - 2-1/2" (64mm)	82-0112	1-5/8" (41mm)
2-5/8" (67mm) - 3" (76mm)	82-0113	1-7/8" (48mm)
3-1/8" (79mm) - 3-1/2" (89mm)	82-0114	2-1/8" (54mm)
3-3/8" (86mm) - 4" (101mm)	82-0115	2-3/8" (61mm)
4-1/8" (105mm) - 4-1/2" (114mm)	82-0116	2-5/8" (67mm)
4-5/8" (117mm) - 5" (127mm)	82-0117	2-7/8" (73mm)

877 Open Back Strike

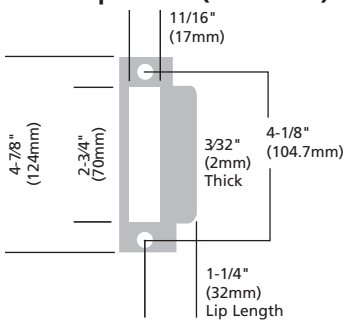
- **Strike handed by active leaf**

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

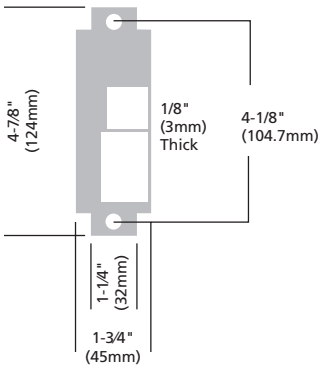
Outside Front Plate

Standard 1-1/4" (32mm)	1-1/16" (27mm)	Functions
82-0080	82-0235	15, 65
82-0081	82-0236	04, 05, 06, 13, 16, 17, 31, 36, 37, 38, 67
82-0082	82-0237	03, 20, 21, 22, 23, 28, 29, 30
82-0083	82-0238	24, 25, 26, 27, 35, 39, 66, 68
82-0084	82-0239	40, 41, 50, 52, 57
82-0086	82-0241	45, 46, 47, 48
82-0087	82-0242	43
82-0088	82-0587	89, 90, 91, 92
82-0578	82-0588	70, 71, 72, 73
82-0578	–	78, 79
82-0579	–	76, 77
82-0627	–	95, 96, 97
82-0085	82-0240	55

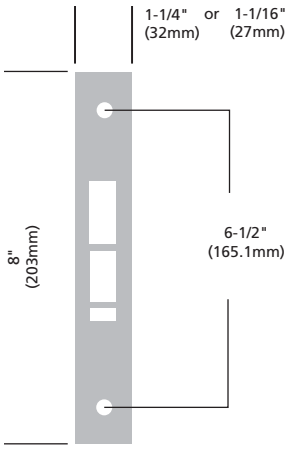
Curved Lip Strike (Standard)



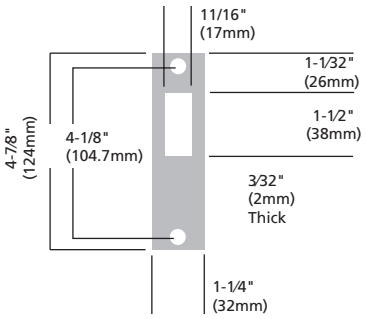
877 Open Back Strike



Outside Front Plate



78-0034 Deadbolt Strike



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

77-1141 Wrought Strike Box

- For both curved and flat lip strikes
- Optional

No. 677 Rabbeted Door Kits

677 Kit adapts 7800/8200 locks for rabbeted doors consists of rabbeted strip and strike. Std for 1-3/4" to 2" doors. Specify 2-677 for 2-1/4" thick doors. Hardware Finished.

8200 Mortise Locks
Electrical Functions and Monitoring Options

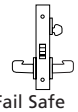
SARGENT
1-800-727-5477
www.sargentlock.com

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

- See Function Page 16 for full description of lock operation

Electrical Functions:

8270



- Fail Safe
- Power On locks outside lever

8271

- Fail Secure
- Power Off locks outside lever

8272

- Fail Safe
- Power On locks both levers

8273

- Fail Secure
- Power Off locks both levers

Applications: Security and restricted access areas in schools, computer rooms, offices, banks, equipment rooms, laboratories, pharmaceuticals and hospitals. Also used with fire and alarm controls in buildings and stair tower doors.

Electrical Requirements:

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

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

UL and CUL listed for use on Fire Doors

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

Warning:

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

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

SARGENT Power Supplies

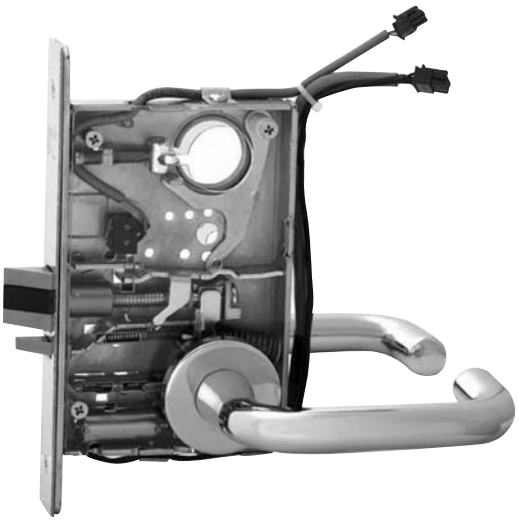
- 3510 Power Supply, for up to a maximum of 7 locks – 24VDC, 1.8 Amp regulated and filtered. UL Listed Class II
- 3530 Power Supply, for up to a maximum of 8 locks – 24VDC, 2 Amp regulated and filtered. UL Listed
- 3560 Power Supply, for up to a maximum of 28 locks – 24VDC, 7.2 Amp regulated and filtered. UL Listed

Hardwiring Made Easy™

RX, LX, and DX Monitor Switch Prefixes for 8200 Mechanical Mortise Locks

8200 Electromechanical Mortise Lever Locks are available with internal switches for independently monitoring inside/outside lever rotation (RX-), latch position (LX-) and deadbolt position (DX-).

- SPDT type C switches, rated 2A at 24VDC
- **RX- Request to Exit or Enter**
  - Two switches mounted internally in lockbody that provide independent monitoring of inside and outside lever rotation
  - Available in all functions w/non rigid levers
  - Not available for the following prefixes: 1-, 3P, 74
  - Not available for the following trims: LS or FE
- **LX- Latchbolt Monitor**
  - Single switch mounted internally in lockbody that indicates latch retraction
  - Available for all non deadbolt functions
  - Not available with DX
- **DX- Deadbolt Monitor**
  - Single switch mounted internally in lockbody that indicates deadbolt retraction
  - Not available for the following prefixes: 3P-, 74 or LX
  - Available in all deadbolt functions



7800/8200 Mortise Locks Turns, Emergency Release and Indicators

SARGENT
1-800-727-5477
www.sargentlock.com

130KB - Use with 8200 Rose Trim

- 1-1/2" (38mm) round brass, bronze or stainless steel plate

130W - Use with 7800 Rose Trim

- 1-1/2" (38mm) round brass, bronze or stainless steel plate

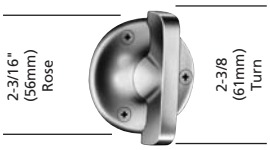
130KA - Use with E Rose

- 1-1/2" (38mm) square brass, bronze or stainless steel plate

130LB - Use with 8200 Rose Trim

- 40% larger than standard thumb turn
- 2" (51mm) round brass, bronze, or stainless steel plate & turn
- Furnished with flat spindle

126 T-Turn (7892 function only)



- Brass or bronze
- Finishes: 3, 4, 9, 10, 10B, 10BL, 20D, 26, 26D
- Surface mounted with three screws
- Order as "SSTT" trim with 7892 function

Emergency Key 14-0057

- Carbon steel
- For bathroom/privacy function only
- Must be ordered separately

184W Emergency Release

- 1-1/2" (38mm) round brass, bronze or stainless steel plate

184KB Emergency Release

- 1-1/2" (38mm) round brass, bronze or stainless steel plate

184KA Emergency Release

- 1-1/2" (38mm) square brass, bronze or stainless steel plate

Lock Status and Secured Rose Indicators for 7800 and 8200 Mortise Locks

49- Prefix Visual Status Indicator for Non Secure Applications

Inside Only

185C

- Designed to work with Classroom Security functions
- Red/White indicator plate standard, field replaceable OCC/VAC plate included
- Mounts on inside of door
- 7800 & 8200 Functions and roses available:
  — 30, 36 & 37 Function: CR, L, LN, TR, E and O
  — 26, 29, 38, 39, 40 and 41 Functions: LN
- As retrofit, order 185C x finish

Note: For 49- and 50- Prefixes, key will not retract latch when used with 37 and 38 functions.

49- Prefix Occupancy Indicator with Emergency Release

185P

- Ideal for restrooms or conference rooms where easy determination of use needs to be made
- OCC/VAC indicator plate standard, field replaceable Red/White plate included
- Mounts on outside of door
- Emergency coin operated release standard
- As retrofit, order 185P x finish
- 7800 & 8200 Functions and roses available:
  -65, 66, 68 Function: CR, E, L, LN, O, TR

50- Prefix Secured Indicator Rose

- Non-handed with lever and mounting posts field reversible
- VAC/OCC indicator plate standard, field replaceable Red/White plate included
- Mounts on outside of door
- Available for the following functions: 24, 25, 26, 28, 29, 30, 36, 37, 38, 39, 40, 41, 43, 45, 46, 47, 48, 50, 51, 52, 67
- Patent pending design
- For retrofit, order 185S x suffix x finish:

Suffix	Door Thickness
-1	1-3/8" (35mm)
-2	1-3/4" (44mm)
-3	2" (51mm)
-4	2-1/4" (57mm)

7800/8200 Mortise Locks Cylinders

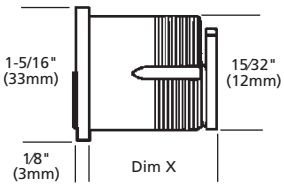
SARGENT
1-800-727-5477
www.sargentlock.com

Cylinder Lengths (Dim X)

Cylinder No.	41	42	43	44	46	48	50	52	54	56
Dim X Length Under Cylinder Head	1-1/8" (29mm)	1-1/4" (32mm)	1-3/8" (35mm)	1-1/2" (38mm)	1-3/4" (44mm)	2" (51mm)	2-1/4" (57mm)	2-1/2" (64mm)	2-3/4" (70mm)	3" (76mm)

40 Series Type Cylinder

- Cylinder body: Solid brass
- Cap: Brass, bronze or stainless steel
- All functions take a Standard Cam Except 16, 50 & 92 (see page 22 for more details)



7850/8250 Function Hotel Cylinder

- When door is locked by deadbolt, only emergency key is able to unlock
- Must request emergency key separately (14-0036 x keying info)
- See cam design on page 22

78- Prefix Exposed Barrel

- Standard for use only with SARGENT Escutcheon Trims KE3, KE4, LE3, LE4
- 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- Prefix Signature Series

- The system offers the building owner full control over duplication of keys. Highly pick resistant cylinders
- 10-63 Prefix- Signature cylinder in removable core
- 10- UL Prefix- Signature cylinder that meets UL437 requirements for security

VA- Prefix SARGENT V-10

- Patented high security cylinder protects against unauthorized key duplication
- Master keying capabilities up to 160,000 changes
- UL Listed
- VC Prefix- V-10 removable core
- VS Prefix- V-10 standard unassembled
- VSVC Prefix- V-10 removable core unassembled

F1-82- and 82- Prefix KESO

- The system offers the building owner full control over duplication of keys
- Highly pick resistant cylinders
- Expanded levels of masterkeying
- F1-83- & 83- Prefix- Keso removable core
- 84- Prefix- Keso construction core cylinder

11- Prefix XC Key System

- Patented system works with existing SARGENT keyway adding increased security
- 11- XC Std Cylinder
- 11-73- Small Format Interchangeable core

For complete cylinder information, see Cylinders & Components, Signature, Keso, Keso F1, XC or V-10 catalogs.

51- Prefix Old Style Removable Core

- Available for **existing systems only** Permanent Removable Cores
- Control key used to remove core, must request control key separately

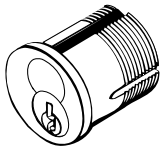
60- or 70- Prefix Plastic Construction Core

- For doors that do not require key locking during the construction period
- Operate with coin or flat screw driver
- For use with removable (60- Prefix) or interchangeable (70- Prefix) core

63- Prefix Removable Core

- Allows immediate removal of the core. Virtually unlimited key changes
- For disposable core, see 60- prefix
- 64- Prefix- removable construction core
- Control key used to remove core, must request control key separately

7300B Interchangeable Core



- Small Format Interchangeable Core
- SARGENT Interchangeable Core cylinders and MasterKey Systems are available for increased security through quick change of keying. It is unnecessary to remove a cylinder
- SARGENT 7300B Interchangeable Cores are available in SARGENT 4A and 4B keyways, as well as the following standard competitor keyways: A, B, C, D, E, F, G, H, J, K, L, M
- For disposable core, see 70- prefix
- 65-73 Prefix- 6 Pin Small Format Interchangeable Cores-uncombinated
- 65-73-7P Prefix- 7 Pin Small Format Interchangeable Cores-uncombinated
- 70- Prefix- Small Format Interchangeable disposable core
- 72- Prefix- Small Format Interchangeable construction core
- 73- Prefix- 6 Pin Small Format Interchangeable core, SARGENT 4A, 4B only for new systems
- 73-7P Prefix- 7 Pin Small Format Interchangeable core, SARGENT 4A, 4B only for new systems
- Control key used to remove core, must request control key separately

21- Prefix 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 Rose Trim

- Used with mortise cylinders and No. 90 blocking rings when cylinders project from door
- Furnished standard with 8200 rose design mortise trim
- Brass, bronze or stainless steel
- 1-1/2" (38mm) diameter, includes compression spring
- Projection from door:
  1KB-1 5/16" (8mm) - Standard
  1KB-2 7/16" (11mm)
  1KB-3 9/16" (14mm)
- Finishes: 3, 4, 10, 10B, 10BL, 20D, 26, 26D, 32, 32D

No. 97 Rosette with 7800 Rose Trim

- Standard for cylinders ordered separately from hardware
- Standard for 7800 knob trim
- Brass, bronze or stainless steel
- 1-11/16" diameter (43mm), 9/32" (7mm) projection, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BL, 20D, 26, 26D, 32, 32D

No. 90 Blocking Ring

- Used with 1KB rosettes as spacer when mortise cylinder projects from face of door
- Brass, bronze or stainless steel
- 1-3/8" (35mm) diameter; 1/16" (1.6mm) to 3/8" (9mm) projection in 1/16" (1.6mm) increments. Specify size when ordering.
- Finishes: 3, 4, 10, 10B, 10BL, 20D, 26, 26D, 32, 32D

77-4230 Cylinder Retaining Cap

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

For complete cylinder information, see Cylinders & Components, Signature, Keso, Keso F1, XC or V-10 catalogs.

7800/8200 Mortise Locks
Cylinders Requirements and Cams

SARGENT
1-800-727-5477
www.sargentlock.com

Escutcheon Trim / Rose Trim

Design	KE 1/2 or LE 1/2			KW1 or LW1			KE 3/4 or LE 3/4						KS or LS						WT						695 L, LN (8200)						676 E, L, O (7800)					
							(Exposed Barrel) 78-40 Cylinder																													
Cylinder Application	Single Cylinder			Double Cylinder			Single Cylinder			Double Cylinder			Single Cylinder			Double Cylinder			Single Cylinder			Double Cylinder			Single Cylinder			Double Cylinder			Single Cylinder			Double Cylinder		
Door Thickness	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)	1-3/8 (35)	1-3/4 (44)	2-1/4 (57)
41 Size 1-1/8" (29mm) Cylinder 5 or 6 Pin	B H	C	—	B H J	B H	—	NA	C	C	NA	NA	C	NA	C	—	NA	—	—	C	C	—	J	C	—	E H	D	—	F H J	E H	—	A H	A	—	A H J	A H	—
42 Size 1-1/4" (32mm) Cylinder 5, 6, or 7 Pin	B K	B H	C	B J K	B K	C	NA	—	C	NA	NA	—	NA	C	C	NA	M	—	H	C	—	H J	H	—	F K	D G	D	F J K	F K	D	A K	A G	A	A J K	A K	A
43 Size 1-3/8" (35mm) Cylinder 5, 6, or 7 Pin	B L	B J	C	B J L	B L	B H	NA	—	C	NA	NA	—	NA	—	C	NA	—	M	K	G	C	J K	K	C	F L	E J	D	F J L	F L	E H	A L	A J	A	A J L	A L	A H

NOTE 41 size cylinders include: Conventional, Signature, Signature UL, XC
42 size cylinders include: 50 function cylinders, SARGENT removable core, KESO removable core, KESO F1 removable core, ASSA V-10 removable core, Signature removable core
43 size cylinder include: Small Format Interchangeable Core

How To Find Rosette and Blocking Ring Requirements when ordering separately

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

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

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

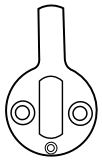
Cylinder Cams For Mortise Locks

SARGENT Conventional Cylinders

- Standard

13-0664
Standard SARGENT cam except 50 function locks and the Inside cam for 16 & 92 function locks

13-0665
16 & 92 Function Inside Cylinder Cam



13-2045
50 Function Hotel Cam, requires 50 function cylinder

SARGENT Removable Core Cylinders

- 60- Prefix

13-0542
Standard SARGENT cam except for 50 function locks and the Inside cam for 16 & 92 function locks

13-0806
16 & 92 Function Inside Cylinder Cam

13-1320
50 Function Hotel Cam, requires 50 function cylinder

For cylinders other than conventional and removable core, see Cylinder catalogs for additional information

7800/8200 Mortise Locks
Prefixes and Options

SARGENT
1-800-727-5477
www.sargentlock.com

Prefix Designation And Description

*1▲	1-1/16" (27mm) wide front for 1-3/8" (35mm) doors (93 + 94 function only available as a special) (not available in KS, LS trim)
*3	Stainless steel hubs (2) for institutional specification
*• 10▲	Signature System (6"(152mm) door thickness max.)
*• 10UL▲	Signature Systems meeting UL437 (Security Grade 1) (3-1/4" (82mm) door thickness max)
11▲	SARGENT XC Key System Note: Prefix not available with 10-, 22-, 60-, 64-, SC- or SE- prefixes
*• 21▲	SARGENT Construction Key System (lost ball) standard on all new systems (3-1/4" (82mm) door thickness max.)
*• 22▲	SARGENT Construction Key System (split key). For pre-established split key systems only (2" (51mm) door thickness max.)
*• 23	Flat Lip 4-7/8" (124mm) ANSI Strike
*31	For doors 1-7/8" (48mm) to 6" (152mm) thick –see cylinder prefix for limitations on door thickness. Must specify: A: Total thickness of door and location of the lock within the door, specify Cylinder side of door if the lock is not centered.
35	Adjustable front cylinder not available with removable core cylinders (1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm) door thickness only)
• 36 **	6 Lobe head security screws (Torx type) (not available on LE3 or LE4 escutcheon's small set screw)
*• 37 **	Spanner head security screw (not available on LE3 or LE4 escutcheon's small set screw)
49	Visual & Occupancy Indicators
50	Secured Indicator rose for doors 1-5/8" (41mm) to 2-1/4" (57mm) thick
51 ▲	Old style removable core cylinders (existing systems only) (3-1/4" (82mm) door thickness max.)
• 52 ▲	Old style construction cores cylinders (existing systems only) (3-1/4" (82mm) door thickness max.)
*• 60	Disposable construction core (3-1/4" (82mm) door thickness max.)
*• 63	SARGENT removable core cylinder (3-1/4" (82mm) door thickness max.) Request control key separately
*• 64	SARGENT removable construction core cylinder (3-1/4" (82mm) door thickness max.) Request control key separately
65-73▲	Small format Interchangeable Cores – 6 pin uncombinated (2-1/2" (63mm) door thickness max.)
• 65-73P▲	Small format Interchangeable Cores – 7 pin uncombinated (2-1/2" (63mm) door thickness max.)
68	Lever outside x knob inside, excludes detention knobs; consult factory for details
69	Lever inside x knob outside, excludes detention knobs; consult factory for details
• 70▲	Small format Interchangeable Core (6 or 7 Pin), plastic disposable core provided (2-1/2" (63mm) door thickness max.)
• 72▲	Small format Interchangeable Core with construction core provided (2-1/2" (63mm) door thickness max.) Request control key separately
• 73▲	Small format 6 Pin Interchangeable Core SARGENT 4A, 4B keyway only. (2-1/2" (63mm) door thickness max.) Request control key separately
• 73-7P▲	Small format 7 Pin Interchangeable Core SARGENT 4A, 4B keyway only. (2-1/2" (63mm) door thickness max.) Request control key separately
*• 74	Lead lined case, and/or rose. Rose specify inside, outside or both. Not available for escutcheons
75	Inside and outside trim. Milled levers or knurled knobs (7800 "B" and "C" knobs only)
76	Outside trim only. Milled levers or knurled knobs (7800 "B" and "C" knobs only)
* 77	Inside trim only. Milled levers or knurled knobs (7800 "B" and "C" knobs only)
*• 82	Keso security cylinder (For existing systems only) (3-1/4" (82mm) door thickness max.)
*•F1-82▲	SARGENT Keso Security Cylinder with Front Profile patent pending (3-1/4" (82mm) door thickness max.)
• 83▲	Keso security system removable core cylinders (3-1/4" (82mm) door thickness max.)
• F1-83▲	SARGENT Keso Security Removable Core Cylinder with Front Profile patent pending (3-1/4" (82mm) door thickness max.)
84▲	Keso security removable construction core cylinder (3-1/4" (82mm) door thickness max.)
• AV	Anti-vandal Pull trim
DX	Deadbolt Monitoring (Not available with 3P, 75, LX, or any non-deadbolt function)
LB	Larger size ADA thumb turn
• LX	Latch monitor switch, available for all non-deadbolt functions
RX	Request to exit. Monitors the activation of the inside and outside lever independently
SC▲	Lock furnished in Schlage "C" Keyway Number 41 cylinder only, 0 bitted (2" (51mm) door thickness max.)
SE▲	Lock furnished in Schlage "E" Keyway (Specify), Number 41 cylinder only, 0 bitted (2" (51mm) door thickness max.)
SG	SARGuard - An antimicrobial clear powder coat
TL	SARGuide Illuminated inside WT trim with the word EXIT illuminated. (4-1/2" pocket depth required) see pg 3 for details
*• VA▲	SARGENT V-10 standard cylinder (3-3/4" (95mm) door thickness max.)
*• VC▲	SARGENT V-10 Removable core (2-1/4" (57mm) door thickness max.)
• VS▲	SARGENT V-10 cylinder unassembled (3-3/4" (95mm) door thickness max.)
VCVS▲	SARGENT V-10 Removable core cylinder unassembled (2-1/4" (57mm) door thickness max.)

* Prefixes available with Freewheeling Trim (Consult factory if thicker than 1-3/4 (44mm) thick door)
** See screw chart on back page
• Prefixes available with Push/Pull trim
▲ Cylinder prefixes not available with standard 50 function lockout cylinder

NOTES: Interchangeable core and removable core cylinders do not meet Security Grade 1 requirements.
Split finishes available (Order: outside finish/inside finish)
If inside and outside trim designs differ, please specify (Order: outside trim/inside trim)

7800/8200 Mortise Locks How To Order, Finishes, Packaging & Security Screw Chart

SARGENT
1-800-727-5477
www.sargentlock.com

How to Order

Specify	Note	Example
Quantity	Numbered Ordered	**1 Qty**
Prefix	Additional Feature	1 Qty **10-SG-**
Lock Function	See Functions	1 Qty **10-SG-8271**
Voltage 12V or 24V	70,71,72 & 73 require voltage callout	1 Qty **10-SG-8271-24V**
Trim Design	Rose x Lever	1 Qty **10-SG-8271-24V LNL**
Finish & Hand of Door	See Finishes	1 Qty **10-SG-8271-24V LNL 26D LHRB**
Additional Information	Item/Heading Number, Door Number, Keyset Information	1 Qty **10-SG-8271-24V LNL 26D LHRB x Item 01 x DRL201 x Keyset AA3**

Finishes

US Finish	Description	ANSI/BHMA
*• 3	Polished brass, clear coated	605
*• 4	Satin brass, clear coated	606
*• 9	Polished bronze, clear coated	611
*• 10	Satin bronze, clear coated	612
*• 10B	Oxidized bronze, oil rubbed	613
* 10BL	Oxidized satin, bronze, clear coated	—
* 15	Satin nickel, clear coated	619
* 20D	Statuary dark bronze, clear coated	—
* 26	Polished chrome	625
* 26D	Satin chrome	626
• 32	Polished stainless steel	629
• 32D	Satin stainless steel	630

* Finishes available with 8200 Coastal Series™ Trim and 8200 Freewheeling Trim

• Finishes available with 7800 Push/Pull Trim

6 Lobe & Spanner Bit packs

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

36- or 37- Prefix Security Screw Chart

	Functions																																					
Trim Designs	**3**	**4**	**5**	**6**	**13**	**15**	**16**	**17**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**31**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**43**	**45**	**50**	**65**	**66**	**70**	**71**	**72**	**73**	**85**	**86**	**87**	**91**	**92**	**93**	**94**
E, L, LN, O Roses	5	6	5	5	5	5	5	5	4	5	4	5	6	6	5	5	5	5	5	5	5	5	5	6	6	6	7	7	–	–	–	–	–	–	–	5	5	4	4
PT - Push/Pull	–	6	–	–	–	5	5	5	–	–	–	–	6	–	5	–	–	–	5	5	5	5	5	6	6	6	7	7	–	–	–	–	–	–	–	–	–	–	–
LE/KE (1&3) & LW1/KW1	6	7	7	7	7	7	7	7	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	–	–	–	7	7	6	6
LE/KE (2&4)	4	5	5	5	5	5	–	–	4	4	–	–	5	5	–	5	5	5	5	–	–	–	–	5	5	–	5	5	5	5	–	–	–	–	–	5	5	4	4
FE - Freewheeling	–	7	–	–	–	–	–	7	–	–	–	–	7	7	7	7	7	–	7	7	7	7	–	–	–	7	7	7	–	–	–	–	7	7	7	–	–	–	–
LS/KS	8	9	9	9	9	9	9	9	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	–	–	–	9	9	8	8
WT	12	13	13	13	9	13	13	13	8	12	12	13	13	13	13	13	9	9	13	13	13	13	13	13	13	13	13	13	13	13	13	13	–	–	–	13	13	12	12

Quantities are per lock x function x trim design.

Please note: Two small set screws on LE/KE (3 & 4) that hold inside escutcheon scalp onto casting and the screw on the edge of door for 93 & 94 functions are not available in security type screws, but are available and listed above.

–Trim design is not available with this function.

2.1 HEAVY DUTY MORTISE LOCKS

A. Heavy duty mortise locks shall be 7800/8200 Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Locks shall meet or exceed the requirements of ANSI/BHMA A156.13 Series 1000, Operational Grade 1, and Security Grade 1 with all standard trims.

C. Meets or exceeds impact requirements of ASTM F1577-95b Detention Locks for Swinging Doors.

1. Paragraph 6.2 Level 1 Impact for deadbolt x latchbolt and deadbolt only.
2. Paragraph 6.2 Level 3 Impact for latchbolt only.

D. Locks shall be easily re-handed without opening the lock body.

E. Locks shall comply with UL10C and UBC 7-2 positive pressure requirements.

F. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of A label (3 hours) and less, for doors up to 4'0" (1.2m) x 8'0" (2.4m) and pairs of doors 8'0" (2.4m) x 8'0" (2.4m).

G. Construction:

1. Lock functions shall be manufactured in a single-sized case formed from 12 gauge steel minimum.
2. Lock cases shall be closed on all sides and back.
3. Locks shall have field adjustable, beveled, armored front, with a .125 inch (3mm) thickness minimum.
4. Locks shall have a one piece, 3/4" inch (19mm) throw anti-friction stainless steel latch.
5. Deadbolts, where specified, shall be full one inch (25mm) throw made of one-piece hardened stainless steel.
6. Where required by the Federal Bureau of Prisons, locks can be furnished optionally with stainless steel hubs.

H. Locks shall have a 2-3/4 inch (70mm) backset, standard.

I. Strikes shall be non-handed with a curved lip.

J. To ensure proper alignment, trim, knobs or levers, shall be through-bolted and fully interchangeable between rose and escutcheon.

K. Locks shall have brass 6-pin cylinder, standard.

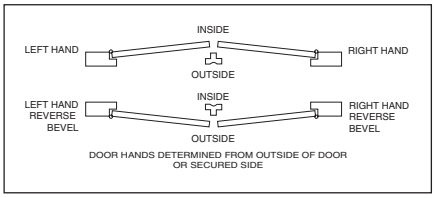
K. Locks shall have a 10 year limited warranty. 2 year limited warranty on electrified locks.

Changing Lock Hand (standard) U.S. Patent No. 5,678,870

Note: To change the hand of the lockbody is either a 1 or 2 step process depending on the hand of the lockbody and what hand it needs to be. Remember the RED surface of the locking piece (step A) always faces the locked or outside surface of the door. The bevel on the latchbolt (step B) must always face the strike.

1. Changing a lockbody from LH to RHRB or RH to LHRB or the opposite requires only step (A) to be performed.
2. Changing a lockbody from LH to LHRB or RH to RHRB or the opposite requires only step (B) to be performed.
3. Changing a lockbody from LH to RH or RH to LH or the opposite requires both step (A) & (B) to be performed.

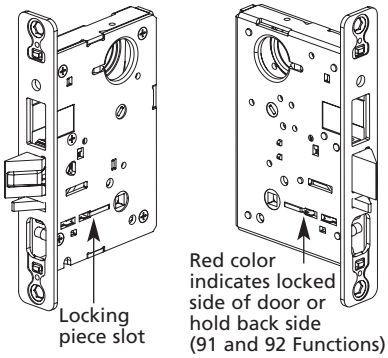
Door Handing



To change hand of <u>locking piece</u>

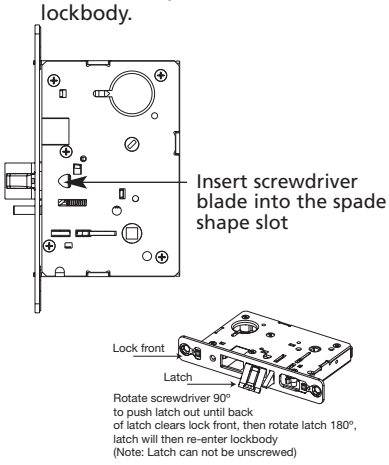
Note: The following Functions (04, 06, 16, 17 & 31) require that the Green Catch Screw is removed prior to rotating the Locking Slide.

1. Position Lock Body so the Red Surface of the Locking Slide is facing you.
2. With Blade Type Screw Driver, push on the Red surface of the locking Slide so it rotates towards the back of the lock.
3. Continue to Rotate the Locking Slide for a full 180 degrees, so that the Red Surface is visible on the opposite side of the lock.
4. RED indicates locked (outside) side.



To change hand of <u>latch and guardbolt:</u>

1. Insert the blade of a slotted screwdriver (>1/4") into the spade shape slot behind latch.
2. Rotate the screwdriver 90° to push latchbolt out until back of bolt clears lock case front.
3. Rotate latchbolt 180° until the latchbolt drops back into the lockbody.



7800/8200 Mortise Locks
Multi-functional Lockbody Options

SARGENT
1-800-727-5477
www.sargentlock.com

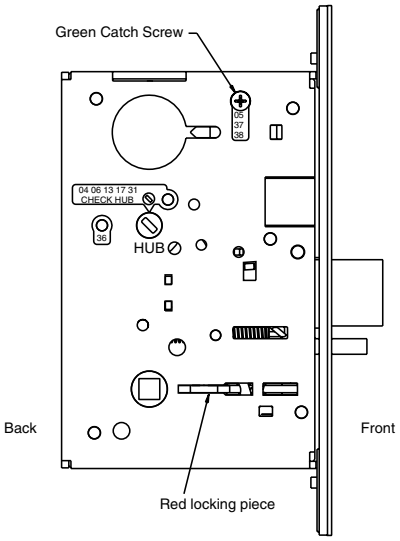
How to Change Lock Function:

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

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

Note: When relocating the green catch screw to produce the following Functions 04, 06, 13, 17 & 31, the hub must be at the 45° position as specified on the case before screwing in the green catch screw.

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



Function & Part Listing for the Multifunction Lockbody

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

***Cylinder Collars**–noted are based on 1-3/4" Thick Doors with standard #41 size cylinders. Other sized doors and cylinders will required different collar sizes and possibly blocking rings - see chart on page 22 of this catalog for details.
**** Inside trim sets include:** Inside lever/knob, inside rose or escutcheon, trim pack (spindles, thrubolt screws, set screw, inside adaptor plate assembly),trim finish screws (for escutcheons).
***** Outside trim sets include:** Outside lever/knob, outside rose or escutcheon, outside mounting plate, two thrubolt studs, washers, retaining nut, and cylinder rosettes (for cylinder functions only).
+ Trim One-Side Kit includes: adapter assembly, spindle, thrubolt screws and plate adapter assy. An inside lever is always used with this kit and is used on either side of the door as required.
++ Thumb turn- Rose trims use 130KB thumb turn for Levers, and 130W thumb turn for Knobs.
Escutcheon trims require escutcheon to be ordered according to function/design, to recieve thumb turn affixed to it.

Type of Rose/Escutcheon		Kit Part Number
Trim One Side Kit	E,O, KW, LN & LW1	82-3208
Trim One Side Kit	KE Series & LE Series	82-3209
Trim One Side Kit	L Rose & WT	82-3210

SARGENT Manufacturing Company • 100 Sargent Drive • P.O. Box 9725 • New Haven • CT 06536-0915
Phone: 800-727-5477 • Fax: 888-863-5054 • Web site: www.sargentlock.com
SARGENT of Canada • Phone: 905-940-2040 • Fax: 905-940-3242 • Web site: www.sargentcanada.ca

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

The ASSA ABLOY Group is the world's leading manufacturer and supplier of locking solutions, dedicated to satisfying end-user needs for security, safety and convenience.

An ASSA ABLOY Group company

ASSA ABLOY