

Mechanical Lock

ASSA ABLOY

The global leader in
door opening solutions



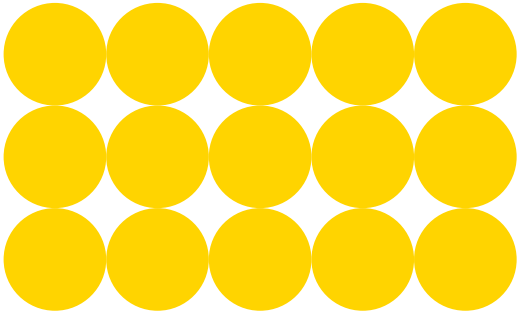
The world's favorite lock



5000 Series Mortise Locks



contents



Features and Specifications	3
Product Limiting Dimensions	4
Lock Functionality	5-6
Product Classifications	7
How to Order	7

5000 Series Mortise Locks

A range of Yale Mortise Locks consists of various functions to meet most security and locking requirements.

Features and Specifications

Standards

- Complies to EN12209:2003 Grade 3
- Fire Safety Standard EN1634-1

Strength & Durability

- Suit for 30 minutes and 60 minutes Fire Doors

Backset

- 60mm

Centers

- 72mm as standard
78mm for Privacy Lock Case

Spindle Size

- 8mm X 8mm

Door Thickness

- Standard offer Door Thickness range 35mm - 50mm.
Other Door Thickness range upon request

Handing

- Easily Reversible design without opening lock case.
Nightlatch & Panic Proof Sashlock with non-handed design.

Materials

- Zinc Plated Steel Lock Case; Stainless Steel Latchbolt, Deadbolt, Forend & Strike (Square or Radius Available)

Fixing/Pitching

- Full concealed mortise lock.



Application

Yale 5000 Series Mortise Lock is suitable for Fire Doors in Commercial / Public Buildings.

This innovative mortise lock range, features a non handed design which is easy to install and suitable for new and most retrofit applications.

Product Range

Various locking function selection easily reversible and non-handed designs makes this mortise lock versatile for most doors. A wide selection of door furniture options are available to suit Yale Mortise Lock series.

Refer to Door Furniture Section of your Yale Catalogue.

Deadbolt

20mm throw on a single turn of key or thumbturn.

Standard Finishes

Forend and Strike in Satin Stainless Steel (SS) or Polished Stainless Steel (PS)

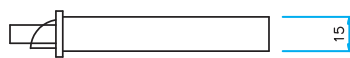
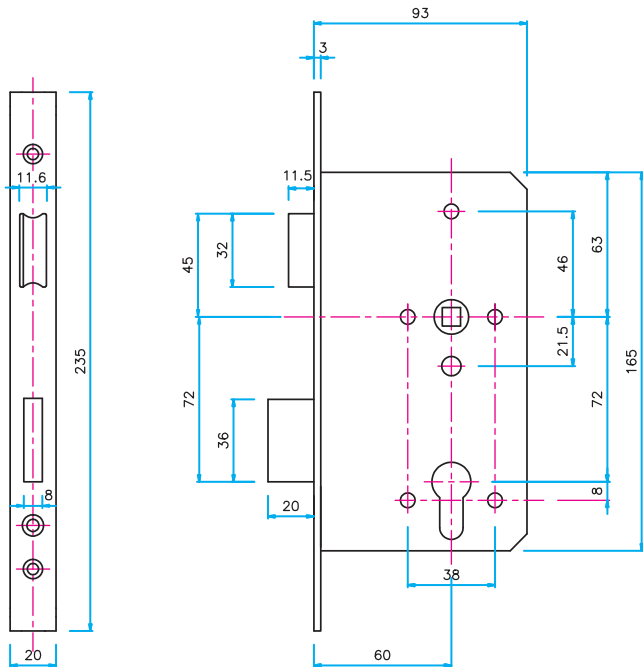
Locking Functions

- Passage Latch
- Privacy Lock Case
- Entrance (Sashlock) Lock Case
- Deadbolt Lock Case
- Nightlatch Lock Case
- Panic Proof Sashlock

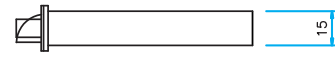
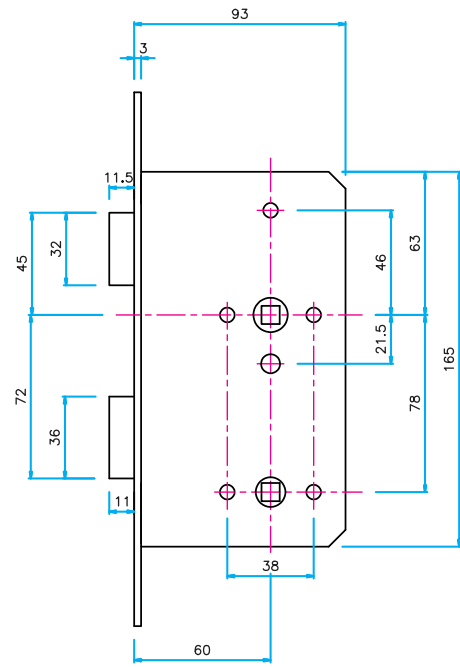
Mortise Locks

Product Limiting Dimensions

Lock Case

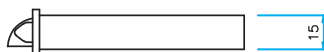
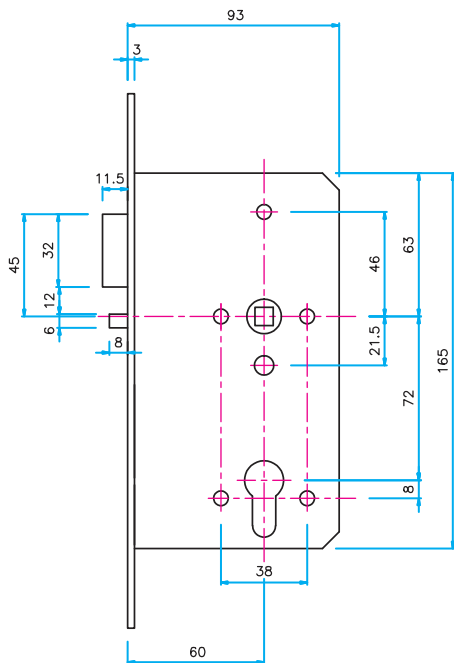


Standard



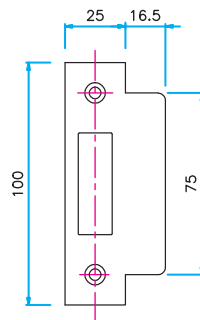
5008 Privacy

Lock Case



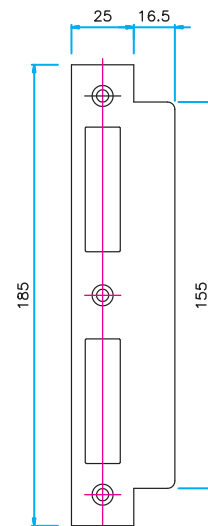
5006 Nightlatch

Strikes for different functions



5001 Passage

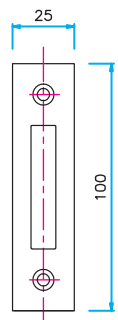
5006 Nightlatch



5008 Privacy

5003 Entrance Sashlock

500AE Panic Proof Sashlock



5004 Deadbolt

All dimensions are in mm

Lock Functionality

Passage

Lock case:

5001

Finish:

SS - Satin Stainless Steel

PS - Polished Stainless Steel

Description:

Yale Euro Mortise Lock

Backset: 60mm

Door thickness: 35mm to 50mm

Outside

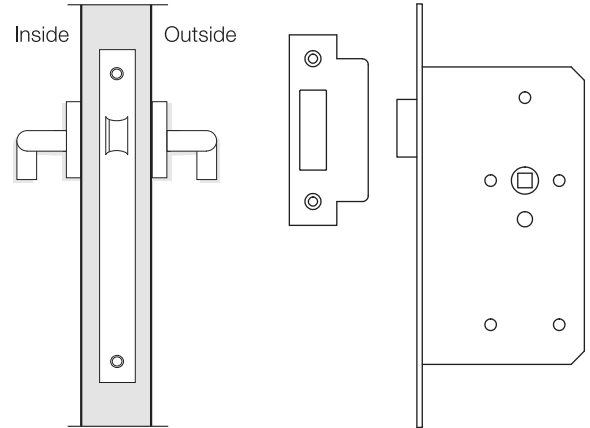
- Latchbolt operated by lever all the times

Inside

- Latchbolt operated by lever all the times

Product Classification

3X810F-B020



Lock case	Face plate		Finish	
5001	S	Standard, Square Ends	SS	Satin Stainless Steel
	R	Optional, Round Ends	PS	Polished Stainless Steel

Privacy

Lock case:

5008

Finish:

SS - Satin Stainless Steel

PS - Polished Stainless Steel

Description:

Yale Euro Mortise Lock

Backset: 60mm

C to C: 78mm

Door thickness: 35mm to 50mm

Outside

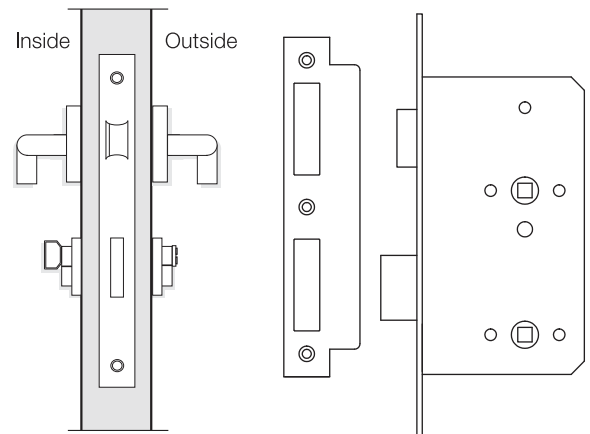
- Latchbolt operated by lever
- Deadbolt operated by emergency release with coin

Inside

- Deadbolt operated by thumbturn

Product Classification

3X810F-BG20



Lock case	Face plate		Finish	
5008	S	Standard, Square Ends	SS	Satin Stainless Steel
	R	Optional, Round Ends	PS	Polished Stainless Steel

Entrance (Sashlock)

Lock case:

5003

Finish:

SS - Satin Stainless Steel

PS - Polished Stainless Steel

Description:

Yale Euro Mortise Lock

Backset: 60mm

C to C: 72mm

Door thickness: 35mm to 50mm

Outside

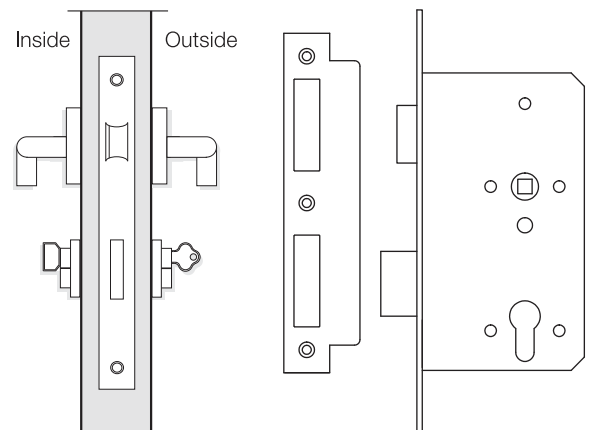
- Latchbolt operated by lever or key cylinder
- Deadbolt operated by key cylinder

Inside

- Latchbolt and deadbolt operated by thumbturn
- Latchbolt operated by lever

Product Classification

3X810F3BA20



Lock case	Face plate		Finish	
5003	S	Standard, Square Ends	SS	Satin Stainless Steel
	R	Optional, Round Ends	PS	Polished Stainless Steel

Mortise Locks

Lock Functionality

Deadbolt

Lock case:

5004

Finish:

SS - Satin Stainless Steel
PS - Polished Stainless Steel

Description:

Yale Euro Mortise Lock
Backset: 60mm
C to C: 72mm
Door thickness: 35mm to 50mm

Outside

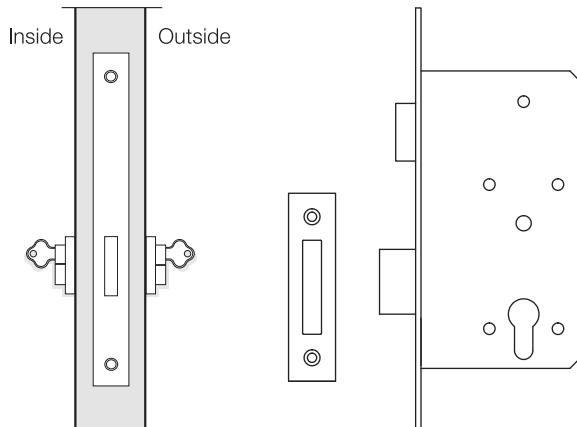
- Deadbolt operated by key cylinder

Inside

- Deadbolt operated by key cylinder or thumbturn

Product Classification

3X810F3BA00



Lock case	Face plate		Finish	
5004	S	Standard, Square Ends	SS	Satin Stainless Steel
	R	Optional, Round Ends	PS	Polished Stainless Steel

Nightlatch

Lock case:

5006

Finish:

SS - Satin Stainless Steel
PS - Polished Stainless Steel

Description:

Yale Euro Mortise Lock
Backset: 60mm
C to C: 72mm
Door thickness: 35mm to 50mm

Outside

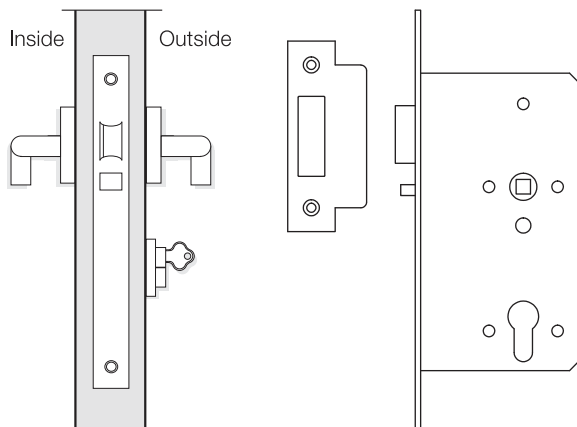
- Latchbolt operated by key cylinder
- Rigid handle outside

Inside

- Unlocking all the times
- Internal lever always free

Product Classification

3X810F1BB20



Lock case	Face plate		Finish	
5006	S	Standard, Square Ends	SS	Satin Stainless Steel
	R	Optional, Round Ends	PS	Polished Stainless Steel

Panic Proof Sashlock

Lock case:

500AE

Finish:

SS - Satin Stainless Steel
PS - Polished Stainless Steel

Description:

Yale Euro Mortise Lock
Backset: 60mm
C to C: 72mm
Door thickness: 35mm to 50mm

Outside

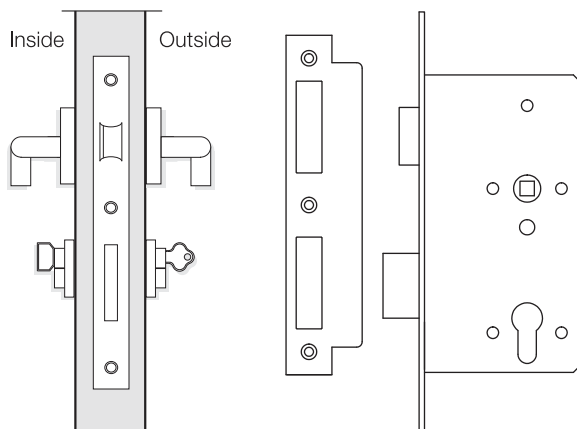
- Latchbolt operated by lever or key cylinder
- Deadbolt operated by key cylinder

Inside

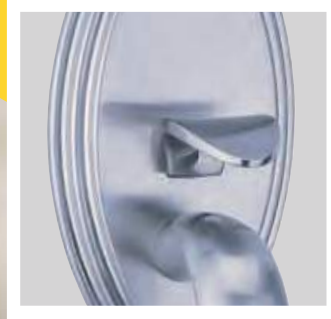
- Latchbolt and deadbolt operated by lever all the times
- Latchbolt and deadbolt operated by thumbturn

Product Classification

3X810F3BA20



Lock case	Face plate		Finish	
500AE	S	Standard, Square Ends	SS	Satin Stainless Steel
	R	Optional, Round Ends	PS	Polished Stainless Steel



M8700 SERIES ANSI Mortise Handleset



The world's favorite lock

An ASSA ABLOY Group brand

ASSA ABLOY

M8700 General Introduction

With its stylish trim designs and sophisticated locking mechanism, Yale M8700 series ANSI Grade 2 Entrance Handleset helps securing and protecting your home. The stainless steel mortise lock case provides the highest level of key-operated security and represent the industry standard of quality. The elegant trim designs can match with any modern home interior design.

It is ideal for doors with Thickness of 45mm to 55mm (also available on application to suit doors 40mm to 75mm thick) and standard Backset 70mm (2 3/4").

- Exceptional high quality ANSI grade 2 stainless steel mortise lock case
- More than 800,000 times lifecycle tested
- Forged solid brass entrance handlesets (Classic and Elegance Series)
- Various series of handlesets design
- Most of the trims and function design have been patented in the PR China and Hong Kong
- High quality PVD finish provides lifetime protection from corrosion and tarnish
- Toggle at lock front can temporarily unlock the exterior push button for convenience
- Anti-panic function for emergency egress. Turning interior knob retracts the latchbolt and deadbolt simultaneously while exterior push button remains locked.

Special Features

1 Patented Escutcheon & Handle Style Design

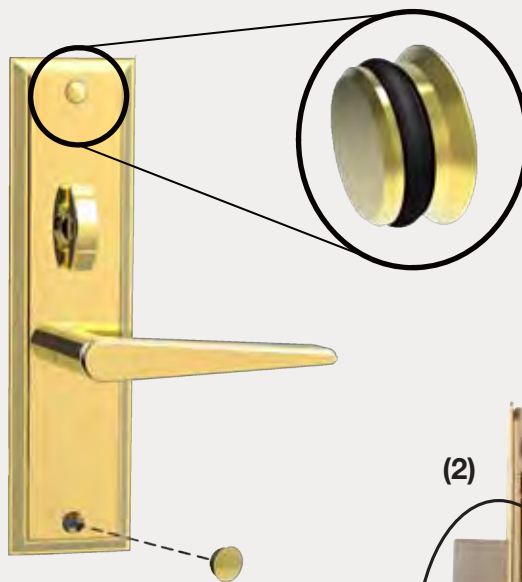


2 Patented Push Button Design

Innovative square form push button design (patented, on D Handleset design)

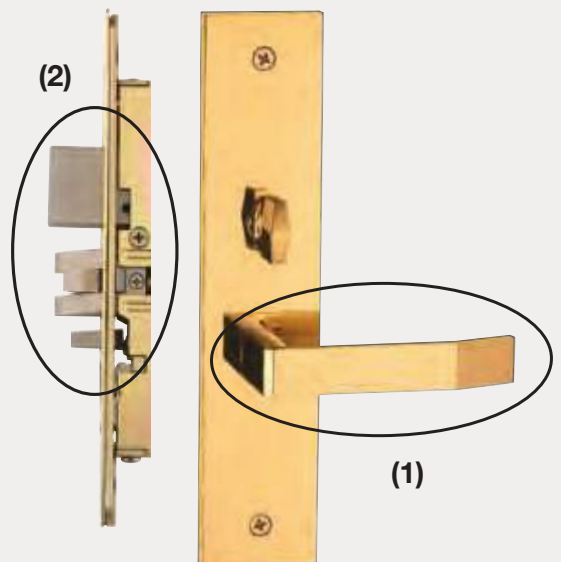
3 Novel Screw Cover Design

Cover up the screws so as to enhance the sense of art and give extraordinary cosmetic expression (on Sensation Series Handleset design)



4 Patented Anti-panic Function

The latchbolt & deabolt (2) will retract simultaneously by turning the interior lever (1) (patented).





Exquisite

Classical designs make a bold statement to any door.

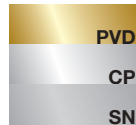
Classic Series



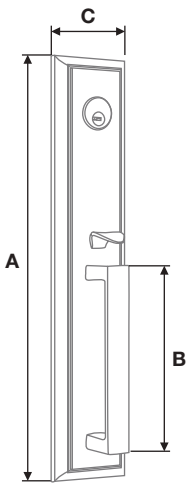
M8773 AA



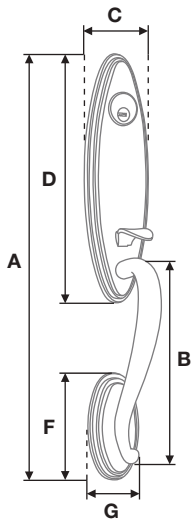
M8773 BB



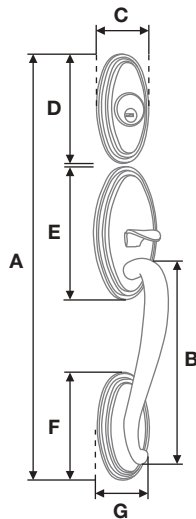
M8773 BC



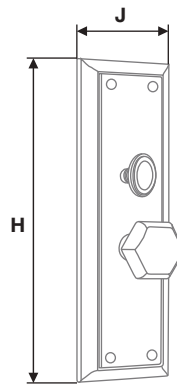
Front Plate Diagram for AA



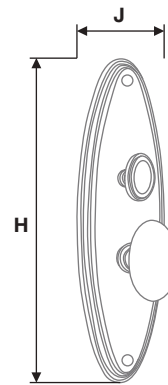
Front Plate Diagram for BB



Front Plate Diagram for BC



Back Plate Diagram for AA



Back Plate Diagram for BB, BC

Model	Dimension (mm)								
	A	B	C	D	E	F	G	H	J
AA	445	190	86	-	-	-	-	280	86
BB	435	210	75	255	-	112	60	255	75
BC	440	210	72	112	137	112	60	255	75

*Escutcheon thickness : 20mm (AA) / 14mm (BB & BC)

Classic Series



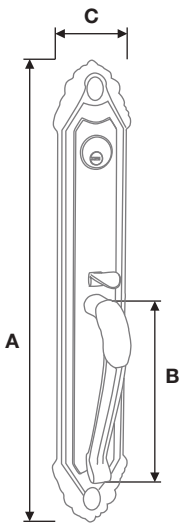
M8773 G1



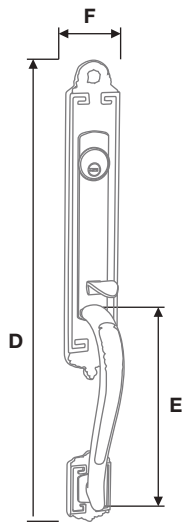
M8773 H1



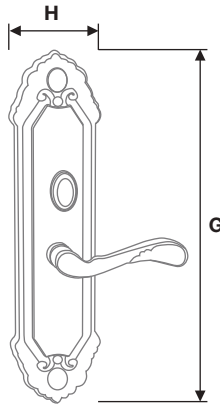
M8773 H2



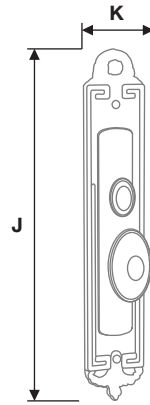
Front Plate Diagram for G1, J1



Front Plate Diagram for H1, H2



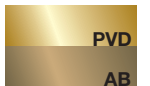
Back Plate Diagram for G1, H1, J1



Back Plate Diagram for H2



M8773 J1



Model	Dimension (mm)									
	A	B	C	D	E	F	G	H	J	K
G1	493	200	84	-	-	-	330	84	-	-
H1	-	-	-	480	225	60	345	60	-	-
H2	-	-	-	480	225	60	-	-	345	60
J1	538	215	77	-	-	-	308	77	-	-

*Escutcheon thickness : 13mm (G1) / 10mm (H1 & H2) / 11.5mm (J1)



Stylish

Putting architectural concepts into hardware designs. All handles and trim designs have been patented in the PR China and in Hong Kong

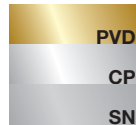
D Handleset Design



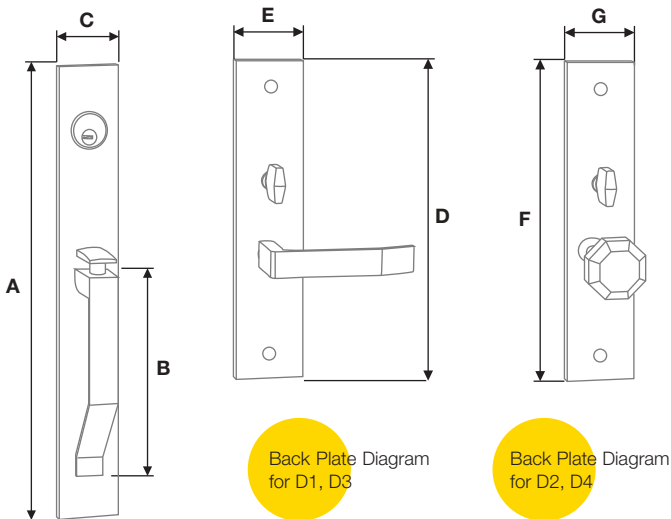
M8773 D1



M8773 D2



M8773 D3



Back Plate Diagram for D1, D3

Back Plate Diagram for D2, D4

Front Plate Diagram for D1, D2, D3, D4



M8773 D4

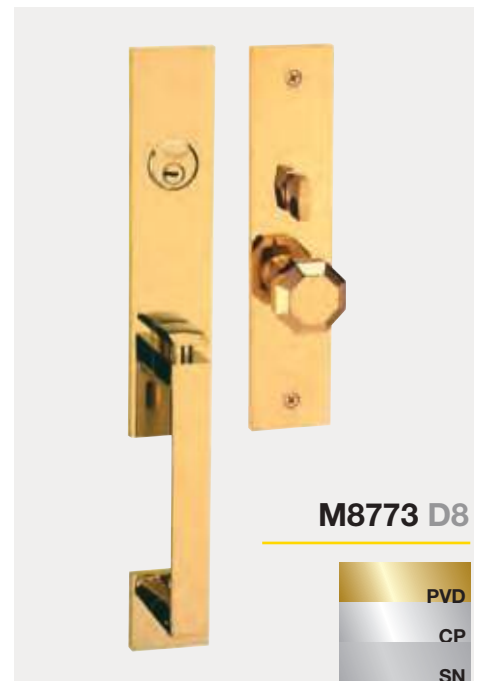
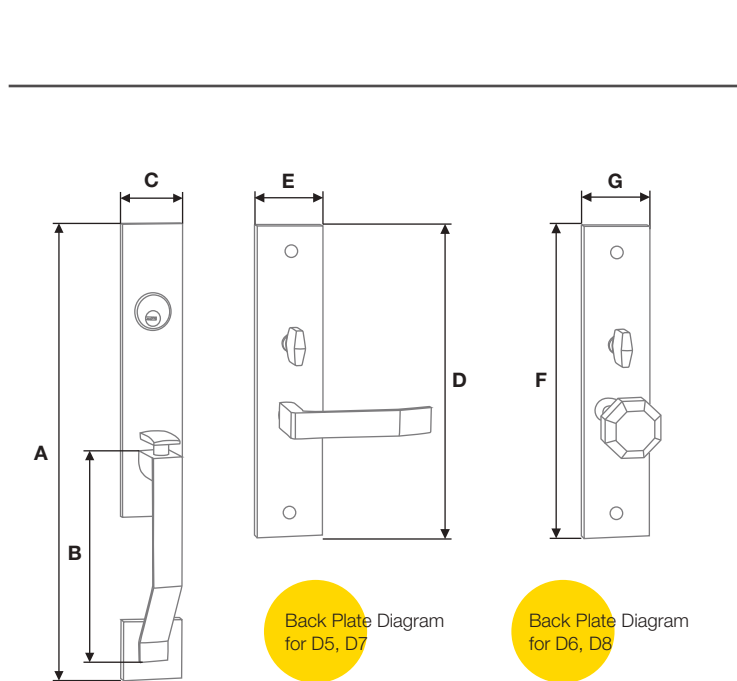
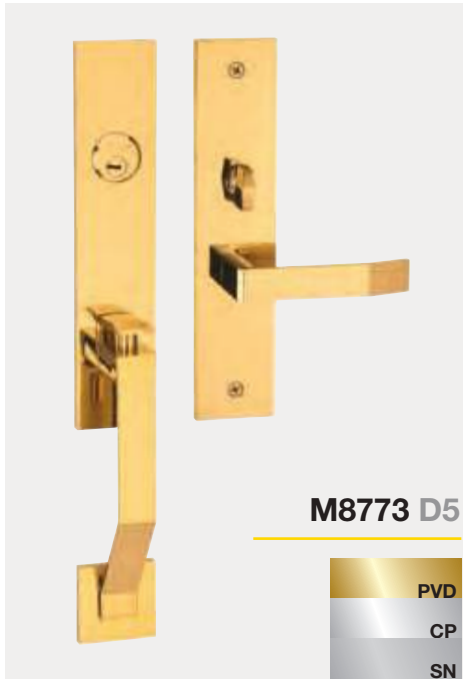


Model	Dimension (mm)						
	A	B	C	D	E	F	G
D1	430	201	58	270	58	-	-
D2	430	201	58	-	-	270	58
D3	430	193	58	270	58	-	-
D4	430	193	58	-	-	270	58

*Escutcheon thickness : 10mm

Design concept for D Handleset design

Inspired by the building, "The Hong Kong and Shanghai Banking Corporation Headquarter" (*Central, Hong Kong*) designed by Norman Foster in 1978, Yale's designers used an "Angular Design" in this series. The angular form handle on the flat panel expresses the high-tech modern feeling



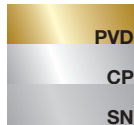
Model	Dimension (mm)						
	A	B	C	D	E	F	G
D5	427	201	58	270	58	-	-
D6	427	201	58	-	-	270	58
D7	427	193	58	270	58	-	-
D8	427	193	58	-	-	270	58

*Escutcheon thickness : 10mm

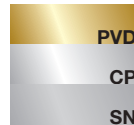
E Handleset Design



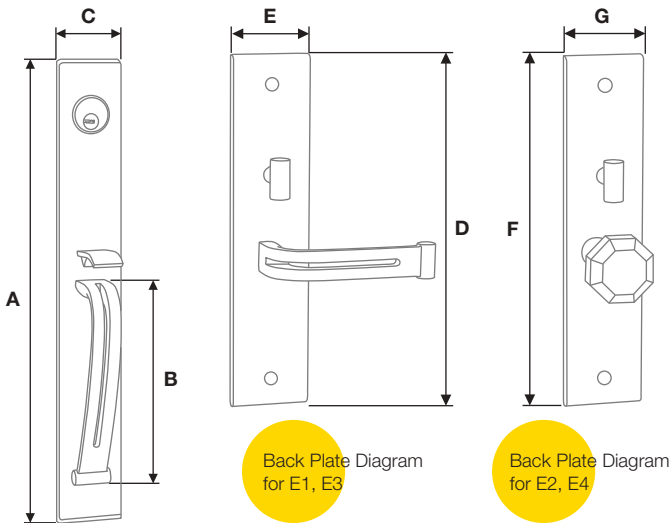
M8773 E1



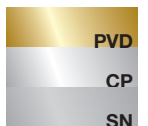
M8773 E2



M8773 E3



M8773 E4

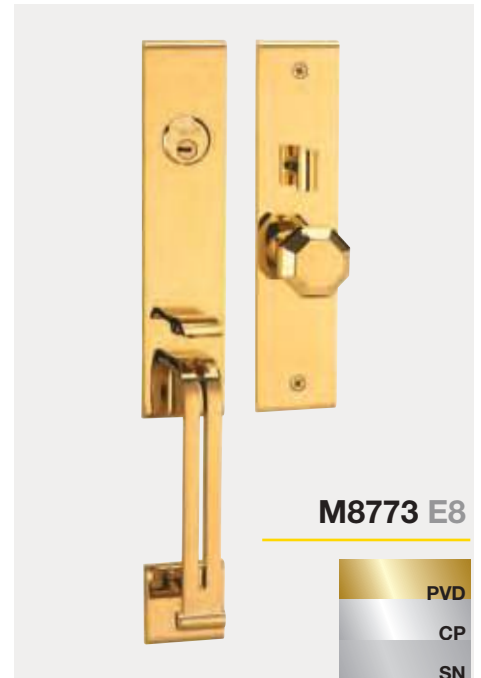
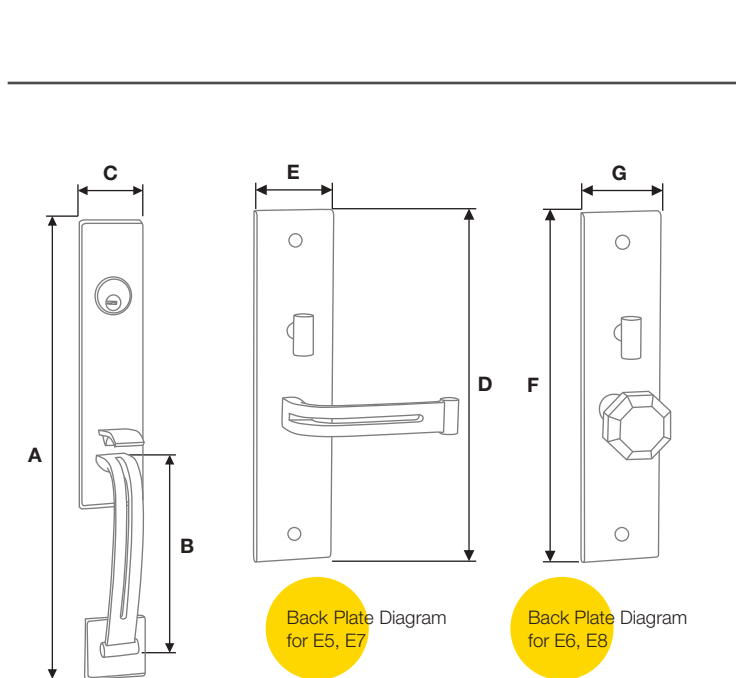
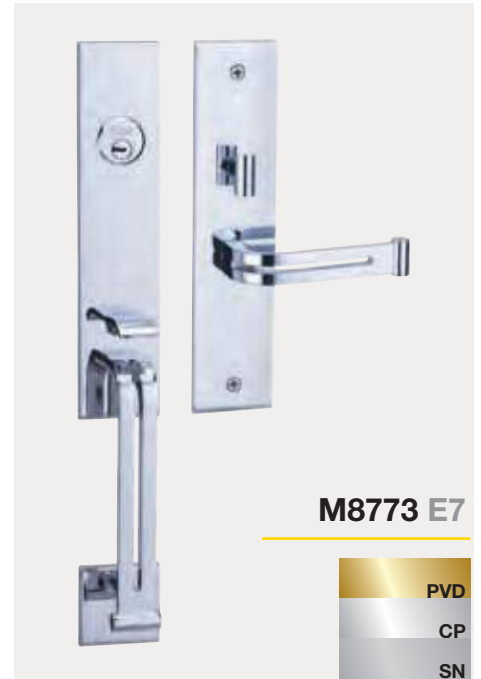
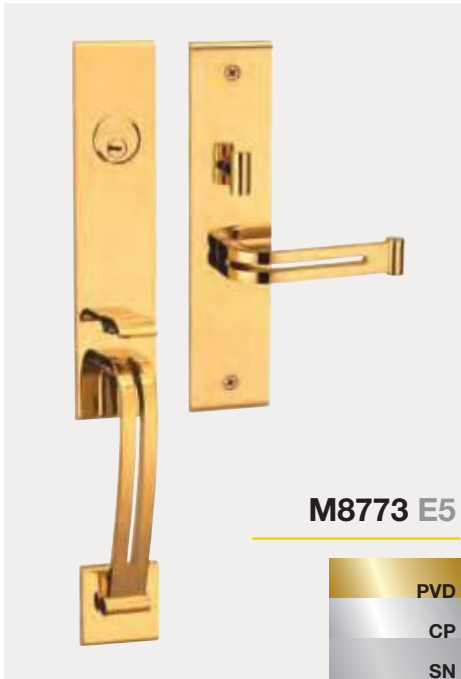


Model	Dimension (mm)						
	A	B	C	D	E	F	G
E1	430	190	60	270	60	-	-
E2	430	190	60	-	-	270	60
E3	430	192	60	270	60	-	-
E4	430	192	60	-	-	270	60

*Escutcheon thickness : 10mm

Design concept for E Handleset design

Yale's designers got the ideas from the building; "Villa Savoye" (Poissy, France) designed by the Architect Le Corbusier in 1928. Designers put the elements of flat window, curve walls, columns of this building into this series. Through the flat and curved surfaces, E design expresses the beauty of simplicity and feeling of space.



Model	Dimension (mm)						
	A	B	C	D	E	F	G
E5	437.5	190	60	270	60	-	-
E6	437.5	190	60	-	-	270	60
E7	437.5	192	60	270	60	-	-
E8	437.5	192	60	-	-	270	60

*Escutcheon thickness : 10mm

F Handleset Design



M8773 F1

PVD
CP
SN



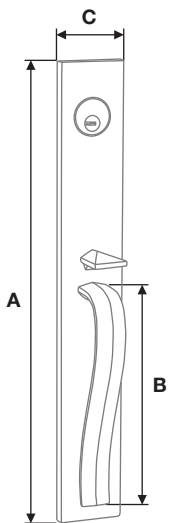
M8773 F2

PVD
CP
SN

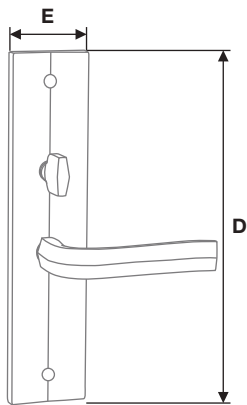


M8773 F3

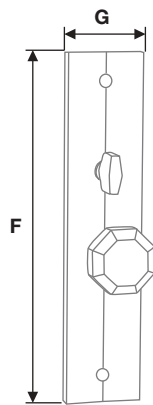
PVD
CP
SN



Front Plate Diagram for F1, F2, F3, F4



Back Plate Diagram for F1, F3



Back Plate Diagram for F2, F4



M8773 F4

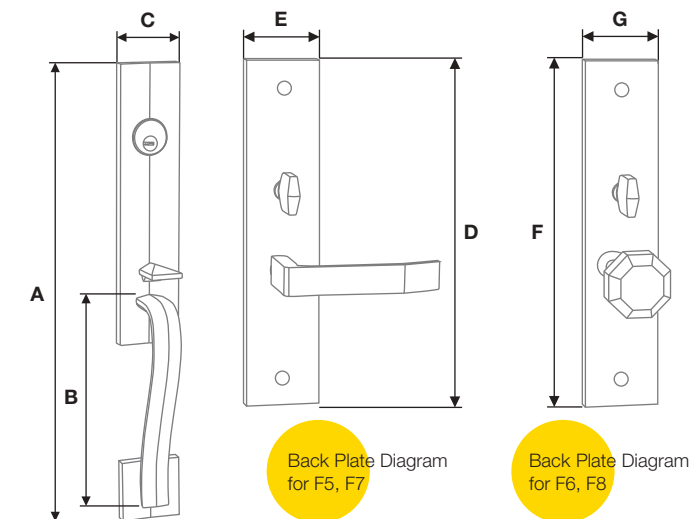
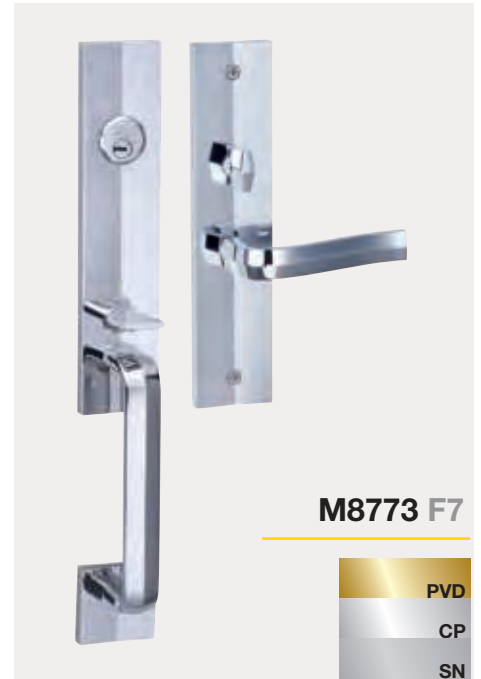
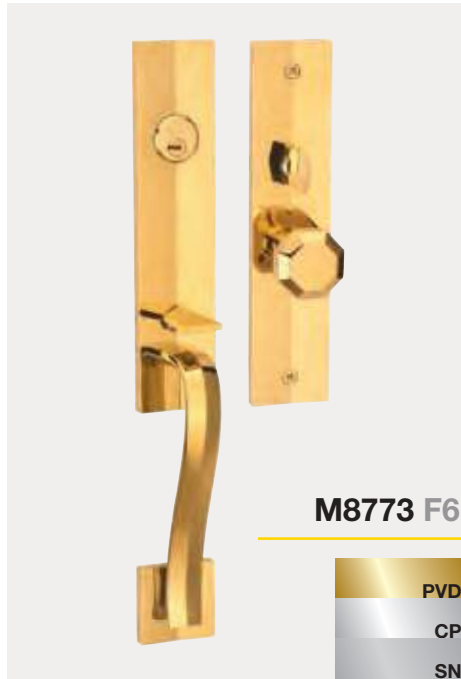
PVD
CP
SN

Model	Dimension (mm)						
	A	B	C	D	E	F	G
F1	430	210	60	270	60	-	-
F2	430	210	60	-	-	270	60
F3	430	193	60	270	60	-	-
F4	430	193	60	-	-	270	60

*Escutcheon thickness : 12mm

Design concept for F Handleset design

"Not simply to look at the waterfalls, but to live with them." Yale's designers were inspired by the building, "Falling Water" (Pennsylvania, America), the masterpiece of an American Architect, Frank Lloyd Wright. They designed a Falling-water shaped handle for F Handleset design. The streamlined handle plus the geometric panel create a dramatic effect.



Model	Dimension (mm)						
	A	B	C	D	E	F	G
F5	446.5	210	60	270	60	-	-
F6	446.5	210	60	-	-	270	60
F7	446.5	193	60	270	60	-	-
F8	446.5	193	60	-	-	270	60

*Escutcheon thickness : 12mm

Legend Design

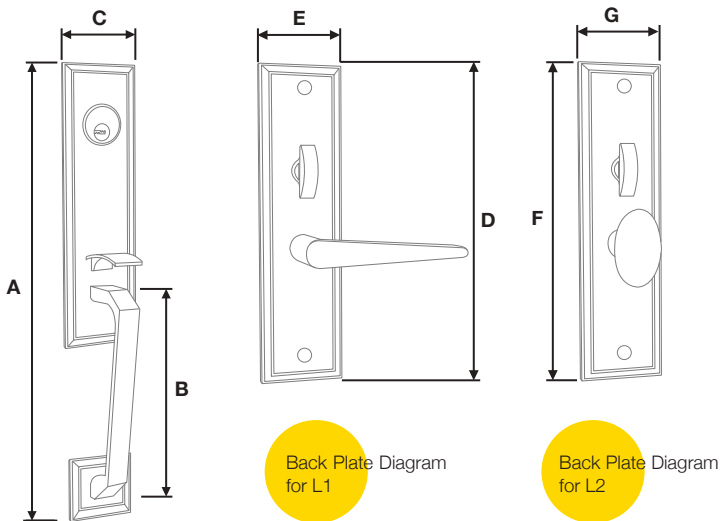
Innovative Legend Design makes the flat panel in harmony with the polygonal grip handle. Intersection of lines and slant of the fold surface reflects the aesthetic of the inclined plane integration.



M8773 L1



M8773 L2



Back Plate Diagram for L1

Back Plate Diagram for L2

Front Plate Diagram for L1, L2

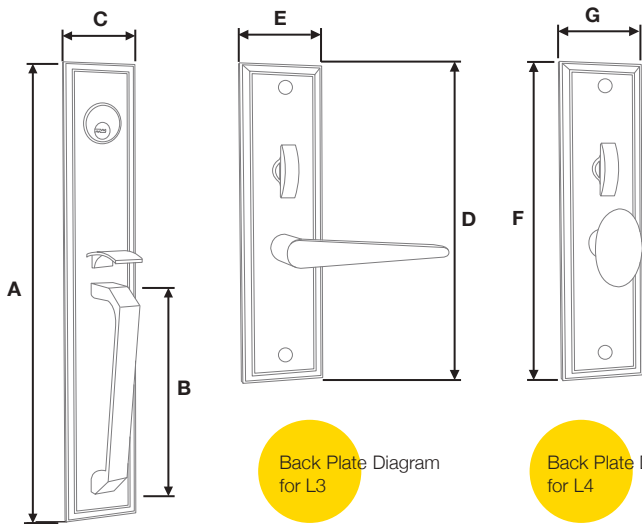
Model	Dimension (mm)						
	A	B	C	D	E	F	G
L1	425.5	200	66	255	66	-	-
L2	425.5	200	66	-	-	255	66



M8773 L3



M8773 L4



Back Plate Diagram for L3

Back Plate Diagram for L4

Front Plate Diagram for L3, L4

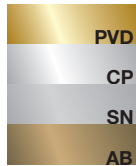
Model	Dimension (mm)						
	A	B	C	D	E	F	G
L3	425.5	200	66	255	66	-	-
L4	425.5	200	66	-	-	255	66

Majestic Design

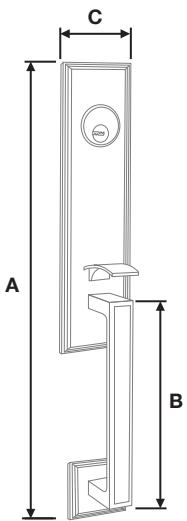
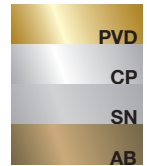
"Stairway" as the principle concept of the Majestic design, with a pyramid-shaped appearance of the quadrangle, the whole panel and handle design gives an magnificent sense.



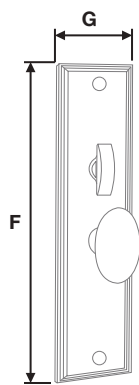
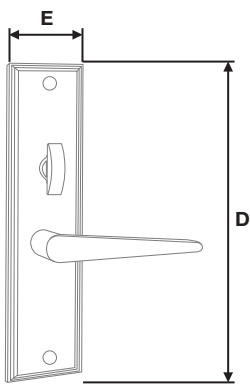
M8773 M1



M8773 M2



Back Plate Diagram for M1



Back Plate Diagram for M2

Front Plate Diagram for M1, M2

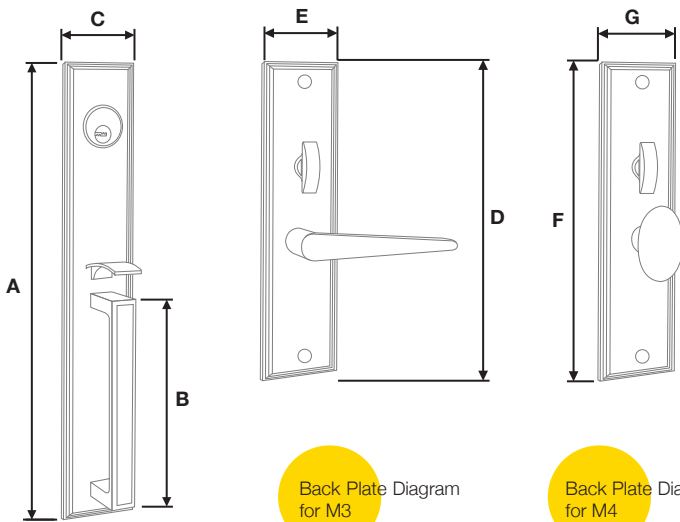
Model	Dimension (mm)						
	A	B	C	D	E	F	G
M1	437.5	200	70	280	70	-	-
M2	437.5	200	70	-	-	280	70



M8773 M3



M8773 M4



Back Plate Diagram for M3

Back Plate Diagram for M4

Front Plate Diagram for M3, M4

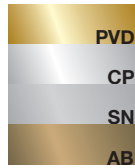
Model	Dimension (mm)						
	A	B	C	D	E	F	G
M3	437.5	200	70	280	70	-	-
M4	437.5	200	70	-	-	280	70

Natural Design

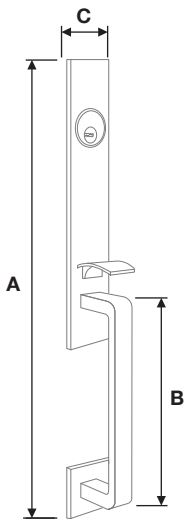
The slim, concise and vogue escutcheon match with streamline handle design, elegant Natural style designed to add a modern touch to home decoration.



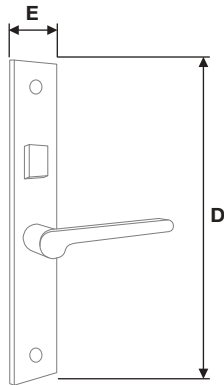
M8773 N1



M8773 N2



Front Plate Diagram for N1, N2



Back Plate Diagram for N1



Back Plate Diagram for N2

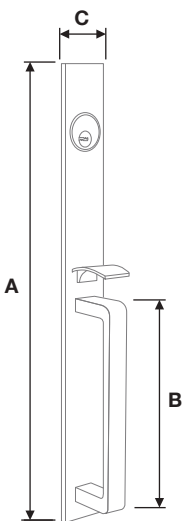
Model	Dimension (mm)						
	A	B	C	D	E	F	G
N1	435.5	200	45	270	45	-	-
N2	435.5	200	45	-	-	270	45



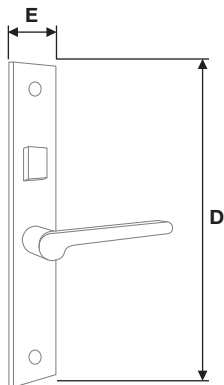
M8773 N3



M8773 N4



Front Plate Diagram for N3, N4



Back Plate Diagram for N3



Back Plate Diagram for N4

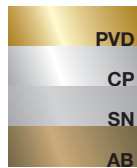
Model	Dimension (mm)						
	A	B	C	D	E	F	G
N3	430	200	45	270	45	-	-
N4	430	200	45	-	-	270	45

Orient Design

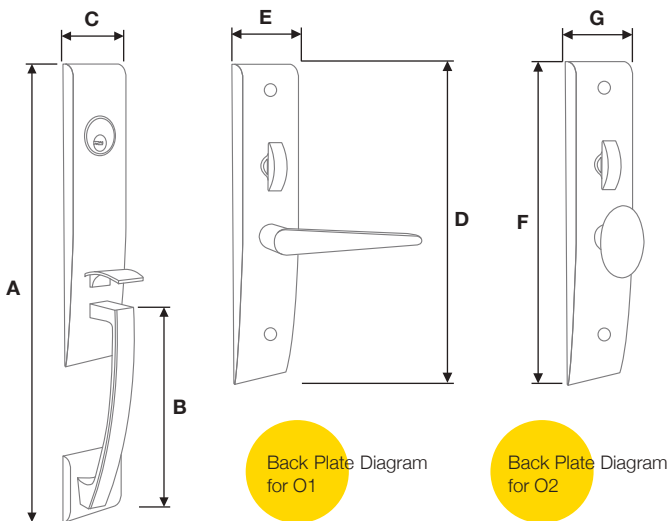
A simple parabolic curvature is the heart of the panel and the handle design. The streamlined design of the Orient style originate a natural beauty of the scenery.



M8773 O1



M8773 O2



Back Plate Diagram for O1

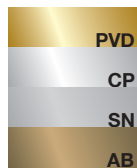
Back Plate Diagram for O2

Front Plate Diagram for O1, O2

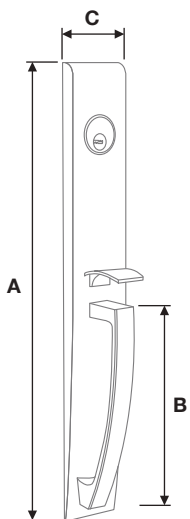
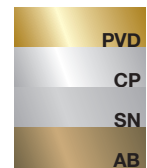
Model	Dimension (mm)						
	A	B	C	D	E	F	G
O1	430	200	60	280	60	-	-
O2	430	200	60	-	-	280	60



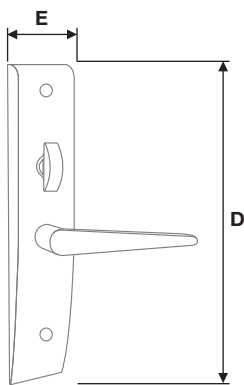
M8773 O3



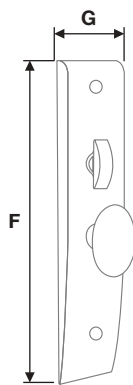
M8773 O4



Front Plate Diagram
for O3, O4



Back Plate Diagram
for O3



Back Plate Diagram
for O4

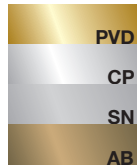
Model	Dimension (mm)						
	A	B	C	D	E	F	G
O3	430	200	60	280	60	-	-
O4	430	200	60	-	-	280	60

Polygon Design

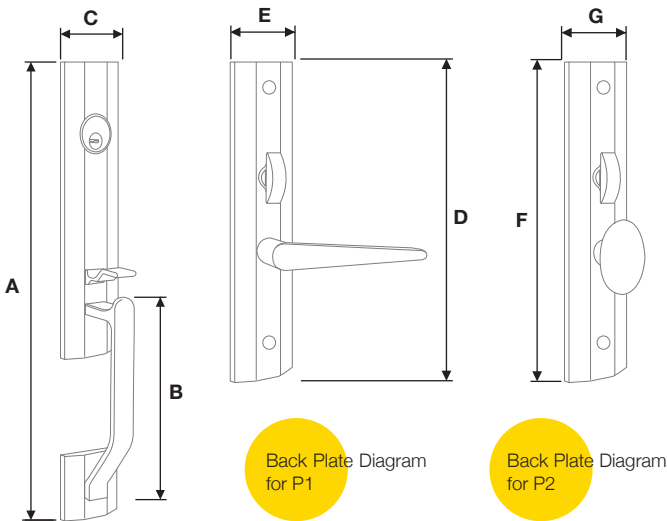
Polygon Design makes use of three-dimensional geometric design to create fashion panel and unique look and feel of handle which is perfectly to cope with today's home design trends.



M8773 P1



M8773 P2



Back Plate Diagram for P1

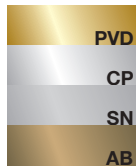
Back Plate Diagram for P2

Front Plate Diagram for P1, P2

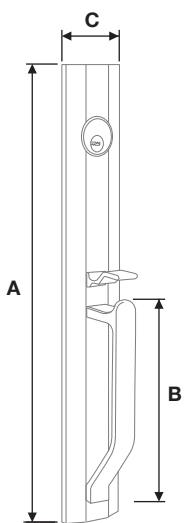
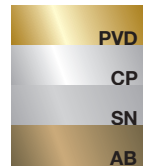
Model	Dimension (mm)						
	A	B	C	D	E	F	G
P1	430	201.6	60	280	60	-	-
P2	430	201.6	60	-	-	280	60



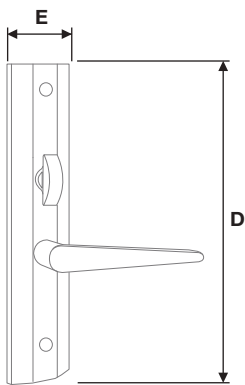
M8773 P3



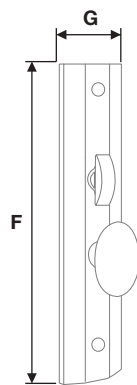
M8773 P4



Front Plate Diagram
for P3, P4



Back Plate Diagram
for P3



Back Plate Diagram
for P4

Model	Dimension (mm)						
	A	B	C	D	E	F	G
P3	430	201.6	60	280	60	-	-
P4	430	201.6	60	-	-	280	60



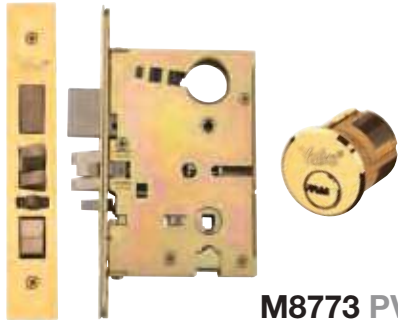
Mortise Lock Case

Mortise Lock Case

M8700 series mortise lock cases meet the ANSI standard ANSI/BHMA A 156.13-2005 grade 2 and passed 800,000 testing cycles. Together with Genuine Yale ANSI Cylinder, M8700 mortise locks provide utmost door security.

All M8700 series mortise locks are packed with matching finishes' lock cases and cylinders. 5 pieces of silver nickel brass 6-pin dimple keys will be supplied.

It is ideal for doors with Thickness of 45mm to 55mm (also available on application to suit doors up to 75mm thick upon special request) and standard Backset 70mm (2 3/4").



M8773 PVD



5 piece of silver nickel brass keys with 6 dimple pins

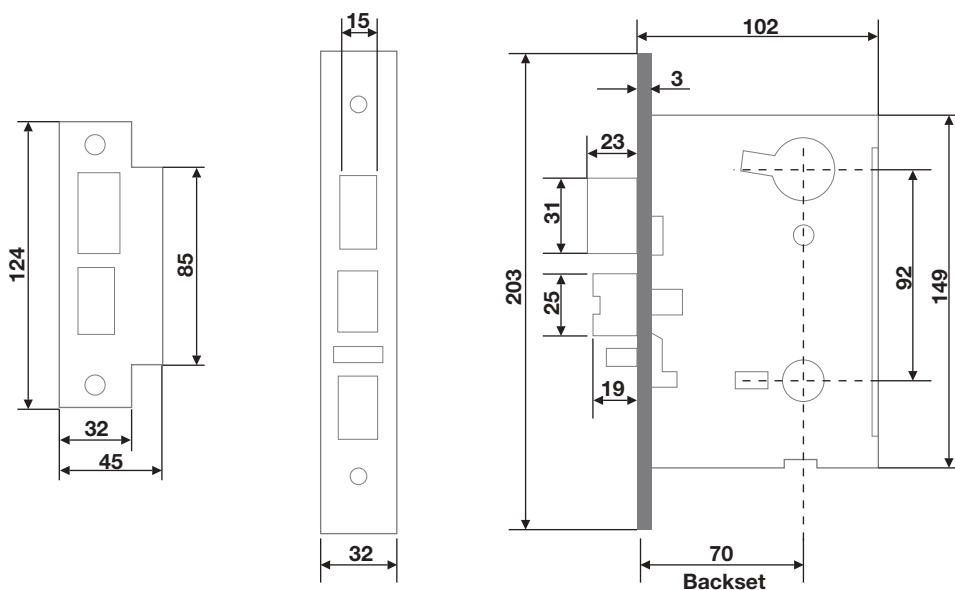


M8773 CP



M8773 SN

Lock Case Specification

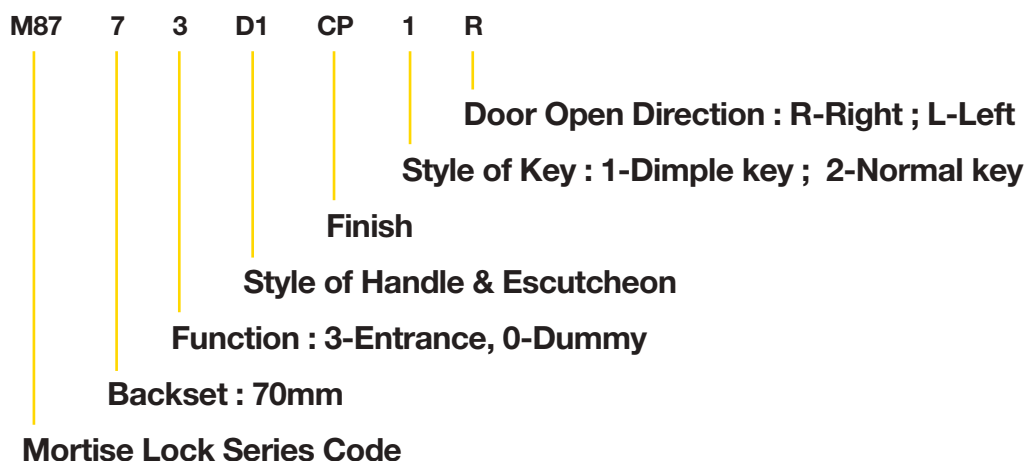


Product Specification

M8700 series ANSI Mortise Handleset Specification

- **Standard** : ANSI/BHMA A 156.13-2005 grade 2
- **Testing Cycles** : more than 800,000 cycles tested
- **Lock case** : ANSI grade 2 stainless steel mortise lock case
- **Materials** :
 - Trim & handle - forged solid brass (Class and Elegance Series)
 - solid zamak alloy (Sensation Series)
 - Forend & strike - steel for PVD & AB finishes, stainless steel for other finishes
 - Latch, dead & auxiliary bolt - cast stainless steel
 - Lock case - steel
- **Backset** : 70mm (2 3/4")
- **Door thickness** : 45~55mm standard (available from 40mm to 75mm thick door upon request)
- **Function** : Entrance, Dummy (Optional)
- **Cylinder** : Classic & Elegance Series: Normal key or 6-pin dimple key
Sensation Series: 6-pin dimple key (standard offer with construction keys)
- **No. of Keys** : Classic & Elegance Series: 5 pieces of silver nickel brass keys
Sensation Series: 2 piece of A Construction keys & 5 piece of B User keys (All in silver nickel brass keys)

How to Order



* **Door Open Direction** : Just for models with lever handle. It will be blank for models with knob handle.

How To Order

In the How to order table, please refer to the series name first and then determine the specific item number that you require. By choosing your desired Function, Handle and Escutcheon Style and Finish, you can easily determine the Handleset to meet your needs.

Classic Series

M87	7	3	AA	CP	1	R
Mortise Lock Series Code	Backset	Function Code	Style of Handle & Escutcheon	Finish	Style of Key	Door Open Direction
M87	7 Standard Backset (70mm)	3 Entrance	AA	AB Antique Brass (Only available for G1 H1 H2 J1 Handle & Escutcheon)	1 Dimple Key	R Right
		0 Dummy	BB	CP Chrome Plated (Only available for AA BB BC Handle & Escutcheon)	2 Normal Key	L Left
			BC	SN Satin Nickel (Only available for AA BB BC Handle & Escutcheon)		
			G1	PVD Physical Vapor Deposition		
			H1			
			H2			
			J1			

Elegance Series

M87	7	3	D1	CP	1	R
Mortise Lock Series Code	Backset	Function Code	Style of Handle & Escutcheon	Finish	Style of Key	Door Open Direction
M87	7 Standard Backset (70mm)	3 Entrance	D1 to D8	CP Chrome Plated	1 Dimple Key	R Right
		0 Dummy	E1 to E8	SN Satin Nickel	2 Normal Key	L Left
			F1 to F8	PVD Physical Vapor Deposition		

Sensation Series

M87	7	3	D1	CP	1	R
Mortise Lock Series Code	Backset	Function Code	Style of Handle & Escutcheon	Finish	Style of Key	Door Open Direction
M87	7 Standard Backset (70mm)	3 Entrance	L1 to L4	AB Antique Brass	1 Dimple Key*	R Right
		0 Dummy	M1 to M4	CP Chrome Plated		L Left
			N1 to N4	SN Satin Nickel		
			O1 to O4	PVD Physical Vapor Deposition		
			P1 to P4			

* 2pc A Construction keys & 5pc B User keys as standard offer.

** The product finishes shown on this brochure may differ from the actual products. Please take the actual product finishes as the standard.



8800 Series

Grade 1 Mortise Locks



never compromise

The value of any product is equal to the quality of the labor and materials put into making it. And the Yale® 8800 series mortise lock is a perfect example that true quality doesn't just happen. Meticulous design and engineering have gone into manufacturing a mortise lock that brings you versatility as well as uncompromising strength and durability.

With quick lever handing and a quick reversible latchbolt, lockset handing takes only seconds. Add a standard non-handed curved lip strike, and you have a no-hassle mortise lock that's quick and easy to install.

When it comes to strength, the Yale® 8800 series brings a new measure of security to the door. Its 1" throw stainless steel deadbolt extends further back into the reinforced steel case when in the locked position, providing added stability and resistance to abuse. Solid trim packages also provide deterrence to vandalism, making the 8800 series a prime player in your total opening security package.

For over 160 years, Yale Locks and Hardware has built a reputation on manufacturing products that exceed expectations of quality and reliability. The Yale 8800 series mortise lock is no exception, and to demonstrate that quality proves itself, we back it with a 10-year mechanical warranty.

We won't compromise, and neither should you.

8800

The Yale 8800 series mortise lock is an industry standard product. Suitable for installation on doors 1-3/4" to 3-1/4" thick with standard trims, these products have a 1" throw stainless steel deadbolt. The anti-friction one-piece latchbolt is stainless steel and has a 3/4" throw.

finishes

The Yale 8800 series mortise lock is available in the trim finishes as listed. All knobs, lever handles, roses, escutcheons, cylinder collars and other exposed parts are fabricated of either brass, bronze, stainless steel or zinc and will be compatible with the finish ordered. When ordering, specify the finish required by the ANSI/BHMA Code Number only. When locksets are ordered with different trim finishes on each side, specify the outside finish first, i.e. COR8817-2 x 612 x 625. The front and strike finish will match the inside finish unless specified otherwise.

camden escutcheon

8800 series locks with escutcheon trim are provided standard with the Camden (CN) escutcheon. This zinc die cast escutcheon features one-piece casting for superior strength. Locks with this escutcheon are ANSI/BHMA certified operational and security Grade 1 and will retrofit to existing Yale escutcheon preps. The aesthetics of the CN escutcheon provide a design continuum with Yale exit device trim for a consistent look throughout the facility.

windstorm

Certified (refer to local codes).



Hurricane

warranty

Yale 8800 series mechanical mortise locks carry a ten (10) year warranty and 8800 series electrified mortise locks carry a two (2) year warranty.

contents

- Introduction 2
- Finishes 2
- Features 3
- SL8800 4
- Facts and Figures 5
- Standard Lever Trim Installation 5
- Standard Lever Trim 6-9
- 8800RL Reflections® Trim 10-11
- Knob Trim 12-13
- Lockset Functions 14-23
- SecureX® Electrified 24-26
- SecureX® Electrified Accessories 27
- Cylinders 28-30
- Cylinder Collars 31-37
- Strikes 38
- Miscellaneous 39
- Occupancy Indicators 40
- How to Order 41
- Handing 42

ANSI/BHMA Code	Finish Description
605	Bright Brass, Clear Coated
606	Satin Brass, Clear Coated
609	Satin Brass, Blackened, Satin Relieved, Clear Coated
611	Bright Bronze, Clear Coated
612	Satin Bronze, Clear Coated
613	Dark Oxidized Satin Bronze, Oil Rubbed ¹
613E	Dark Oxidized Satin Bronze - equivalent
616	Satin Bronze, Blackened, and Satin Relieved, Clear Coated
618	Bright Nickel Plated, Clear Coated
619	Satin Nickel Plated, Clear Coated
620	Satin Nickel Plated, Blackened, Satin Relieved, Clear Coated
625	Bright Chrome Plated
626	Satin Chrome Plated
629	Bright Stainless Steel
630	Satin Stainless Steel
693	Black Painted
722	Black Oxidized Bronze, Oil Rubbed ²

1. New May 1, 2010
2. Formerly 613 prior to May 1, 2010

Finish available with MicroShield® antimicrobial coating, additional finishes by special application. Consult factory for availability.

features

A.D.A.

The 8800FL meets accessibility guidelines of the Americans with Disabilities Act and the requirements of the Uniform Federal Accessibility standards and ANSI 117.1, all requiring ease of accessibility for the handicapped.

ANSI/BHMA

Certified ANSI/BHMA A156.13, Series 1000, Operational Grade 1 (8800FL with CN escutcheon & SL8800 meet Security Grade 1).



bevel front

Yale 8800 series fronts are free-floating to adjust from flat to the standard bevel of 1/8" in 2".

door thickness

8800 series mortise locks are supplied as standard for 1-3/4" thick doors. For other than standard, specify the door thickness on the order: (i.e. 2", 2-1/4", etc.)

installations

8800 series mortise locks conform to ANSI/BHMA Specifications A156.115 which cover hardware preparations for steel doors and steel frames and A156.115-W which cover hardware preparations for wood doors with wood or steel frames.

microshield®

8800 series locks are available with MicroShield® antimicrobial coating. *MicroShield* is a revolutionary hardware finish coating, using a silver ion based technology, which inhibits the growth of bacteria, algae, yeast, fungus, mold and mildew. *MicroShield* is non-toxic and lasts for the lifetime of the finish to which it is applied. To order, suffix option code "YMS".



Note: *MicroShield*® coating may vary finish color from architectural standards. *MicroShield* is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated product must still be cleaned to insure the surfaces will be free of destructive microbes. Yale Locks & Hardware makes no representations or warranties, express or implied, as to the efficacy of the *MicroShield* antimicrobial.

ISO 9001

Designed and manufactured under a certified ISO 9001 quality system.

knurled designs

Where required by the local authority, trim can be knurled to be identifiable to the touch for blind persons. All knob designs except CA may be ordered knurled; all lever designs except designer trim and Reflections® trim (pages 9 & 11) may be ordered knurled.

Only the outside knob or lever will be knurled or abrasive coated unless specified otherwise. To order a complete lockset knurled or abrasive coated, suffix the lockset model number with "Knurled" or "Abrasive Coated," i.e. LF x CN8807 x "Knurled," LF x CN8817-2 x "Knurled Inside Only," AU x CN8828FL "Abrasive Coated."

lead shielding

All Yale 8800 series mortise locks are available with a lead shield for installation in lead-lined doors. To order, suffix the lockset model number with "lead-lined."

quick reversibility

Yale mortise locks with the same trim on both sides (knob x knob or lever x lever) are field reversible. These locks can be converted to accommodate the hand of the door. However, to reduce installation costs, it is recommended that the hand of the door be specified for each lockset ordered. If the hand of the door is not specified, RH will be furnished.

underwriters laboratories (UL - cUL)

Yale 8800 series mortise locks have been listed by Underwriters Laboratories Inc. for use on fire doors having a rating up to and including 3 hours and for use on 20 minute wood doors. This pertains to single swing doors not exceeding 4 feet in width and 8 feet in height and in doors mounted in pairs not exceeding 8 feet in either direction (unless otherwise noted in the individual listings.)

In general, single-point mortise locks or latches with 3/4" minimum latch throw are intended for the active leaf of doors mounted in pairs, with the inactive leaf provided with top and bottom flush or surface bolts of the manual, automatic, or self-latching type. The door Classification Marking specifies the minimum latch throw required for the individual door.

Yale 8800 series mortise locks with 3/4" throw latchbolts may also be used on single swing doors rated 1-1/2 hours or less, up to 4 feet in width and 9 feet in height. This is in addition to the rating mentioned above. All Yale 8800 Series Mortise Locks with Lever Handle Trim are UL listed for fire door applications. Underwriters Laboratories does not list locks with rabbeted fronts, locks with deadbolt only, or locks with hold-back feature on the latchbolt.

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

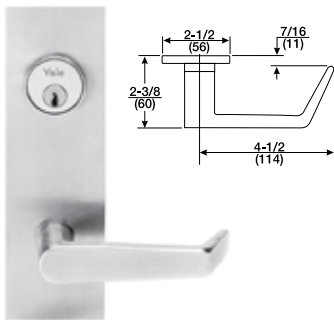


SL8800

Specifications for all levers below:

SL Escutcheon: 8" x 2-1/2"
Cylinder Collar: See pages 34-37
Material: Stainless steel escutcheon; Cast lever (plated to match stainless steel)

Augusta - AUSL



- The SL8800 series mortise lock features heavy-duty lever escutcheon trim and is designed primarily for applications in schools and other institutions where excessive abuse and vandalism may occur. It is also recommended for use in minimum security prisons and office buildings or apartment buildings located in "high crime" areas.
- Yale® SL8800 series lever escutcheon trims feature through-bolted installation with security head screws.
- Outside trim is held in place by threaded posts. Posts fit through holes in the door, above and below the lock case, and are secured by through-bolts from the inside trim.
- Levers are attached to the escutcheon for added security.
- Yale outside escutcheon trims have no visible screws – a great deterrent to vandalism.
- Each mortise lock ordered with lever trim features an internal heavy-duty spring cartridge which prevents lever sag.
- All Yale mortise lock trims are UL listed for fire door applications.
- SL8800's are offered with Augusta, Arcadia*, Carmel, Jefferson, Monroe, Pacific Beach and Virginia lever handle escutcheon trims. **Handed lever.*
- SL8800 series mortise locks are available in most lock functions. (See pages 14-23.)

Arcadia - ARSL



Carmel - CRSL



Jefferson - JNSL



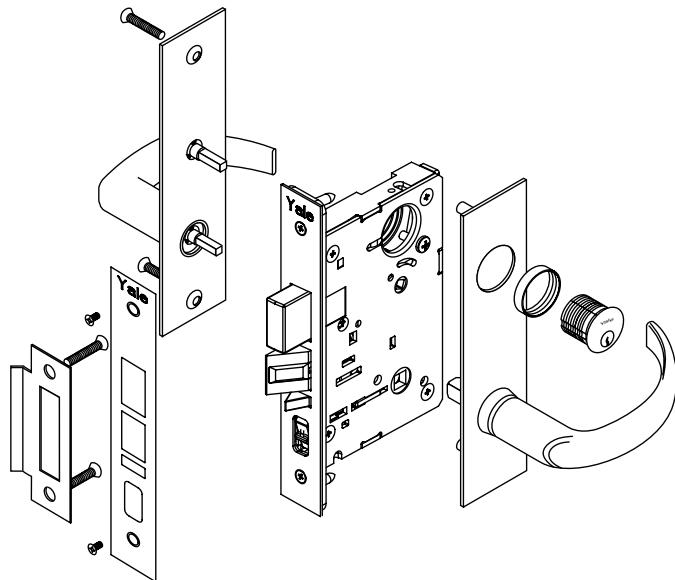
Monroe - MOSL



Pacific Beach - PBSL

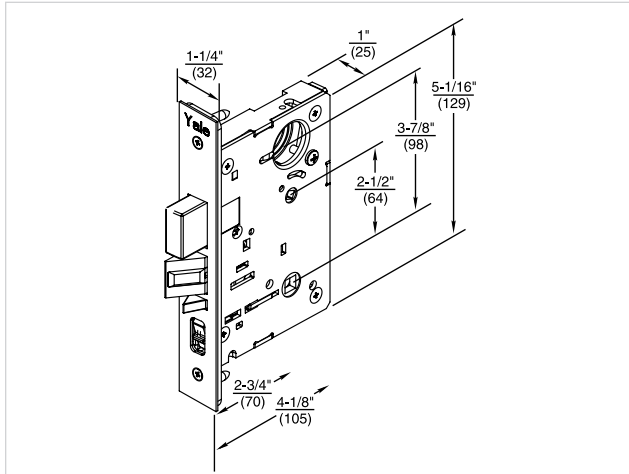


Virginia - VISL



facts and figures

8800/SL8800 series



Armor Front - 8" x 1-1/4"

Door Thickness - 1-3/4" standard, to 3-1/4" thick doors to order.

Deadbolt - 1" throw, solid investment cast stainless steel.

Latchbolt - 3/4" throw, stainless steel one-piece anti-friction.

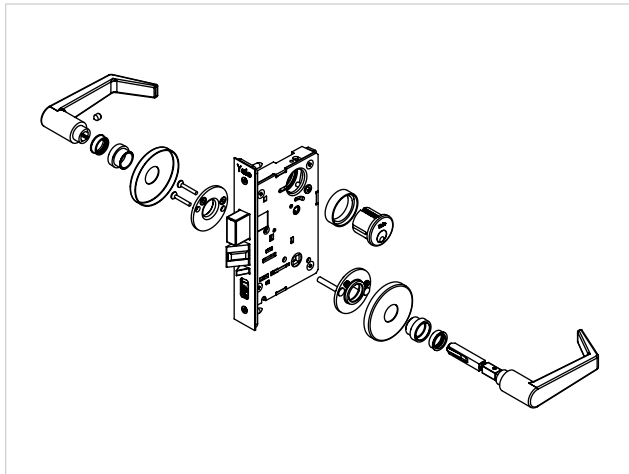
UL Listed - for application on labeled fire doors.

Backset - 2-3/4" only.

Case - wrought steel, zinc dichromated.

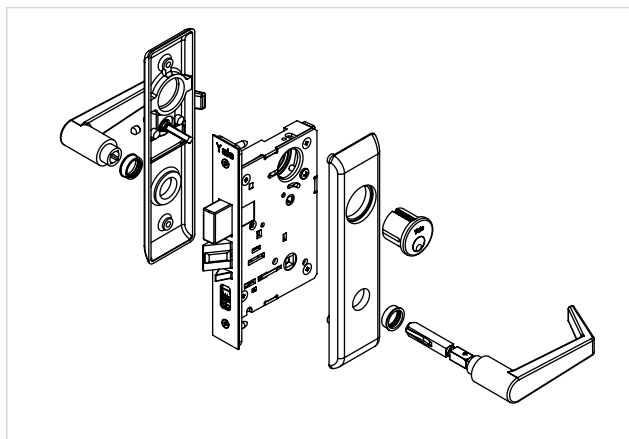
Hubs - 3/8" solid steel, fine-blanked and heat treated for additional strength.

sectional lever installation



- All Yale® 8800FL series sectional lever trims feature through-bolted installation. This ensures positive alignment of the trim with the lock case and offers an attractive appearance.
- Outside trim is held in place by threaded posts. The posts fit through holes in the lock case and are secured by through-bolts from the inside trim.
- Since self-aligning trim is easy to install, on-the-job labor costs may be reduced.
- Each mortise lock ordered with lever trim features an internal heavy-duty spring cartridge which prevents lever sag.
- All Yale mortise lock trims are UL listed for fire door applications.
- A variety of sectional lever designs are available as shown on pages 6-11.

escutcheon lever installation



- All Yale 8800FL series escutcheon lever trims feature through-bolted installation.
- Outside trim is held in place by threaded posts. The posts fit through the door and are secured by through-bolts from the inside trim.
- Yale outside escutcheon trims have no visible screws – a great deterrent to vandalism.
- Each mortise lock ordered with lever trim features an internal heavy-duty spring cartridge which prevents lever sag.
- All Yale mortise lock trims are UL listed for fire door applications.
- A variety of escutcheon lever designs are available as shown on pages 6-11.



standard lever trim

Arcadia - ARR

AR Lever Handle ³ :	Cast
CO Rose ¹ :	Stamped
Cylinder Collar:	See pages 32-33

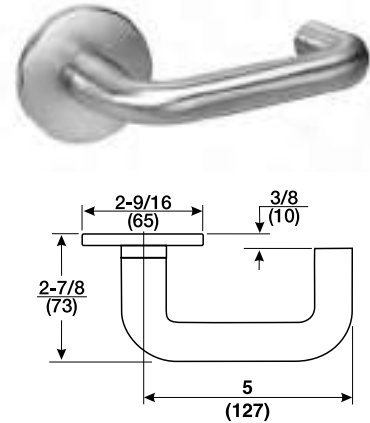
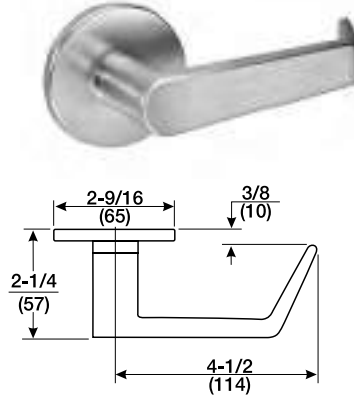
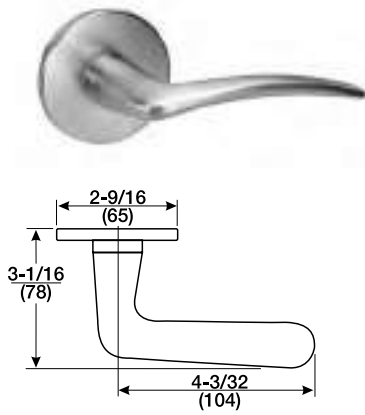
Augusta - AUR

AU Lever Handle:	Cast
CO Rose ¹ :	Stamped
Cylinder Collar:	See pages 32-33

Carmel - CRR

CR Lever Handle:	Cast
CO Rose ¹ :	Stamped
Cylinder Collar:	See pages 32-33

1. Available with Reflections® roses. See page 11 for options.



Arcadia - AR x CN

AR Lever Handle ³ :	Cast
CN Escutcheon ² :	Cast
Cylinder Collar:	See pages 34-37

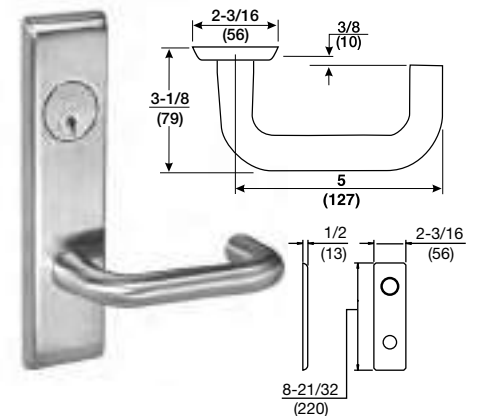
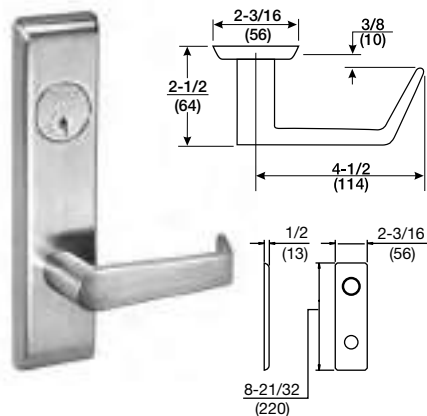
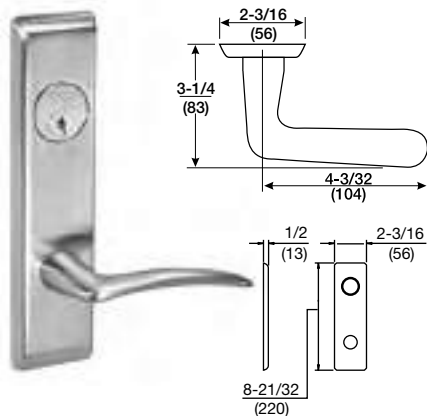
Augusta - AU x CN

AU Lever Handle:	Cast
CN Escutcheon ² :	Cast
Cylinder Collar:	See pages 34-37

Carmel - CR x CN

CR Lever Handle:	Cast
CN Escutcheon ² :	Cast
Cylinder Collar:	See pages 34-37

2. Available with Reflections® escutcheons. See page 11 for options.
3. Indicates levers that are handed.

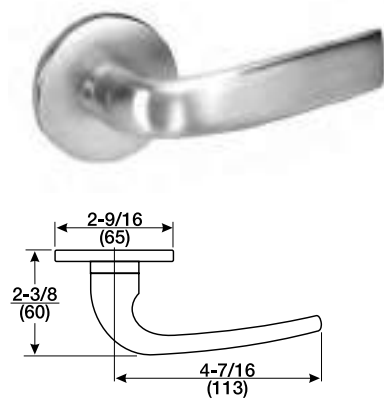


standard lever trim

Jefferson - JNR

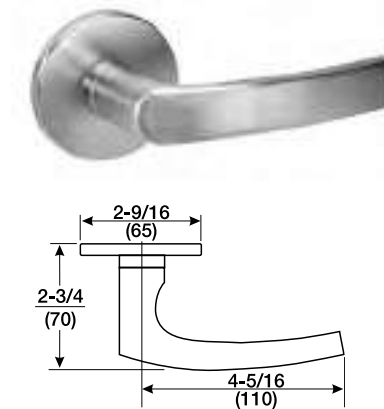
JN Lever Handle:	Cast
CO Rose ¹ :	Stamped
Cylinder Collar:	See pages 32-33

1. Available with Reflections® roses. See page 11 for options.



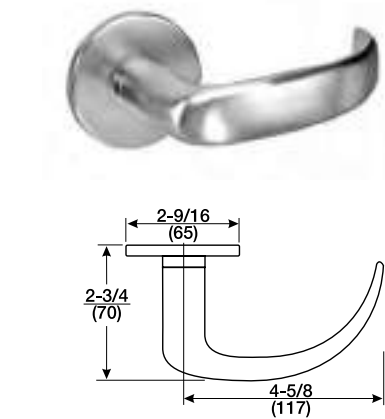
Monroe - MOR

MO Lever Handle:	Cast
CO Rose ¹ :	Stamped
Cylinder Collar:	See pages 32-33



Pacific Beach - PBR

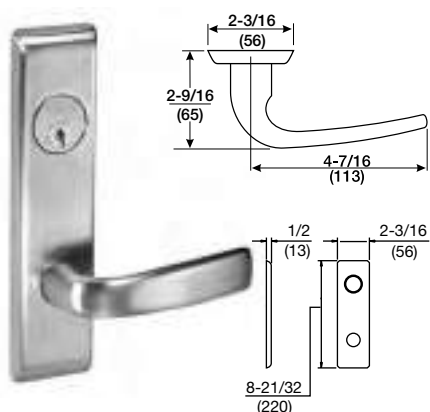
PB Lever Handle:	Cast
CO Rose ¹ :	Stamped
Cylinder Collar:	See pages 32-33



Jefferson - JN x CN

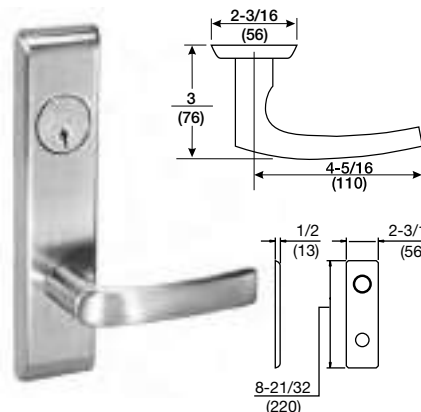
JN Lever Handle:	Cast
CN Escutcheon ² :	Cast
Cylinder Collar:	See pages 34-37

2. Available with Reflections® escutcheons. See page 11 for options.



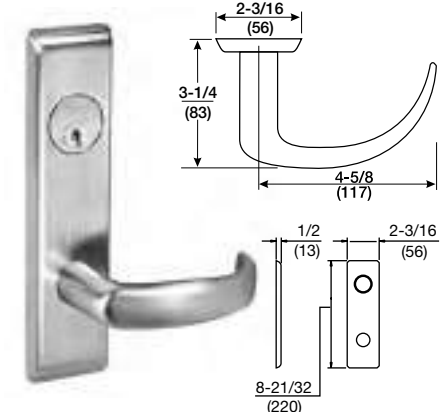
Monroe - MO x CN

MO Lever Handle:	Cast
CN Escutcheon ² :	Cast
Cylinder Collar:	See pages 34-37



Pacific Beach - PB x CN

PB Lever Handle:	Cast
CN Escutcheon ² :	Cast
Cylinder Collar:	See pages 34-37





8800RL Reflections® decorative trim



introduction

Yale® 8800RL mortise locks are available with *Reflections* lever trim, a comprehensive line of highly stylized lever handles. *Reflections* lever handles are made from solid brass or stainless steel and can withstand years of abuse. Available in a multitude of finishes, the levers complement any wood grain or other door exterior. Each lever is hand-polished and specially designed for ergonomics and style.

features

- All 8800RL series lever trims feature through-bolted installation. For sectional trims, this ensures positive alignment of the trim with the lock case.
- All outside trim is held in place by threaded posts. For sectional trims, the posts fit through holes in the lock case and are secured by through-bolts from the inside trim. For escutcheon trims, the posts fit through the door and are secured by through-bolts from the inside trim.
- Outside escutcheon trims have no visible screws - a great deterrent to vandalism.
- 8800RL mortise locks feature an internal heavy-duty spring cartridge which prevents lever sag.
- All 8800RL trims are UL listed for fire door applications.
- Available for 1-3/4" to 3-1/4" thick doors.
- Lever, rose, and escutcheon designs are available as shown on page 11. Levers are also available for use with standard CO rose* and/or CN escutcheon as shown on pages 6-8.

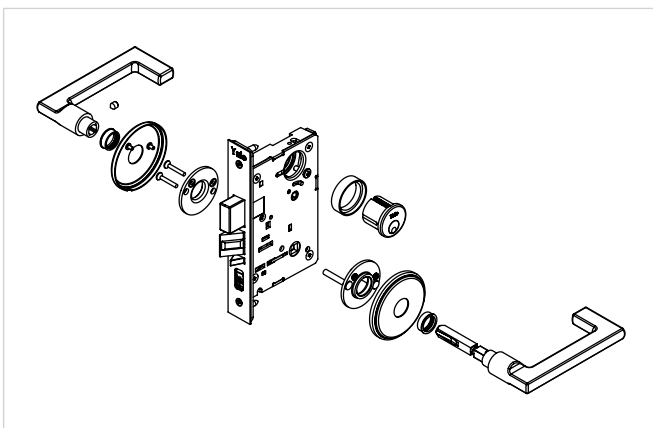
finishes

ANSI/BHMA Code	Finish Description	US Code
605	Bright Brass, Clear Coated	US3
606	Satin Brass, Clear Coated	US4
611	Bright Bronze, Clear Coated	US9
612	Satin Bronze, Clear Coated	US10
613	Dark Oxidized Satin Bronze, Oil Rubbed ²	US10B
613E	Dark Oxidized Satin Bronze - equivalent	US10BE
N/A	Dark Oxidized Satin Bronze, Clear Coated ¹	US10BL
N/A	Statuary Dark Bronze, Clear Coated ¹	US20D
618	Bright Nickel Plated, Clear Coated	US14
619	Satin Nickel Plated, Clear Coated	US15
625	Bright Chrome Plated	US26
626	Satin Chrome Plated 	US26D
629	Bright Stainless Steel	US32
630	Satin Stainless Steel 	US32D
722	Black Oxidized Bronze, Oil Rubbed ³	

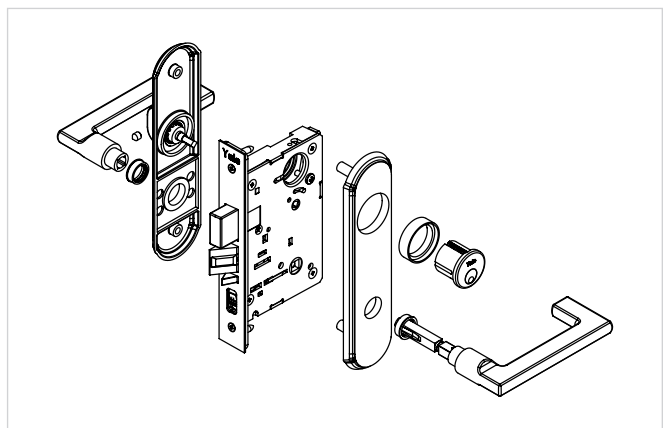
1. Yale finishes are designated by ANSI/BHMA codes. There is no equivalent designation and request will be processed by special order.
2. New May 1, 2010
3. Formerly 613 prior to May 1, 2010

 **MicroShield® antimicrobial coating available as special application. Contact factory for availability.**

sectional lever installation

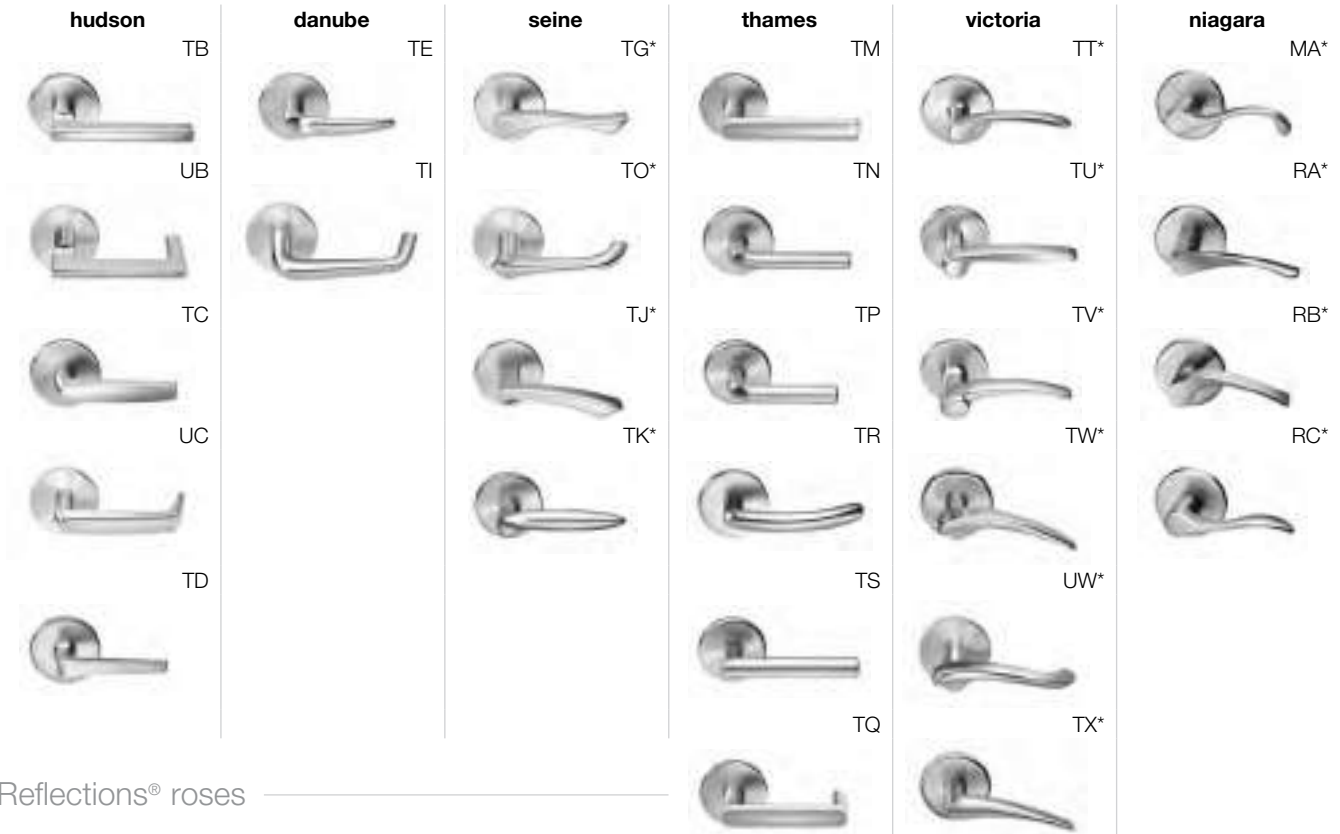


escutcheon lever installation

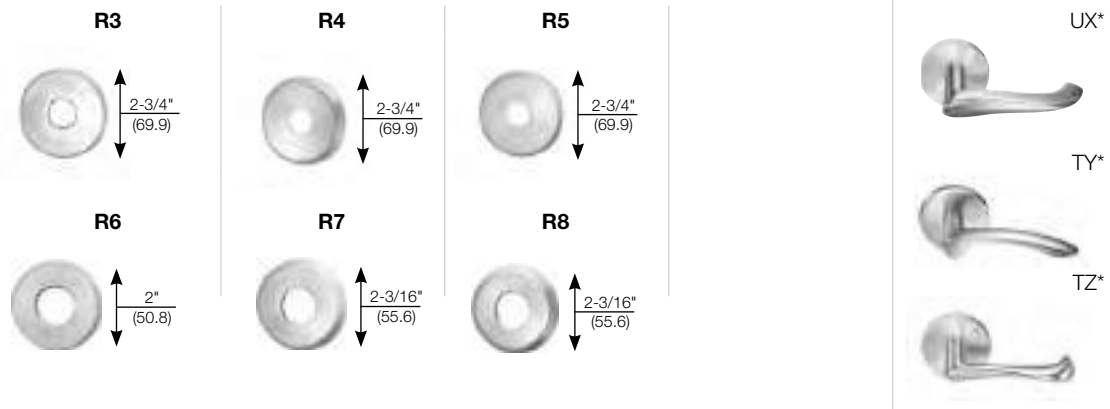


*When using *Reflections* Levers with the CO rose, the rose adaptor is not used. Levers will not install and/or properly operate if rose adaptor is included.

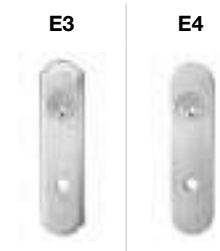
Reflections® trim



Reflections® roses



Reflections® escutcheons



*Indicates levers that are handed.

Note: Reflections levers are also available for use with CO rose and/or CN escutcheon.

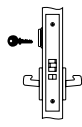
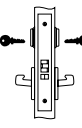
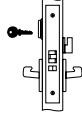
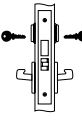


mechanical functions and descriptions

Mechanical Functions (ANSI)	Description / Model Numbers	Armor Front Part Number	*Cylinder	*Cam	Escutcheon Plate Spacing Numbers		Spindles		Illustration																								
					Outside	Inside	Knobs	Levers (Std.)																									
8801 Passage or closet latch (F01)	<ul style="list-style-type: none"> For doors that do not require locking. Latchbolt retracted by knob/lever either side at all times. <table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th rowspan="2">Latchbolt Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8801</td> <td>8801FL</td> <td>3/4"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8801FL</td> <td>3/4"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8801RL</td> <td>3/4"</td> </tr> </tbody> </table>	Trim	Model Numbers		Latchbolt Throw	Knobs	Levers	Standard	8801	8801FL	3/4"	SL	—	SL8801FL	3/4"	Reflections®	—	8801RL	3/4"	50-8801-x219-FIN	—	—	201	201	1178L	1178L							
	Trim		Model Numbers			Latchbolt Throw																											
		Knobs	Levers																														
	Standard	8801	8801FL	3/4"																													
SL	—	SL8801FL	3/4"																														
Reflections®	—	8801RL	3/4"																														
8802 Privacy, bedroom or bath lock (F19)	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever either side. Deadbolt operated by thumbturn inside. When the deadbolt is projected, outside knob/lever is automatically locked. Anti-panic operation. Operating inside knob/lever retracts the latchbolt and deadbolt simultaneously, automatically unlocking outside knob/lever. In emergency, deadbolt may be unlocked from outside by E203 emergency key, supplied. <table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Deadbolt</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8802</td> <td>8802FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8802FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8802RL</td> <td>3/4"</td> <td>1"</td> </tr> </tbody> </table>	Trim	Model Numbers		Throw		Knobs	Levers	Latchbolt	Deadbolt	Standard	8802	8802FL	3/4"	1"	SL	—	SL8802FL	3/4"	1"	Reflections®	—	8802RL	3/4"	1"	50-8802-x219-FIN	—	—	211 <small>(261 for Occupancy Indicator)</small>	211	1178L	1178L	
	Trim		Model Numbers		Throw																												
		Knobs	Levers	Latchbolt	Deadbolt																												
	Standard	8802	8802FL	3/4"	1"																												
SL	—	SL8802FL	3/4"	1"																													
Reflections®	—	8802RL	3/4"	1"																													
8805 Storeroom or closet lock (F07)	<ul style="list-style-type: none"> For use on storeroom, utility, exit doors. Latchbolt retracted by key outside, knob/lever inside. Outside knob/lever rigid at all times. Inside knob/lever always active. Deadlocking latchbolt. <table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th rowspan="2">Latchbolt Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8805</td> <td>8805FL</td> <td>3/4"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8805FL</td> <td>3/4"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8805RL</td> <td>3/4"</td> </tr> </tbody> </table>	Trim	Model Numbers		Latchbolt Throw	Knobs	Levers	Standard	8805	8805FL	3/4"	SL	—	SL8805FL	3/4"	Reflections®	—	8805RL	3/4"	50-8805-x219-FIN	2153	2160	208	201	1178L	1178L							
	Trim		Model Numbers			Latchbolt Throw																											
		Knobs	Levers																														
	Standard	8805	8805FL	3/4"																													
SL	—	SL8805FL	3/4"																														
Reflections®	—	8805RL	3/4"																														
8807 Entry lock (F04)	<ul style="list-style-type: none"> For office doors where locking is required. Latchbolt retracted by knob/lever either side, except when outside knob/lever is locked by stopwork activator. When outside knob/lever is locked, latchbolt is operated by key outside and knob/lever inside. Deadlocking latchbolt. <table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th rowspan="2">Latchbolt Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8807</td> <td>8807FL</td> <td>3/4"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8807FL</td> <td>3/4"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8807RL</td> <td>3/4"</td> </tr> </tbody> </table>	Trim	Model Numbers		Latchbolt Throw	Knobs	Levers	Standard	8807	8807FL	3/4"	SL	—	SL8807FL	3/4"	Reflections®	—	8807RL	3/4"	50-8807-x219-FIN	2153	2160	208	201	1178L	1178L							
	Trim		Model Numbers			Latchbolt Throw																											
		Knobs	Levers																														
	Standard	8807	8807FL	3/4"																													
SL	—	SL8807FL	3/4"																														
Reflections®	—	8807RL	3/4"																														

*Standard cylinder and cam indicated. For optional cylinders, see pages 28-30.

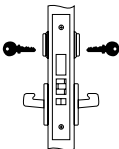
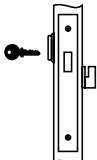
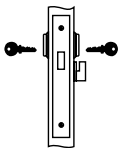
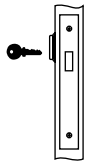
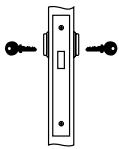
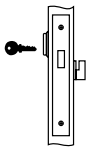
mechanical functions and descriptions

Mechanical Functions (ANSI)	Description / Model Numbers	Armor Front Part Number	*Cylinder	*Cam	Escutcheon Plate Spacing Numbers		Spindles		Illustration																									
					Outside	Inside	Knobs	Levers (Std.)																										
8808 Classroom lock (F05)	<ul style="list-style-type: none"> For classroom, office, or utility room doors. Latchbolt retracted by knob/lever either side, except when outside knob/lever is locked by key outside. Inside knob/lever always active. Deadlocking latchbolt. 	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th rowspan="2">Latchbolt Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8808</td> <td>8808FL</td> <td>3/4"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8808FL</td> <td>3/4"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8808RL</td> <td>3/4"</td> </tr> </tbody> </table>	Trim	Model Numbers		Latchbolt Throw	Knobs	Levers	Standard	8808	8808FL	3/4"	SL	—	SL8808FL	3/4"	Reflections®	—	8808RL	3/4"	50-8805-x219-FIN	2153	2160	208	201	1178L	1178L							
	Trim			Model Numbers			Latchbolt Throw																											
			Knobs	Levers																														
	Standard		8808	8808FL	3/4"																													
SL	—	SL8808FL	3/4"																															
Reflections®	—	8808RL	3/4"																															
8808-2 Intruder latchbolt lock (F32)	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever either side unless outside knob/lever is locked by key. Either cylinder locks or unlocks outside knob/lever. Latchbolt can be retracted by key when outside knob/lever is locked. Operating inside knob/lever retracts latchbolt, but outside knob/lever remains locked. Deadlocking latchbolt. 	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th rowspan="2">Latchbolt Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8808-2</td> <td>8808-2FL</td> <td>3/4"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8808-2FL</td> <td>3/4"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8808-2RL</td> <td>3/4"</td> </tr> </tbody> </table>	Trim	Model Numbers		Latchbolt Throw	Knobs	Levers	Standard	8808-2	8808-2FL	3/4"	SL	—	SL8808-2FL	3/4"	Reflections®	—	8808-2RL	3/4"	50-8805-x219-FIN	2153 (both sides)	2160	208	208	1178L	1178L							
	Trim			Model Numbers			Latchbolt Throw																											
			Knobs	Levers																														
Standard	8808-2	8808-2FL	3/4"																															
SL	—	SL8808-2FL	3/4"																															
Reflections®	—	8808-2RL	3/4"																															
8809 Classroom or office lock	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever either side unless outside knob/lever is locked by key outside or thumbturn inside. Latchbolt retracted by thumbturn inside or key outside. Inside knob/lever always active. Deadlocking latchbolt. 	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th rowspan="2">Latchbolt Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8809</td> <td>8809FL</td> <td>3/4"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8809FL</td> <td>3/4"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8809RL</td> <td>3/4"</td> </tr> </tbody> </table>	Trim	Model Numbers		Latchbolt Throw	Knobs	Levers	Standard	8809	8809FL	3/4"	SL	—	SL8809FL	3/4"	Reflections®	—	8809RL	3/4"	50-8805-x219-FIN	2153	2160	208	211	1178L	1178L							
	Trim			Model Numbers			Latchbolt Throw																											
			Knobs	Levers																														
Standard	8809	8809FL	3/4"																															
SL	—	SL8809FL	3/4"																															
Reflections®	—	8809RL	3/4"																															
8811-2 Intruder deadbolt lock (F33)	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever either side unless outside knob/lever is locked by key. Deadbolt operated by key either side. When deadbolt is projected, outside knob/lever is automatically locked. Key retraction of deadbolt unlocks outside knob/lever. Anti-panic operation. Operating inside knob/lever retracts the latchbolt and deadbolt simultaneously, automatically unlocking outside knob/lever. 	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Deadbolt</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8811-2</td> <td>8811-2FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8811-2FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8811-2RL</td> <td>3/4"</td> <td>1"</td> </tr> </tbody> </table>	Trim	Model Numbers		Throw		Knobs	Levers	Latchbolt	Deadbolt	Standard	8811-2	8811-2FL	3/4"	1"	SL	—	SL8811-2FL	3/4"	1"	Reflections®	—	8811-2RL	3/4"	1"	50-8802-x219-FIN	2153 (both sides)	2160	208	208	1178L	1178L	
	Trim			Model Numbers		Throw																												
			Knobs	Levers	Latchbolt	Deadbolt																												
Standard	8811-2	8811-2FL	3/4"	1"																														
SL	—	SL8811-2FL	3/4"	1"																														
Reflections®	—	8811-2RL	3/4"	1"																														

*Standard cylinder and cam indicated. For optional cylinders, see pages 28-30.

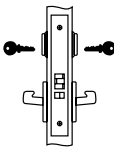
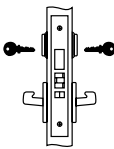
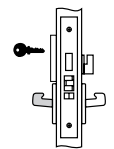
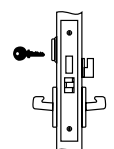


mechanical functions and descriptions

Mechanical Functions (ANSI)	Description / Model Numbers	Armor Front Part Number	*Cylinder	*Cam	Escutcheon Plate Spacing Numbers		Spindles		Illustration																								
					Outside	Inside	Knobs	Levers (Std.)																									
8812-2 Intruder deadbolt lock (F34)	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever either side unless outside knob/lever is locked by key. Deadbolt operated by key either side. When deadbolt is projected, outside knob/lever is automatically locked. Key retraction of deadbolt unlocks outside knob/lever. Anti-panic operation. Operating inside knob/lever retracts the latchbolt and deadbolt simultaneously, automatically unlocking outside knob/lever. Deadlocking latchbolt. 	50-8820-x219-FIN	2153 (both sides)	2160	208	208	1178L	1178L																									
	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Deadbolt</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8812-2</td> <td>8812-2FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8812-2FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8812-2RL</td> <td>3/4"</td> <td>1"</td> </tr> </tbody> </table>									Trim	Model Numbers		Throw		Knobs	Levers	Latchbolt	Deadbolt	Standard	8812-2	8812-2FL	3/4"	1"	SL	—	SL8812-2FL	3/4"	1"	Reflections®	—	8812-2RL	3/4"	1"
	Trim										Model Numbers		Throw																				
										Knobs	Levers	Latchbolt	Deadbolt																				
Standard	8812-2	8812-2FL	3/4"	1"																													
SL	—	SL8812-2FL	3/4"	1"																													
Reflections®	—	8812-2RL	3/4"	1"																													
8813ST Classroom deadlock (F29)	<ul style="list-style-type: none"> Deadbolt operated by key outside, thumbturn inside. Thumbturn inside will retract the deadbolt but will not project it. NOT UL listed. 	50-8813-x219-FIN	2153	2160	250	251	—	—																									
	<table border="1"> <thead> <tr> <th>Model Number</th> <th>Deadbolt Throw</th> </tr> </thead> <tbody> <tr> <td>8813ST</td> <td>1"</td> </tr> </tbody> </table>									Model Number	Deadbolt Throw	8813ST	1"																				
Model Number	Deadbolt Throw																																
8813ST	1"																																
8813ST-2 Classroom deadlock	<ul style="list-style-type: none"> Deadbolt operated by key either side. Thumbturn inside will retract the deadbolt but will not project it. NOT UL listed. 	50-8813-x219-FIN	2153 (both sides)	2160	250	252	—	—																									
	<table border="1"> <thead> <tr> <th>Model Number</th> <th>Deadbolt Throw</th> </tr> </thead> <tbody> <tr> <td>8813ST-2</td> <td>1"</td> </tr> </tbody> </table>									Model Number	Deadbolt Throw	8813ST-2	1"																				
Model Number	Deadbolt Throw																																
8813ST-2	1"																																
8814 Deadlock (F18)	<ul style="list-style-type: none"> Deadbolt operated by key outside only. No inside operation. NOT UL listed. 	50-8813-x219-FIN	2153	2160	250	—	—	—																									
	<table border="1"> <thead> <tr> <th>Model Number</th> <th>Deadbolt Throw</th> </tr> </thead> <tbody> <tr> <td>8814</td> <td>1"</td> </tr> </tbody> </table>									Model Number	Deadbolt Throw	8814	1"																				
Model Number	Deadbolt Throw																																
8814	1"																																
8814-2 Deadlock (F16)	<ul style="list-style-type: none"> Deadbolt operated by key either side. NOT UL listed. Note: Use only on rooms with more than one exit.	50-8813-x219-FIN	2153 (both sides)	2160	250	250	—	—																									
	<table border="1"> <thead> <tr> <th>Model Number</th> <th>Deadbolt Throw</th> </tr> </thead> <tbody> <tr> <td>8814-2</td> <td>1"</td> </tr> </tbody> </table>									Model Number	Deadbolt Throw	8814-2	1"																				
Model Number	Deadbolt Throw																																
8814-2	1"																																
8815 Deadlock (F17)	<ul style="list-style-type: none"> Deadbolt operated by key outside, thumbturn inside. NOT UL listed. 	50-8813-x219-FIN	2153	2160	250	251	—	—																									
	<table border="1"> <thead> <tr> <th>Model Number</th> <th>Deadbolt Throw</th> </tr> </thead> <tbody> <tr> <td>8815</td> <td>1"</td> </tr> </tbody> </table>									Model Number	Deadbolt Throw	8815	1"																				
Model Number	Deadbolt Throw																																
8815	1"																																

*Standard cylinder and cam indicated. For optional cylinders, see pages 28-30.

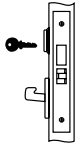
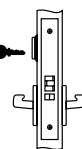
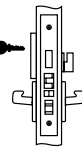
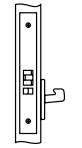
mechanical functions and descriptions

Mechanical Functions (ANSI)	Description / Model Numbers	Armor Front Part Number	*Cylinder		*Cam		Escutcheon Plate Spacing Numbers		Spindles		Illustration																								
			Outside	Inside	Outside	Inside	Outside	Inside	Knobs	Levers (Std.)																									
8817-2 Apartment, exit or public toilet lock (F09)	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever either side, except when outside knob/lever is locked by key inside. When outside knob/lever is locked, latchbolt is operated by key outside and knob/lever inside. Deadlocking latchbolt. 	50-8805-x219-FIN	2153	2153S	2160	2130	208	208	1178L	1178L																									
	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Latchbolt Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Throw</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8817-2</td> <td>8817-2FL</td> <td>3/4"</td> <td>3/4"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8817-2FL</td> <td>3/4"</td> <td>3/4"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8817-2RL</td> <td>3/4"</td> <td>3/4"</td> </tr> </tbody> </table>											Trim	Model Numbers		Latchbolt Throw		Knobs	Levers	Latchbolt	Throw	Standard	8817-2	8817-2FL	3/4"	3/4"	SL	—	SL8817-2FL	3/4"	3/4"	Reflections®	—	8817-2RL	3/4"	3/4"
	Trim												Model Numbers		Latchbolt Throw																				
												Knobs	Levers	Latchbolt	Throw																				
Standard	8817-2	8817-2FL	3/4"	3/4"																															
SL	—	SL8817-2FL	3/4"	3/4"																															
Reflections®	—	8817-2RL	3/4"	3/4"																															
8818-2 Classroom security intruder lock	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever unless outside knob/lever is locked by key. Deadbolt operated by key either side. When deadbolt is projected, outside knob/lever is automatically locked. Key retraction of latchbolt by either side unlocks outside knob/lever. Anti-panic operation. Operating inside knob/lever retracts the latchbolt and deadbolt simultaneously, with outside knob/lever remaining locked. Deadlocking latchbolt. 	50-8820-x219-FIN	2153 (both sides)		2160		208	208	1178L	1178L																									
	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Deadbolt</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8818-2</td> <td>8818-2FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8818-2FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8818-2RL</td> <td>3/4"</td> <td>1"</td> </tr> </tbody> </table>											Trim	Model Numbers		Throw		Knobs	Levers	Latchbolt	Deadbolt	Standard	8818-2	8818-2FL	3/4"	1"	SL	—	SL8818-2FL	3/4"	1"	Reflections®	—	8818-2RL	3/4"	1"
	Trim												Model Numbers		Throw																				
												Knobs	Levers	Latchbolt	Deadbolt																				
Standard	8818-2	8818-2FL	3/4"	1"																															
SL	—	SL8818-2FL	3/4"	1"																															
Reflections®	—	8818-2RL	3/4"	1"																															
8820 Hotel guest lock (F15)	<ul style="list-style-type: none"> Latchbolt retracted by key outside, knob/lever inside. Latchbolt retracted by master keys and change keys only when deadbolt is NOT projected. Deadbolt operated by emergency/shut-out or display key outside and thumbturn inside. When deadbolt is projected, the occupancy indicator shows "OCC" (indicating room is occupied). Access from outside can be gained only with an emergency/shut-out or display key. Outside knob/lever rigid at all times. Anti-panic operation. Operating inside knob/lever retracts the latchbolt and deadbolt simultaneously. Deadlocking latchbolt. Master key system must be 7-pin. 	50-8820-x219-FIN	2719		2160		260	211	1178L	1178L																									
	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Latchbolt Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Throw</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8820</td> <td>8820FL</td> <td>3/4"</td> <td>3/4"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8820FL</td> <td>3/4"</td> <td>3/4"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8820RL</td> <td>3/4"</td> <td>3/4"</td> </tr> </tbody> </table>											Trim	Model Numbers		Latchbolt Throw		Knobs	Levers	Latchbolt	Throw	Standard	8820	8820FL	3/4"	3/4"	SL	—	SL8820FL	3/4"	3/4"	Reflections®	—	8820RL	3/4"	3/4"
	Trim												Model Numbers		Latchbolt Throw																				
												Knobs	Levers	Latchbolt	Throw																				
Standard	8820	8820FL	3/4"	3/4"																															
SL	—	SL8820FL	3/4"	3/4"																															
Reflections®	—	8820RL	3/4"	3/4"																															
8822 Dormitory or exit lock (F13)	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever either side. Deadbolt operated by key outside and thumbturn inside. When the deadbolt is projected, outside knob/lever is automatically locked. Anti-panic operation. Operating inside knob/lever retracts the latchbolt and deadbolt simultaneously, automatically unlocking outside knob/lever. 	50-8802-x219-FIN	2153		2160		208	211	1178L	1178L																									
	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Deadbolt</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8822</td> <td>8822FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8822FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8822RL</td> <td>3/4"</td> <td>1"</td> </tr> </tbody> </table>											Trim	Model Numbers		Throw		Knobs	Levers	Latchbolt	Deadbolt	Standard	8822	8822FL	3/4"	1"	SL	—	SL8822FL	3/4"	1"	Reflections®	—	8822RL	3/4"	1"
	Trim												Model Numbers		Throw																				
												Knobs	Levers	Latchbolt	Deadbolt																				
Standard	8822	8822FL	3/4"	1"																															
SL	—	SL8822FL	3/4"	1"																															
Reflections®	—	8822RL	3/4"	1"																															

*Standard cylinder and cam indicated. For optional cylinders, see pages 28-30.

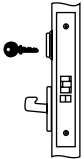
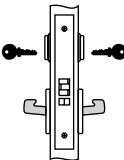
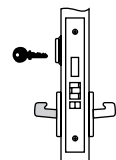
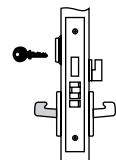


mechanical functions and descriptions

Mechanical Functions (ANSI)	Description / Model Numbers	Armor Front Part Number	*Cylinder	*Cam	Escutcheon Plate Spacing Numbers		Spindles		Illustration																								
					Outside	Inside	Knobs	Levers (Std.)																									
8823 Storeroom lock	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever outside. Deadbolt operated by key outside. When deadbolt is projected, outside knob/lever is automatically locked. No inside knob/lever or cylinder. 	50-8802-x219-FIN	2153	2160	208	—	F1198	F1198																									
	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Deadbolt</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8823</td> <td>8823FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8823FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8823RL</td> <td>3/4"</td> <td>1"</td> </tr> </tbody> </table>									Trim	Model Numbers		Throw		Knobs	Levers	Latchbolt	Deadbolt	Standard	8823	8823FL	3/4"	1"	SL	—	SL8823FL	3/4"	1"	Reflections®	—	8823RL	3/4"	1"
	Trim										Model Numbers		Throw																				
										Knobs	Levers	Latchbolt	Deadbolt																				
Standard	8823	8823FL	3/4"	1"																													
SL	—	SL8823FL	3/4"	1"																													
Reflections®	—	8823RL	3/4"	1"																													
<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Latchbolt Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Throw</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8824</td> <td>8824FL</td> <td>3/4"</td> <td></td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8824FL</td> <td>3/4"</td> <td></td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8824RL</td> <td>3/4"</td> <td></td> </tr> </tbody> </table>	Trim	Model Numbers		Latchbolt Throw		Knobs	Levers	Latchbolt	Throw	Standard	8824	8824FL	3/4"		SL	—	SL8824FL	3/4"		Reflections®	—	8824RL	3/4"										
Trim		Model Numbers		Latchbolt Throw																													
	Knobs	Levers	Latchbolt	Throw																													
Standard	8824	8824FL	3/4"																														
SL	—	SL8824FL	3/4"																														
Reflections®	—	8824RL	3/4"																														
<ul style="list-style-type: none"> For classroom, office, or utility room doors. Latchbolt retracted by knob/lever either side, except when outside knob/lever is locked by key outside. Latchbolt can be held in retracted position by outside cylinder. Inside knob/lever always active. Deadlocking latchbolt. NOT UL listed. 	50-8805-x219-FIN	2153	2160	208	211	1178L	1178L																										
<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Latchbolt Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Throw</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8824</td> <td>8824FL</td> <td>3/4"</td> <td></td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8824FL</td> <td>3/4"</td> <td></td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8824RL</td> <td>3/4"</td> <td></td> </tr> </tbody> </table>									Trim	Model Numbers		Latchbolt Throw		Knobs	Levers	Latchbolt	Throw	Standard	8824	8824FL	3/4"		SL	—	SL8824FL	3/4"		Reflections®	—	8824RL	3/4"		
Trim										Model Numbers		Latchbolt Throw																					
									Knobs	Levers	Latchbolt	Throw																					
Standard	8824	8824FL	3/4"																														
SL	—	SL8824FL	3/4"																														
Reflections®	—	8824RL	3/4"																														
<ul style="list-style-type: none"> Latchbolt retracted by knob/lever either side, except when outside knob/lever is independently locked by stopwork activator or automatically locked when the deadbolt is projected. Latchbolt retracted by master keys and change keys only when deadbolt is NOT projected. Deadbolt operated by emergency/shut-out or display key outside and thumbturn inside. When deadbolt is projected, the occupancy indicator shows "OCC" (indicating room is occupied). Access from outside can be gained only with an emergency/shut-out or display key. Anti-panic operation. Operating inside knob/lever automatically retracts latchbolt and deadbolt with outside knob/lever remaining locked. Deadlocking latchbolt. Master key system must be 7-pin. Function only available with CO, R6, R7, R8 roses or CN escutcheon. 	50-8847-x219-FIN	2719	2160	260	211	1178L	1178L																										
<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Deadbolt</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8827</td> <td>8827FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8827FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8827RL</td> <td>3/4"</td> <td>1"</td> </tr> </tbody> </table>									Trim	Model Numbers		Throw		Knobs	Levers	Latchbolt	Deadbolt	Standard	8827	8827FL	3/4"	1"	SL	—	SL8827FL	3/4"	1"	Reflections®	—	8827RL	3/4"	1"	
Trim										Model Numbers		Throw																					
									Knobs	Levers	Latchbolt	Deadbolt																					
Standard	8827	8827FL	3/4"	1"																													
SL	—	SL8827FL	3/4"	1"																													
Reflections®	—	8827RL	3/4"	1"																													
<ul style="list-style-type: none"> For twin communicating or exit doors where one-sided operation is required. Latchbolt retracted by knob/lever inside at all times. No outside operations. Deadlocking latchbolt. 	50-8805-x219-FIN	—	—	—	201	F1198	F1198																										
<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Latchbolt Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Throw</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8828</td> <td>8828FL</td> <td>3/4"</td> <td></td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8828FL</td> <td>3/4"</td> <td></td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8828RL</td> <td>3/4"</td> <td></td> </tr> </tbody> </table>									Trim	Model Numbers		Latchbolt Throw		Knobs	Levers	Latchbolt	Throw	Standard	8828	8828FL	3/4"		SL	—	SL8828FL	3/4"		Reflections®	—	8828RL	3/4"		
Trim										Model Numbers		Latchbolt Throw																					
									Knobs	Levers	Latchbolt	Throw																					
Standard	8828	8828FL	3/4"																														
SL	—	SL8828FL	3/4"																														
Reflections®	—	8828RL	3/4"																														

*Standard cylinder and cam indicated. For optional cylinders, see pages 28-30.

mechanical functions and descriptions

Mechanical Functions (ANSI)	Description / Model Numbers	Armor Front Part Number	*Cylinder	*Cam	Escutcheon Plate Spacing Numbers		Spindles		Illustration																								
					Outside	Inside	Knobs	Levers (Std.)																									
8829 Closet lock	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever outside. Outside cylinder locks or unlocks outside knob/lever. No inside knob/lever or cylinder. Deadlocking latchbolt. 	50-8805-x219-FIN	2153	2160	208	—	F1198	F1198																									
	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th rowspan="2">Latchbolt Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8829</td> <td>8829FL</td> <td>3/4"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8829FL</td> <td>3/4"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8829RL</td> <td>3/4"</td> </tr> </tbody> </table>									Trim	Model Numbers		Latchbolt Throw	Knobs	Levers	Standard	8829	8829FL	3/4"	SL	—	SL8829FL	3/4"	Reflections®	—	8829RL	3/4"						
	Trim										Model Numbers			Latchbolt Throw																			
										Knobs	Levers																						
Standard	8829	8829FL	3/4"																														
SL	—	SL8829FL	3/4"																														
Reflections®	—	8829RL	3/4"																														
8830-2 Asylum or institutional lock (F30)	<ul style="list-style-type: none"> Latchbolt retracted by key both sides. Rigid knob/lever both sides for use as pulls only. Deadlocking latchbolt. 	50-8805-x219-FIN	2153 (both sides)	2160	208	208	1173L	1173L																									
	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Deadbolt</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8830-2</td> <td>8830-2FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8830-2FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8830-2RL</td> <td>3/4"</td> <td>1"</td> </tr> </tbody> </table>									Trim	Model Numbers		Throw		Knobs	Levers	Latchbolt	Deadbolt	Standard	8830-2	8830-2FL	3/4"	1"	SL	—	SL8830-2FL	3/4"	1"	Reflections®	—	8830-2RL	3/4"	1"
	Trim										Model Numbers		Throw																				
										Knobs	Levers	Latchbolt	Deadbolt																				
Standard	8830-2	8830-2FL	3/4"	1"																													
SL	—	SL8830-2FL	3/4"	1"																													
Reflections®	—	8830-2RL	3/4"	1"																													
8831 Detention lock	<ul style="list-style-type: none"> Latchbolt retracted by key outside, knob/lever inside. Latchbolt retracted by master keys and change keys only when deadbolt is NOT projected. Deadbolt operated by emergency (guards) key only outside. Inside knob/lever only opens door when deadbolt is in retracted position. Outside knob/lever rigid at all times. Deadlocking latchbolt. Trim mounted with fasteners outside. Furnished standard with TORX® security screws. Master key system must be 7-pin. 	50-8820-x219-FIN	2719	2160	201	208	1178L	1178L																									
	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Deadbolt</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8831</td> <td>—</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8831FL</td> <td>3/4"</td> <td>1"</td> </tr> </tbody> </table>									Trim	Model Numbers		Throw		Knobs	Levers	Latchbolt	Deadbolt	Standard	8831	—	3/4"	1"	SL	—	SL8831FL	3/4"	1"					
	Trim										Model Numbers		Throw																				
										Knobs	Levers	Latchbolt	Deadbolt																				
Standard	8831	—	3/4"	1"																													
SL	—	SL8831FL	3/4"	1"																													
8832 Hotel/motel lock	<ul style="list-style-type: none"> Latchbolt retracted by key outside, knob/lever inside. Latchbolt retracted by master keys and change keys only when deadbolt is NOT projected. Deadbolt operated by emergency/shut-out or display key only outside and thumbturn inside. Outside knob/lever rigid at all times. Anti-panic operation. Operating inside knob/lever retracts the latchbolt and deadbolt simultaneously. Deadlocking latchbolt. Master key system must be 7-pin. 	50-8820-x219-FIN	2719	2160	208	211	1178L	1178L																									
	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Deadbolt</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8832</td> <td>8832FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8832FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8832RL</td> <td>3/4"</td> <td>1"</td> </tr> </tbody> </table>									Trim	Model Numbers		Throw		Knobs	Levers	Latchbolt	Deadbolt	Standard	8832	8832FL	3/4"	1"	SL	—	SL8832FL	3/4"	1"	Reflections®	—	8832RL	3/4"	1"
	Trim										Model Numbers		Throw																				
										Knobs	Levers	Latchbolt	Deadbolt																				
Standard	8832	8832FL	3/4"	1"																													
SL	—	SL8832FL	3/4"	1"																													
Reflections®	—	8832RL	3/4"	1"																													

*Standard cylinder and cam indicated. For optional cylinders, see pages 28-30.



mechanical functions and descriptions

Mechanical Functions (ANSI)	Description / Model Numbers	Armor Front Part Number	*Cylinder		*Cam		Escutcheon Plate Spacing Numbers		Spindles		Illustration															
			Outside	Inside	Outside	Inside	Outside	Inside	Knobs	Levers (Std.)																
8833 Exit lock	<ul style="list-style-type: none"> Latchbolt retracted by key outside, knob/lever inside. No knob/lever outside. Deadlocking latchbolt. <table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th rowspan="2">Latchbolt Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8833</td> <td>8833FL</td> <td>3/4"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8833RL</td> <td>3/4"</td> </tr> </tbody> </table>	Trim	Model Numbers		Latchbolt Throw	Knobs	Levers	Standard	8833	8833FL	3/4"	Reflections®	—	8833RL	3/4"	50-8805-x219-FIN		2153		2160		250	201	F1198	F1198	
	Trim		Model Numbers			Latchbolt Throw																				
		Knobs	Levers																							
Standard	8833	8833FL	3/4"																							
Reflections®	—	8833RL	3/4"																							
8833-2 All-purpose lock	<ul style="list-style-type: none"> Latchbolt retracted by key both sides. No knob/lever either side. Deadlocking latchbolt. <table border="1"> <thead> <tr> <th>Model Number</th> <th>Latchbolt Throw</th> </tr> </thead> <tbody> <tr> <td>8833-2</td> <td>3/4"</td> </tr> </tbody> </table>	Model Number	Latchbolt Throw	8833-2	3/4"	50-8805-x219-FIN		2153 (both sides)		2160		250	250	—	—											
	Model Number	Latchbolt Throw																								
8833-2	3/4"																									
8834 All purpose lock	<ul style="list-style-type: none"> Latchbolt retracted by key outside, knob/lever inside. No knob/lever outside. Latchbolt can be held in retracted position by inside thumbturn cylinder. Deadlocking latchbolt. NOT UL listed. <table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th rowspan="2">Latchbolt Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8834</td> <td>8834FL</td> <td>3/4"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8834RL</td> <td>3/4"</td> </tr> </tbody> </table>	Trim	Model Numbers		Latchbolt Throw	Knobs	Levers	Standard	8834	8834FL	3/4"	Reflections®	—	8834RL	3/4"	50-8805-x219-FIN	2153	S2053S	2160	2130	250	208	F1198	F1198		
	Trim		Model Numbers			Latchbolt Throw																				
		Knobs	Levers																							
Standard	8834	8834FL	3/4"																							
Reflections®	—	8834RL	3/4"																							
8834-2 All purpose lock	<ul style="list-style-type: none"> For classroom, office, or utility room doors. Latchbolt retracted by key outside, knob/lever inside. No knob/lever outside. Latchbolt can be held in retracted position by inside cylinder. Deadlocking latchbolt. NOT UL listed. <table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th rowspan="2">Latchbolt Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8834-2</td> <td>8834-2FL</td> <td>3/4"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8834-2RL</td> <td>3/4"</td> </tr> </tbody> </table>	Trim	Model Numbers		Latchbolt Throw	Knobs	Levers	Standard	8834-2	8834-2FL	3/4"	Reflections®	—	8834-2RL	3/4"	50-8805-x219-FIN	2153	2153S	2160	2130	250	208	F1198	F1198		
	Trim		Model Numbers			Latchbolt Throw																				
		Knobs	Levers																							
Standard	8834-2	8834-2FL	3/4"																							
Reflections®	—	8834-2RL	3/4"																							

*Standard cylinder and cam indicated. For optional cylinders, see pages 28-30.



mechanical functions and descriptions

Mechanical Functions (ANSI)	Description / Model Numbers	Armor Front Part Number	*Cylinder	*Cam	Escutcheon Plate Spacing Numbers		Spindles		Illustration																									
					Outside	Inside	Knobs	Levers (Std.)																										
8835 Exit lock	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever inside. Deadbolt operated by thumbturn inside. No outside operations. Anti-panic operation. Operating inside knob/lever retracts the latchbolt and deadbolt simultaneously. Deadlocking latchbolt. 	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Deadbolt</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8835</td> <td>8835FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8835FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8835RL</td> <td>3/4"</td> <td>1"</td> </tr> </tbody> </table>	Trim	Model Numbers		Throw		Knobs	Levers	Latchbolt	Deadbolt	Standard	8835	8835FL	3/4"	1"	SL	—	SL8835FL	3/4"	1"	Reflections®	—	8835RL	3/4"	1"	50-8820-x219-FIN	—	—	—	211	F1198	F1198	
	Trim			Model Numbers		Throw																												
			Knobs	Levers	Latchbolt	Deadbolt																												
	Standard		8835	8835FL	3/4"	1"																												
SL	—	SL8835FL	3/4"	1"																														
Reflections®	—	8835RL	3/4"	1"																														
8840 Storeroom Deadbolt	<ul style="list-style-type: none"> Latchbolt retracted by key outside, knob/lever inside. Deadbolt operated by key outside and thumbturn inside. Outside knob/lever rigid at all times. Anti-panic operation. Operating inside knob/lever retracts the latchbolt and deadbolt simultaneously. Deadlocking latchbolt. 	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Deadbolt</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8840</td> <td>8840FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8840FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8840RL</td> <td>3/4"</td> <td>1"</td> </tr> </tbody> </table>	Trim	Model Numbers		Throw		Knobs	Levers	Latchbolt	Deadbolt	Standard	8840	8840FL	3/4"	1"	SL	—	SL8840FL	3/4"	1"	Reflections®	—	8840RL	3/4"	1"	50-8820-x219-FIN	2153	2160	208	211	1178L	1178L	
	Trim			Model Numbers		Throw																												
			Knobs	Levers	Latchbolt	Deadbolt																												
	Standard		8840	8840FL	3/4"	1"																												
SL	—	SL8840FL	3/4"	1"																														
Reflections®	—	8840RL	3/4"	1"																														
8847 Apartment corridor door lock (F20)	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever either side, except when outside knob/lever is locked by stopwork activator. Deadbolt operated by key outside, thumbturn inside. When outside knob/lever is locked, latchbolt and deadbolt are operated by key outside. When deadbolt is projected, outside knob/lever is automatically locked. Anti-panic operation. Operating inside knob/lever automatically retracts latchbolt and deadbolt with outside knob/lever remaining locked. Deadlocking latchbolt. 	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Deadbolt</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8847</td> <td>8847FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8847FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8847RL</td> <td>3/4"</td> <td>1"</td> </tr> </tbody> </table>	Trim	Model Numbers		Throw		Knobs	Levers	Latchbolt	Deadbolt	Standard	8847	8847FL	3/4"	1"	SL	—	SL8847FL	3/4"	1"	Reflections®	—	8847RL	3/4"	1"	50-8847-x219-FIN	2153	2160	208	211	1178L	1178L	
	Trim			Model Numbers		Throw																												
			Knobs	Levers	Latchbolt	Deadbolt																												
	Standard		8847	8847FL	3/4"	1"																												
SL	—	SL8847FL	3/4"	1"																														
Reflections®	—	8847RL	3/4"	1"																														
8860 Room door lock (F21)	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever either side. Deadbolt operated by key outside, thumbturn inside. 	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Deadbolt</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8860</td> <td>8860FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8860FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8860RL</td> <td>3/4"</td> <td>1"</td> </tr> </tbody> </table>	Trim	Model Numbers		Throw		Knobs	Levers	Latchbolt	Deadbolt	Standard	8860	8860FL	3/4"	1"	SL	—	SL8860FL	3/4"	1"	Reflections®	—	8860RL	3/4"	1"	50-8802-x219-FIN	2153	2160	208	211	1178L	1178L	
	Trim			Model Numbers		Throw																												
			Knobs	Levers	Latchbolt	Deadbolt																												
	Standard		8860	8860FL	3/4"	1"																												
SL	—	SL8860FL	3/4"	1"																														
Reflections®	—	8860RL	3/4"	1"																														
8860-2 Store door lock (F14)	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever either side. Deadbolt operated by key both sides. 	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Deadbolt</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8860-2</td> <td>8860-2FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8860-2FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8860-2RL</td> <td>3/4"</td> <td>1"</td> </tr> </tbody> </table>	Trim	Model Numbers		Throw		Knobs	Levers	Latchbolt	Deadbolt	Standard	8860-2	8860-2FL	3/4"	1"	SL	—	SL8860-2FL	3/4"	1"	Reflections®	—	8860-2RL	3/4"	1"	50-8802-x219-FIN	2153 (both sides)	2160	208	208	1178L	1178L	
	Trim			Model Numbers		Throw																												
			Knobs	Levers	Latchbolt	Deadbolt																												
	Standard		8860-2	8860-2FL	3/4"	1"																												
SL	—	SL8860-2FL	3/4"	1"																														
Reflections®	—	8860-2RL	3/4"	1"																														

*Standard cylinder and cam indicated. For optional cylinders, see pages 28-30.

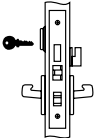








mechanical functions and descriptions

Mechanical Functions (ANSI)	Description / Model Numbers	Armor Front Part Number	*Cylinder	*Cam	Escutcheon Plate Spacing Numbers		Spindles		Illustration																									
					Outside	Inside	Knobs	Levers (Std.)																										
8861 Dormitory or storeroom lock	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever either side. Deadbolt operated by key outside, thumbturn inside. When deadbolt is projected, outside knob/lever is automatically locked. When deadbolt is retracted, outside knob/lever is automatically unlocked. 	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Deadbolt</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8861</td> <td>8861FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8861FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8861RL</td> <td>3/4"</td> <td>1"</td> </tr> </tbody> </table>	Trim	Model Numbers		Throw		Knobs	Levers	Latchbolt	Deadbolt	Standard	8861	8861FL	3/4"	1"	SL	—	SL8861FL	3/4"	1"	Reflections®	—	8861RL	3/4"	1"	50-8802-x219-FIN	2153	2160	208	211	1178L	1178L	
	Trim			Model Numbers		Throw																												
			Knobs	Levers	Latchbolt	Deadbolt																												
	Standard		8861	8861FL	3/4"	1"																												
SL	—	SL8861FL	3/4"	1"																														
Reflections®	—	8861RL	3/4"	1"																														
8862 Privacy, bedroom or bath lock (F22)	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever either side except when outside knob/lever is locked by thumbturn. Operating inside knob/lever retracts the latchbolt, automatically unlocking outside knob/lever. Outside emergency release unlocks outside knob/lever. E203 emergency key supplied. Automatically unlocks when door latches. 	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th>Latchbolt Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th></th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8862</td> <td>8862FL</td> <td>3/4"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8862FL</td> <td>3/4"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8862RL</td> <td>3/4"</td> </tr> </tbody> </table>	Trim	Model Numbers		Latchbolt Throw	Knobs	Levers		Standard	8862	8862FL	3/4"	SL	—	SL8862FL	3/4"	Reflections®	—	8862RL	3/4"	50-8801-x219-FIN	—	—	211	211	1178L	1178L						
	Trim			Model Numbers		Latchbolt Throw																												
			Knobs	Levers																														
Standard	8862	8862FL	3/4"																															
SL	—	SL8862FL	3/4"																															
Reflections®	—	8862RL	3/4"																															
8864 Bathroom lock with indicator	<ul style="list-style-type: none"> Latchbolt retracted by key outside, knob/lever inside. Occupancy indicator operated by thumbturn inside, key outside. When occupancy indicator shows OCC, key outside WILL operate occupancy indicator and retract latchbolt. Outside knob/lever rigid at all times. Inside knob/lever always active. Deadlocking latchbolt. Function only available with CO, R6, R7, R8 roses or CN escutcheon. 	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th>Latchbolt Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th></th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8864</td> <td>8864FL</td> <td>3/4"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8864RL</td> <td>3/4"</td> </tr> </tbody> </table>	Trim	Model Numbers		Latchbolt Throw	Knobs	Levers		Standard	8864	8864FL	3/4"	Reflections®	—	8864RL	3/4"	50-8805-x219-FIN	2153	2160	260	211	1178L	1178L										
	Trim			Model Numbers		Latchbolt Throw																												
			Knobs	Levers																														
Standard	8864	8864FL	3/4"																															
Reflections®	—	8864RL	3/4"																															
8865 Bathroom lock	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever either side except when outside knob/lever is locked by thumbturn either side. Outside thumbturn unlocks outside knob/lever. Automatically unlocks when door latches. Operating inside knob/lever retracts the latchbolt, automatically unlocking outside knob/lever. 	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th>Latchbolt Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th></th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8865</td> <td>8865FL</td> <td>3/4"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8865FL</td> <td>3/4"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8865RL</td> <td>3/4"</td> </tr> </tbody> </table>	Trim	Model Numbers		Latchbolt Throw	Knobs	Levers		Standard	8865	8865FL	3/4"	SL	—	SL8865FL	3/4"	Reflections®	—	8865RL	3/4"	50-8801-x219-FIN	—	—	211	211	1178L	1178L						
	Trim			Model Numbers		Latchbolt Throw																												
			Knobs	Levers																														
	Standard		8865	8865FL	3/4"																													
SL	—	SL8865FL	3/4"																															
Reflections®	—	8865RL	3/4"																															

*Standard cylinder and cam indicated. For optional cylinders, see pages 28-30.

8800 mechanical functions and descriptions

Mechanical Functions (ANSI)	Description / Model Numbers	Armor Front Part Number	*Cylinder	*Cam	Escutcheon Plate Spacing Numbers		Spindles		Illustration																						
					Outside	Inside	Knobs	Levers (Std.)																							
8867 Dormitory or exit lock (F12)	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever either side, except when outside knob/lever is locked by stopwork activator or automatically locked when deadbolt is projected. Deadbolt operated by key outside, thumbturn inside. When outside knob/lever is locked, operating key outside retracts both latchbolt and deadbolt. Anti-panic operation. Operating inside knob/lever retracts the latchbolt and deadbolt simultaneously, with outside knob/lever remaining locked. 	50-8867-x219-FIN	2153	2160	208	211	1178L	1178L																							
	<table border="1"> <thead> <tr> <th rowspan="2">Trim</th> <th colspan="2">Model Numbers</th> <th colspan="2">Throw</th> </tr> <tr> <th>Knobs</th> <th>Levers</th> <th>Latchbolt</th> <th>Deadbolt</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>8867</td> <td>8867FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>SL</td> <td>—</td> <td>SL8867FL</td> <td>3/4"</td> <td>1"</td> </tr> <tr> <td>Reflections®</td> <td>—</td> <td>8867RL</td> <td>3/4"</td> <td>1"</td> </tr> </tbody> </table>	Trim	Model Numbers		Throw		Knobs	Levers		Latchbolt	Deadbolt	Standard	8867	8867FL	3/4"	1"	SL	—	SL8867FL	3/4"	1"	Reflections®	—	8867RL	3/4"	1"					
	Trim		Model Numbers		Throw																										
		Knobs	Levers	Latchbolt	Deadbolt																										
Standard	8867	8867FL	3/4"	1"																											
SL	—	SL8867FL	3/4"	1"																											
Reflections®	—	8867RL	3/4"	1"																											

Mechanical Functions (ANSI)	Description	Model Numbers		Armor Front Part Number	Illustration	Spindles		
		Knobs	Levers			Knobs	Levers (Std.)	
Dummy trim both sides	<ul style="list-style-type: none"> Push and pull only. Knob/lever both sides. Both knob/lever non-operational and rigid at all times. Plain rectangular front used with spindle-bar stabilizer. Available in all sectional and escutcheon trim. 	836A prefixed by design symbol (i.e. LFR836A, CO x CN836A)	838AFL prefixed by design symbol (i.e. JNR838AFL, JN x CN838AFL)	50-0836-2002-FIN		—	—	
Dummy trim both sides	<ul style="list-style-type: none"> Push or pull only. Knob/lever both sides of inactive leaf of a pair of doors. Both knob/lever non-operational and rigid at all times. Available in all sectional and escutcheon trim. 2815 Strike available upon request. 	836B prefixed by design symbol (i.e. COR836B, LF x CN836B)	838BFL prefixed by design symbol (i.e. JNR838BFL, JN x CN838BFL)	—		—	—	
Dummy trim one side	<ul style="list-style-type: none"> Push or pull only. Knob/lever one side. Knob/lever non-operational and rigid at all times. Available in all sectional and escutcheon trim. 	855 prefixed by design symbol (i.e. COR855)	855FL prefixed by design symbol (i.e. CR x CN855FL)	—		—	—	
Active dummy trim	<ul style="list-style-type: none"> Knob/lever both sides. Push or pull only. Primarily for lever handle trim. Knob/lever active to prevent damage. 8871DT – Armor front acts as strike for latchbolt only functions. 8872DT – Armor front acts as strike for latchbolt x deadbolt functions	Model Numbers		Armor Front	Armor Front Part Numbers	Illustration	1173L	1173L
		Knobs	Levers					
		8870DT	8870FLDT	8870RLDT	Plain	50-8870-7020-FIN		
		8871DT	8871FLDT	8871RLDT	Latchbolt Hole	RH = 50-8871-7020-FIN LH = 50-8871-7021-FIN		
8872DT	8872FLDT	8872RLDT	Latchbolt/Deadbolt Hole	RH = 50-8872-7020-FIN LH = 50-8872-7021-FIN				

Handing must be specified when ordering.

*Standard cylinder and cam indicated. For optional cylinders, see pages 28-30.



securex® electrified mortise lockset

applications

Stair tower doors, office doors, classrooms, interlocks, elevator lobby doors, laboratories, computer rooms, cashier stations, hospital equipment rooms and pharmaceutical storage rooms. For narrow frame profiles, consult factory.

trim designs

8800 electrified mortise locksets are available with all knob, lever, SL and Reflections® trims.

ANSI/BHMA

Certified ANSI/BHMA A156.13, Series 1000, Operational Grade 1 (8800FL with CN escutcheon & SL8800 meet Security Grade 1).



electrical specifications

Fail Safe/Fail Secure
Voltage: 12VDC or 24VDC Regulated
Current Draw:
.25A at 24VDC
.5A at 12VDC
Operating Temp.:
Max. 151°F (66°C)
Min. -31°F (-35°C)

All monitoring switches rated at:
2 Amp @ 30 VDC
3 Amp @ 125 VAC

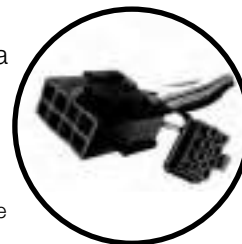
monitoring options

Model Number	Description
REX	Request to Exit - An SPDT switch that monitors activation of the free lever (not available with knob trim). REX is available for all mechanical and electrified functions and can be supplied alone or with either LBM or DBM.
LBM	Latchbolt Monitor - An SPDT switch that monitors full retraction of the latchbolt. LBM is available for all electrified functions and can be supplied alone or with REX.
DBM	Deadbolt Monitor - An SPDT switch that monitors full retraction of the deadbolt. DBM is available for all mechanical and electrified functions with a deadbolt and can be supplied alone or with REX.
ITS	Integrated Total Security - Enhanced security reporting allows facility supervisors to tailor decisions with greater certainty. Monitoring includes Request to Exit (REX), Lock Performance Monitoring (LPM), Concealed Door Position Status (DPS) and Cylinder Monitoring (CX). This monitoring option is available with 8890FL/8891FL or 8890RL/8891RL functions only. Locksets ordered with ITS option must be provided with Yale cylinder. Not available less cylinder. Handing must be specified.

electrolynx®



Yale® electrified 8800 locks are equipped with *ElectroLynx* connectors. As a standard feature, these connectors link power from the incoming source to electrified locking products, including hinges, locks, exit devices, magnetic holders and strikes.



Note: Electrified door hardware with *ElectroLynx* connectors require a compatible number of lead wires attached to the door hinge.

securex® functions and descriptions

fail safe

The following functions are locked when power is on and unlocked when power is off.

Function	# of Cyls	Description	Armor Front Part Number	Cylinders*		Cam(s)	Esc Plate Spacing Number		Spindles	
				Outside	Inside		Outside	Inside	Knobs	Levers
8880	0	<ul style="list-style-type: none"> • Power off – outside lever active • Power on – outside lever locked • Auxiliary latch deadlocks latchbolt • Inside lever always free • No key override 	50-8805-x219-FIN	N/A	N/A	N/A	201	201	1178L	1178L
8884	0	<ul style="list-style-type: none"> • Power off – both levers active • Power on – both levers locked • Auxiliary latch deadlocks latchbolt • No key override 	50-8805-x219-FIN	N/A	N/A	N/A	201	201	1178L	1178L
8890	1	<ul style="list-style-type: none"> • Power off – outside lever active • Power on – outside lever locked • Auxiliary latch deadlocks latchbolt • Inside lever always free • Mechanical key override by outside when locked 	50-8805-x219-FIN	2153	N/A	2160	208	201	1178L	1178L
8894-2	2	<ul style="list-style-type: none"> • Power off – both levers active • Power on – both levers locked • Auxiliary latch deadlocks latchbolt • Mechanical key override by both sides when locked 	50-8805-x219-FIN	2153	2153	2160	208	208	1178L	1178L
8896	1	<ul style="list-style-type: none"> • Power off – outside lever active (even when deadbolt thrown) • Power on – outside lever locked • Auxiliary latch deadlocks latchbolt • Deadbolt projected by key outside, thumbturn inside • Inside lever always free • Mechanical key override by outside when locked 	50-8820-x219-FIN	2153	N/A	2160	208	211	1178L	1178L
8896-2	2	<ul style="list-style-type: none"> • Power off – outside lever active (even when deadbolt thrown) • Power on – outside lever locked • Auxiliary latch deadlocks latchbolt • Deadbolt projected by key both sides • Inside lever always free • Mechanical key override by both sides when locked 	50-8820-x219-FIN	2153	2153	2160	208	208	1178L	1178L
8898	1	<ul style="list-style-type: none"> • Power off – both levers active (even when deadbolt thrown) • Power on – both levers locked • Auxiliary latch deadlocks latchbolt • Deadbolt projected by key outside, thumbturn inside • Mechanical key override by outside when locked 	50-8820-x219-FIN	2153	N/A	2160	208	211	1178L	1178L
8898-2	2	<ul style="list-style-type: none"> • Power off – both levers active (even when deadbolt thrown) • Power on – both levers locked • Auxiliary latch deadlocks latchbolt • Deadbolt projected by key both sides • Mechanical key override by both sides when locked 	50-8820-x219-FIN	2153	2153	2160	208	208	1178L	1178L

*Standard cylinder and cam indicated. For optional cylinders, see pages 28-30.



securex[®] functions and descriptions

fail secure

The following functions are unlocked when the power is on and locked when power is off.

Function	# of Cyls	Description	Armor Front Part Number	Cylinders*		Cam(s)	Esc Plate Spacing Number		Spindles	
				Outside	Inside		Outside	Inside	Knobs	Levers
8881	0	<ul style="list-style-type: none"> • Power off – outside lever locked • Power on – outside lever active • Auxiliary latch deadlocks latchbolt • Inside lever always free • No key override 	50-8805-x219-FIN	N/A	N/A	N/A	201	201	1178L	1178L
8885	0	<ul style="list-style-type: none"> • Power off – both levers locked • Power on – both levers active • Auxiliary latch deadlocks latchbolt • No key override 	50-8805-x219-FIN	N/A	N/A	N/A	201	201	1178L	1178L
8891	1	<ul style="list-style-type: none"> • Power off – outside lever locked • Power on – outside lever active • Auxiliary latch deadlocks latchbolt • Inside lever always free • Mechanical key override by outside when locked 	50-8805-x219-FIN	2153	N/A	2160	208	201	1178L	1178L
8895-2	2	<ul style="list-style-type: none"> • Power off – both levers locked • Power on – both levers active • Auxiliary latch deadlocks latchbolt • Mechanical key override by both sides when locked 	50-8805-x219-FIN	2153	2153	2160	208	208	1178L	1178L
8897	1	<ul style="list-style-type: none"> • Power off – outside lever locked • Power on – outside lever active (even when deadbolt thrown) • Auxiliary latch deadlocks latchbolt • Deadbolt projected by key outside, thumbturn inside • Inside lever always free • Mechanical key override by outside when locked 	50-8820-x219-FIN	2153	N/A	2160	208	211	1178L	1178L
8897-2	2	<ul style="list-style-type: none"> • Power off – outside lever locked • Power on – outside lever active (even when deadbolt thrown) • Auxiliary latch deadlocks latchbolt • Deadbolt projected by key both sides • Inside lever always free • Mechanical key override by both sides when locked 	50-8820-x219-FIN	2153	2153	2160	208	208	1178L	1178L
8899	1	<ul style="list-style-type: none"> • Power off – both levers locked • Power on – both levers active (even when deadbolt thrown) • Auxiliary latch deadlocks latchbolt • Deadbolt projected by key outside, thumbturn inside • Mechanical key override by outside when locked 	50-8820-x219-FIN	2153	N/A	2160	208	211	1178L	1178L
8899-2	2	<ul style="list-style-type: none"> • Power off – both levers locked • Power on – both levers active (even when deadbolt thrown) • Auxiliary latch deadlocks latchbolt • Deadbolt projected by key both sides • Mechanical key override by both sides when locked 	50-8820-x219-FIN	2153	2153	2160	208	208	1178L	1178L

*Standard cylinder and cam indicated. For optional cylinders, see pages 28-30.

SARGENT®

ASSA ABLOY

7800/8200

Series Mortise Lock



Table of Contents

8200/R8200/7800 Mortise Locks

SARGENT®

ASSA ABLOY

Table of Contents

Specifications & Certifications	1
Windstorm Certifications	2
Features	3
Simpli™ Roseless Trim & R8200 Mortise Locks	4
Studio Collection Levers & Trim	5-6
Coastal Series™ & Standard Levers & Trim	7-8
Thumbturn Designs	9
Emergency Releases, Indicators & Accessories	10
Escutcheon Designs	11
Freewheeling (FE) Trim Design, ADA & Handicap Warning	12
Behavioral Health Series™ Trim	13
7800 PT Push/Pull Trims & 7800/8200 Anti-Vandal Option	14
7800 Knob and Escutcheon Designs	15
Functions & Descriptions	16-21
Electrical Functions & Monitoring Options	22
Electrical Requirements & Accessories	23
Cylinders	24
Cylinders & Rosettes	25
Cylinder Requirements & Cams	26
Strikes & Fronts	27
Mechanical Options	28
Cylinder Options	29-30
How to Order, Finishes, Packaging & Security Screw Chart	31
How to Order Gramercy Series Levers	32
Multi-Functional Lockbody	33
Architectural Specifications	34

Hardwiring Made Easy®



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

ElectroLynx® is a registered trademark of ASSA ABLOY Inc.



MicroShield®

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

MicroShield® Coating

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



Agion has achieved:



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

Cradle To Cradle Certified^{CM} is a certification mark of MBDC.

SARGuide™ SARGuide

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

LiteGuide™

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

LiteGuide™ is a registered trademark of ASSA ABLOY Inc.



8200 Mortise SARGuide

On The Cover

- 8237 Multi-function Lock LNJ LHRB

1-800-727-5477 • www.sargentlock.com

ASSA ABLOY, the global leader in door opening solutions


Specifications & Certifications

8200/R8200/7800 Mortise Locks

SARGENT®

ASSA ABLOY

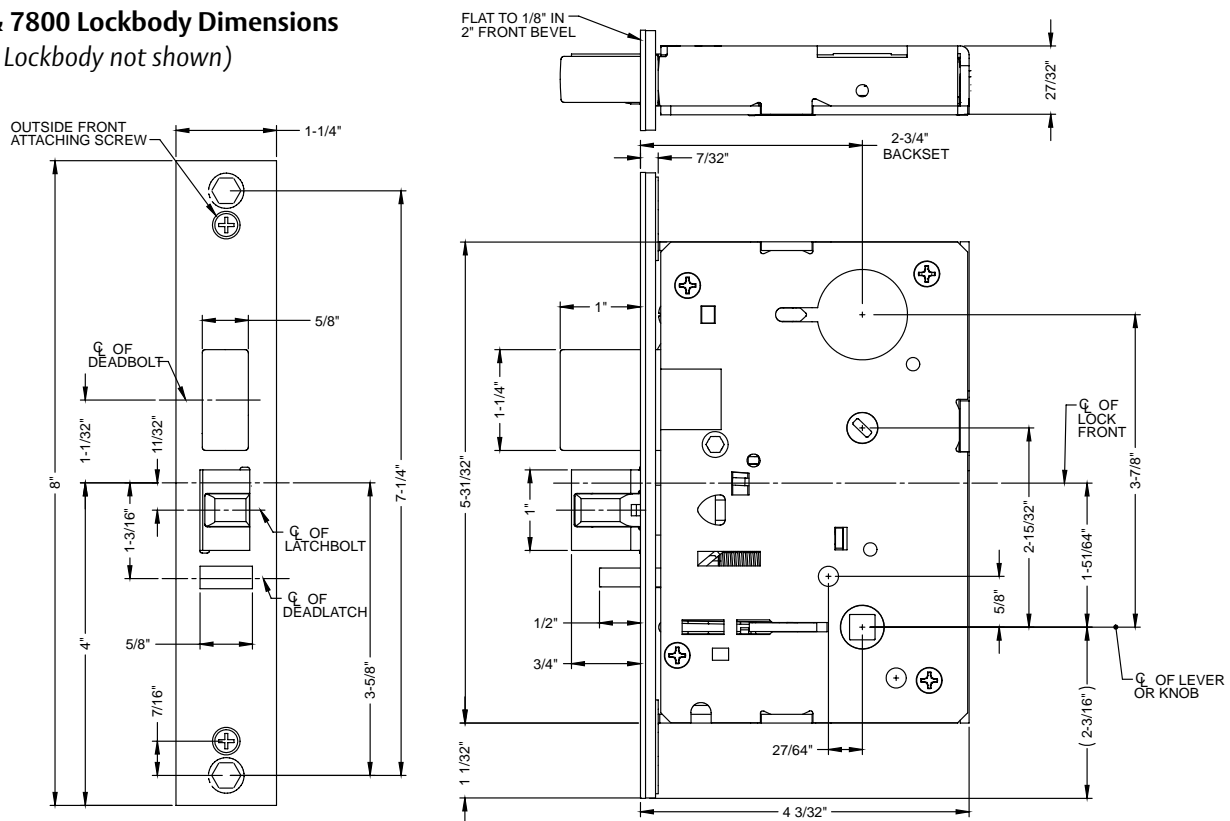
Certification Compliance

ANSI/BHMA	Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1 with all standard trims. ANSI/ASTM F476-84 Grade 40 with concealed mortise cylinder. Meets or exceeds ASTM F1577-95b paragraph 6.2 detention impact level 1 for deadbolt functions, level 3 for latchbolt only functions. Note: LFIC (Removable) Cylinders and SFIC Cylinders do not meet Security Grade 1 requirements.
ADA 	Meets A117.1 Accessibility Code. Meets BOMA International 4.13.8 Complies with American Disability Act; Consult local authorities
UL-cUL	UL and UL Listed to Canadian safety standards for A label 4 x 10 single and 8 x 10 double (3 hour fire door) and lesser class doors, stamped letter F and UL symbol on armored front indicate listing
Positive Pressure	Meets positive pressure requirements UL 10C and UBC 7-2 (1997)
California	California State Reference Code (Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face
Tornado and Hurricane Codes	See pages 33-34

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

8200 & 7800 Lockbody Dimensions

(R8200 Lockbody not shown)



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

Explanation of the 8200/7800 Lockbody types:

Lockbody Type ¹	Trim Available x Lockbody type	Standard 8200 Door Prep	Through Bolted Trim	Multi-function lockbody available	How to order lockbody only
8200	Lever x Rose/Escutcheon	Yes	Yes	Yes	82 x Function x Finish ³
7800	Knob x Rose/Escutcheon	Yes	Yes	Yes	78 x Function x Finish ³
R8200	Simpli™ roseless trim	No	Yes ²	Yes	R82 x Function x Finish ³
8200 for ALP	ALP Push/Pull Trim	Yes	Yes	Yes	Six Digit Part # determined by function*
7800 PT	PT Push/Pull Trim	Yes	Yes	Yes	Six Digit Part # determined by function*

¹ Lockbodies can only be used with the specified trim

² Through Bolt locations are different from standard trim, special door prep required

³ **Note:** Cylinder and trim not included. Outside front, strike and screw pack are included

* See Price book; **Note:** Outside Fronts, Strikes, Cylinders and Trim are NOT included

Windstorm Certifications

8200/R8200/7800 Mortise Locks

SARGENT®

ASSA ABLOY

Windstorm Certifications: Florida Building Codes & UL Listings

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

Florida Building Code: FL2998

UL Certification Directory: ZHEM.R21744 – Latching Hardware

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

* Published in the "Florida Building Code"

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
AAMA/WDMA/CSA 101/I.S.2/A440	"Standard/Specification for Windows, Doors, and Unit Skylights"
FEMA Publication 320	"Taking Shelter From the Storm: Building a Safe Room for Your Home or Small Business", investigated with respect to impact and pressure requirements only.
FEMA Publication 361	"Design and Construction Guidance for Community Safe Rooms", investigated with respect to impact and pressure requirements only.
ICC 500	"ICC/NSSA Standard for the Design and Construction of Storm Shelters", investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. The information below correlates design wind speed to the minimum missile speeds as discussed in Table 305.1.1 of ICC 500

Copyright © 2004-2014, Sargent Manufacturing Company, an ASSA ABLOY Group company. All rights reserved. Reproduction in whole or in part without the express written permission of Sargent Manufacturing Company is prohibited.

Features

8200/R8200/7800 Mortise Locks

SARGENT®

ASSA ABLOY

The patented* SARGENT Mortise Locks are designed and constructed with high quality components to provide maximum security, performance and durability. These locks represent over a century of innovation and experience in manufacturing hardware and are the industry's benchmark for mortise locks: strong, durable, flexible, innovative and secure.

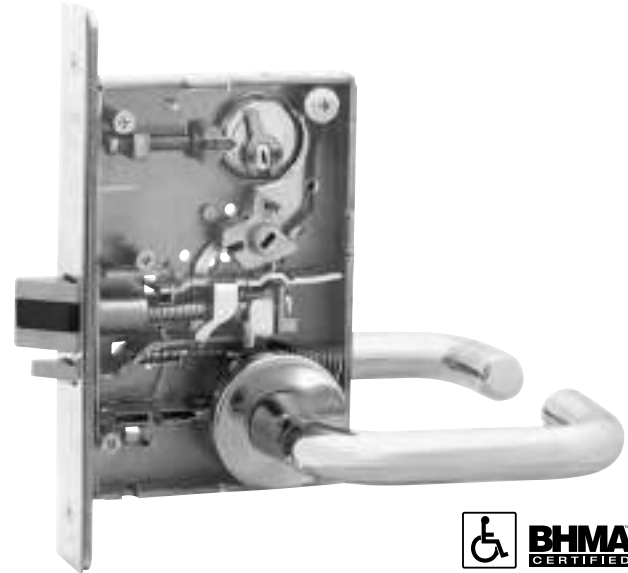
Specifications

- For Doors 1-3/4" (44mm) thick standard
- Backset 2-3/4" (70mm) only
- Outside Front Plate Brass, bronze or stainless steel.
8" (203mm) x 1-1/4" (31mm), ANSI Standard A115.1
- Front adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)
- Hubs for Knobs/Levers
 - 7800: sintered iron copper infiltrated
 - 8200: cold forged steel
 - R8200: investment cast steel
- Auxiliary Deadlatch is stainless steel and non-handed
- Specify hand on order; easily field reversible (if no hand is specified RH will be provided)
- Strike: Brass, bronze or stainless steel; ANSI Standard; curved lip, non-handed (strike box optional)
- Keys: Two, nickel silver (control key or emergency key must be ordered when required)
- Cylinder: Brass, size #41 (1-1/8") standard (except for Freewheeling, size #46 (1-3/4"))
- Can be masterkeyed or grand masterkeyed.
Construction keying available. LA standard keyway
- Stile: 4-1/2" (114mm) minimum stile for 7800/8200/R8200, 4-3/4" (121mm) minimum stile for electrical function locks
- Door Prep: ANSI/BHMA A156.115 or A156.115W modified per template (see template)
- Warranty: 10 year limited warranty, 2 year limited warranty on electrified locks. Warranty limited to replacement of lockbody and/or components

Maximum Strength & Durability

- Certified to and exceeds ANSI/BHMA A156.13, Series 1000, Operational Grade 1 and Security Grade 1 with all standard trims
- Meets and exceeds ASTM F1577-95b paragraph 6.2 detention impact level 1 for deadbolt functions, level 3 for latchbolt only functions
- Exceeds cycle testing requirements by 14 times the ANSI/BHMA A156.13 Grade 1 standard
- Case: 12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")
- 1/8" (.125) cold-rolled steel inside front holds lock securely in door
- Heavy duty wrought steel hubs and high carbon steel spring cartridge provide superior strength and cycle life for 8200 locks
- Latchbolt is stainless steel with 3/4" (19mm) projection one-piece, anti-friction reversible latch
- Deadbolt is one-piece hardened stainless steel with 1" (25mm) projection
- Optional 8200 stainless steel hubs for Institutional setting (specify 3- option)

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



Maximum Flexibility

- Fast and easy installation. Lock is easily re-handed without removing parts or opening the lock case
- Aesthetic design. Many escutcheon and lever styles available to match a wide range of styles
- Many standard architectural grade finishes, including Polished Nickel (14) & Satin Nickel (15) finishes
- 53 functions including 4 electrical functions. The most in the industry for a broad range of applications
- Versatile. Offered for door thicknesses ranging from 1-3/8" (35mm) to 6" (152mm)
- Available with vandalism deterrent trim and/or secure fastener options Torx® and spanner screws for high abuse conditions
- Available with push/pull trim, perfect for hospital applications

Innovation

- First in the industry to offer a multi-functional lockbody that embodies 8 functions in 1 lockbody
- Easy operation. Only 30° of lever rotation required to retract latchbolt
- Lever springs contained inside of the lock case for easier installation
- SARGENT's revolutionary MicroShield® available. This antimicrobial silver-based finish coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. EPA and NSF approved and FDA listed
- Broad offering of electro-mechanical configurations offer higher security for the most demanding access/egress control applications featuring ElectroLynx® quick connectors

Security

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

Simpli™ Roseless Trim & R8200 Mortise Locks

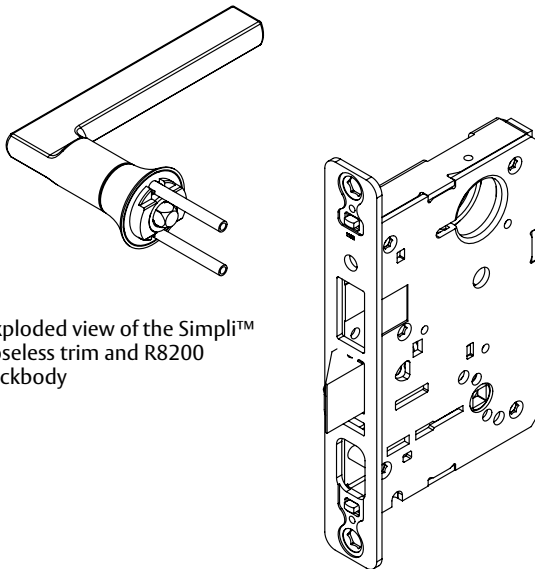
Information

SARGENT®
ASSA ABLOY

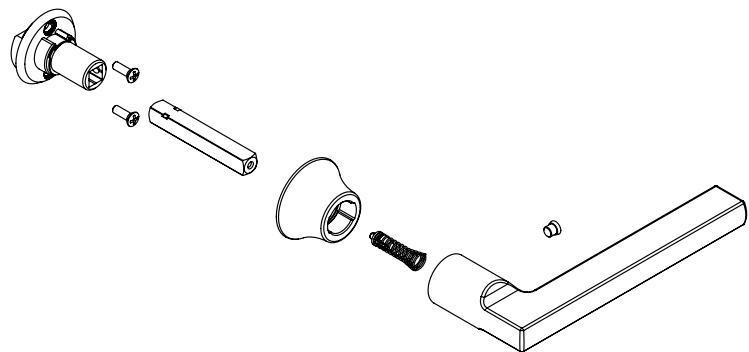
This elegant trim by SARGENT seamlessly unifies the lever and the door. Compatible with most Studio Collection and Coastal Series decorative levers, Simpli creates a flawless aesthetic vision on any door opening.

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

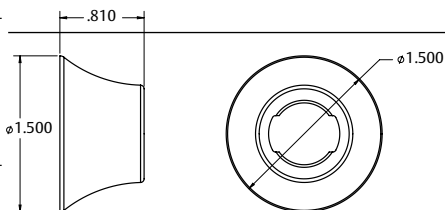
- Certified to and exceeds ANSI/BHMA A156.13, Series 1000, Operational Grade 1 and Security Grade 1
- Offered with most 8200 functions
- Available with Coastal Series (except C) and Studio Collection levers (except MC, MK, ML, MN, MP, MT and Gramercy Series)
- Selected levers return within ½" of the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



Exploded view of the Simpli™ roseless trim and R8200 lockbody



Simpli™ Collar



Copyright © 2004-2014, Sargent Manufacturing Company, an ASSA ABLOY Group company. All rights reserved. Reproduction in whole or in part without the express written permission of Sargent Manufacturing Company is prohibited.

Studio Collection Levers

8200/R8200 Mortise Locks

SARGENT®

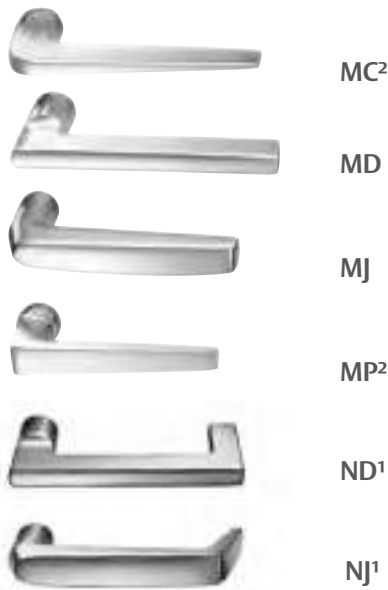
ASSA ABLOY

Studio collection™

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

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

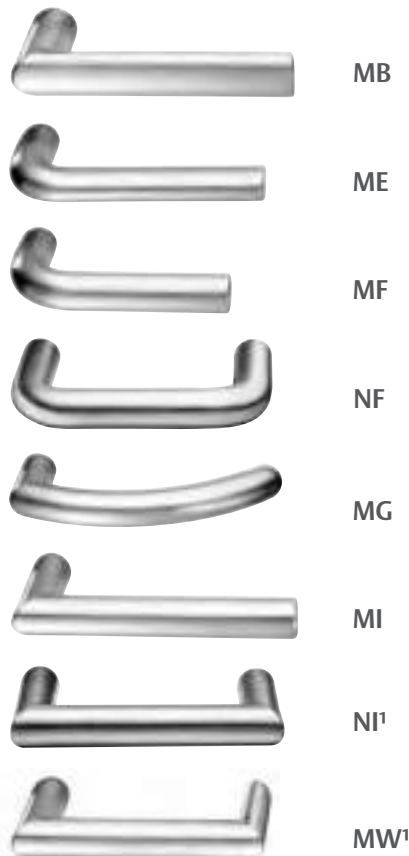
Centro Series



Rialto Series (MZ Lever is Handed)



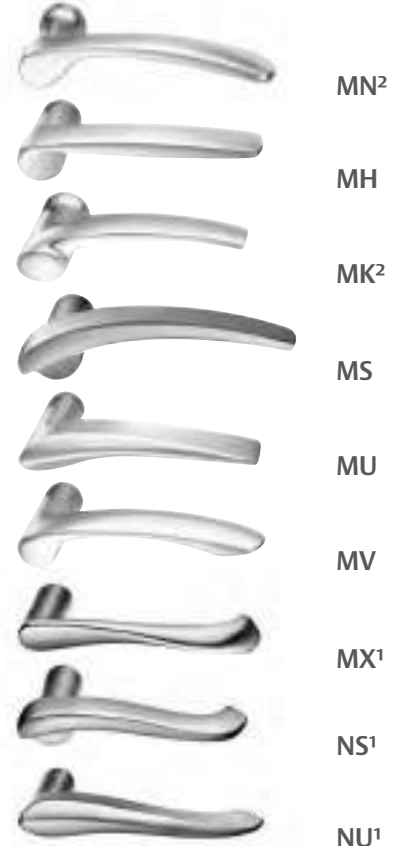
Aventura Series



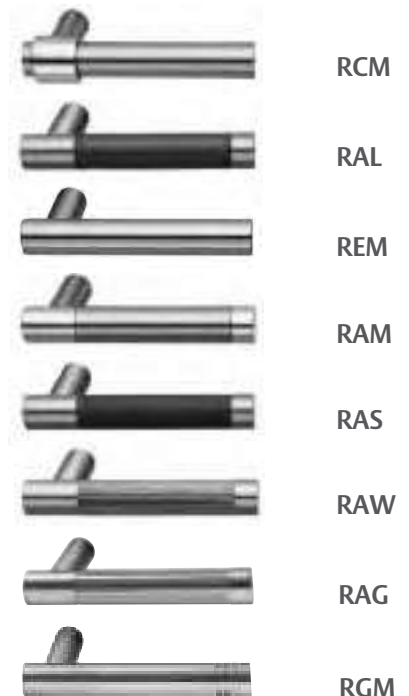
Notting Hill Series (Handed Levers)



Odéon Series (Handed Levers)



Gramercy Series^{2/3}



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

² Levers are not available with Simpli™ Roseless trim

³ Gramercy levers are customized. See page 32 for ordering information

Studio Collection Trim

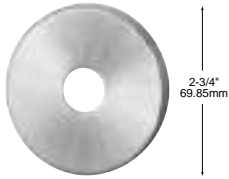
8200/R8200 Mortise Locks

SARGENT®

ASSA ABLOY

Roses (8200 Series)

O Rose



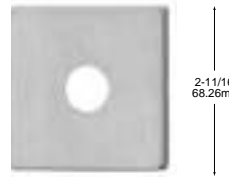
CO Rose



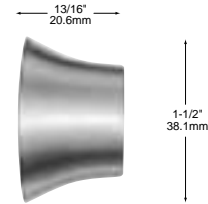
TO Rose



E2 Rose¹



Simpli™ Roseless Collar (R8200 Series)



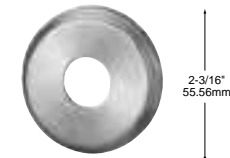
LN Rose



CR Rose



TR Rose



E3 Rose¹



Thumbturns

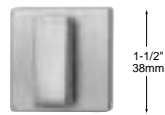
(8200 & R8200 Series)

Thumbturn backplate will match rose design chosen. See page 9 for more information.

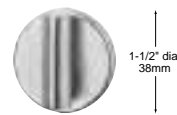
T1 Turn



T2 Turn



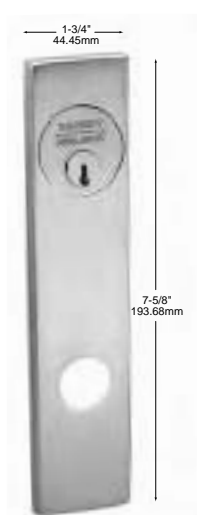
T3 Turn



Escutcheons

(8200 Series)

LE1 Escutcheon



CE Escutcheon



TE Escutcheon



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

Copyright © 2004-2014, Sargent Manufacturing Company, an ASSA ABLOY Group company. All rights reserved. Reproduction in whole or in part without the express written permission of Sargent Manufacturing Company is prohibited.

Coastal Series™ & Standard Levers

8200 Mortise Locks

SARGENT®

ASSA ABLOY

Coastal Series (8200 & R8200 Series)

Features

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

<p>C - Coronado™ Not available with Simpli™ roseless trim</p>			<p>S - Sanibel™ (Handed)</p>		
<p>G - Gulfport™ (Handed)</p>			<p>Y - Yarmouth™ (Handed)</p>		
<p>R - Rockport™</p>					

Standard Levers (8200 Series Only)

Features

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

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

Coastal Series™ & Standard Trim

8200 Mortise Locks

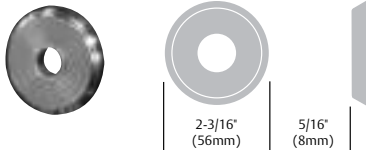
SARGENT®

ASSA ABLOY

Coastal Series Roses & Escutcheons

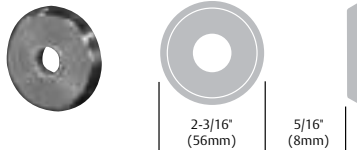
TR Traditional Rose

- Dual radii edge



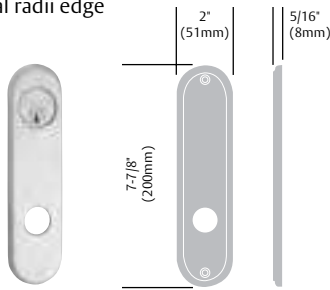
CR Contemporary Rose

- Beveled edge



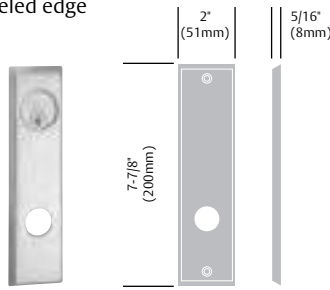
TE Traditional Escutcheon

- Dual radii edge



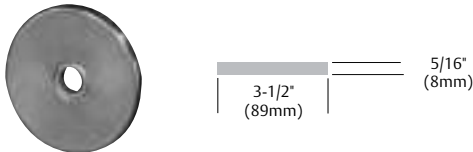
CE Contemporary Escutcheon

- Beveled edge

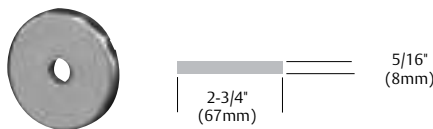


Standard Roses

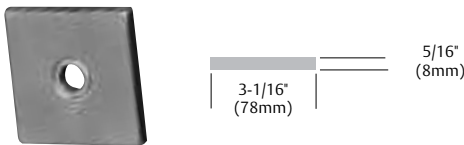
L Rose



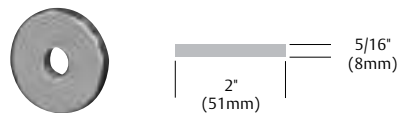
O Rose



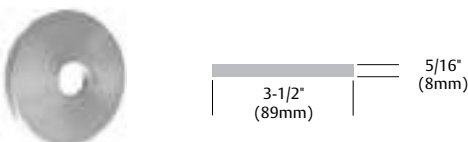
E Rose



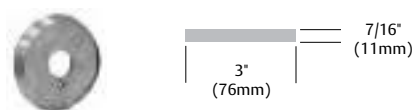
LN Rose



SL Rose



BH Rose



Copyright © 2004-2014, Sargent Manufacturing Company, an ASSA ABLOY Group company. All rights reserved. Reproduction in whole or in part without the express written permission of Sargent Manufacturing Company is prohibited.

90115: P 6/15/14

Thumbturn Designs

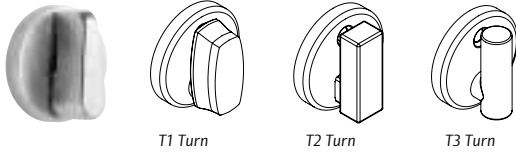
8200/R8200/7800 Mortise Locks

SARGENT®

ASSA ABLOY

130KB Round Backplate

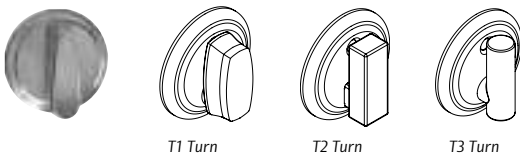
(Shown with Standard Turn)



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

130KT Traditional Backplate

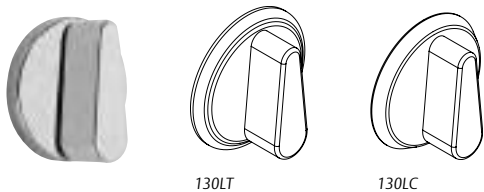
(Shown with Standard Turn)



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

130LB Large Round Backplate

(Shown with Large ADA Turn)



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

126 T-Turn

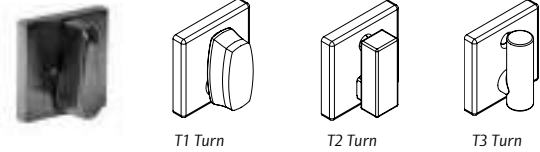
(7892 function only)



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

130KA Square Backplate

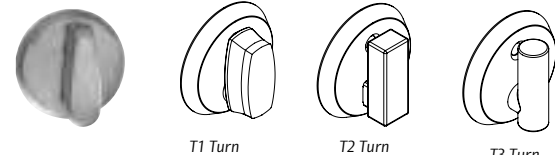
(Shown with Standard Turn)



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

130KC Contemporary Backplate

(Shown with Standard Turn)



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

130KBH Turn for use with BHL Trim



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

130KALP Turn for use with 8200 Mortise ALP Trim



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

130W Round Backplate

(Shown with Standard Turn)



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

130KBHW Turn for use with 8200 BHW Trim



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

Emergency Releases, Indicators & Accessories

8200/R8200/7800 Mortise Locks

SARGENT®

ASSA ABLOY

Emergency Releases

184KB Emergency Release (used with R8200 & 8200 with sectional trim)



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

- For 65, 66 and 68 functions only

Studio Collection Emergency Release

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

184W Emergency Release (used with 7800 with sectional trim)



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

- For 65, 66 and 68 functions only

184KA Emergency Release (used with E rose)



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

- For 65, 66 and 68 functions only

Emergency Key 14-0057



- Carbon steel
- For 65, 66 and 68 functions only
- Must be ordered separately

Indicators

49- Option Visual Status Indicator for Non Secure Applications

- Designed to work with Classroom Security functions
- Red/White indicator plate standard, field replaceable OCC/VAC plate included
- Mounts on inside of door
- Not available with escutcheon trim
- Functions and Roses available:
 - 30 & 37 Functions with R8200 locks, CR, L, LN, TR, E & O Roses
 - 26, 29, 38, 39, 40 and 41 Functions with R8200 locks & LN Roses Only
- As retrofit, order 185C x finish

Inside Only



185C

49- Option Occupancy Indicator with Emergency Release

- Ideal for restrooms or conference rooms where easy determination of use needs to be made
- OCC/VAC indicator plate standard, field replaceable Red/White plate included
- Mounts on outside of door
- Not available with escutcheon trim
- Emergency coin operated release standard
- As retrofit, order 185P x finish
- Functions and Roses available:
 - 65, 66, 68 Functions with R8200 locks, CR, E, L, LN, O & TR Roses



185P

50- Option Secured Indicator Rose

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



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

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

Accessories

130KBCVR Cap



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

82-4023 Cap



- 2" round
- Covers hole for levers and roses

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

Trim One Side Kit

Refer to page 33 for a complete list of kits

Copyright © 2004-2014, Sargent Manufacturing Company, an ASSA ABLOY Group company. All rights reserved. Reproduction in whole or in part without the express written permission of Sargent Manufacturing Company is prohibited.

90115: P 6/15/14

Escutcheon Designs

8200 Mortise Locks

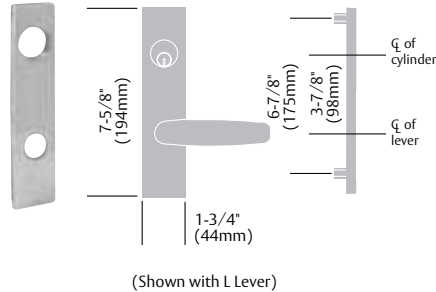
SARGENT®

ASSA ABLOY

Cylinders will protrude from escutcheon face on double cylinder functions only.

LE1/LE2 Escutcheon Design

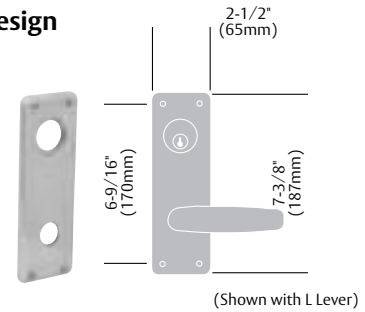
- Escutcheon: LE-Cast
- LE1- (2) Exposed screws inside
- LE2- (2) Concealed screws inside
- LE1 is available with standard, Coastal & Studio Levers
- LE2 is available with standard levers only



(Shown with L Lever)

WT Escutcheon Design

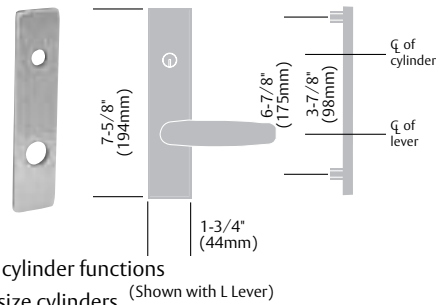
- Escutcheon: WT-Heavy wrought
- Surface mounted both inside and outside
- (4) Exposed screws both inside and outside
- WT is available with standard levers only



(Shown with L Lever)

LE3/LE4 Escutcheon Design

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



(Shown with L Lever)

SARGuide™ 8200 Mortise Lock (TL- Option)

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



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

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

Mortise Features

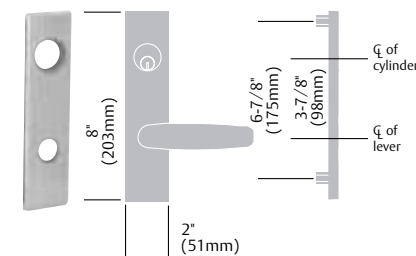
- Lamp can be used on internal trim (for external trim, consult factory)
- Includes all features of the 8200 Mortise Lock
- Available with WT escutcheon design only and all standard lever designs. Must specify TL- Option when ordering

SARGuide™ Features

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

LW1 Escutcheon Design

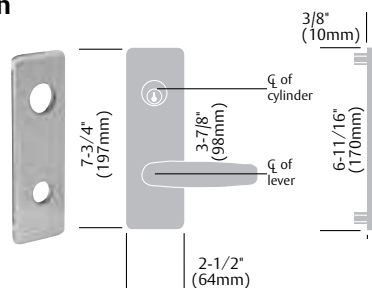
- Escutcheon: LW1- Wrought
- (2) Exposed screws inside
- LW1 is available with standard levers only



(Shown with L Lever)

LS Escutcheon Design

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



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

Freewheeling (FE) Trim Design ADA and Handicap Warning

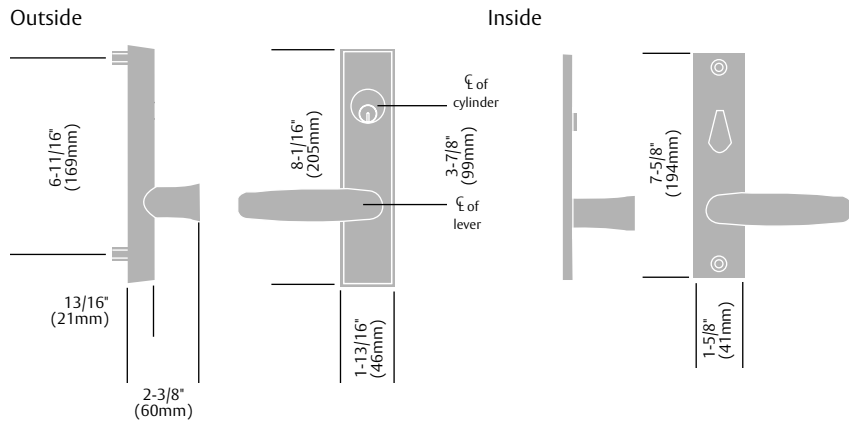
8200 Mortise Locks

SARGENT®

ASSA ABLOY



8225 FEL shown



Vandal Resistant Freewheeling Lever

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

Features

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

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

- For 1-3/4" (44mm) doors standard. For 2" (51mm) and 2-1/4" (57mm) thick doors, must specify door thickness on order
- **Vandal resistant trim**

- Meets or exceeds ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1. LFIC (Removable) and SFIC cylinders do not meet Security Grade 1
- Forged brass outside escutcheon trim provides added protection against vandalism
- Stainless steel lever bushing protects against wear
- Stainless steel lugs and through-bolted trim design for proper alignment and increased security
- Functions available — 04, 05, 16, 24, 25, 26, 31, 35, 36, 37, 38, 39, 40, 50, 51, 65, 66
- Levers A, B, E, F, J, L, P, W available

- Lever designs J, L and P have lever returns within 1/2" (13mm)
- Cylinder will protrude from escutcheon face on double cylinder functions only
- Cylinder sizes #46 (1-3/4") outside, #41 (1-1/8") inside standard on 1-3/4" (44mm) doors
- Specify hand. Easily field rehanded
- Patented design — U.S. Patent No. 5,992,195
- Options available: 3-, 10-, 10-UL-, 11-, 11-60-*, 11-63-*, 11-64-*, 11-70-7P-*, 11-72-7P-*, 11-73-7P-*, 11-65-73-7P-*, 21-, 23-, 36-, 37-, 60-*, 63-*, 64-*, 70-*, 72-*, 73-*, 65-73-*, 65-73-7P-*, 73-7P-*, 74-, 75-, 76-, 77-, 82-, SG- & WBS-

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

ADA and Handicap Warning

Lever Return to Door



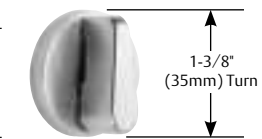
- Lever designs J, L and P
- Lever returns within 1/2" (13mm) of door face or less
- Meets ADA Compliance for national codes

Tactile Handicapped Warning



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

Standard Thumbturn



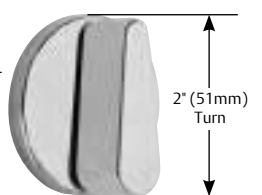
- Meets ADA Compliance for national codes
 - Order as: 130KB, 130KC, 130KT, 130W or 130KA x finish
- See page 9 for design

Tactile Handicapped Warning



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

LB - Thumbturn



- Meets the tougher local ADA requirements
 - 40% larger than standard thumb turn
 - Order as: 130LB, 130LC or 130 LT x finish
- See page 9 for design

Keys

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

Copyright © 2004-2014, Sargent Manufacturing Company, an ASSA ABLOY Group company. All rights reserved. Reproduction in whole or in part without the express written permission of Sargent Manufacturing Company is prohibited.

90115: P 6/15/14

Functions & Descriptions

8200/R8200/7800 Mortise Locks

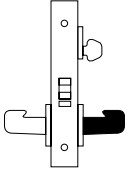
SARGENT®

ASSA ABLOY

Single Cylinder without Deadbolt

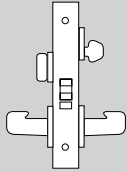
*‡04 Storeroom or Closet

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



*05 Office or Entry

- 8200, R8200 & 7800**
- Key outside retracts latchbolt, also locks & unlocks outside trim
 - Trim inside always retracts latchbolt, trim outside remains locked
 - Thumbturn inside locks & unlocks outside trim
 - Auxiliary deadlatch
 - A Multi-Function 8200/R8200/7800 Lockbody
 - **ANSI F04**



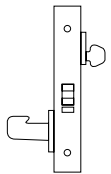
The Multi-Function Advantage with rose trim:

1. Lock will accommodate 04, 05, 15 & 37 functions without additional parts.
2. By adding an additional cylinder, lock will accommodate 38 function.
3. By adding a Trim One Side Kit, lock will accommodate 06, 13, 31 & 36 functions.

NOTE: Office/Entry Function with toggle is a 55 function.

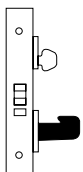
06 Storeroom or Service

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



*‡31 Utility


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



*8200 Available with Freewheeling Trim

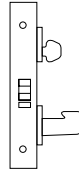
‡ 7800 Available with Push/Pull Trim

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

 If shaded, knob or lever rigid at all times

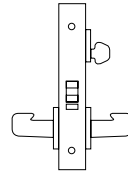
*♦36 Closet

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



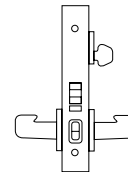
*‡37 Classroom

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



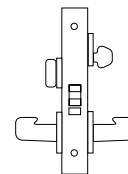
55 Office or Entry

- 8200, R8200 & 7800**
- Key outside retracts latchbolt
 - Trim inside always retracts latchbolt, outside trim remains locked
 - Trim outside is locked & unlocked by the toggle only



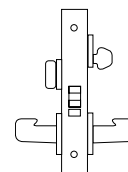
56 Office & Inner Entry Lock

- 8200, R8200 & 7800**
- Key outside retracts latchbolt
 - Trim inside always retracts latchbolt and unlocks outside trim
 - Trim outside is locked by thumbturn or key
 - Auxiliary deadlatch



67 Institutional Privacy

- 8200, R8200 & 7800**
- Key outside retracts latchbolt, overriding thumbturn when held in locked position
 - Thumbturn inside locks & unlocks outside trim
 - Trim outside unlocks when the door closes or by operating trim inside
 - Trim inside always retracts latchbolt
 - Auxiliary deadlatch
 - **ANSI F26**



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

Functions & Descriptions

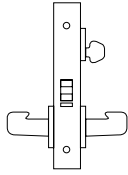
8200/R8200/7800 Mortise Locks

SARGENT®

ASSA ABLOY

89 Holdback

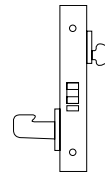
8200



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

91 All Purpose Holdback

8200

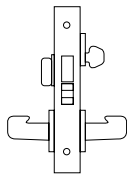


- Key outside retracts latchbolt
- Key outside can lock latchbolt in retracted position
- Trim inside always retracts latchbolt
- No outside trim
- Auxiliary deadlatch
- Latch holdback — set by rotating & holding trim, then rotate key toward latchbolt. Lever will remain in rotated position for unlocked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

Single Cylinder with Deadbolt

♦*‡24 Room Door

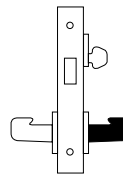
8200, R8200 & 7800



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

30 Dummy Trim Deadlock

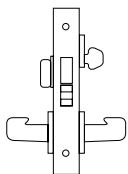
8200, R8200 & 7800



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

*25 Dormitory or Exit

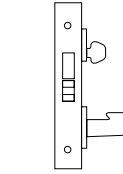
8200, R8200 & 7800



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

♦*35 Storeroom

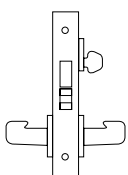
8200, R8200 & 7800



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

+27 Closet or Storeroom

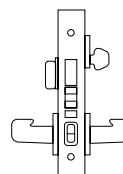
8200, R8200 & 7800



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

‡43 Apartment Corridor Door

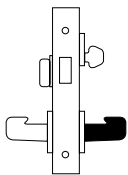
8200, R8200 & 7800



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

28 Dummy Trim Deadlock

8200, R8200 & 7800



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

*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

Functions & Descriptions

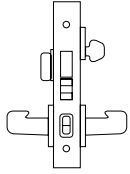
8200/R8200/7800 Mortise Locks

SARGENT®

ASSA ABLOY

‡45 Dormitory or Exit

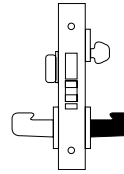
8200, R8200 & 7800



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

*‡ 50 Hotel Guest

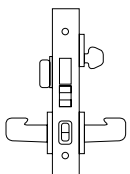
8200, R8200 & 7800



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

+47 Front Door or Apartment Corridor Door

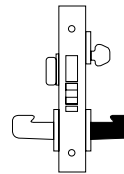
8200, R8200 & 7800



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

*51 Storeroom Deadbolt

8200, R8200 & 7800

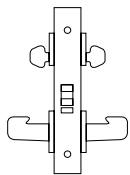


- Key and thumbturn both retract & project the deadbolt
- Key will also retract latchbolt
- Trim inside retracts latchbolt & deadbolt simultaneously
- Trim outside is always locked
- Auxiliary deadlatch
- Same as 50 function with a std. cylinder

Double Cylinder without Deadbolt

*‡16 Apartment, Exit or Public Restroom

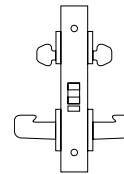
8200, R8200 & 7800



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

*38 Classroom Security Intruder Latchbolt

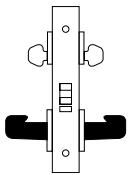
8200, R8200 & 7800



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

*‡17 Asylum or Institutional

8200, R8200 & 7800



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

*8200 Available with Freewheeling Trim


‡ 7800 Available with Push/Pull Trim

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

*49-8238 Classroom Security Intruder with Indicator



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

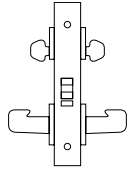
 If shaded, knob or lever rigid at all times

Functions & Descriptions

8200/R8200/7800 Mortise Locks

†59 Double Locking

8200 & R8200

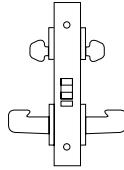


- Key from either side locks & unlocks both the inside & outside trims
- Key from either side retracts latchbolt

- Key from either side can retract latchbolt without unlocking trims
- Auxiliary deadlatch

90 Classroom Security Holdback

8200

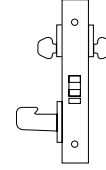


- Key from either side retracts latchbolt, also locks & unlocks outside trim
- Latchbolt can be locked in the retracted position by key from either side
- Trim inside always retracts latchbolt

- Auxiliary deadlatch
- Latch holdback — to set, rotating & hold lever, then rotate key twice toward latchbolt. Lever will remain in rotated position indicating it is unlocked

92 All Purpose Holdback

8200 & 7800



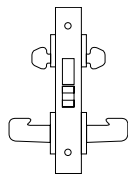
- Key outside retracts latchbolt
- Key inside can lock latchbolt in retracted position when the lever is rotated
- Trim inside always retracts latchbolt
- No outside trim

- Auxiliary deadlatch
- 7892 "T" turn is used in place of knob
- Special -105 cam required for inside cylinder (Supplied Standard)
- Latch holdback — to set, rotating & hold lever, then rotate key twice toward latchbolt. Lever will remain in rotated position indicating it is unlocked

Double Cylinder with Deadbolt

†26 Store Door

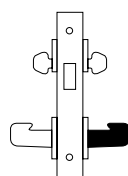
8200, R8200 & 7800



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

29 Dummy Trim Deadlock

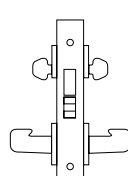
8200, R8200 & 7800



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

*39 Classroom Security Intruder Deadbolt

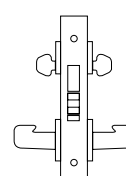
8200, R8200 & 7800



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

*40 Classroom Security Intruder Deadbolt

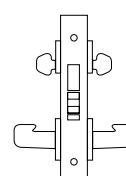
8200, R8200 & 7800



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

41 Classroom Security Intruder Deadbolt

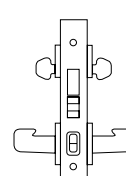
8200, R8200 & 7800



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

46 Dormitory or Exit

8200, R8200 & 7800



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

*8200 Available with Freewheeling Trim

‡ 7800 Available with Push/Pull Trim

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



If shaded, knob or lever rigid at all times

Functions & Descriptions

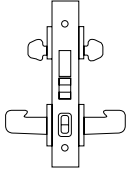
8200/R8200/7800 Mortise Locks

SARGENT®

ASSA ABLOY®

†48 Store Door

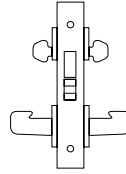
8200, R8200 & 7800



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

†49 Security Deadbolt

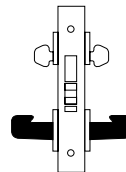
8200 & R8200



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

†52 Institutional Deadbolt

8200, R8200 & 7800

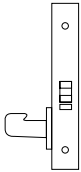


- Key from either side retracts and projects deadbolt
- Key from either side retracts latchbolt
- Trim inside and out are always locked
- Auxiliary deadlatch

Non-Keyed

13 Exit Latch

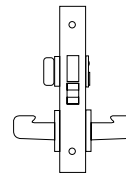
8200, R8200 & 7800



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

*66 Privacy Bath/Bedroom

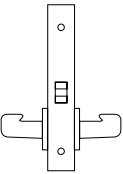
8200, R8200 & 7800



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

‡15 Passage or Closet

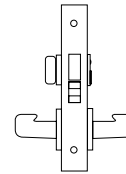
8200, R8200 & 7800



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

†68 Privacy Bath/Bedroom

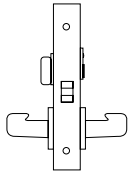
8200, R8200 & 7800



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

*‡ 65 Privacy Bath/Bedroom

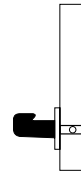
8200, R8200 & 7800



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

93 Trim Dummy

8200, R8200 & 7800




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

*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

Copyright © 2004-2014, Sargent Manufacturing Company, an ASSA ABLOY Group company. All rights reserved. Reproduction in whole or in part without the express written permission of Sargent Manufacturing Company is prohibited.

90115: P 6/15/14

Functions & Descriptions

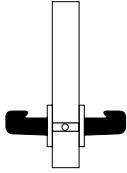
8200/R8200/7800 Mortise Locks

SARGENT®

ASSA ABLOY

94 Trim Dummy

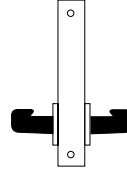
8200, R8200 & 7800



- Trim on both sides are always rigid
- Trim only used as door pull
- Recommended for double door applications on the inactive door, use template #4298, to accept latchbolt from active door
- **Note:** Lever not surface mounted

96 Double Trim Dummy

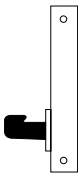
8200, R8200 & 7800



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

95 Single Trim Dummy

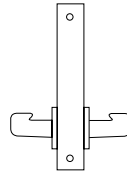
8200, R8200 & 7800



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

97 Active Trim Dummy

8200, R8200 & 7800

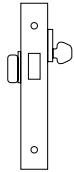


- Trim on both sides are active
- Includes lock case and armor front
- Not recommended on double door applications (will not accept latchbolt from active door)

Deadbolt Only

+03 Classroom Deadlock

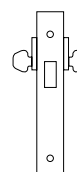
8200



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

+22 Deadlock

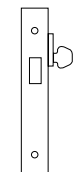
8200



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

+20 Deadlock

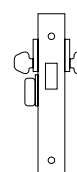
8200



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

+23 Classroom Deadlock

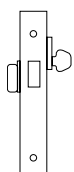
8200



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

+21 Deadlock

8200



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

*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

Electrical Functions & Monitoring Options

8200/R8200 Mortise Locks

SARGENT®

ASSA ABLOY

SARGENT 8200 Electromechanical Mortise locks are designed to handle single opening, stand alone applications, or can be readily integrated into sophisticated access control systems. They meet ANSI/BHMA A156.13 Grade 1 requirements, are UL listed on fire doors, and satisfy industry standards for operating temperature, shock and fire hazard.

Featuring Ecoflex™ Technology*

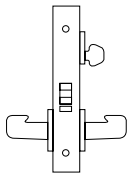


- **Reduces energy consumption up to 96%, as certified by GreenCircle**
 - Lower operating costs
 - Assists with load reduction in optimizing energy performance credit in LEED
 - Reduces number of power supplies required
 - **Field configurable to fail-safe or fail-secure**
 - **Operates from 12-24VDC,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

Electromechanical Functions

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

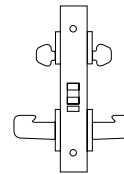
8200 & R8200



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

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

8200 & R8200



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

Electrical Requirements for electromechanical functions:

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

Current:

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

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

UL and CUL listed for use on Fire Doors

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

Warning:

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

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

Monitoring Options offered for 8200 & R8200 Series Mortise Lock

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



Hardwiring Made Easy™



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

Mortice lock



Applications

High frequency of use by people with little incentive to care: Grade 3 – Category of use - EN 12209
Residential & Commercial buildings -Public Doors
Suitable for timber and metal doors.

Technical datas



Slim lock body, 15 mm thick, for minimum mortise clearance
Galvanized steel lock body for superior corrosion resistance
Sealed lock body for minimized dust penetration
Oval shape deadbolt, 20 mm projection, double throw. Side load resistance > 1,350 daN.
Reversible latch bolt, curved shape « easy latch »
Key to latch
Heavy duty follower spring suitable for non spring loaded lever furniture.
Passage holes for bolt-through fixing lever furniture.
Supplied with striker plates in compliance with EN 12209.
D450 Series complies in full with the highest requirements of NF EN 12209.
Emergency functions comply with EN 179*
Suitable for use on fire/smoke doors assemblies (except otherwise stated)

Backsets:

50 and 60 (65 for limited functions)
40 and 55 on special request

Finishes:

Brushed Stainless Steel (X)
Polyester Powder Coated Black (V)

On special Request

Nickel Plated (N)
Solid Brass (D)
Polished Stainless Steel (XP)

Front plates:

Rounded ends in 20 mm
Square ends in 24 mm

Special features

- Curved latch bolt for easier latching
- Edge-cut latch bolt for smoother opening
- Profiled deadbolt for extra side load resistance
- Reversibility possible without dismantling the lock out of the door.
- Heavy duty follower spring suitable for non-sprung lever furniture.
- D 450 Series is manufactured in France by Vachette.
- Vachette is an ISO 9001 certified factory company
- Ten years mechanical warranty



*In order to keep the EN 179 certification, emergency locks **MUST** be equipped with their respective striker plates and with the certified handles that have been tested with the lock: (See certified products in the Vachette Lever handles catalogue)



D455 SASH LOCK

Entrance lock for Euro-profile cylinder. Key to latch. Deadbolt 20 mm projection, double throw.



D452 LATCH LOCK

Passage lock



D457 CLASSROOM LOCK

Classroom or office lock for Euro-profile cylinder. Equipped with ant-thrust bolt. Key to latch. Outside handle made inoperative when locked. Exit always free



D453 PRIVACY LOCK

Toilet lock. Key to latch. Deadbolt 20 mm projection, double throw



D4522 NIGHT LATCH

Night latch for euro-profile cylinder. Key to latch. Exit always free



D458 EMERGENCY SASH LOCK

Entrance lock for Euro-profile cylinder. Key to latch. Deabolt 20 mm projection, double throw. Exit always free Inside handle retracts both latch and dead bolt.



D454 DEAD LOCK

Deadlock for Euro-profile cylinder. Deabolt 20 mm projection, double throw.



D456 STOREROOM LOCK

Storeroom or nighth latch lock for Euro-profile cylinder. Equipped with Anti-thrust bolt. Key to latch Exit always free



D459 EMERGENCY SASH LOCK SAF

Same as D548 with snib on front plate that prevents from projecting the deabolt when the door is not shut. **NO RISK OF PREVENTING FIRE DOOR TO SHUT**

One lock body – Nine functions – fully reversible right/left

MS1850S Series MS® Deadlock



ALUMINUM

GRADE 1
E8211

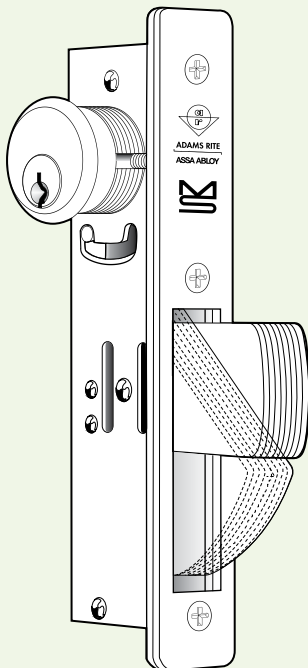
The MS1850S Deadlock utilizes a laminated stainless steel bolt, activated by a pivot mechanism to provide maximum security for a single leaf narrow stile door.

Function

A huge bolt of laminated stainless steel, nearly three inches long, activated by an uncomplicated pivot mechanism, has made this basic MS® Deadlock the standard of the narrow stile door industry. The length of this bolt provides maximum security for a single leaf door, even a very tall and flexible one or an installation where the gap between the door and jamb is greater than it should be.

Operation

360° turn of key or thumbturn throws or retracts the counterbalanced bolt. Key can be removed only when bolt is in a positively locked or unlocked position. Lock accepts any standard 1-5/32" diameter mortise cylinder or thumbturn from either or both sides. Cylinder must have MS® dimensioned cam.



Specifications

CYLINDER BACKSET

- 7/8", 31/32", 1-1/8", or 1-1/2" only.

CASE

- Steel with corrosion-resistant plating, measures 1" x 6" x depth. Depth varies by backset (see table on back of page).

BOLT

- 5/8" x 1-3/8" x 2-7/8" with 1-3/8" throw. Eight-ply laminated stainless steel. Center ply has alumina-ceramic core to defeat any hacksaw attack, including rod-type "super" hacksaws.

FACEPLATE

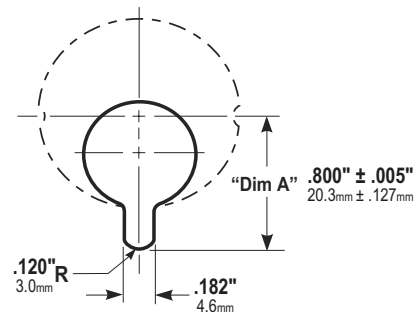
- Measures 1" x 6-7/8"

STRIKE

- See back of page for dimensions of strike slot which can be cut in metal jamb. Trim plate, box strike, and armored strike are available separately.

CYLINDER CAM

- MS1850S Deadlocks are operable by any standard 1-5/32" diameter mortise cylinder with MS® cam dimensioned as shown. Cylinders with MS® cams can be readily obtained from most cylinder manufacturers. See CYLINDERS section for cylinder make, thumbturn and trim ring information.



OPTIONS

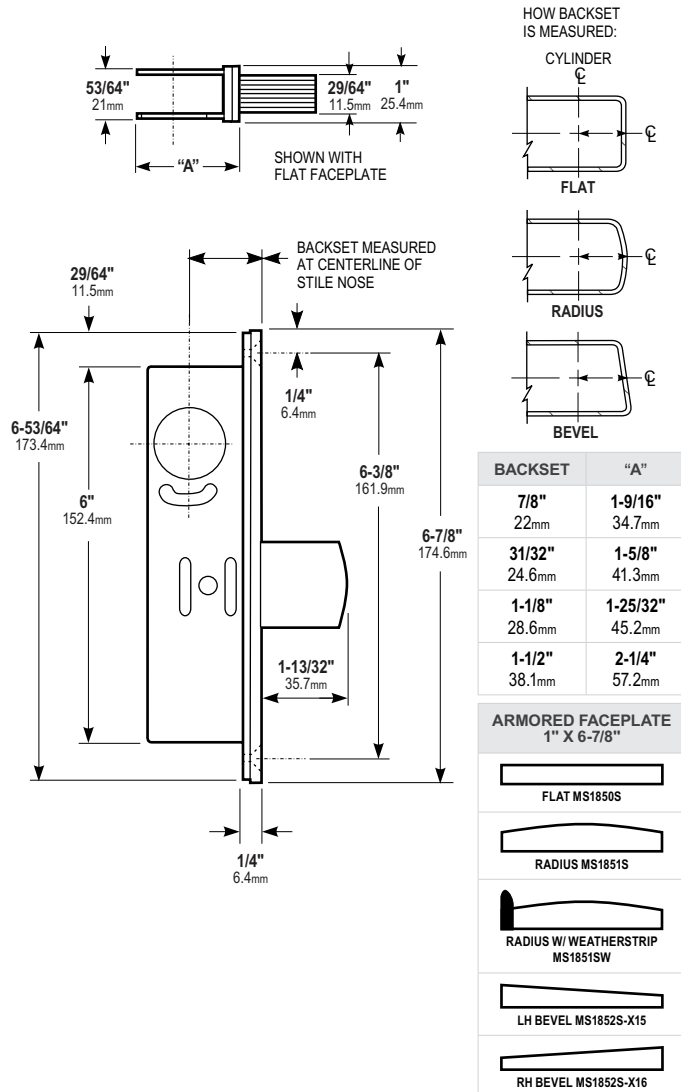
- For jambs too narrow to accept the long bolt, the MS1850S-050 offers a shorter bolt with hook shape to provide equal security against door-prying attempts. 1850S-020 short throw without hook is also available. Second and third point locking bolts are available for pairs of doors. All use any make standard mortise cylinder and thus can be keyed into systems with other types of doors. "SCHOOLHOUSE" version, also available, is modified so that operation from inside is "unlock only". This lock is handed and must be specified LH or RH. Specify Series SCH1850S. Same faceplate and backset options as Series MS1850S. Operation from inside, with standard Adams Rite 4066 Turn or with 4550 Deadlock Lever. For wood or hollow metal, see MS1850SN.

STANDARD PACKAGE

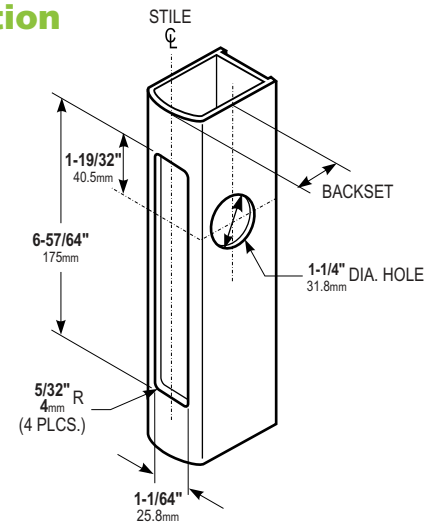
- Individually boxed with machine screws for mounting. Cylinders and/or thumbturns available separately. Shipping weight: 1-1/2 lbs.

All measurements are approximate and are provided for informational purposes only. Refer to the product Installation Instructions.

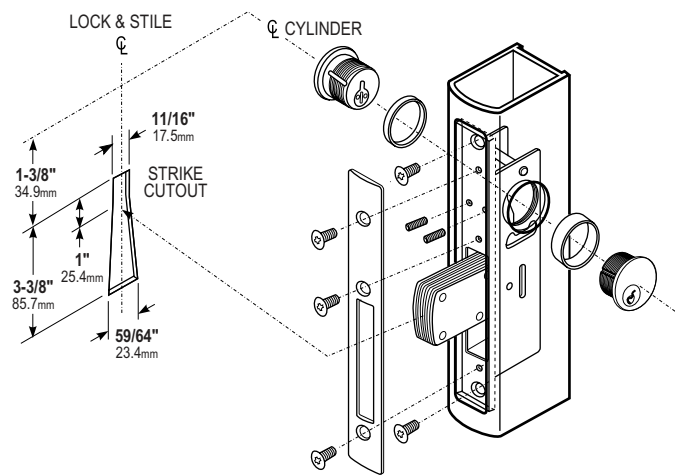
Dimensions



Stile Preparation



Lock & Cylinder Installation



HOW TO ORDER MS1850S SERIES MS® DEADLOCK

Specify quantity and the following information. Order related products separately.

PRODUCT NO.	FACEPLATE	BACKSET	HANDING	FINISH
MS185	OS	- 2	- 10	- 628
	0S Flat	1 7/8"	15 LH or RHR	313 Dark Bronze Anodized
	1S Radius	2 31/32"	16 RH or LHR	335 Black Anodized
	1SW Radius with weatherstrip	3 1-1/8"	10 Non-Handed*	628 Clear Anodized
	2S Bevel	4 1-1/2"		

*Any flat or radius faceplate, except Schoolhouse.

RELATED PRODUCTS When purchasing this product, please consider the following related products, available separately:

Accessories

4015 Threshold Bolt or 4016 Header Bolt for multi-point locking.

4085 Header Bolt for pairs of doors.

4000, 4001, MS4002 Deadlock Strikes.

Lock mounting accessories and options.

Cylinders

MS1850S Deadlocks are operable by any standard 1-5/32" diameter mortise cylinder with MS® cam.

Trim

Deadlock lever trim and keyless entry trim.

Exit indicators.

Special Order Options

Schoolhouse function available as special order.

MS1850S-050 Series MS® Deadlock



ALUMINUM

GRADE 1
E8281/E8291

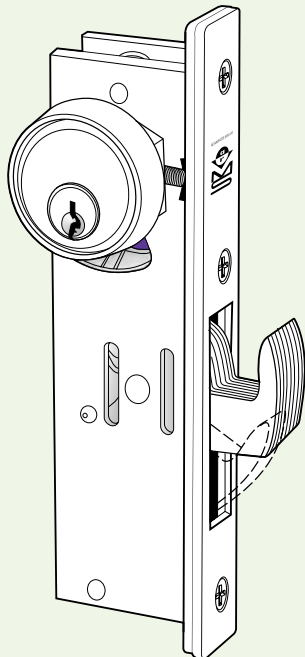
The MS1850S-050 Deadlock utilizes a laminated stainless steel hookbolt, activated by a pivot mechanism to provide maximum security for a sliding narrow stile door.

Function

The MS1850S-050 Deadlock answers the security need of sliding glass doors in commercial, industrial, and institutional buildings. The mechanism is identical to the widely used Maximum Security swinging door lock, except that the massive laminated bolt is provided in a hook shape to resist the parting motion of sliding door and jamb. The over-center MS locking action assures that forced entry attempts to pry the door in any direction, up, down, or sideways will be defeated.

Operation

360° turn of key or thumbturn throws or retracts the counterbalanced bolt. Key can be removed only when bolt is in a positively locked or unlocked position. Lock accepts any standard 1-5/32" diameter mortise cylinder or thumbturn from either or both sides. Cylinder must have MS® dimensioned cam.



Specifications

CYLINDER BACKSET

- 7/8", 31/32", 1-1/8", or 1-1/2" only.

CASE

- Steel with corrosion-resistant plating, measures 1" x 6" x depth. Depth varies by backset (see table on back of page).

BOLT

- 5/8" x 1-3/8" with 13/16" throw. Eight-ply laminated stainless steel. Center ply has alumina-ceramic core to defeat any hacksaw attack, including rod-type "super" hacksaws, while hook shape repels pry bar attempts to "spread" the door from its jamb or lift it off its track.

FACEPLATE

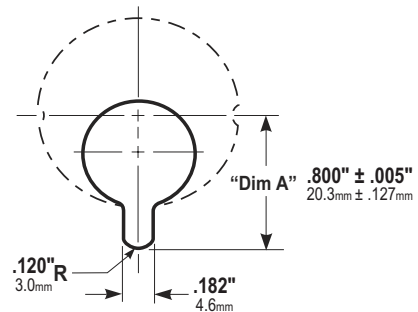
- Measures 1" x 6-7/8".

STRIKE

- See back of page for dimensions of strike slot which can be cut in metal jamb. Trim plate, box strike, and armored strike are available separately.

CYLINDER CAM

- MS1850S-050 Deadlocks are operable by any standard 1-5/32" diameter mortise cylinder with MS® cam dimensioned as shown. Cylinders with MS® cams can be readily obtained from most cylinder manufacturers. See CYLINDERS section for cylinder make, thumbturn and trim ring information.



OPTIONS

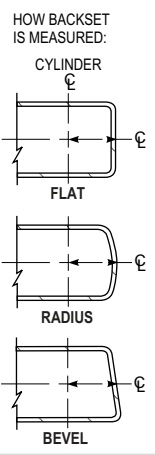
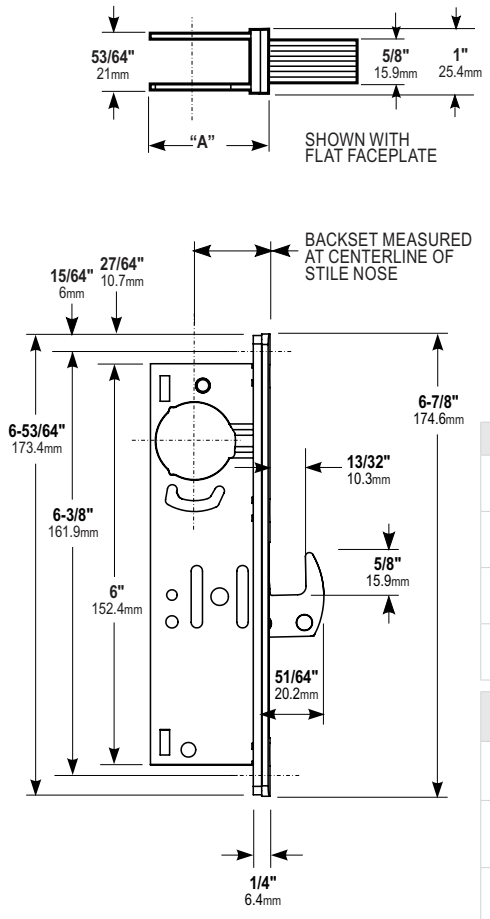
- Cylinder backset and faceplate finish and shape (radiused, flat or bevel cross-section to match door nose) must be specified. "SCHOOLHOUSE" version, also available, is modified so that operation from inside is "unlock only". This lock is handed and must be specified LH or RH. Specify Series SCH1850S-050. Same faceplate and backset options as Series MS1850S-050. Operation from inside, with standard Adams Rite 4066 Trim or with 4550 Deadlock Lever. For wood or hollow metal, see MS1850SN.

STANDARD PACKAGE

- Individually boxed with machine screws for mounting. Cylinders and/or thumbturns available separately. Shipping weight: 1-1/2 lbs.

All measurements are approximate and are provided for informational purposes only. Refer to the product Installation Instructions.

Dimensions

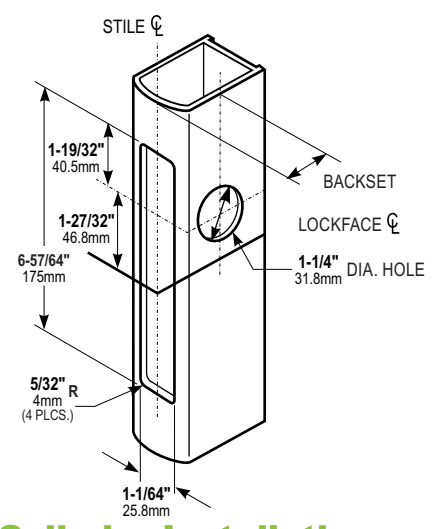


BACKSET	"A"
7/8" 22.2mm	1-9/16" 39.7mm
31/32" 24.6mm	1-5/8" 41.3mm
1-1/8" 28.6mm	1-25/32" 44.5mm
1-1/2" 38.1mm	2-1/4" 57.2mm

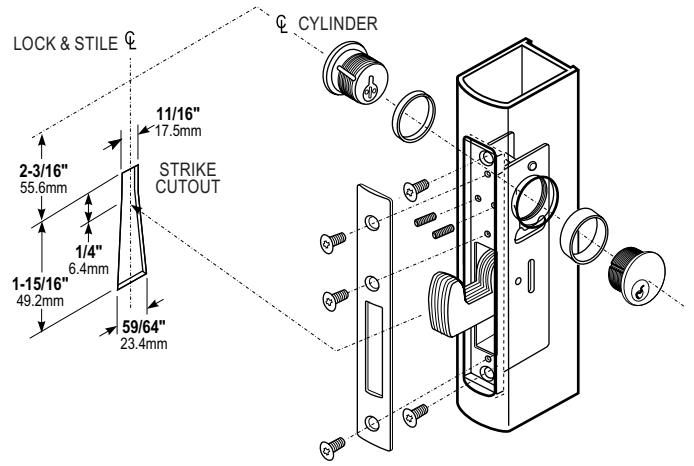
ARMORED FACEPLATE
1" X 6-7/8"

FLAT MS1850S-050
RADIUS MS1851S-050
RADIUS W/ WEATHERSTRIP MS1851SW-050
LH BEVEL MS1852S-055
RH BEVEL MS1852S-056

Stile Preparation



Lock & Cylinder Installation



HOW TO ORDER MS1850S-050 SERIES MS® DEADLOCK

Specify quantity and the following information. Order related products separately.

PRODUCT NO.	FACEPLATE	BACKSET	HANDING	FINISH
MS185	OS	-2	50	-628
	0S Flat	1 7/8"	55 LH or RHR	313 Dark Bronze Anodized
	1S Radius	2 31/32"	56 RH or LHR	335 Black Anodized
	1SW Radius with weatherstrip	3 1-1/8"	50 Non-Handed*	628 Clear Anodized
	2S Bevel	4 1-1/2"		

*Any flat or radius faceplate.

RELATED PRODUCTS

When purchasing this product, please consider the following related products, available separately:

Accessories

- 4015 Threshold Bolt or 4016 Header Bolt for multi-point locking.
- 4085 Header Bolt for pairs of doors.
- Deadlock Strikes.
- Lock mounting accessories and options.

Cylinders

MS1850S-050 Deadlocks are operable by any standard 1-5/32" diameter mortise cylinder with MS® cam.

Trim

- Deadlock lever trim and keyless entry trim.
- Exit indicators.

Special Order Options

Schoolhouse function available as special order.