



H Series

Mortise Locks

Heavy Duty

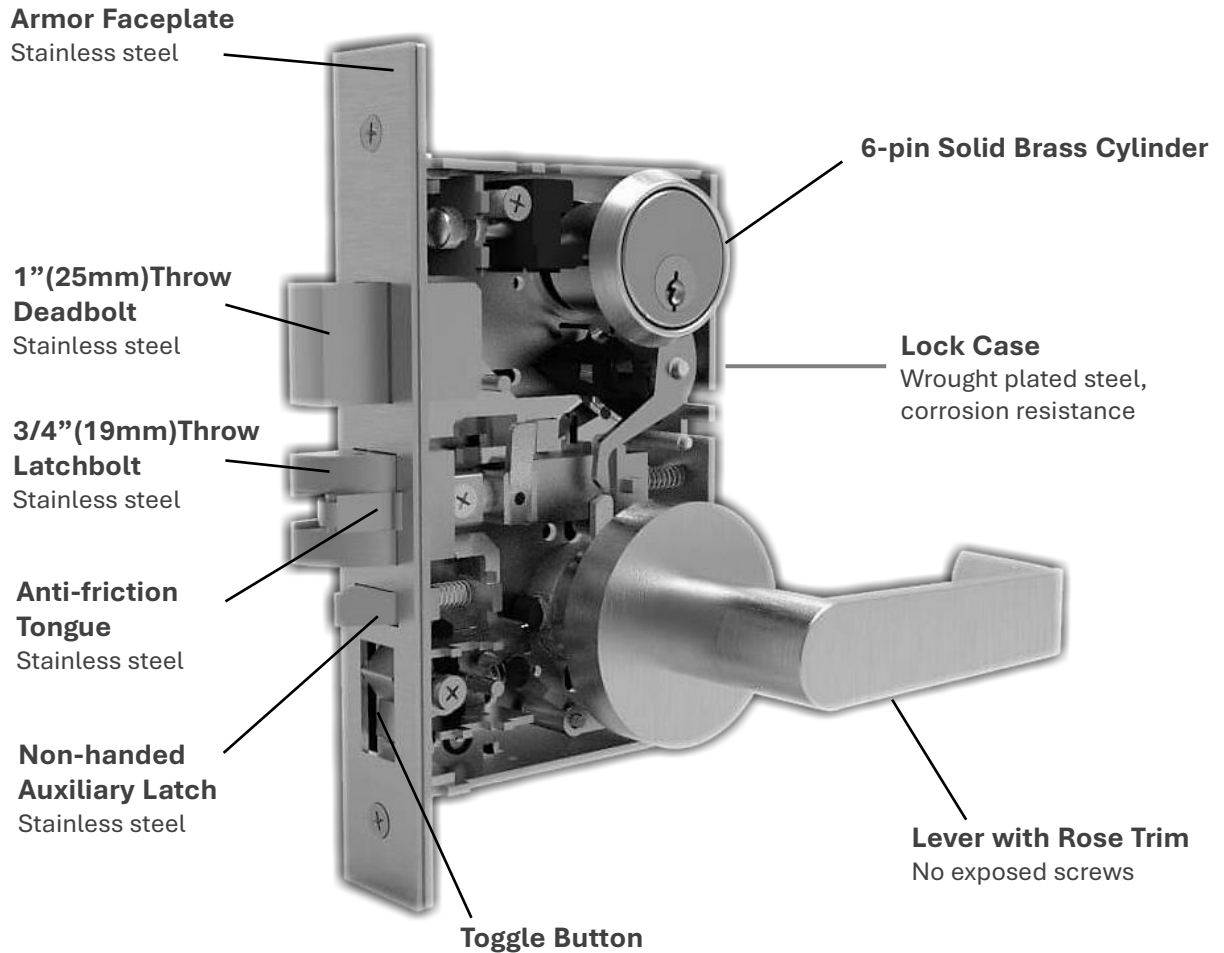
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Mortise Locks – H Series

ANSI A156.13 Grade 1, Commercial Heavy Duty

Our heavy-duty mortise locks comply with American National Standard Institute requirements (ANSI A156.13 – 2022 Grade 1). We offer a full range of models to meet different demands for commercial, institutional, and industrial applications.



Features

- Full reversible design.
- No exposed mounting screws on exterior or interior trims.
- Outside lever features a *clutch freewheeling* mechanism. When locked, the lever rotates freely, preventing excessive force on the horizontal lever. This design reduces the risk of lever breakage or damage.

Certifications

- Meets ANSI A156.13 Series 1000 Grade 1 requirements
- UL and cUL listed for Canadian safety standards for A label (3-hour fire door); stamped with letter F and UL symbol on armor faceplate
- Meets positive pressure requirements of UL 10C and UBC 7-2 (1997)

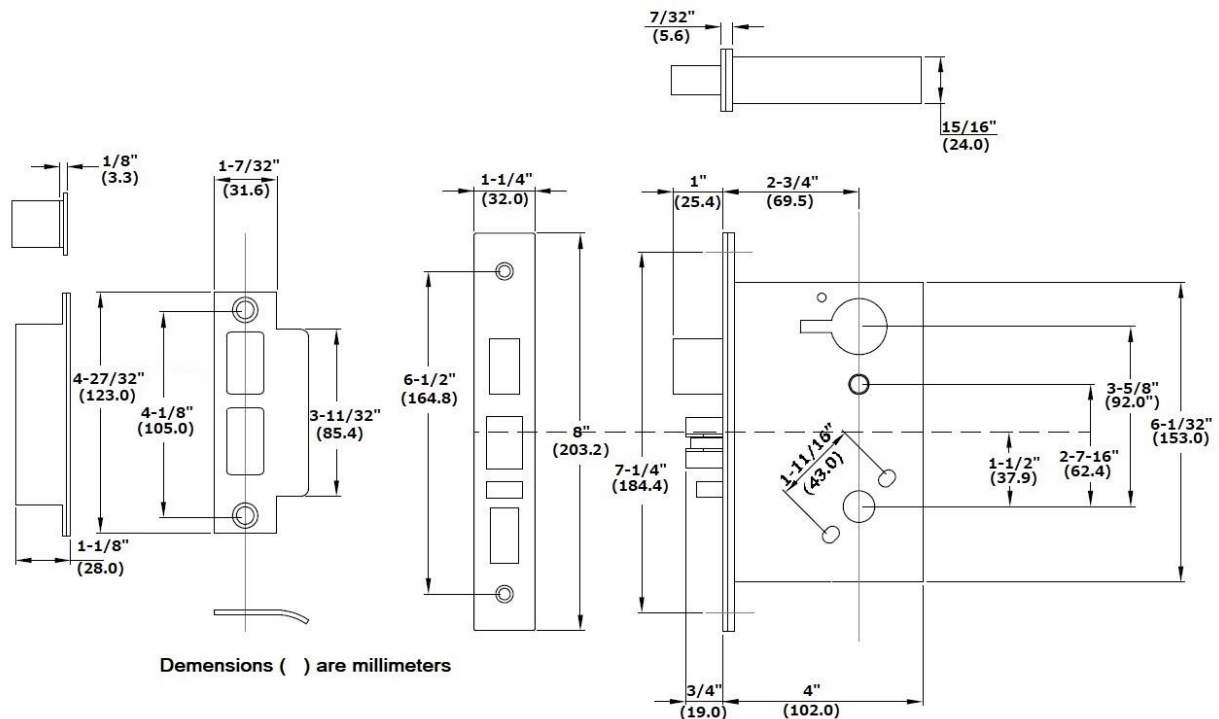
Mortise Locks – H Series

ANSI A156.13 Grade 1, Commercial Heavy Duty

Specifications

For Doors	1-3/4" (44.5mm) thick standard. For doors over 1-3/4" (44.5mm), specify door thickness required.
Lock Hand	Lock bodies are reversible, eliminating the need to specify hand when ordering.
Backset	2-3/4" (70mm)
Lock case	Heavy-duty wrought steel; zinc dichromate plated.
C to C	Center of lever to center of cylinder is 3-5/8" (92mm).
Armor Faceplate	Stainless steel; 8" x 1-1/4" (203.2mm x 32.0mm); meets ANSI Standard A115.1.
Deadbolt	1" (25.4mm) throw; hardened stainless steel.
Latchbolt	3/4" (19mm) throw; one-piece stainless steel with anti-friction reversible tongue.
Auxiliary Latch	Stainless steel, non-handed
Toggle button	High rust-resistant chrome plated zinc alloy
Trims	As specified, see page 5 – 6.
Strike	Stainless steel; meets ANSI Standard A115.1; curved lip with dust box.
Cylinders	Our lockcase accepts cylinders from other manufacturers. For details and cam type, please see page 15.
Finishes	US3, US4, US10, US10B, US19, US26, US26D, US32, US32D

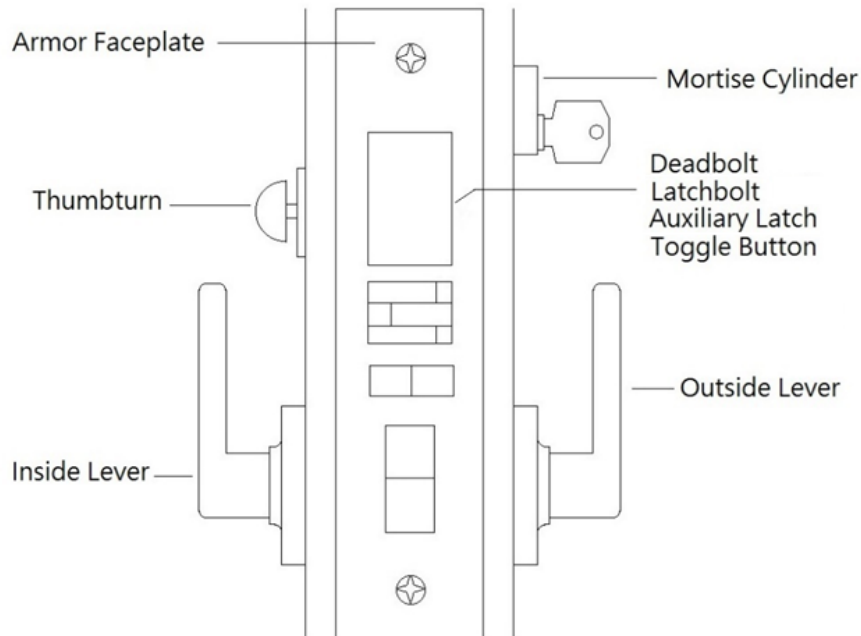
Dimensions



Mortise Locks – H Series

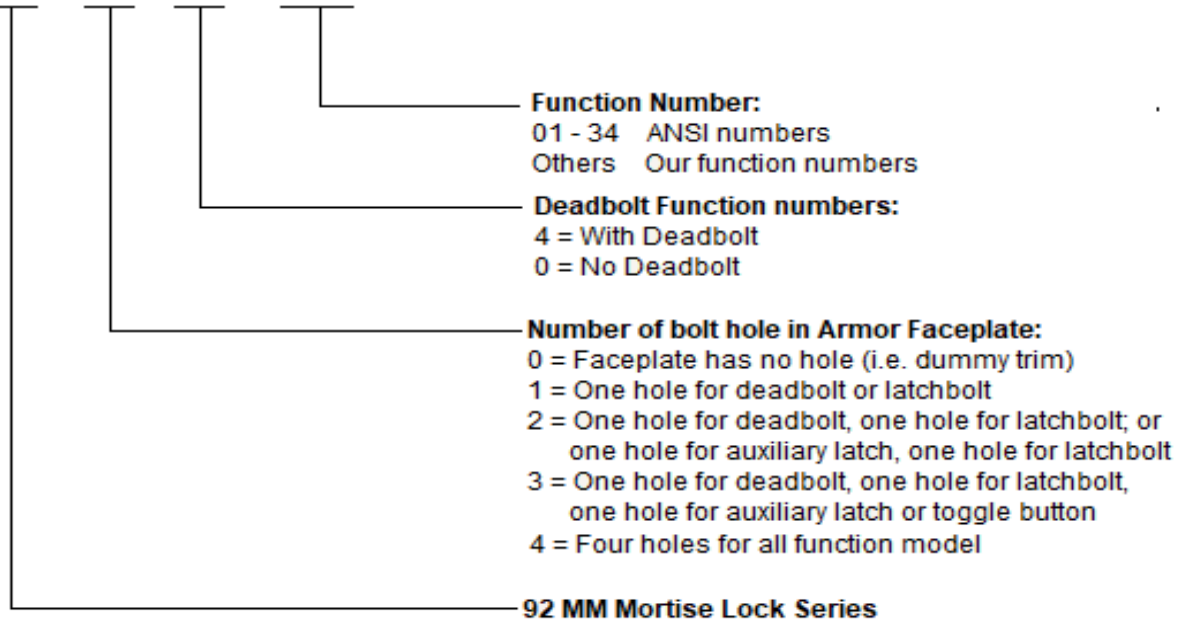
ANSI A156.13 Grade 1, Commercial Heavy Duty

ANSI Function Diagram



Product Identification

H 3 4 15



Mortise Locks – H Series

Lever Trims



Round Rose Lever Trim

Stainless steel, wrought forming



Escutcheon Lever Trim

Stainless steel, wrought forming

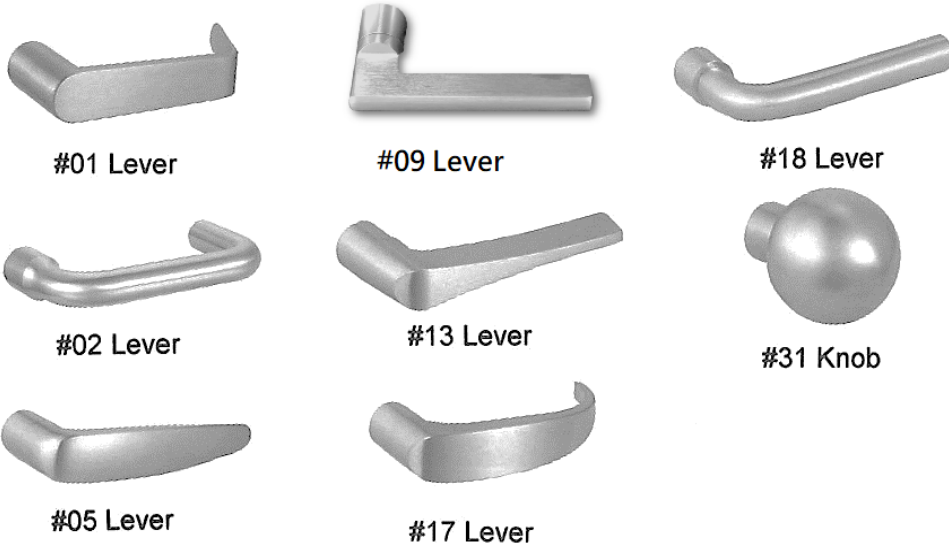
Trim Feature

- Our mortise lock features clutch freewheeling trim design for areas susceptible to vandalism, including schools, universities, multi-tenant buildings, apartments, athletic locker rooms in indoor stadiums and gymnasiums, and other public buildings.
- The clutch freewheeling design allows the outside lever to swing freely up to 45 degrees. When the door is locked, the outside lever rotates freely, preventing excessive or abusive force from being applied to the trim. This feature eliminates the need to reset the trim after vandalism attempts since the lever automatically returns to its original position. Additionally, it reduces the risk of the lever handle being broken or damaged.

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Levers

Other Lever Styles



Lever Material

Lever	Material Options
No.01	Cast stainless steel, or cast zinc alloy
No.02	Hollow or solid tube, extruded or cast stainless steel
No.05	Cast stainless steel, or cast zinc alloy
No.09	Cast zinc alloy
No.13	Cast stainless steel, or cast zinc alloy
No.17	Cast stainless steel, or cast zinc alloy
No.18	Hollow tube, extruded stainless steel
No.31	Stainless steel

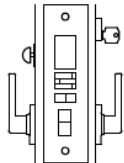
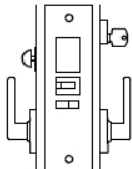
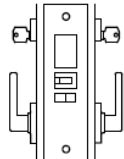
- Lever type No. 01, 02 and 17 meet California State Fire Marshall Standard.
- Lever costs vary depending on the material used. When requesting a quote, please indicate your material choice: Cast Stainless Steel (SS), or Cast Zinc Alloy (ZA).
- For complete mortise lock units, the escutcheon design of both lever and knob trims does not include a cylinder guard, as the cylinder is protected by the escutcheon. The cylinder guard is only used for rose design trims (both lever and knob), but is not included as standard furnishing.

Finishes

- US3, US4, US10, US10B, US19, US26, US26D, US32, US32D

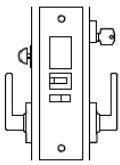
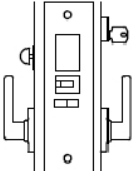
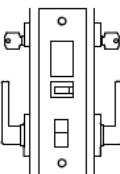
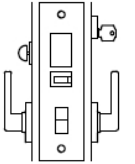
Mortise Locks – H Series

Model Numbers, Functions & Descriptions

Function	Model No.	Description
Deadbolt, Latchbolt, Auxiliary Latch & Toggle Button		
	H4486	All Purpose <ul style="list-style-type: none"> ◆ Latchbolt retracted by lever from either side unless outside lever is locked (made inoperative) by operating toggle button ◆ Deadbolt projected or retracted by key outside or thumbturn inside ◆ Key outside operates both deadbolt and latchbolt ◆ Operating inside lever retracts both deadbolt and latchbolt simultaneously ◆ Locking toggle button makes outside lever inoperative; unlocking toggle button makes outside lever operative ◆ Latchbolt is deadlocked when outside lever is locked (inoperative) or when deadbolt is projected ◆ Outside lever is unlocked by toggle button only when deadbolt is retracted ◆ Inside lever is always free from immediate exit ◆ Auxiliary latch deadlocks latch bolt when door is closed
Deadbolt, Latchbolt & Auxiliary Latch		
	H3415 ANSI Function F15	Hotel Guest <ul style="list-style-type: none"> ◆ Hotel cylinder required with two types of keys (standard key and emergency key) ◆ Standard key outside retracts latchbolt only; it will not retract or project deadbolt ◆ Emergency key outside retracts latchbolt and deadbolt; it also projects deadbolt ◆ Latchbolt retracted by key outside or lever inside ◆ Outside lever is always inoperative ◆ Deadbolt projected or retracted by inside thumbturn ◆ When deadbolt is projected, key outside becomes inoperative except emergency key ◆ Operating inside lever retracts both deadbolt and latchbolt simultaneously ◆ Auxiliary latch deadlocks latchbolt when door is closed ◆ Inside lever is always free for immediate egress
	H3434 ANSI Function F34	Classroom Security Intruder Deadbolt <ul style="list-style-type: none"> ◆ Latchbolt retracted by lever from either side unless outside lever is locked by key from inside or outside ◆ Deadbolt projected or retracted by key from both sides ◆ Operating inside lever retracts both deadbolt and latchbolt simultaneously, and unlocks outside lever ◆ Auxiliary latch deadlocks latchbolt when door is closed, or latchbolt is deadlocked when deadbolt is projected ◆ Inside lever is always free for immediate egress

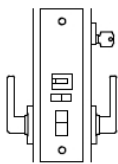
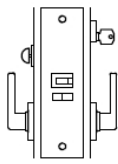
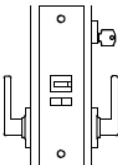
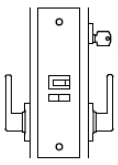
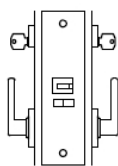
Mortise Locks – H Series

Model Numbers, Functions & Descriptions

Function	Model No.	Description
Deadbolt, Latchbolt & Auxiliary Latch		
	H3486	Entrance Lock <ul style="list-style-type: none"> ◆ Latchbolt retracted by lever from either side unless outside lever is locked by key from outside ◆ Deadbolt projected or retracted by key outside ◆ Latchbolt retracted by key outside ◆ Operating inside lever retracts both deadbolt and latchbolt simultaneously ◆ Deadbolt projected or retracted by inside thumbturn ◆ When deadbolt projected by inside thumbturn, outside lever becomes inoperative automatically ◆ Inside lever is always free for immediate egress ◆ Auxiliary latch deadlocks latchbolt when door is closed
	H3488	Faculty Restroom <ul style="list-style-type: none"> ◆ Latchbolt retracted by key outside or by lever inside ◆ Outside lever is always inoperative. Deadbolt projected or retracted by inside thumbturn ◆ When deadbolt projected (locked), all keys become inoperative except emergency or display keys ◆ Operating inside lever retracts both deadbolt and latchbolt simultaneously ◆ Inside lever is always free for immediate egress ◆ Auxiliary latch deadlocks latchbolt when door is closed <p>⊙ This function operates with a special cylinder</p>
Deadbolt, Latchbolt & Toggle Button		
	H3411 ANSI Function F11	Dormitory or Exit <ul style="list-style-type: none"> ◆ Latchbolt retracted by lever from either side unless outside lever is locked (made inoperative) by operating toggle button ◆ Deadbolt projected by key from either side ◆ Deadbolt retracted by key outside ◆ Operating inside lever retracts both deadbolt and latchbolt simultaneously and outside lever remains locked
	H3420 ANSI Function F20	Apartment Corridor Door <ul style="list-style-type: none"> ◆ Latchbolt retracted by lever from either side unless outside lever is locked (made inoperative) by operating toggle button ◆ Deadbolt projected and retracted by key outside or thumbturn inside ◆ Key outside operates deadbolt and latchbolt, and outside lever remains locked ◆ Operating inside lever retracts both deadbolt and latchbolt simultaneously, and outside lever remains locked ◆ Latchbolt is deadlocked when outside lever is locked (made inoperative) or when deadbolt is projected ◆ Outside lever is unlocked by toggle button if deadbolt is retracted. ◆ Inside lever is always free for immediate egress

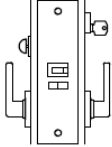
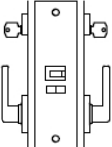
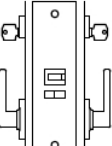
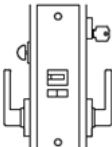
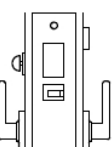
Mortise Locks – H Series

Model Numbers, Functions & Descriptions

Function	Model No.	Description
Latchbolt, Auxiliary Latch & Toggle Button		
	H3004 ANSI Function F04	Office or Entry <ul style="list-style-type: none"> Outside lever retracts latchbolt unless outside lever is locked (made inoperative) by operating toggle button Latchbolt retracted by key outside and inside lever when outside lever is locked Outside lever is locked and unlocked by toggle button Key outside locks outside lever only When latchbolt is retracted by inside lever, outside lever remains locked Auxiliary latch deadlocks latchbolt when door is closed Inside lever is always free for immediate egress
Latchbolt & Auxiliary Latch		
	H3004A ANSI Function F04	Office or Entry <ul style="list-style-type: none"> Outside lever retracts latchbolt unless outside lever is locked (made inoperative) by operating thumbturn Latchbolt retracted by key outside and inside lever when outside lever is locked Outside lever is locked and unlocked by thumbturn Key outside locks outside lever only When latchbolt is retracted by inside lever, outside lever remains locked Auxiliary latch deadlocks latchbolt when door is closed Inside lever is always free for immediate egress
	H2005 ANSI Function F05	Classroom Lock <ul style="list-style-type: none"> Key outside locks and unlocks outside lever Outside lever retracts latchbolt unless outside lever is locked by key When outside lever is locked, unlocked from outside by key or by inside lever Inside lever is always free for immediate egress Auxiliary latch deadlocks latchbolt when door is closed
	H2007 ANSI Function F07	Storeroom or Closet <ul style="list-style-type: none"> Latchbolt retracted by key outside or by lever inside Outside lever is always inoperative Inside lever is always free for immediate egress Auxiliary latch deadlocks latchbolt when door is closed
	H2009 ANSI Function F09	Apartment, Exit or Public Toilet <ul style="list-style-type: none"> Latchbolt retracted by lever from either side unless outside lever is locked by key from inside Key inside locks and unlocks outside lever When outside lever is locked, latchbolt retracted by key outside or by lever inside Auxiliary latch deadlocks latchbolt when door is closed Inside lever is always free for immediate egress

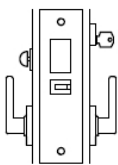
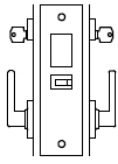
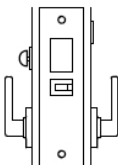
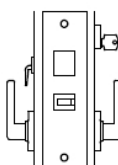
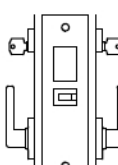
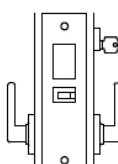
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Model Numbers, Functions & Descriptions

Function	Model No.	Description
Latchbolt & Auxiliary Latch		
	H2026 ANSI Function F26	Institutional Privacy <ul style="list-style-type: none"> ◆ Latchbolt retracted by lever from either side unless outside lever is locked by thumbturn inside ◆ Latchbolt retracted by key outside even when thumbturn is in locked position ◆ Outside lever is unlocked by operating inside lever or closing door ◆ Auxiliary latch deadlocks latchbolt when door is closed
	H2030 ANSI Function F30	Asylum or Institutional <ul style="list-style-type: none"> ◆ Latchbolt retracted by key from either side ◆ Levers on both sides are always inoperative ◆ Auxiliary latch deadlocks latchbolt when door is closed
	H2032 ANSI Function F32	Intruder Latchbolt <ul style="list-style-type: none"> ◆ Latchbolt retracted by lever from either side unless outside lever is locked by key from either side. ◆ When outside lever is locked, latchbolt is retracted by key outside or lever inside ◆ Turning key from either side locks and unlocks outside lever ◆ Auxiliary latch deadlocks latchbolt when door is closed ◆ Inside lever is always free for immediate egress
	H2037	Office with Auto Unlock <ul style="list-style-type: none"> ◆ Latchbolt retracted by lever from either side unless outside lever is locked (made inoperative) by outside key or operating thumbturn inside ◆ Outside lever is unlocked by outside key, operating thumbturn, or closing door ◆ Operating inside lever retracts latchbolt and unlocks outside lever simultaneously ◆ Inside lever is always free for immediate egress
Deadbolt & Latchbolt		
	H2402 ANSI Function F02	Privacy, Bedroom, or Bath <ul style="list-style-type: none"> ◆ Latchbolt retracted by lever from either side ◆ Unlocking deadbolt by operating thumbturn inside ◆ When deadbolt is projected, outside lever becomes inoperative ◆ Removing outside emergency release retracts deadbolt (i.e. removing a round plate from outside, then insert a Philips tip screwdriver into access hold and rotate to unlock door) <p>⊙ Deadbolt cannot be unlocked by operating inside lever</p>

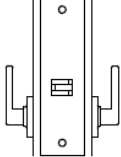
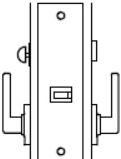
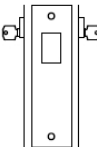
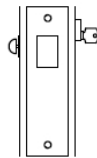
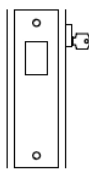
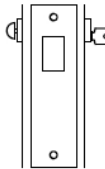
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Model Numbers, Functions & Descriptions

Function	Model No.	Description
Deadbolt & Latchbolt		
	H2413 ANSI Function F13	Dormitory or Exit <ul style="list-style-type: none"> ◆ Latchbolt retracted by lever from either side when deadbolt is in retracted position ◆ Deadbolt projected or retracted by key outside or thumbturn inside ◆ Projecting deadbolt locks outside lever <p>When deadbolt projected, operating inside lever retracts both deadbolt and latchbolt simultaneously</p>
	H2414 ANSI Function F14	Store Door <ul style="list-style-type: none"> ◆ Latchbolt retracted by lever from either side ◆ Deadbolt projected or retracted by key from either side ◆ Latchbolt and deadbolt are independent of each other
	H2419 ANSI Function F19	Privacy, Bedroom or Bath <ul style="list-style-type: none"> ◆ Latchbolt retracted by lever from either side ◆ Deadbolt projected or retracted by inside thumbturn ◆ Projecting deadbolt locks outside lever ◆ Operating inside lever retracts both deadbolt and latchbolt simultaneously, and unlock outside lever ◆ Removing outside emergency release retracts deadbolt (i.e. removing a round plate from outside, then insert a Philips tip screwdriver into access hold and rotate to unlock door) ◆ Inside lever is always free for immediate egress
	H2421 ANSI Function F21	Room Door <ul style="list-style-type: none"> ◆ Latchbolt retracted by lever from either side ◆ Deadbolt projected or retracted by key outside or thumbturn inside ◆ Latchbolt and deadbolt are independent of each other
	H2433 ANSI Function F33	Classroom Security Intruder Deadbolt <ul style="list-style-type: none"> ◆ Latchbolt retracted by outside lever unless outside lever is locked by key from inside or outside ◆ Deadbolt projected or retracted by key from both sides ◆ Operating inside lever retracts both deadbolt and latchbolt simultaneously and unlock outside lever ◆ Inside lever is always free for immediate egress
	H2465	Closet or Storeroom <ul style="list-style-type: none"> ◆ Latchbolt retracted by lever from either side ◆ Deadbolt projected or retracted by key outside

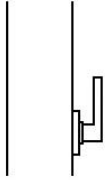
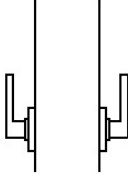

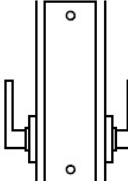
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Model Numbers, Functions & Descriptions

Function	Model No.	Description
Latchbolt Only		
	H1001 ANSI Function F01	Passage Latch <ul style="list-style-type: none"> ◆ Latchbolt retracted by lever from either side at all times ◆ Inside lever is always free for immediate egress
	H1022 ANSI Function F22	Privacy, Bedroom, Bath <ul style="list-style-type: none"> ◆ Latchbolt retracted by lever from outside unless outside lever is locked by inside thumbturn ◆ Operating inside lever retracts latchbolt and unlocks outside lever ◆ Removing outside Emergency Release unlocks outside lever ◆ Turning inside thumbturn locks and unlocks outside lever ◆ Inside lever is always free for immediate egress
Deadbolt Only		
	H1416 ANSI Function F16	Dead Lock: Double Cylinder <ul style="list-style-type: none"> ◆ Deadbolt projected or retracted by key from either side
	H1417 ANSI Function F17	Dead Lock: Inside Thumbturn & Outside Cylinder <ul style="list-style-type: none"> ◆ Deadbolt projected or retracted by key outside or thumbturn inside
	H1418 ANSI Function F18	Dead Lock: Single Cylinder <ul style="list-style-type: none"> ◆ Deadbolt projected or retracted by key outside ◆ No trim on opposite side
	H1429 ANSI Function F29	Dead Lock: Inside Thumbturn & Outside Cylinder <ul style="list-style-type: none"> ◆ Deadbolt projected or retracted by key from outside ◆ Inside thumbturn cylinder retracts deadbolt but cannot project it

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Model Numbers, Functions & Descriptions

Function	Model No.	Description
Dummy Trims		
	H0071	Single Dummy Trim <ul style="list-style-type: none"> ♦ Lever on one side fixed by mounting bar, it is always rigid ♦ Lever only used as door pull
	H0072	Double Dummy Trim <ul style="list-style-type: none"> ♦ Lever on both sides fixed by mounting bar and are always rigid ♦ Lever only used as door pull
	H0075	Single Dummy Trim with Lock Case <ul style="list-style-type: none"> ♦ Lever on one side fixed on door surface, it is always rigid ♦ Includes lock case and armor faceplate
	H0076	Double Dummy Trim with Lock Case <ul style="list-style-type: none"> ♦ Lever on both sides fixed on door surface and are always rigid ♦ Includes lock case and armor faceplate

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Accessories & Options



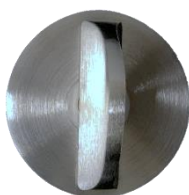
120 Round Rose

2-7/16" (62mm) diameter,
13/32" (10mm) projection.
Material: Stainless steel.
Specify finish when ordering.



211 Spring Cage

Round design.
For sectional trim.
Cast zinc housing
Finish: Zinc plated.



133 Thumbturn

Base: 1-23/32" (43.7mm) diameter.
Turnpiece: 1-9/16" (39.8mm) long.
Material: Stainless steel (plate);
Cast zinc (Turnpiece).
Specify finish when ordering.



212 Spring Cage

Square design.
For escutcheon trim.
Cast zinc housing.
Finish: Zinc plated.



146 Emergency Release

Base: 1-23/32" (43.7mm) diameter.
Material: Stainless steel.
Specify finish when ordering.



250 Cylinder Guard

1-23/32" (44mm) diameter,
9/32" (7.3mm) projection.
Standard for 1-1/8" (28mm)
mortise cylinder use.
Material: Stainless steel.



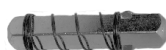
H Escutcheon

Material: Stainless steel.
Size: 8" x 1-15/16" x 1/2"
(203 x 49.7 x 12.5mm)



252 Cylinder Guard

1-11/16" (43mm) diameter,
7/16" (10.9mm) projection.
Available for use with 1-3/8"
(35mm) mortise cylinder.
Material: Cast zinc.
Order separately



210 Spindle

Material: Steel.
Finish: Rust-resistant zinc
dichromate plated.



255 Cylinder Guard

1-25/32" (45mm) diameter,
21/32" (17mm) projection.
Available for much longer
mortise cylinder use.
Material: Cast zinc.
Order separately.



258 Wave Spring

Used with cylinder guard as spacer;
included with cylinder guards when
ordering.

Note:

When ordering the ancillary parts (including cylinder guards, round roses, thumbturns, emergency release plates, and escutcheons), you must specify the finish.

These parts are available in finishes US3, US4, US10, US10B, US19, US26, US26D, US32 and US32D.

Mortise Locks – H Series

Accessories / Cylinder, Armor Faceplate & Strike

Standard Mortise Cylinder



No. **526** 1-1/8" (29mm)

No. **527** 1-1/4" (32mm)



Schlage Cam
L583-254

Material:
Cylinder body – Solid brass
Cylinder face – Brass or stainless steel
Cylinder cam is comparable with Schlage L583-254.

Face finishes: US3, US4, US10, US10B, US26, US26D, US32, US32D

Interchangeable Core (IC) Cylinder



No. **206** 6-pin 1-1/4" (32mm)

No. **208** 7-pin 1-3/8" (35mm)

Face finishes: US3, US4, US10, US10B, US26, US26D, US32, US32D

This interchangeable core (IC) cylinder enables immediate rekeying at the door by using a "control key" to replace the core within seconds. There is no need to remove the entire cylinder from the door.



To order an IC cylinder without core, add the suffix NIC to the item number (e.g. 208NIC).

**Note: IC cylinders are non-stock items with MOQ 300 pcs and lead time >60 days. Contact our sales representative for details.*

Interchangeable Core Only

No. **106** 6-pin

No. **108** 7-pin



Available US4 and US26D finish only.

This core is compatible with cylinder manufacturers such as Falcon, Best Arrow, and Schlage. Cams are easily changeable.

Thumbturn Cylinder



No. **522** RH (Right hand)

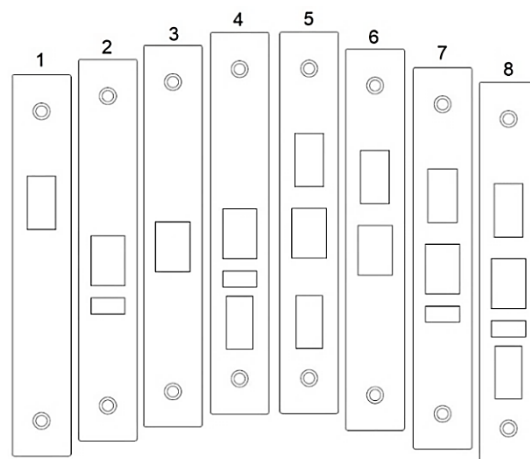
No. **523** LH (Left hand)

This cylinder is for classroom and deadlock functions. It is handed and furnished with a Schlage cam #L583-254. The standard length is 1-1/8".

Specify finish when ordering.

Armor Faceplate

Material: Stainless steel

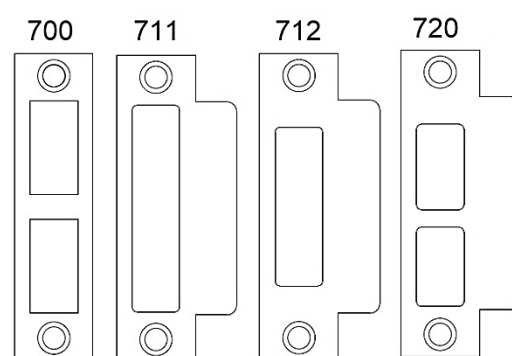


Strikes

Material: Stainless steel

Finishes: US3, US4, US10, US10B, US26, US26D, US32, US32D

Curved lip strikes are not compatible with double doors with overlapping astragal. Use #700 strike instead.



Strike Box

No. **215**

Plastic material with black finish

Mounting face: 4-3/4" x 1-3/16"
(121 x 30.5mm)



Mortise Locks – H Series

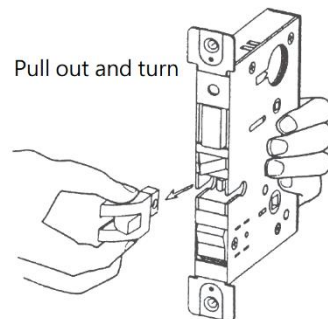
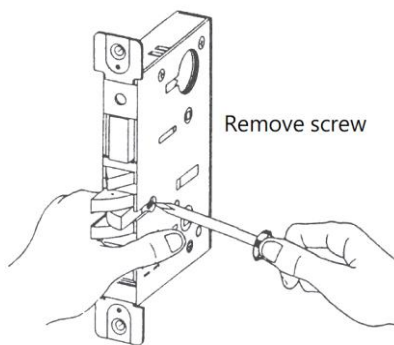
Door Handing & Lock Handing

Door Handing

The handing of our heavy-duty mortise lock can be reversed by the seller or installer quickly and easily without opening the lock body. Only two simple steps are required to change the handing of our mortise lock. This feature allows buyers and distributors to stock the product and customize the handing according to each order's requirements.

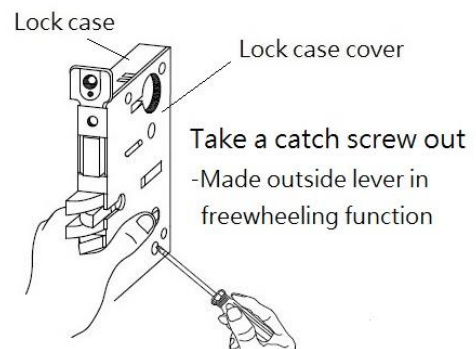
1. Change Latchbolt Handing

If the latchbolt's handing does not match the door hand, remove the fixing screw and pull the latchbolt out from the lock case. Then rotate the complete unit, so the bevel of the latchbolt matches the desired door handing.

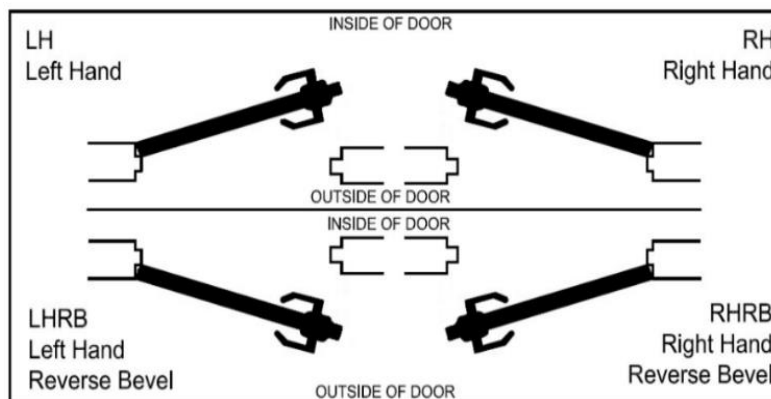


2. Set Outside Handing of Chassis (Lock Case Set)

There are catch screws for lock handing on both sides of the chassis. Remove the catch screw from the side of the chassis that will face the outside of the door. The other catch screw must remain on the inside of the chassis.



Lock Handing



Door handing is determined from outside or corridor view.