

H Series

Mortise Locks

Commercial Heavy Duty
Grade 1

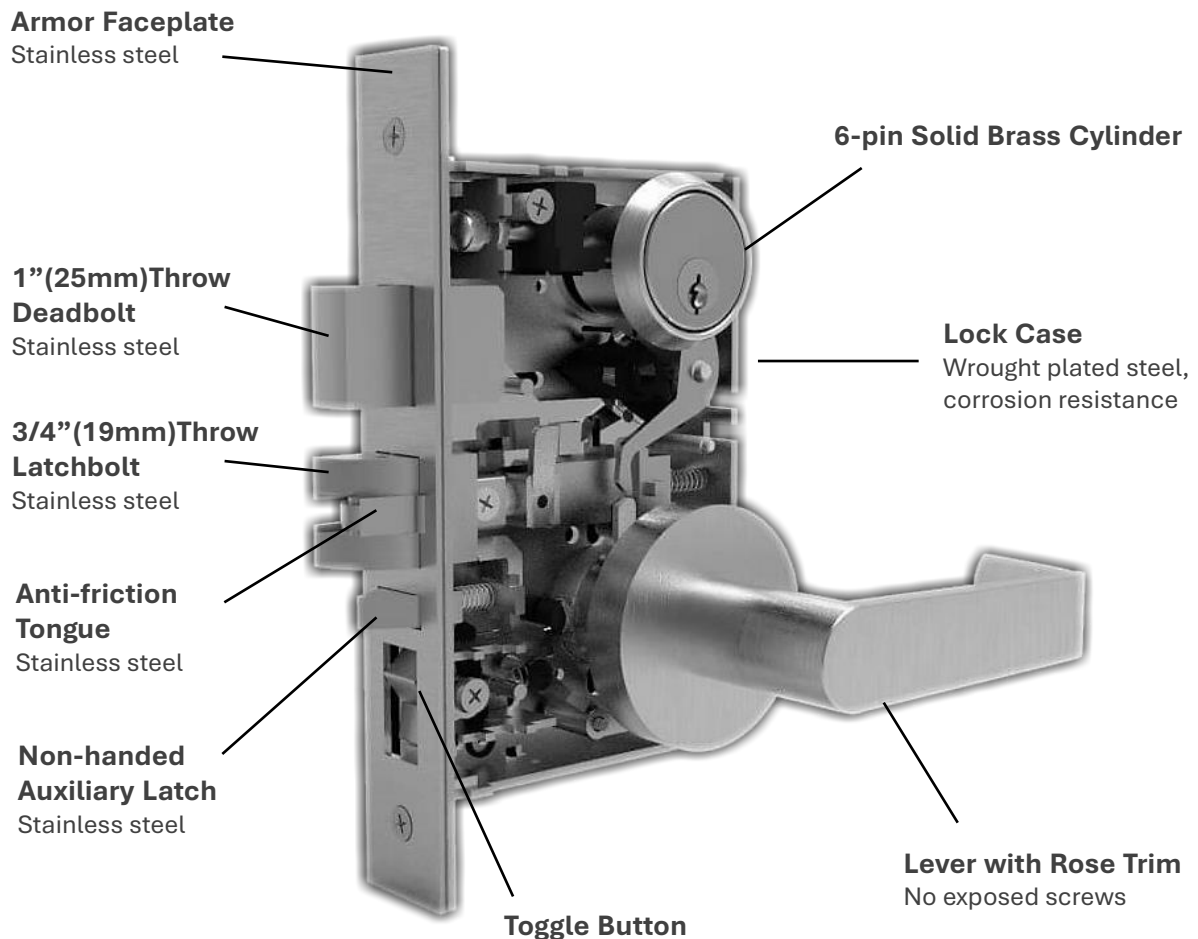
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Mortise Locks – H Series

ANSI A156.13 Grade 1, Commercial Heavy Duty

Our heavy-duty mortise locks comply with American National Standard Institute requirement (ANSI A156.13 – 2017 Grade 1). We offer a full range of multiple models to meet different demand for commercial, institutional, and industrial applications.



Features

- Full reversible design.
- No exposed mounting screws on outside and inside trims.
- Outside lever is *clutch freewheeling* design. The lever rotates when the lever is locked preventing excessive force from being applied to the horizontal level. This design can decrease the lever to be broken or damaged.

Certifications

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

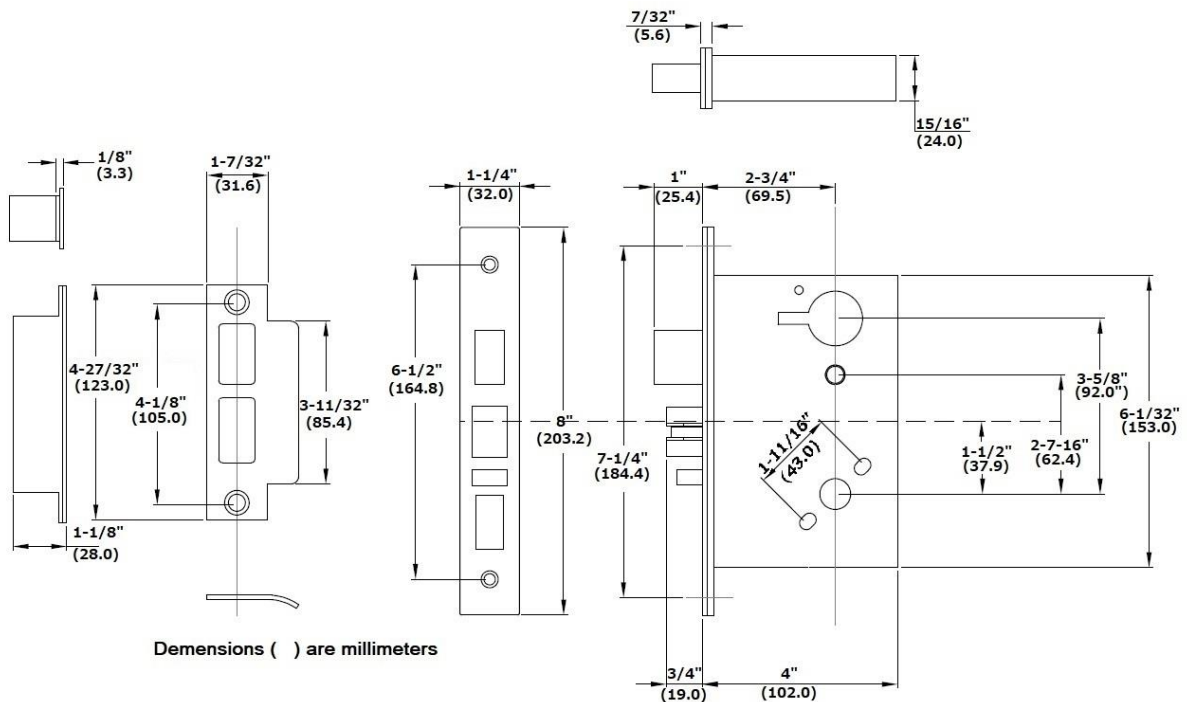
Mortise Locks – H Series

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
Lock Hand	Lock bodies are easily filed reversible, no need to specify hand when ordering
Backset	2-3/4" (70mm) only
Lock case	Heavy duty wrought steel; zinc dichromate plated
C to C	⌀ lever to ⌀ cylinder is 3-5/8" (92mm)
Armor Faceplate	Stainless steel; 8" x 1-1/4" (203.2mm x 32.0mm); 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; ANSI Standard A115.1; curve lip with dust box
Cylinders	Our lockcase can receive cylinders from other manufacturers. For details and Cam type, please see page 15.
Masterkeying	Can be masterkeyed or grand masterkeyed, construction keying available
Finishes	US3, US4, US10, US10B, US26, US26D, US32, US32D

Dimensions

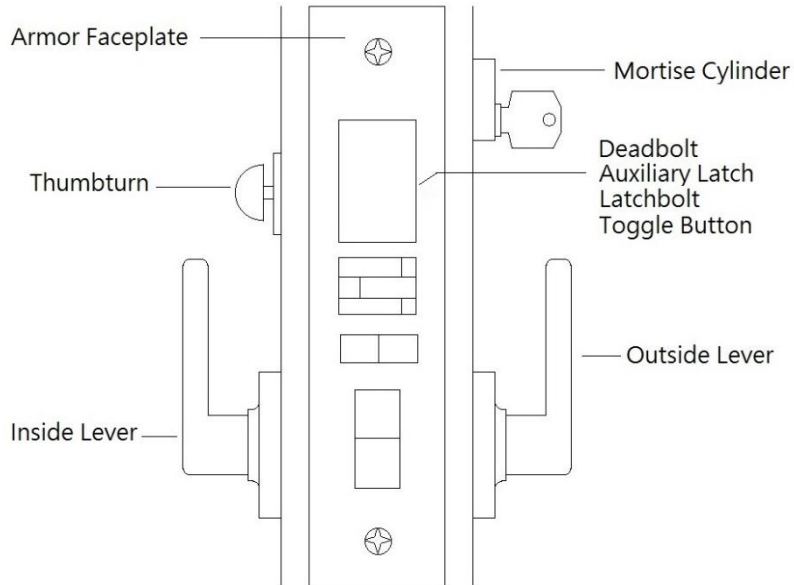


Mortise Locks – H Series

ANSI A156.13 Grade 1, Commercial Heavy Duty

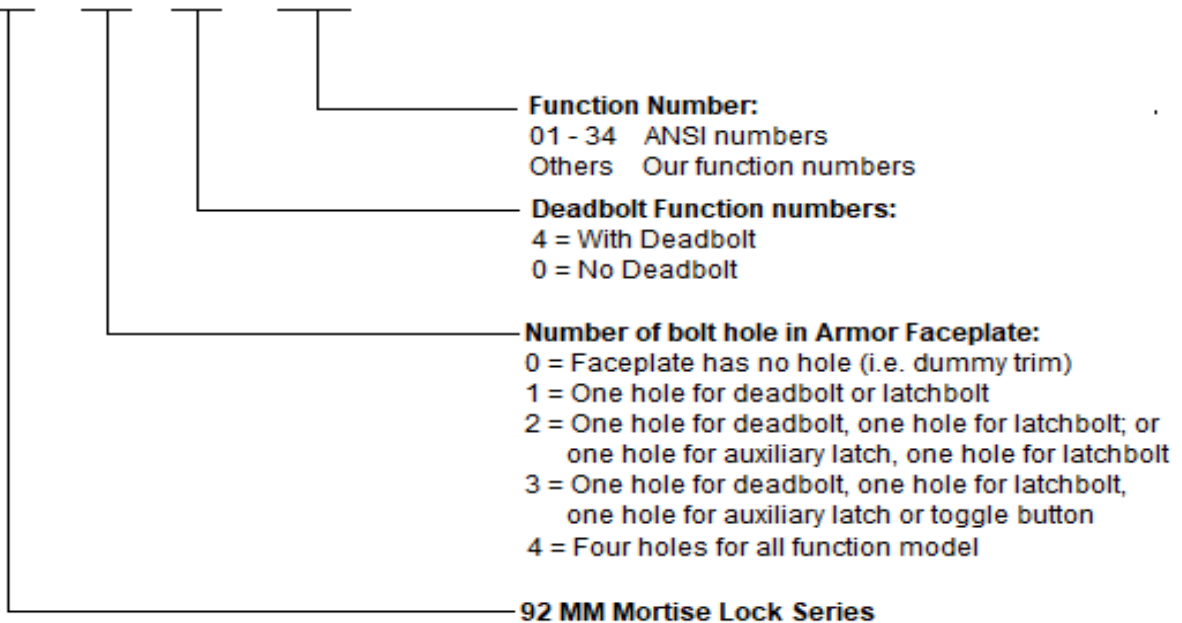


ANSI Function Diagram



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

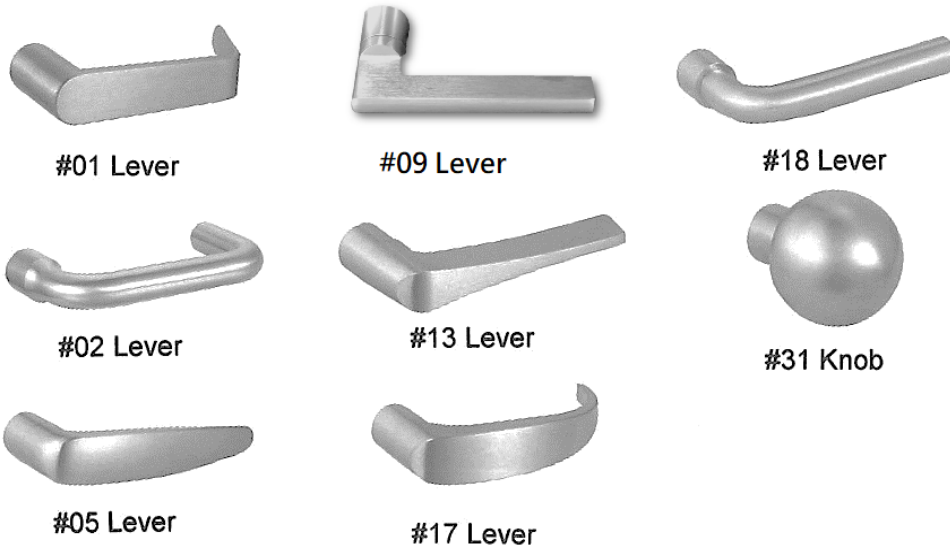
Trim Feature

- Our mortise lock is coupled with clutch freewheeling trim that is designed for areas where are susceptible to vandalism including schools, universities, multi-tenant buildings, apartments, athlete's locker rooms at indoor stadiums and gymnasiums, or other public buildings.
- The clutch freewheeling design allows the outside lever to swing freely and down to 45 degrees. The outside lever rotates when the door is locked preventing excessive or abusive force from being applied to the lever trim. This advantage can eliminate resetting the trim after vandalism attempts because the lever returns to its original position automatically, also it can decrease the lever handle to be broken and damaged.

Mortise Locks – H Series

Levers

Other Lever Styles



Lever Material

Lever	Material Options
No.01	Forged brass or bronze, cast stainless steel, or cast zinc alloy
No.02	Hollow or solid tube, extruded or cast stainless steel
No.05	Forged brass or bronze, cast stainless steel, or cast zinc alloy
No.09	Cast zinc alloy
No.13	Forged brass or bronze, cast stainless steel, or cast zinc alloy
No.17	Forged brass or bronze, 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 upon material used. When asking a quote, please indicated your material choice: Forged Brass/Bronze (BR), Cast Stainless Steel (SS), Cast Zinc Alloy (ZA)
- If a complete unit of mortise lock is ordered, the escutcheon design of both lever and knob trims does not use a cylinder guard as the cylinder is protected by escutcheon. The cylinder guard is just used for the rose design of both lever and knob trims, but it is not an included part. Details see page 14.

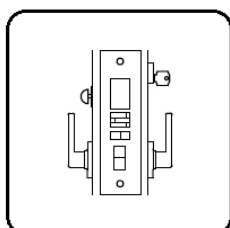
Finishes

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

Mortise Locks – H Series

Model Numbers, Functions & Descriptions

ANSI No.	Model No.	Description
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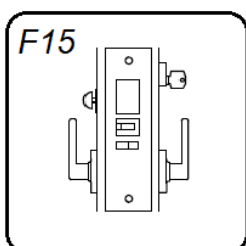


H4486

All Purpose

- ◆ 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

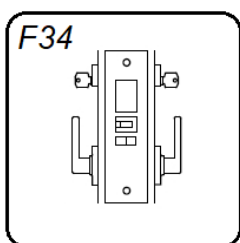
Deadbolt, Latchbolt
& Auxiliary Latch



H3415

Hotel Guest

- ◆ 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

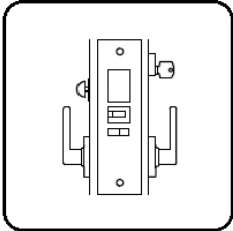
Classroom Security Intruder Deadbolt

- ◆ Latchbolt retracted by lever from either side unless outside lever is locked by key from inside or outside
- ◆ Deadbolt projected or retracted by key outside
- ◆ 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

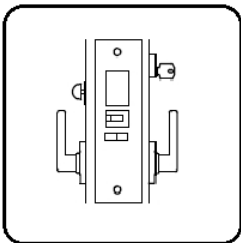
ANSI No.	Model No.	Description
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H3486

Entrance Lock

- ◆ 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

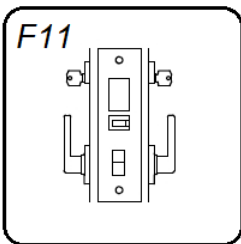


H3488

Faculty Restroom

- ◆ 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
- ⊙ This function operates with a special cylinder

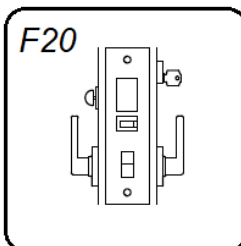
Deadbolt, Latchbolt
& Toggle Button



H3411

Dormitory or Exit

- ◆ 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



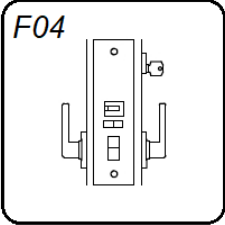
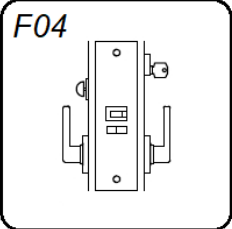
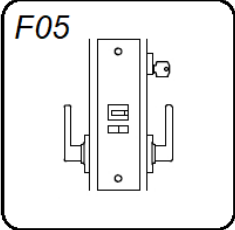
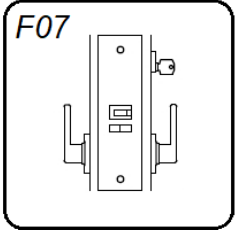
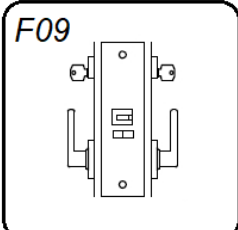
H3420

Apartment Corridor Door

- ◆ 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

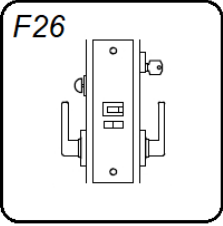
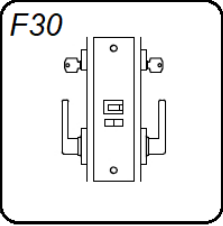
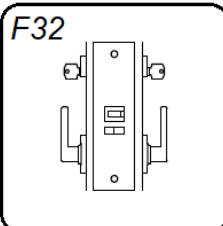
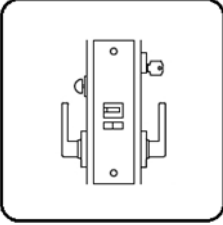
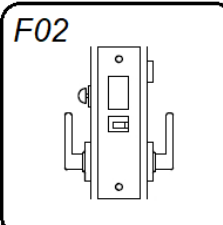
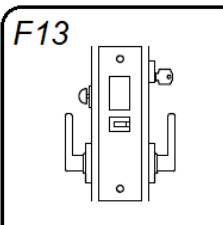
Mortise Locks – H Series

Model Numbers, Functions & Descriptions

ANSI No.	Model No.	Description
Latchbolt, Auxiliary Latch & Toggle Button		
	H3004	<p>Office or Entry</p> <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	<p>Office or Entry</p> <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	<p>Classroom Lock</p> <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	<p>Storeroom or Closet</p> <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	<p>Apartment, Exit or Public Toilet</p> <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

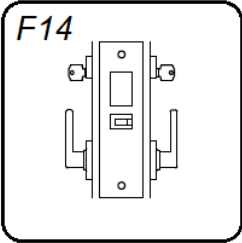
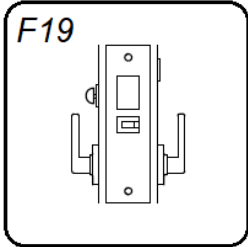
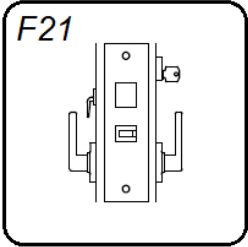
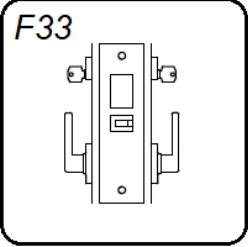
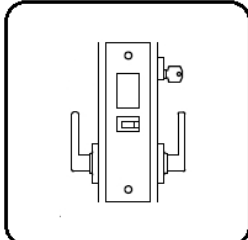
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Model Numbers, Functions & Descriptions

ANSI No.	Model No.	Description
	H2026	<p>Institutional Privacy</p> <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	<p>Asylum or Institutional</p> <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	<p>Intruder Latchbolt</p> <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	<p>Office with Auto Unlock</p> <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
<i>Deadbolt & Latchbolt</i>		
	H2402	<p>Privacy, Bedroom, or Bath</p> <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) ⊙ Deadbolt cannot be unlocked by operating inside lever
	H2413	<p>Dormitory or Exit</p> <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 ◆ When deadbolt projected, operating inside lever retracts both deadbolt and latchbolt simultaneously

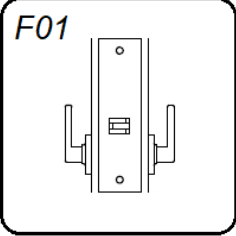
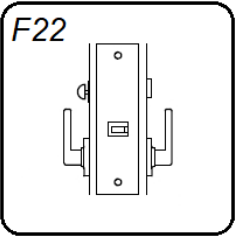
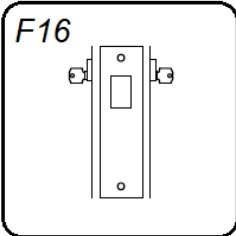
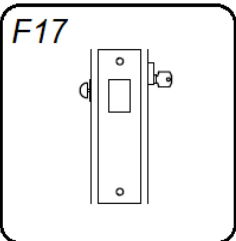
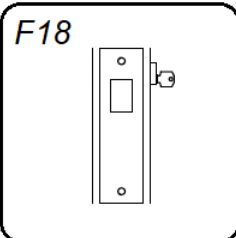
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Model Numbers, Functions & Descriptions

ANSI No.	Model No.	Description
	H2414	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	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	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	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 outside◆ 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

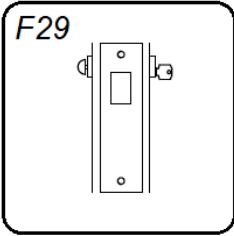
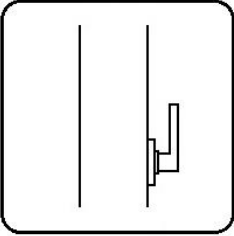
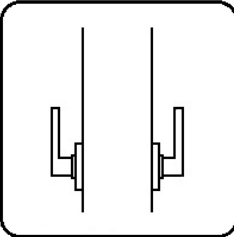
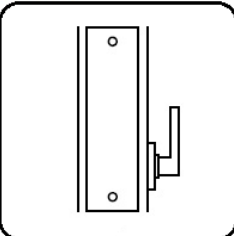
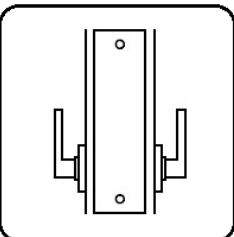
Mortise Locks – H Series

Model Numbers, Functions & Descriptions

ANSI No.	Model No.	Description
<i>Latchbolt Only</i>		
	H1001	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	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
<i>Deadbolt Only</i>		
	H1416	Dead Lock: Double Cylinder <ul style="list-style-type: none">◆ Deadbolt projected or retracted by key from either side
	H1417	Dead Lock: Inside Thumbturn & Outside Cylinder <ul style="list-style-type: none">◆ Deadbolt projected or retracted by key outside or thumbturn inside
	H1418	Dead Lock: Single Cylinder <ul style="list-style-type: none">◆ Deadbolt projected or retracted by key outside◆ No trim on opposite side

Mortise Locks – H Series

Model Numbers, Functions & Descriptions

ANSI No.	Model No.	Description
	H1429	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
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

Mortise Locks – H Series

Accessories & Options



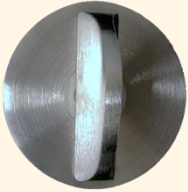
120 Round Rose

2-7/16" (62mm) diameter
13/32" (10mm) projection
Wrought stainless steel
Specify finish when ordering



211 Spring Cage

Round design for sectional trim
Cast zinc housing
Zinc plated



133 Thumbturn

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



212 Spring Cage

Square design for escutcheon trim. Cast zinc housing. Zinc plate.



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. Wrought
stainless steel



H Escutcheon

Material:
Wrought 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 use.
Material: Cast zinc alloy.
Order separately



210 Spindle

Material: square 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 alloy.
Order separately



258 Wave Spring

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

Note:

When ordering the ancillary parts such as cylinder guards, round rose, thumbturn, emergency release plate, and escutcheons, must specify finish. All these parts are available in US3, US4, US10, US10B, 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)

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



Schlage Cam
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 offers immediate rekeying at door simply by using the special "control key" to replace the core in seconds. It is unnecessary to remove a cylinder.



To order IC cylinder less core, add suffix **NIC** with the item number such as 208NIC

** IC cylinders are not regular items; orders should meet the conditions of MOQ 300 pcs and L/T>60 days. Please contact our sales representative for more information.*

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

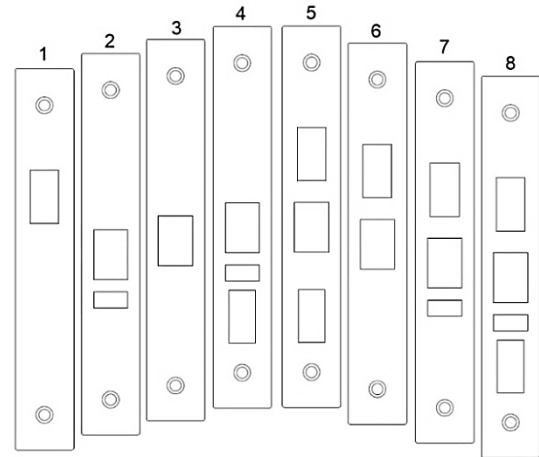


No. **522** RH (Right hand)
No. **523** LH (Left hand)

This cylinder is for classroom function and deadlocks use. It is handed. This cylinder furnished with Schlage cam #L583-254. 1-1/8" length standard. Specify finish when ordering.

Armor Faceplate

Material: Stainless steel

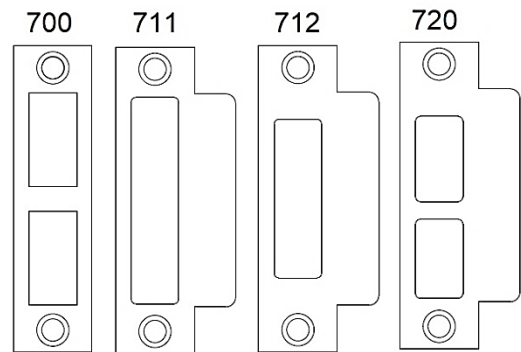


Strikes

Material: Stainless steel

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

Curved lip strikes are not available to use on the double doors with overlapping astragal. If so, specify to change #700 strike when ordering.



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

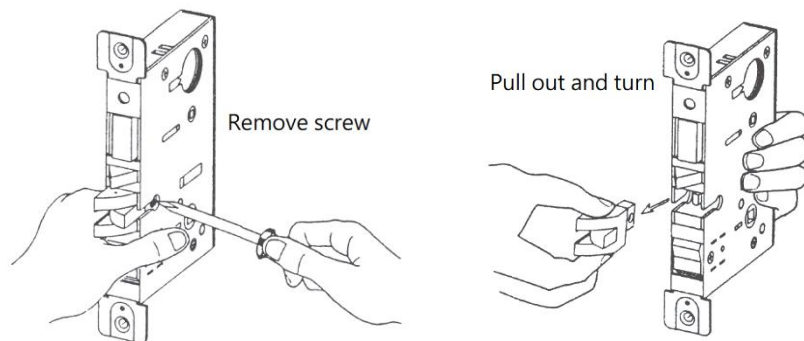
Door Handing & Lock Handing

Door Handing

The hand of our heavy-duty mortise lock can be re-handed by seller or installer quickly and easily without opening the lock body. Just two simple steps are required to change the hand of our mortise lock as follows. This feature allows the buyers and every distributor to order it as stock and customize the handing to meet each order's requirement.

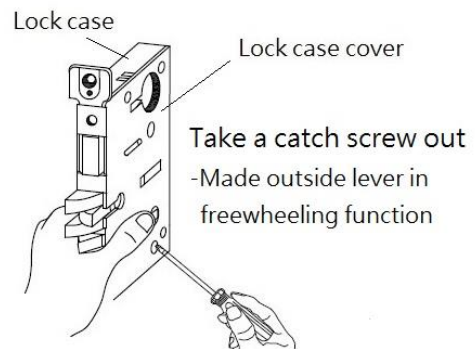
1. Change Latchbolt handing

If the hand of latchbolt does not match door hand, remove fixing screw, and pull latchbolt out from lock case, then turn complete unit having the bevel of latchbolt to reverse door handing. Position latchbolt and fasten it.

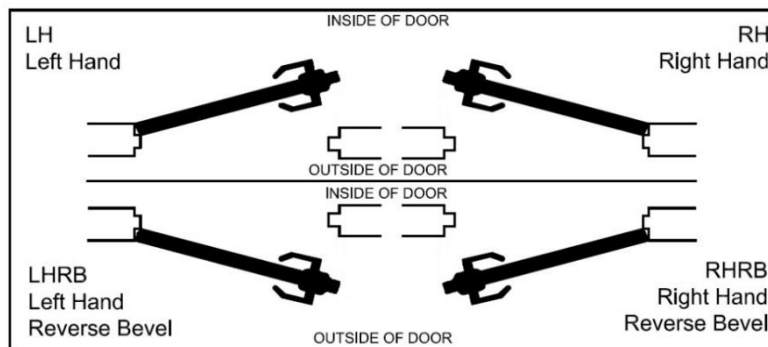


2. Set outside hand of chassis (lock case set)

There are two catch screws of lock hand on both sides of chassis. Take catch screw out from one side of chassis which is going to face outside of door. And another catch screw must always be on *inside* of the chassis. For RH and LHR, the catch screw will be on the lock case side. For LH and RHR, the catch screw will be on the lock case cover side.



Lock Handing



Door hand is determined by door swing when viewed from outside or corridor side of door.