

48H and 49H mortise locks

Installation Instructions

Tools needed:

Tape measure



Pencil

Tape



Ruler

Center punch



Phillips screwdriver

Level



Chisel

3/4" [19.05]
1-1/4" [31.75]



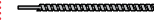
Tap bit

#8-32
#12-24



Auger bit

1" [25.4]



Spade bit

1" [25.4]



Drill bit

1/2" [12.7]
9/16" [14.29]



Hole saw

Ø1-1/4" [31.75]
Ø1-3/4" [44.45]



Overview

A Faceplate

B 49H inside trim

C Mortise lockset

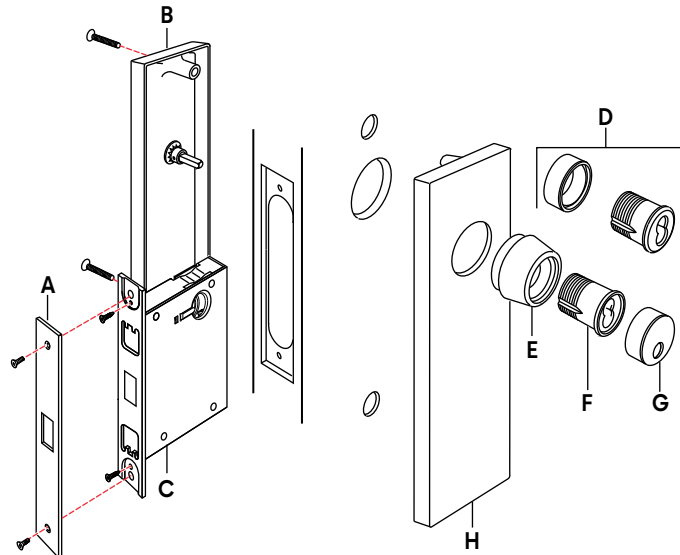
D 48H trim

E 49H ring

F 49H cylinder

G 49H cylinder face

H 49H outside escutcheon



1 Marking lockset and strike centerlines

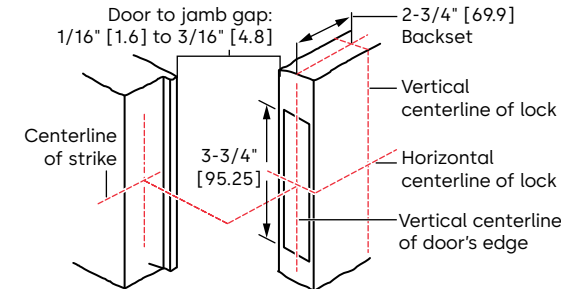


CAUTION! If you use hollow metal doors, decide whether doors are reinforced enough to support lock. If door reinforcement is not adequate, consult door manufacturer about proper reinforcement.

NOTE: Prepare door according to ANSI A 115.1 before using these instructions.
NOTE: BEST suggests a 38" [965.2] as measured from floor to lock centerline.

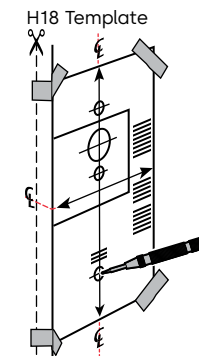
- 1.1 Mark horizontal centerline of lock on both sides of door and on door's edge.
- 1.2 Mark vertical centerline of lock on door's edge.

- 1.3 Mark vertical centerline of lock on both sides of door, aligning with vertical centerline on door's edge.
- 1.4 Mark horizontal centerline of strike on door jamb in line with centerline of lock.



2 Marking lockset holes

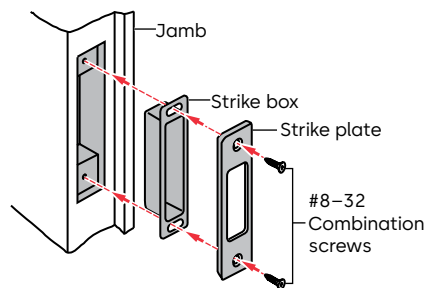
- 2.1 Cut H18 template along dashed line.
- 2.2 Align horizontal and vertical arrows to marked centerlines on door.
- 2.3 Tape template onto door.
- 2.4 Use a center punch to mark holes.



3 Installing strike

- 3.1 Using H18 template, mortise jamb, install strike box and strike plate.

NOTE: See H17 Door preparation for 48H-49H mortise locks, T81183.

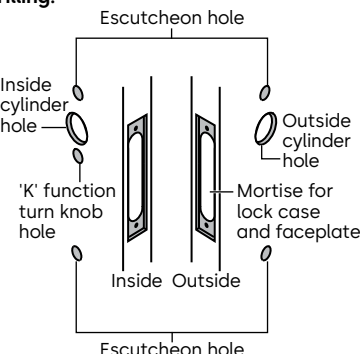


4 Mortising door and drilling lockset holes

NOTE: Check lock for function before drilling.

- 4.1 Mortise door for lockset and faceplate.
4.2 Drill only holes required for lock function and trim.

NOTE: See H17 Door preparation for 48H-49H Mortise Locks, T81183 for hole requirements.



5 Installing mortise lockset

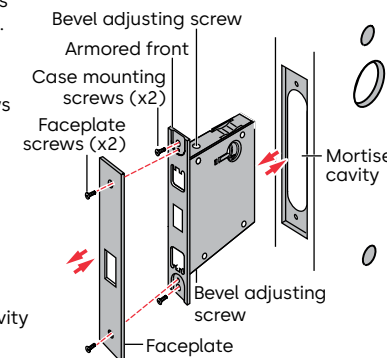
- 5.1 Remove faceplate and two faceplate screws from lockset.
5.2 Loosen bevel adjusting screws on top and bottom of lockset.
5.3 Adjust bevel of armored front to match door bevel.
5.4 Tighten bevel adjusting screws to secure armored front.

For 'R' function only:

CAUTION! If handing of 'R' turn knob is incorrect, you can be locked in.

NOTE: Check cylinder and lock for proper operation.

- 5.4 Insert lockset into mortise cavity
5.5 Secure lockset with two case mounting screws.



6 Installing trim

To install 48H trim:

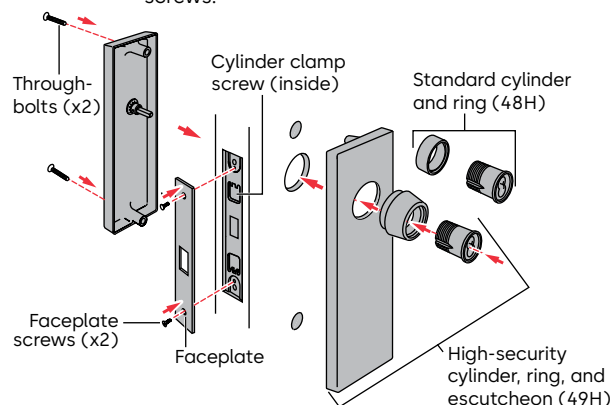
- 6.1 Install cylinder(s) and ring(s) and fasten with cylinder clamp screw(s).
6.2 Install thumb turn if needed.
6.3 Position faceplate in proper location on lockset; secure with two faceplate screws.
6.4 Check lock for proper operation.

To install 49H trim:

- 6.1 Position inside and outside escutcheons opposite each other and screw them loosely in place.
6.2 Insert high-security cylinder(s) and ring(s) into cylinder hole(s).
6.3 Thread cylinder(s) into case until cylinder head touches inside rim of ring.
6.4 Secure cylinder(s) with cylinder clamp screw(s).

- 6.5 Tighten through-bolts.

- 6.6 Position faceplate in proper location on lockset; secure with two faceplate screws.



7 Installing core

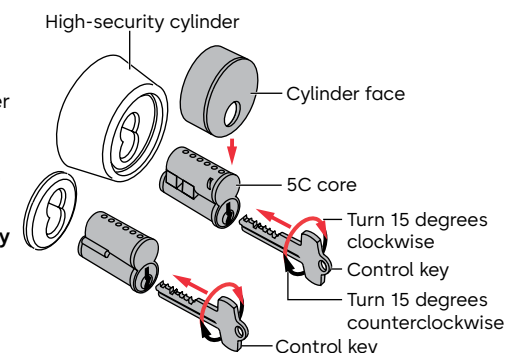
For 5C cores only:

- 7.1 Slide cylinder face down over 5C core.

For all cores:

- 7.2 Insert control key into core (or cylinder face) and turn key 15 degrees clockwise.
7.3 Adjust throw pins if needed, then insert core (and cylinder face) into cylinder with control key.
7.4 Turn key 15 degrees counterclockwise and remove key.

NOTE: These steps also apply to core removal.



Document translations available.

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<https://dhwsupport.dormakaba.com/hc/en-us>

for assistance and warranty information.

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