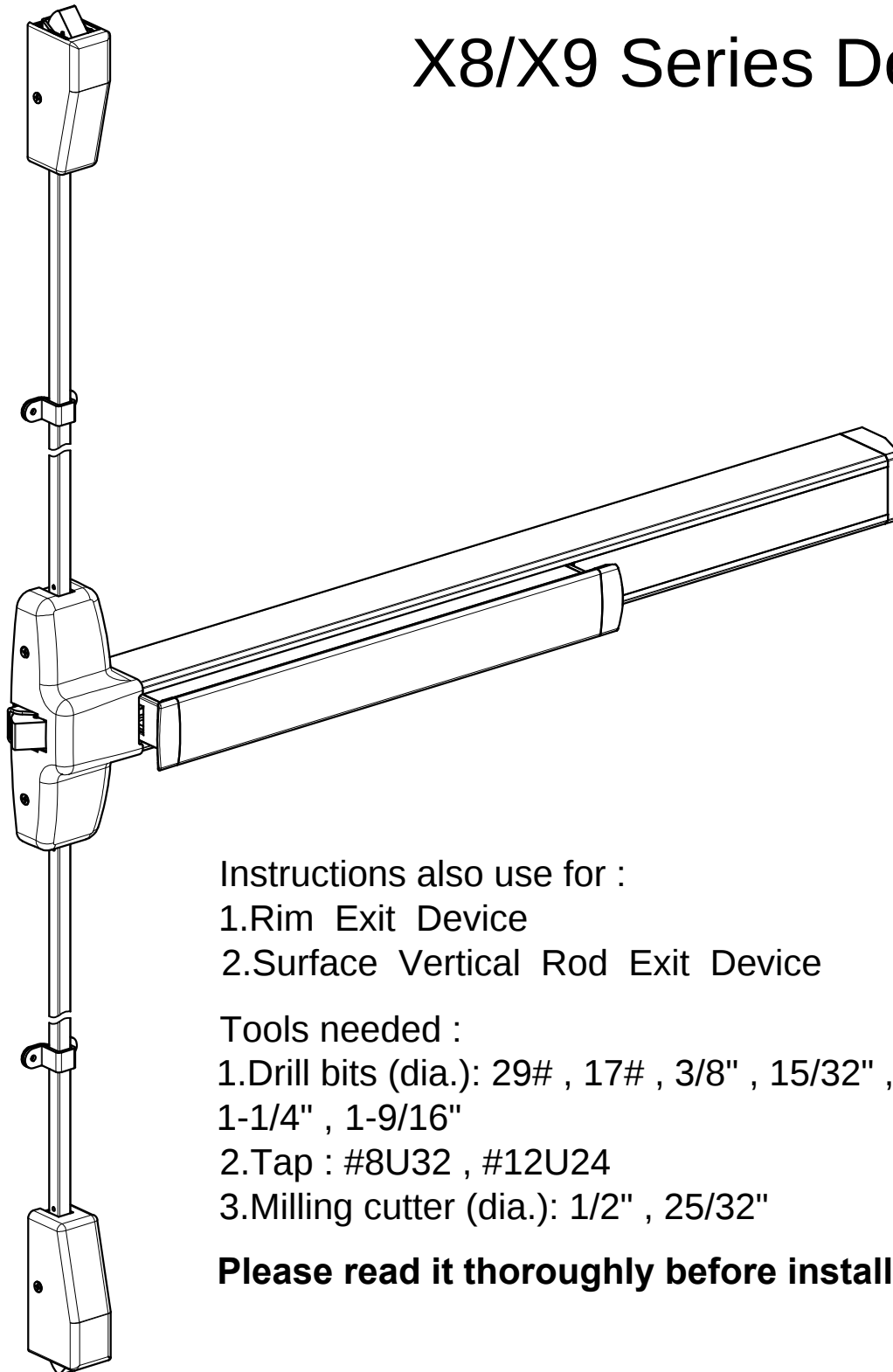


MULTI-POINT COMBINATION RIM AND SURFACE VERTICAL ROD EXIT DEVICE INSTALLATION INSTRUCTIONS

X8/X9 Series Device



Instructions also use for :

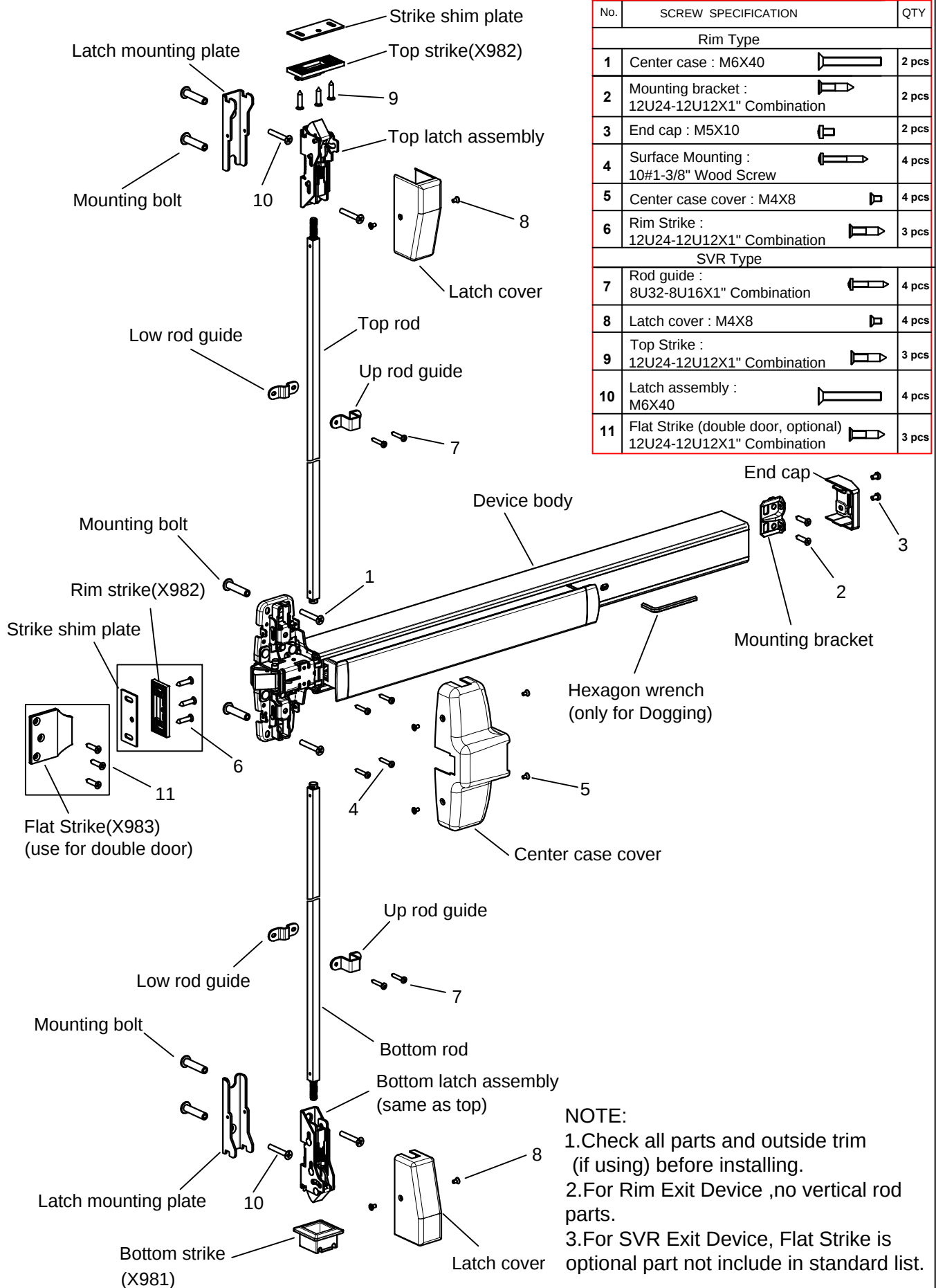
- 1.Rim Exit Device
- 2.Surface Vertical Rod Exit Device

Tools needed :

- 1.Drill bits (dia.): 29# , 17# , 3/8" , 15/32" , 5/8" , 1-1/4" , 1-9/16"
- 2.Tap : #8U32 , #12U24
- 3.Milling cutter (dia.): 1/2" , 25/32"

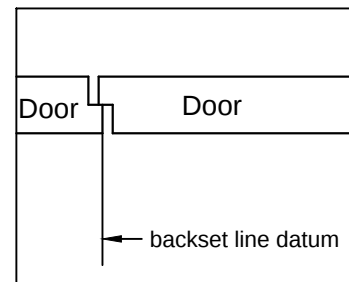
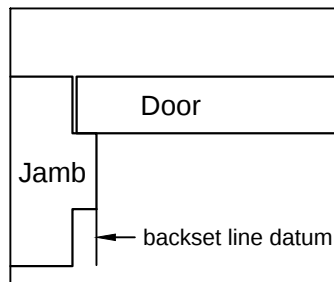
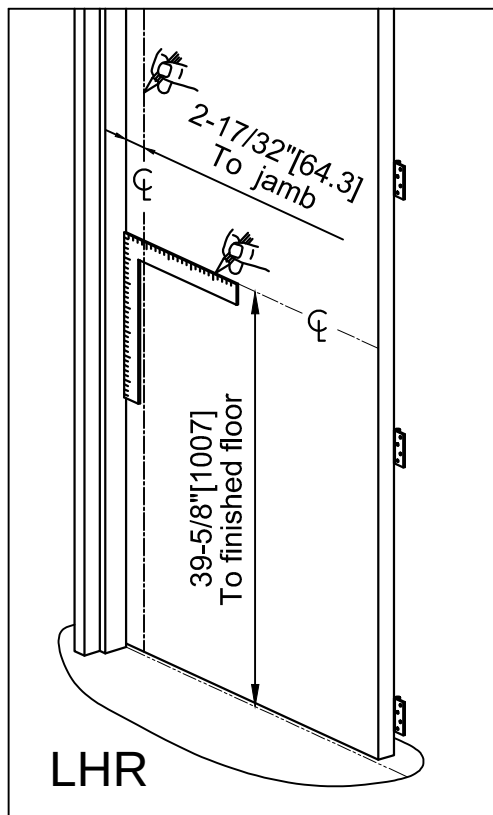
Please read it thoroughly before installation.

DESIGNATION OF PARTS

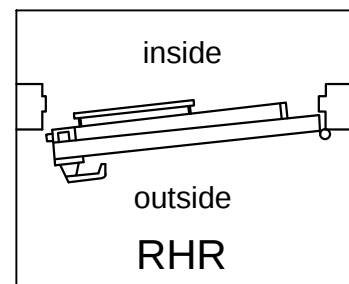
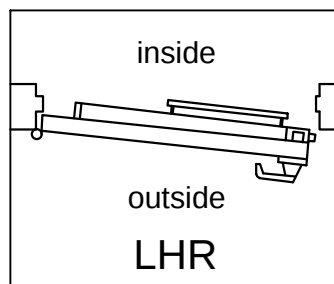


1.PREPARE DOOR

1.Mark center line and backset line of device (ϕ) by drawing a line across the door.

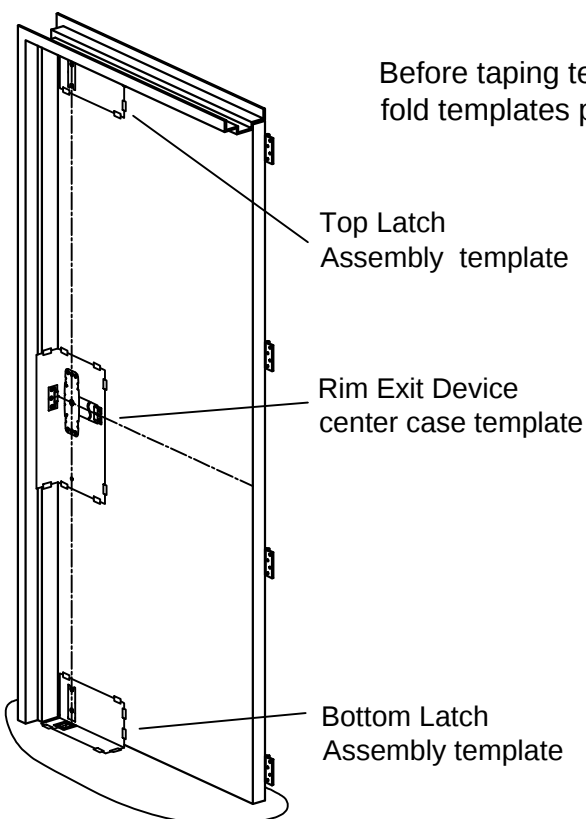


Datum for different door

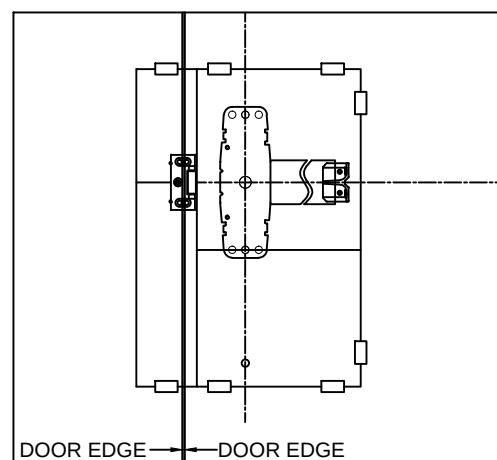


Opening direction of door

2.Folding templates , align templates along center line , attach templates to tape to door and frame , prepare door , using template . Latch assembly templates are unnecessary for Rim Exit Device.

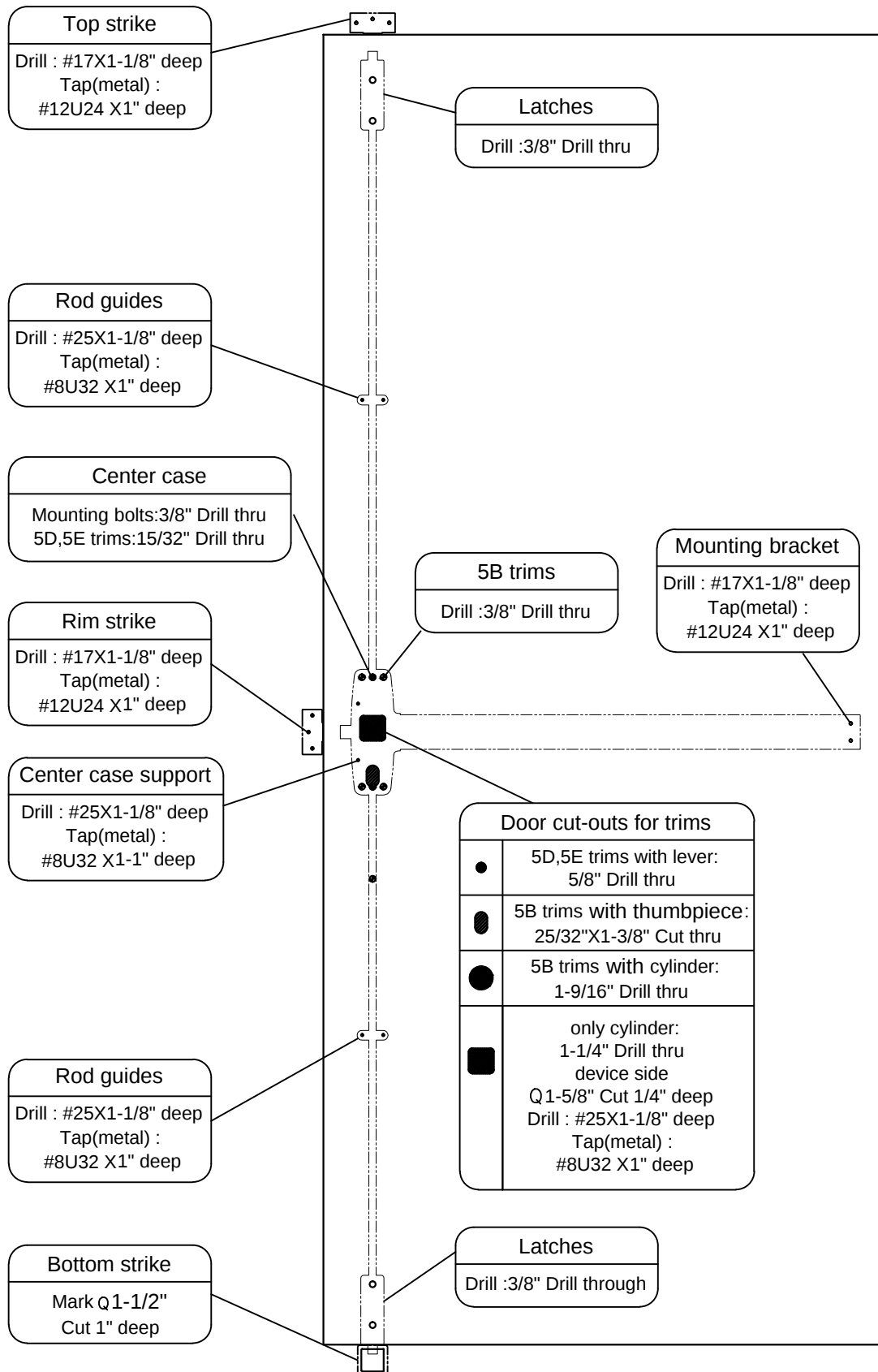


Before taping template , check the door is on closing position , fold templates perpendicular and tape on the door.



For double door or other door have no bulge stop , need to use the flat strike , not folding the rim template.

PREPARATION CHART



2.INSTALL DEVICE

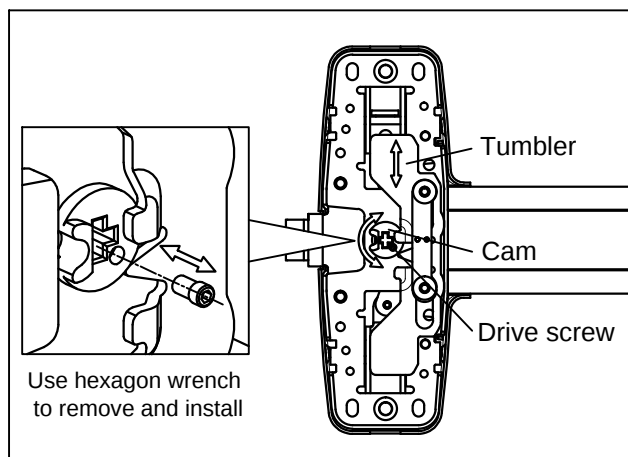
1.If necessary , remove NL drive screw.

NL drive screw installed on center case before leaving factory.

With NL drive screw installed , key retracts latch bolt.

With NL drive screw removed , key locks and unlocks thumbpiece.

If function needed thumbpiece to be unlocked at all times , remove drive screw and rotate cam to change tumbler 's position to fit LHR or RHR , then reinstall drive screw.

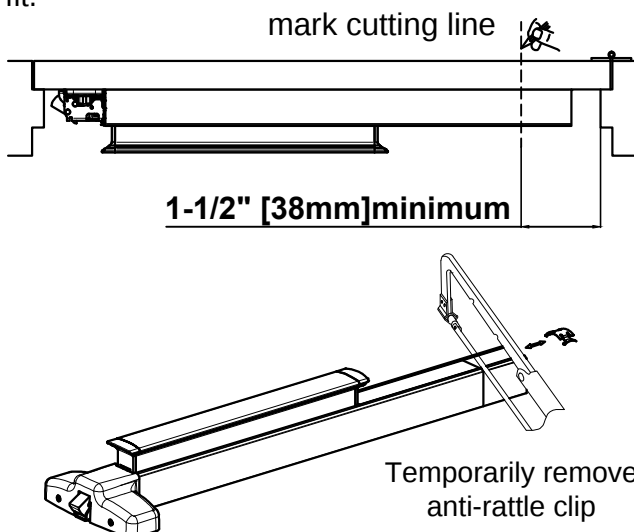


2.If necessary , cut device.

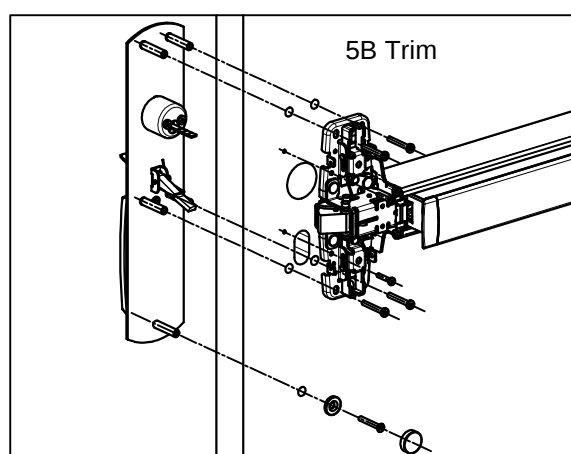
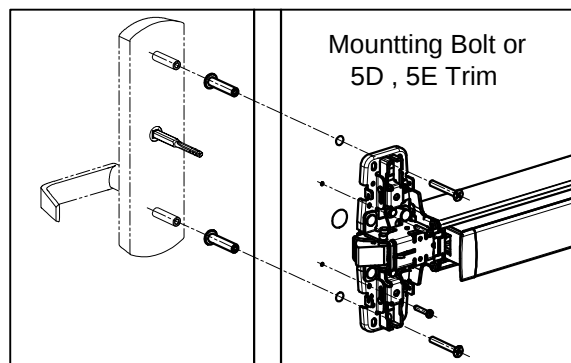
Remove center case cover , put device on door and fit mounting hole , check 1-1/2"[38mm] minimum clearance from jamb(with end cap remove).

If device is too long for door , temporarily remove anti-rattle clip , cut off the Mechanism housing and Cover plate,remove all burrs.

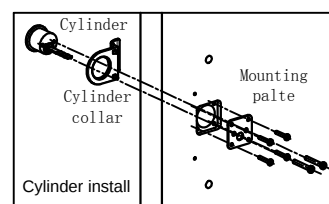
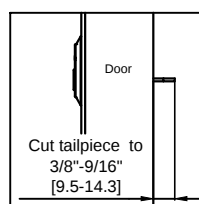
Device must be cut square for proper end cap fit.



3. Install center case and trim(if using) to door.



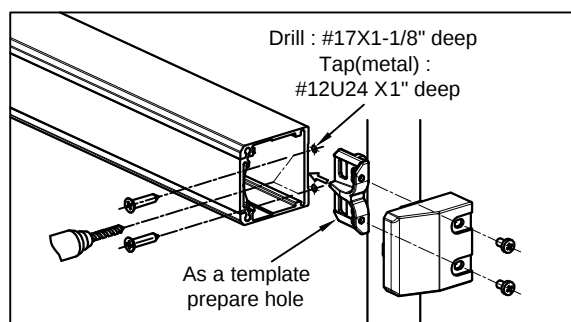
For cylinder : if necessary , cut tailpiece as needed . If trim side only have cylinder , install cylinder before install device.



4. Install mounting bracket and end cap .

Use bracket close to mechanism housing as a template to prepare mounting hole.

Check device is horizontal before drilling.



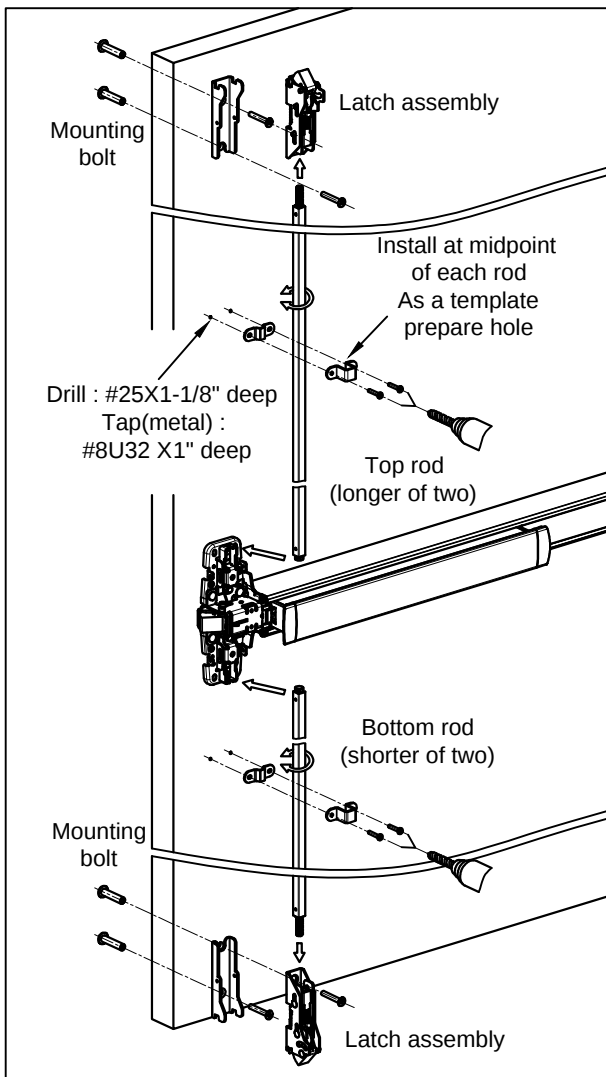
3.INSTALL LATCH , ROD AND STRIKE

This part are unnecessary for Rim Exit Device

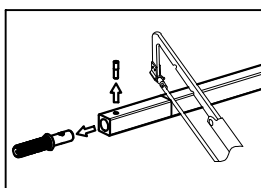
1.Install latch , rod and rod guide .

Install latch assembly on door , Screw rod into latch , adjust length by screw rod into or out of latch , then mounting on center case.

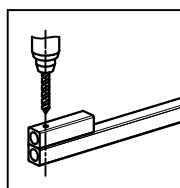
Install rod guide at midpoint of each rod , use rod guide as a template to prepare mounting hole .



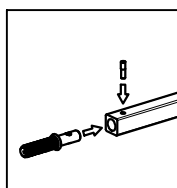
If top rod is too long , measure and cut off rod , use cut off piece as a template to drill hole , reinstall rod end and roll pin.



drive out rod end and roll pin



1/8" drill thru



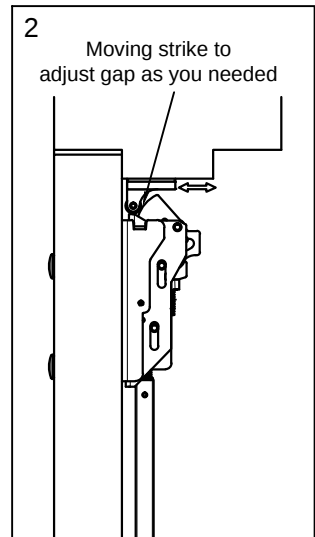
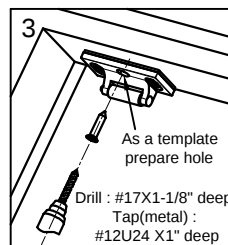
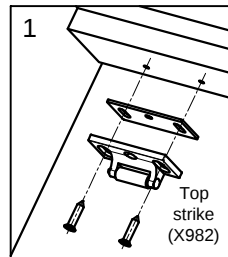
reinstall rod end and roll pin

2.Install top strike .

Moving strike to adjust gap as needed.

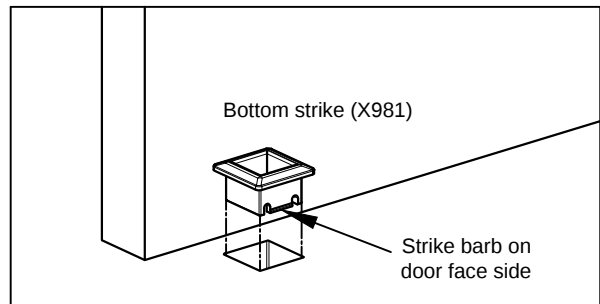
Use strike as a template to prepare mounting hole.

Install strike support screw to fixed position.



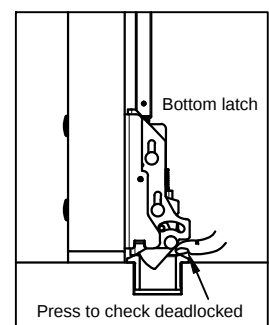
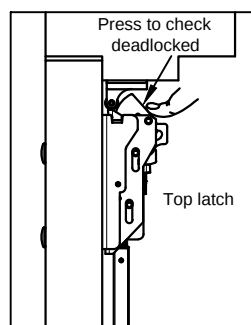
3.Install bottom strike .

Grout strike into floor.

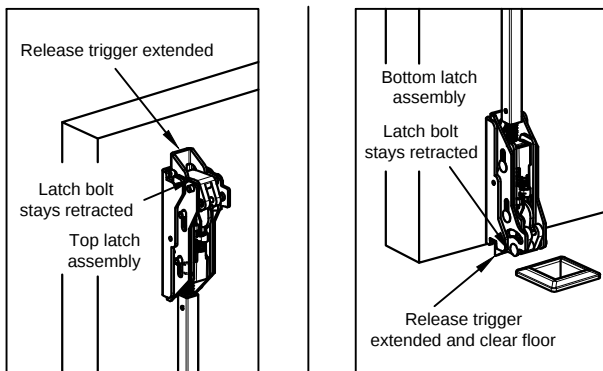


4.Test operation.

Closing door , both latch bolts can fully extended . Pressing latch bolt by thumb or similar tools to check deadlocked(not push in).



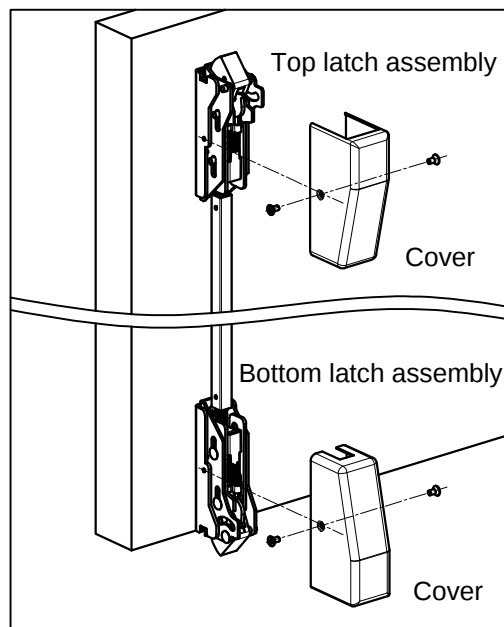
Push bar , both latch bolts can be retracted . With door open , latch bolts stays retracted and release trigger extended. For bottom latch , the release trigger should clear floor.



Open and close door a few times to assure device operation is correct . Readjust correlative part if needed.

5. Install latch cover.

Check the cover clear latch bolt and rod .

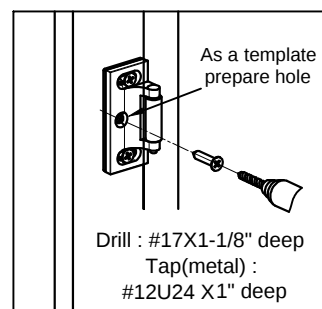
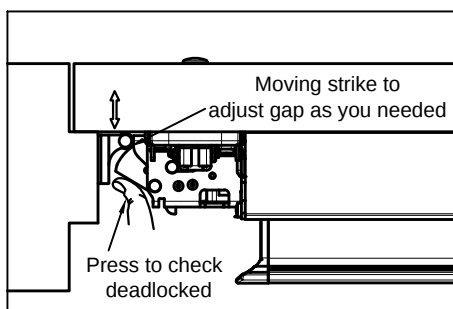
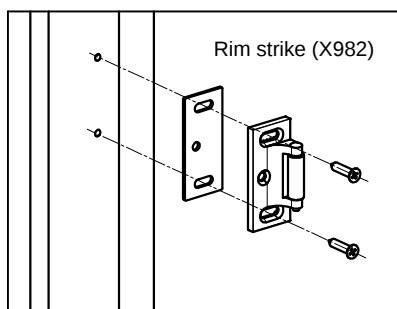


4. INSTALL RIM STRIKE

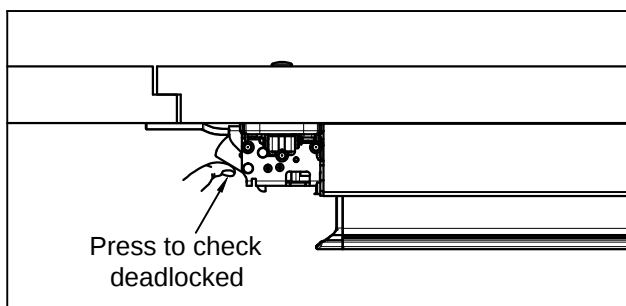
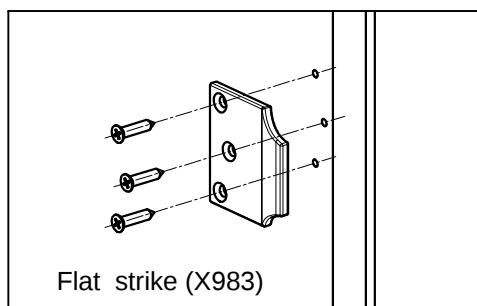
This part are unnecessary for Surface Vertical Rod Exit Device

1. Install rim strike .

Moving strike to adjust gap as needed. Use strike as a template to prepare mounting hole. Install strike support screw to fixed position.



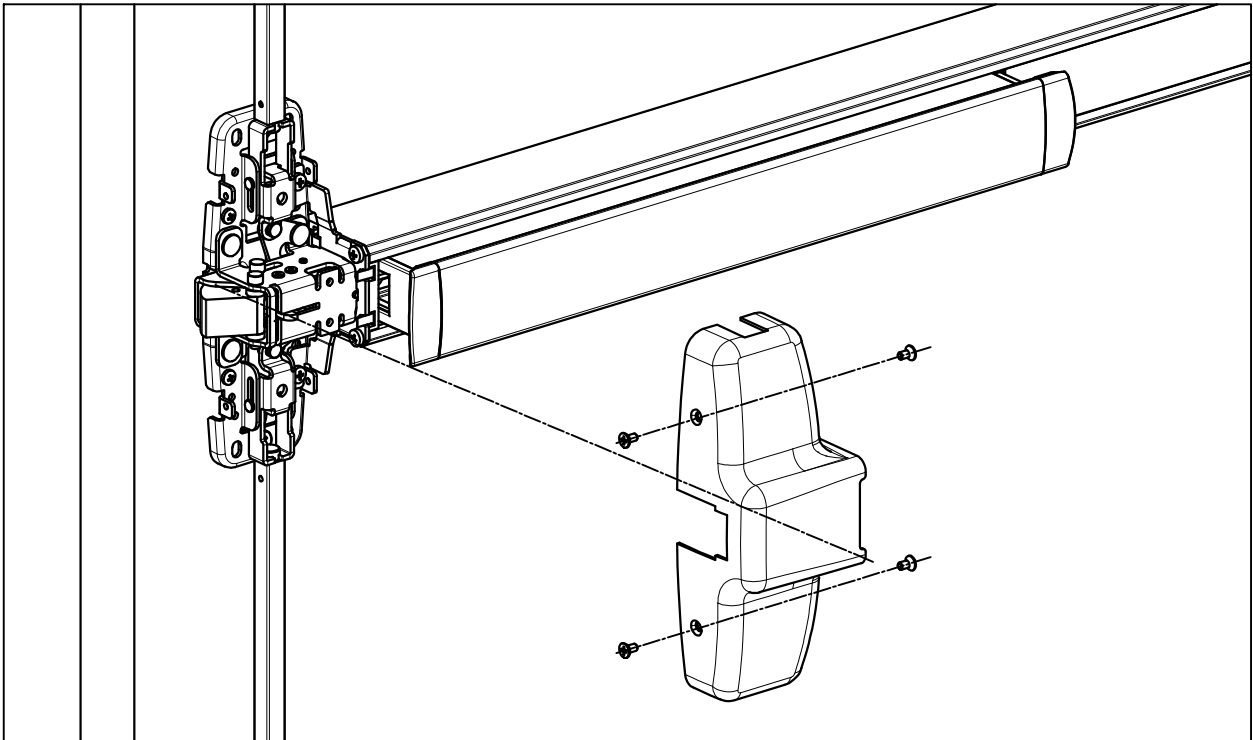
For double door or other door have no bulge stop , need to use the Flat Strike(X983).



5.INSTALL CENTER CASE COVER

1.Install center case cover.

Check the cover clear latch bolt and rod .



NOTE

1.For dogging:

Push the bar to holding retract latch and use the hex key to dog or undog device.

