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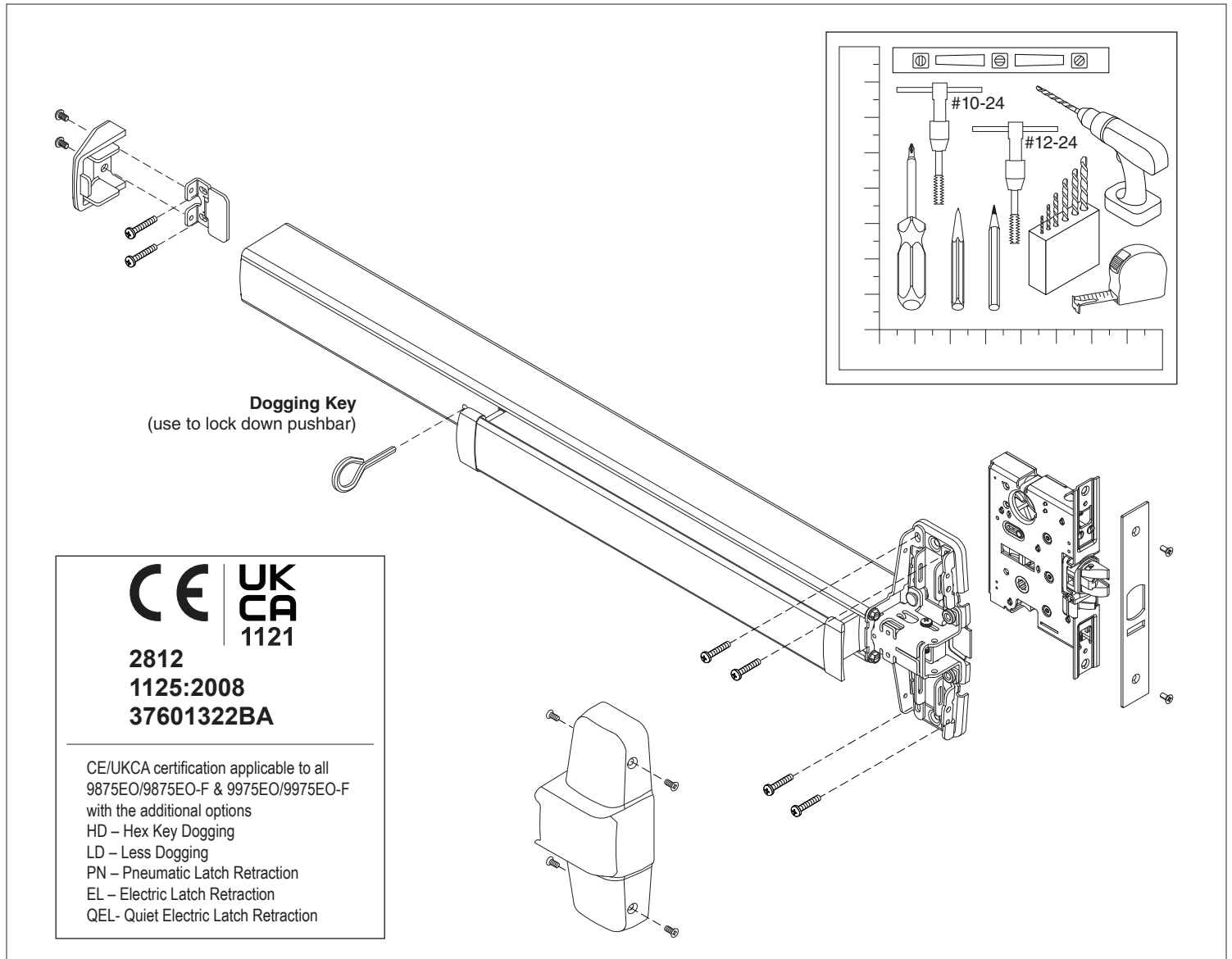
911374-00

# 9875/9875-F 9975/9975-F

# VON DUPRIN®

Mortise Exit Device

Installation Instructions



**CE** | **UK CA**  
1121

**2812**  
**1125:2008**  
**37601322BA**

CE/UKCA certification applicable to all 9875EO/9875EO-F & 9975EO/9975EO-F with the additional options  
 HD – Hex Key Dogging  
 LD – Less Dogging  
 PN – Pneumatic Latch Retraction  
 EL – Electric Latch Retraction  
 QEL – Quiet Electric Latch Retraction

**Hurricane rated exit device requirements  
(when used with approved Allegion door applications)**

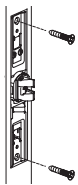
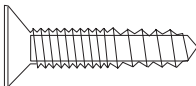
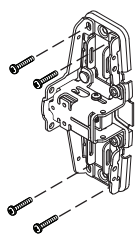
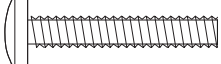
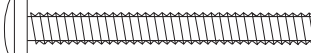
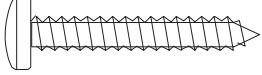
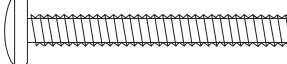
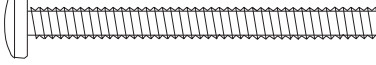

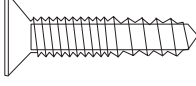
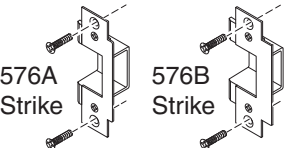
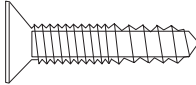
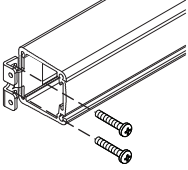
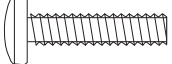
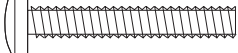
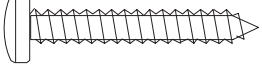
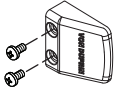
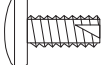
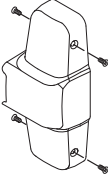

<b>Sexbolts</b>	When installing a Wind and Impact-rated hurricane device (HH), sex bolts must be used. Sex bolts are noted throughout the instructions where applicable. If through-bolting trims are used, these trims are equivalent in function and are used in place of sex bolts.	
<b>Application</b>		<b>Single door standard strike</b>
HH (Wind and Impact rated) and HW (Wind Only)	98/9975	575
	98/9975-F	575



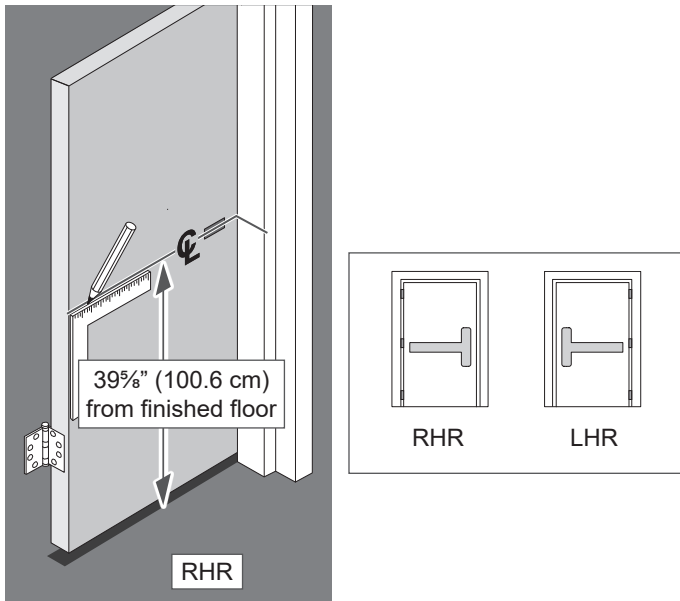
**Customer Service**  
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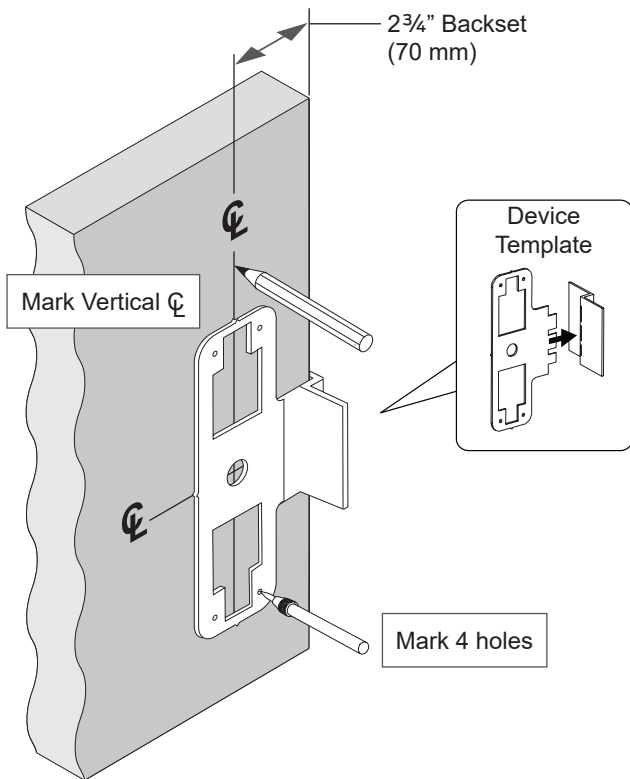
## SCREW CHART

Subassembly	Screw	Application
<b>A</b> 	 <p>#12-12 x 12-24 x 1" (25 mm) Combination</p>	Metal or wood door
<b>B</b> 	 <p>#10-24 x 1" (25 mm)</p>  <p>#10-24 x 1 1/2" (38 mm)</p>  <p>#10 x 1 1/4" (32 mm) Wood screw</p> <p>Packaged with 990 Trims:</p>  <p>#10-24 x 1 3/8" (35 mm)</p>  <p>#10-24 x 1 7/8" (48 mm)</p>	<p>Surface mount or Sex bolts 1 3/4" (44 mm) door</p> <p>Sex bolts, 2 1/4" (57 mm) door</p> <p>Surface mount (wood)</p> <p>1 3/4" (44 mm) door, 990 Trim</p> <p>2 1/4" (57 mm) door, 990 Trim</p>
<b>C</b> 	 <p>#12-12 x 12-24 x 1" (25 mm) Combination</p>	Metal or wood frame
<b>C</b> 	 <p>#12-12 x 12-24 x 1" (25 mm) Combination</p>	Metal or wood door
<b>D</b> 	 <p>#10-24 x 3/4" (19 mm)</p>  <p>#10-24 x 1 1/8" (29 mm)</p>  <p>#10 x 1 1/4" (32 mm) Wood screw</p>	<p>Surface mount or Sex bolts 1 3/4" (44 mm) door</p> <p>Sex bolts, 2 1/4" (57 mm) door</p> <p>Surface mount (wood)</p>
<b>E</b> 	 <p>#10-16 x 3/8" (10 mm) Thread cutting</p>	End cap
<b>F</b> 	 <p>#8-18 x 3/8" (10 mm) Thread cutting</p>	Center case cover

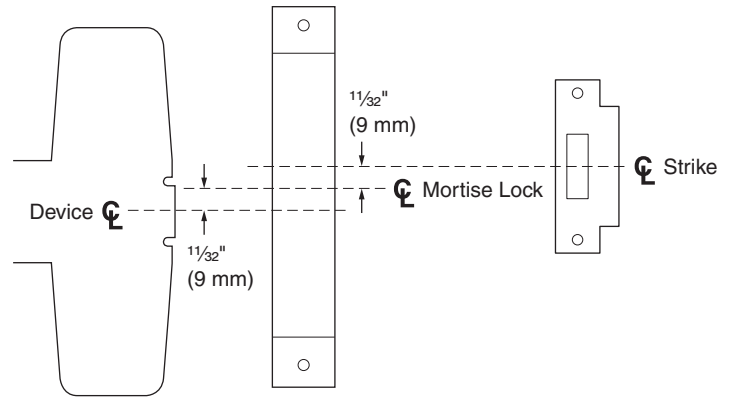
**1 Draw horizontal device center line (☉).**



**2 Position template on ☉ and mark door.**



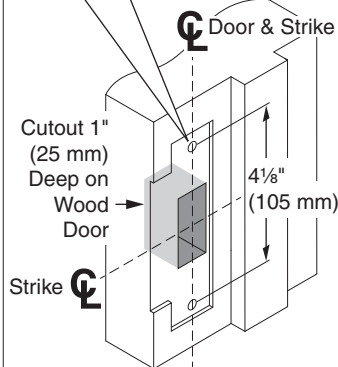
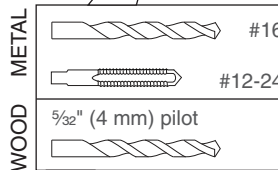
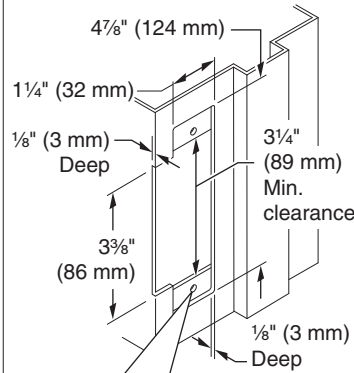
**3 Locate strike center line (☉).**



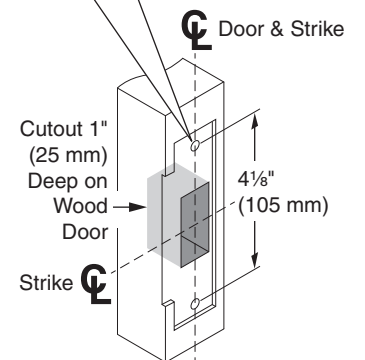
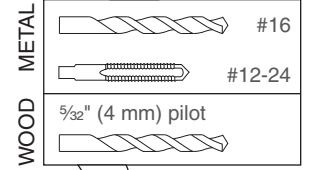
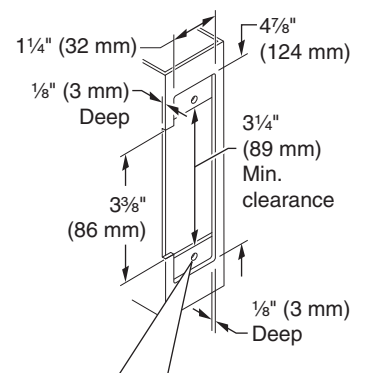
**4 Prepare the door frame (or other door) for strike.**

**① 575, 575-2 strike shown. For 576A/576B strike preparation, see page 7.**

**575 STRIKE**  
(Single Door)

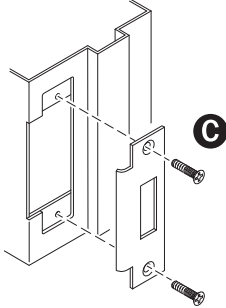


**575-2 STRIKE**  
(Double Door)



## 5 Install strike.

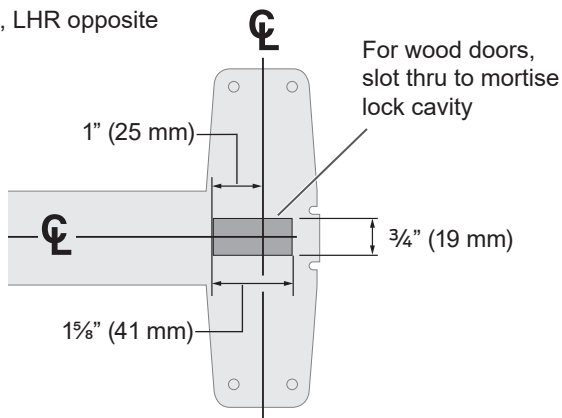
**i** For 576A/576B strike installation, see page 7.



**C** **i** See “Screw Chart” on page 2 for screw types and sizes.

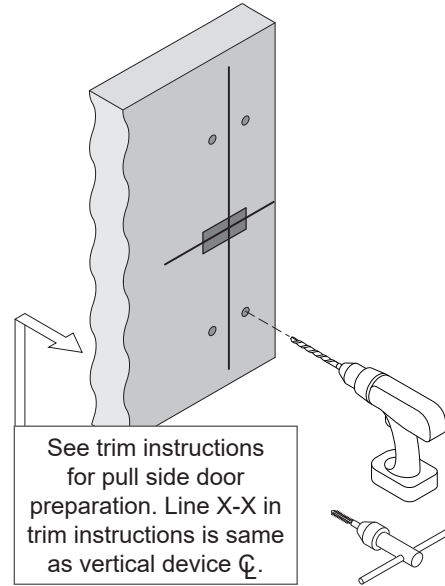
## 6 If necessary, prepare door cutout.

For all 98/9975 devices  
RHR shown, LHR opposite



## 7 Prepare door for device and trim.

Prepare 4 center case mounting holes.

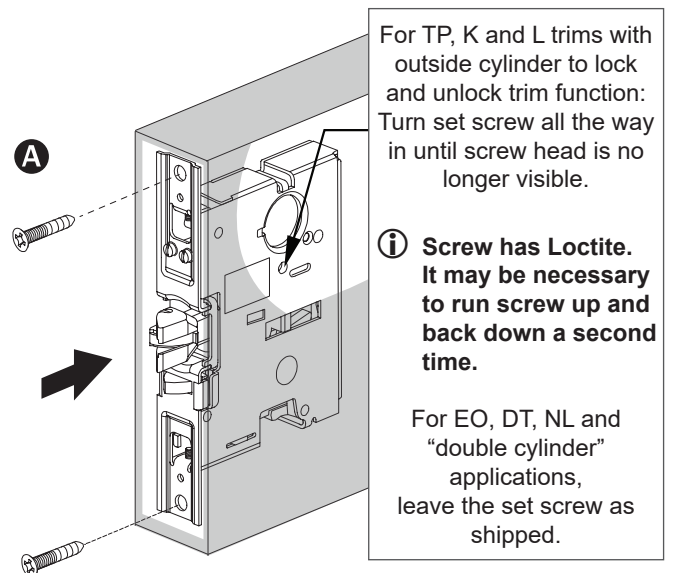


SURFACE MOUNT		OR	SEX BOLTS or 990 TRIMS	
METAL	#25		1/4" (6 mm) Device Side	
	#10-24		1/32" (10 mm) Trim Side	
WOOD	1/8" (3 mm) x 1" (25 mm) Deep		1/32" (10 mm) Drill Thru	

Required on Hurricane (HH) devices

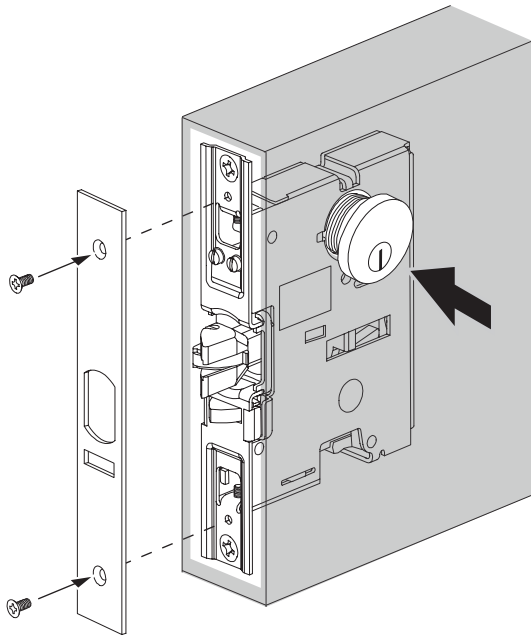
## 8 Install mortise lock into door.

**i** See 7500 mortise lock instruction #941019.

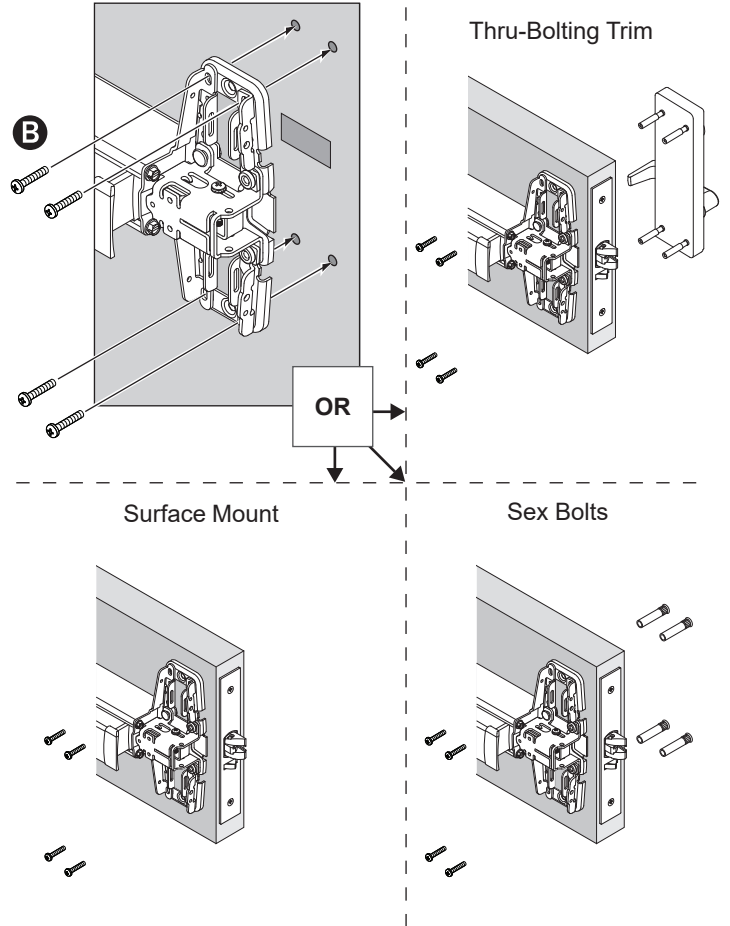


**9** Install outside locking cylinder (if using) and complete installation of mortise lock.

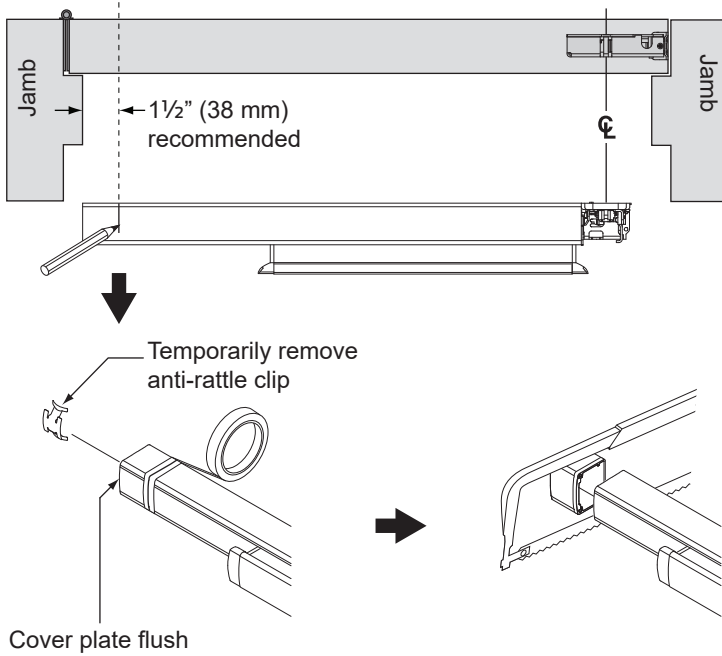
**i** See 7500 mortise lock instruction #941019.



**11** Install trim (if using) and attach center case to door.

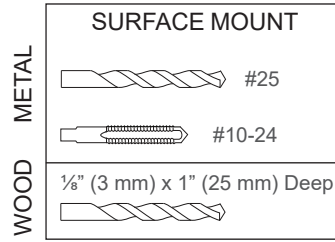
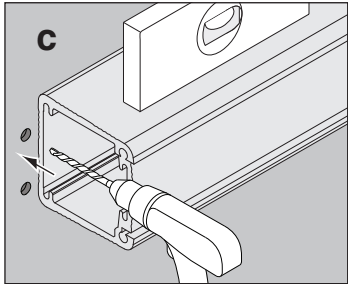
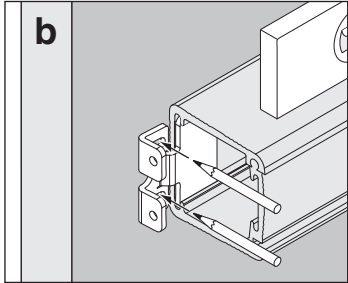
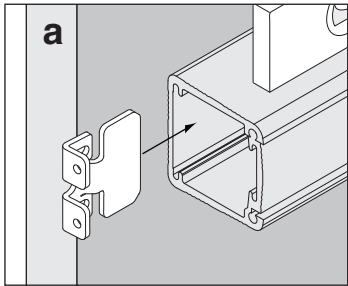


**10** If necessary, cut device.

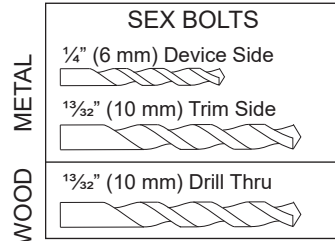


## 12 Mark and prepare two holes for end cap bracket.

**i** Prepare holes after lock side of device is mounted and hinge side is leveled.

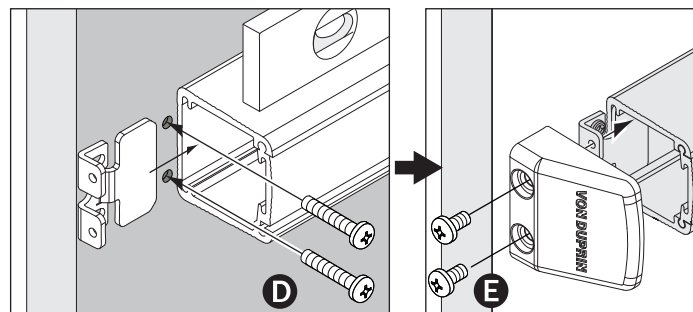


OR



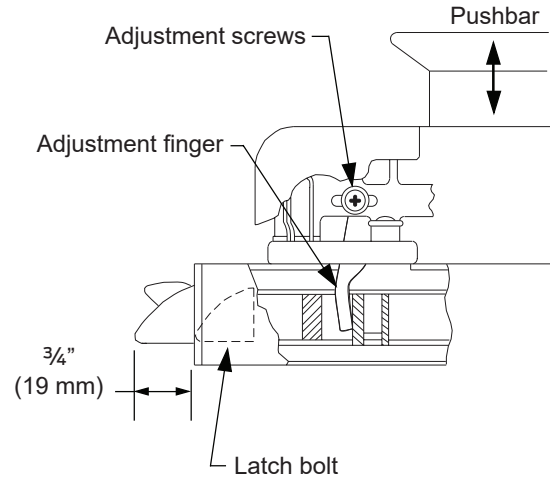
Required on Hurricane (HH) devices

## 13 Install end cap bracket and end cap.



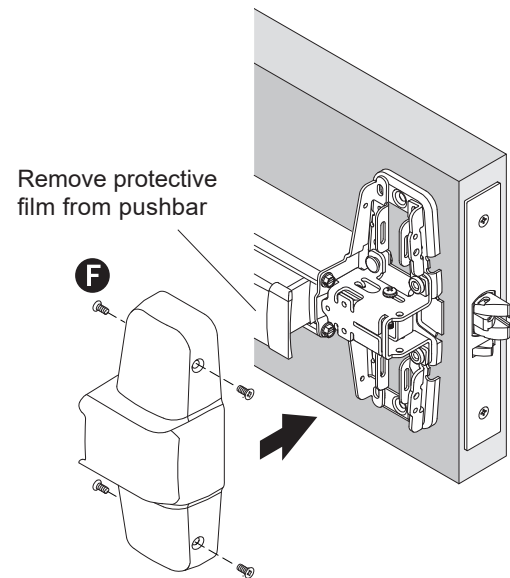
## 14 Adjust latch bolt.

### TOP VIEW



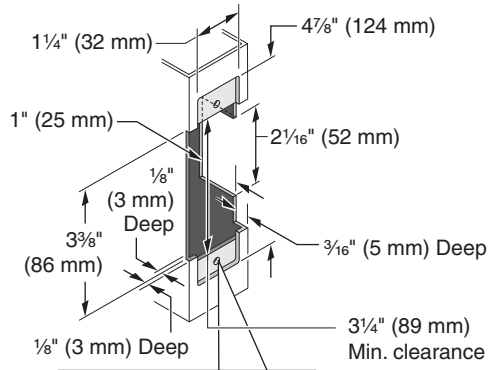
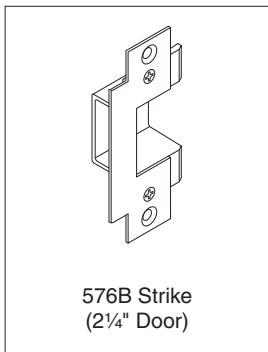
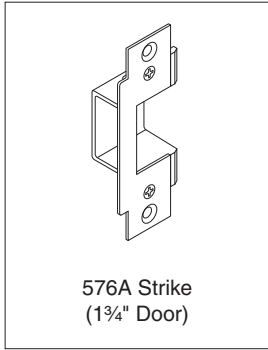
Loosen adjustment screws and adjust finger in or out until latch bolt is fully retracted (with pushbar down) and fully extended 3/4" (with pushbar up).

## 15 Install center case cover.

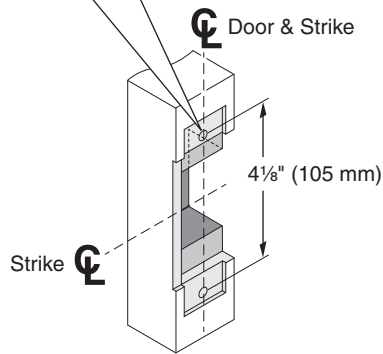


# 576A/576B STRIKE PREPARATION & INSTALLATION

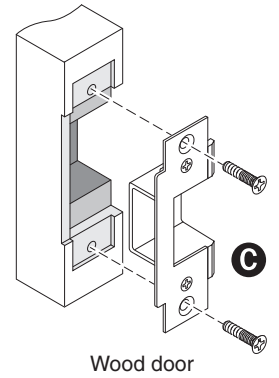
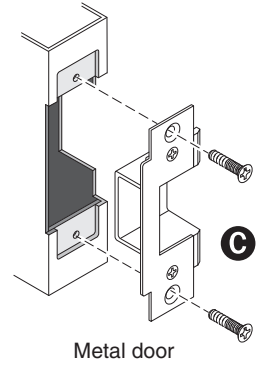
## PREPARATION



METAL	#16
	#12-24
WOOD	5/32" (4 mm) pilot



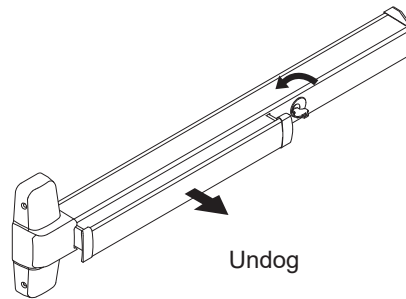
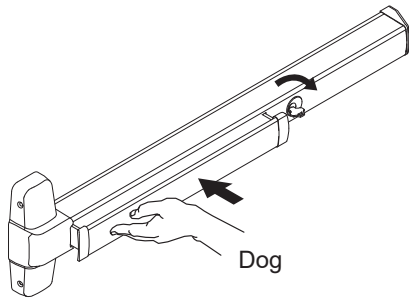
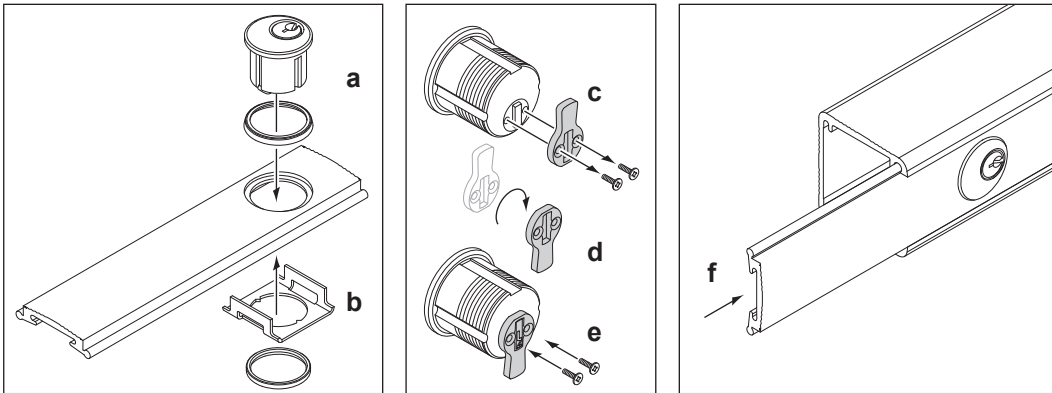
## INSTALLATION





## OPTIONAL EQUIPMENT

### CD (Cylinder Dogging) Option



## ADDITIONAL INSTALLATION REQUIREMENTS

- Before installation ensure door and frame are in good condition, correctly hung and not distorted  
**Note** - Maximum door distortion of 5mm to ensure safe exit.
- It is not recommended that exit devices be fitted to hollow core doors unless specially designed for this type of door.
- It is recommended to verify that the door construction allows the use of the device, i.e. to verify that offset hinges and engaging leaves allow both leaves to be opened simultaneously, or to verify that the gap between door leaves does not differ from that defined by the exit device producer, or to verify that the opening elements do not interfere, etc.
- Before fitting an emergency exit device to a fire/smoke resisting door, the fire certification of the fire door assembly on which the exit device has been tested to prove suitability for use on a fire door should be examined. It is of utmost importance that an exit device is not used on a fire door assembly of a greater fire resistance time than approved for.
- Care should be taken to ensure that any seals or weather-stripping fitted to the complete door assembly does not inhibit the correct operation of the emergency exit device.
- On double door sets with rebated meeting stiles and where both leaves are fitted with emergency exit devices, it is essential to check that either leaf will open when its emergency exit device is activated and also that both leaves will open freely when both emergency exit devices are operated simultaneously.
- Category 2 (Standard projection) emergency exit devices should be used in situations where there is restricted width for escape, or where the doors to be fitted with the emergency exit devices are not able to open beyond 90°
- Different fixing can be necessary for fitting emergency exit devices to wood, metal or frameless glass doors. For more secure fixing, male and female through-door bolts, reinforcement and rivets can be used.
- These exit devices are not intended for use on double action (double swing) doors.
- These fixing instructions should be carefully followed during installation. These instructions and any maintenance instructions should be passed on by the installer to the user.
- When installing lever operating emergency exit devices, particularly on doors with raised or recessed surfaces, consideration should be given to minimizing any potential safety risks, such as the trapping of fingers or clothing.
- The bolt heads and keepers should be fitted to provide secure engagement. Care should be taken to ensure that no projection of the bolt heads, when in the withdrawn position, can prevent the door swinging freely.
- Where emergency exit devices are to be fitted to double doorsets with rebated meeting stiles and self closing devices, a door coordinator device in accordance with EN 1158 should be fitted to ensure the correct closing sequence of the doors. This recommendation is particularly important with regard to smoke/fire-resisting door assemblies.
- No devices for securing the door in the closed position should be fitted other than specified in EN 1125 / EN 179. This does not preclude the installation of self-closing devices.
- If a door closing device is to be used to return the door to the closed position, care should be taken not to impair the use of the doorway by the young, elderly and infirm.
- Where applicable, the "Push to open" sign should be applied on the inside face of the door immediately above the operating element.

## **MAINTENANCE INSTRUCTIONS**

To ensure performance in accordance with the relevant standard, the following routine maintenance checks should be undertaken at intervals of not more than one month.


- a) Inspect and operate the emergency exit device to ensure that all components are in a satisfactory working condition.  
Using a force gauge, measure and record the operating forces to release the exit device.
- b) Ensure that the keepers are clean and free from obstruction
- c) Check that the emergency exit device is lubricated if required.
- d) Check that no additional locking devices have been added to the door since its original installation.
- e) Check periodically that all components of the system are still correct in accordance with the list of approved components originally supplied with the system.
- f) Check periodically that the operating element is correctly tightened and, using a force gauge, measure the operating forces to release the exit device.  
Check that the operating forces have not changed significantly from the operating forces recorded when originally installed.
- g) Check that all fixing screws are tight.

These instructions should be passed on by the installer to the user on completion of installation.

## **PRODUCT INFORMATION**

- To comply with EN1125 : 2008 door leaf must not exceed 2500mm high x 1300mm wide x 200Kg maximum weight.
- This product is intended for use on single and / or double leaf outward opening fire escape route doors.
- Category of projection : Category 2
- Field of door application : Category A
- Resistance of door leaf against pulling force of the recommended fixing screws: 1000N maximum achieved.

**CERTIFICATION DETAILS**

	<p><b>ALLEGION</b> </p> <p>35 Rocky Lane, Aston Birmingham, B6 5RQ, United Kingdom</p>										
<p>2812-CPR-AAA5007</p>	<p>2021</p>										
<p>EN 1125:2008</p>	<table border="1"> <tr> <td>3</td> <td>7</td> <td>6</td> <td>0</td> <td>1</td> <td>3</td> <td>2</td> <td>2</td> <td>B</td> <td>A</td> </tr> </table>	3	7	6	0	1	3	2	2	B	A
3	7	6	0	1	3	2	2	B	A		
	<p>2812-CPR-AAA7571</p> <p>2021</p>										

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