

16. Fitting Push Bar Panic Latch to Single Door or Active Leaf of Rebated Double Door
NOTE The keep supplied can be morticed into the frame or surface mounted for a Single Door application. The keep is also used for Double Door applications, by fitting on the Inactive door leaf.

NOTE Before installing the Panic Latch, decide if the Universal Latch Keep is morticed into the frame or surface fixed.

- Position template on door face for correct application, and at the required height.
- Secure the Main Mechanism unit to the door face. – Repeat 12 to 15 for fitting the Slave unit.
- Locate the Universal Latch Keep according to the application and secure. Adjust if necessary
- Test product to ensure that the device functions.

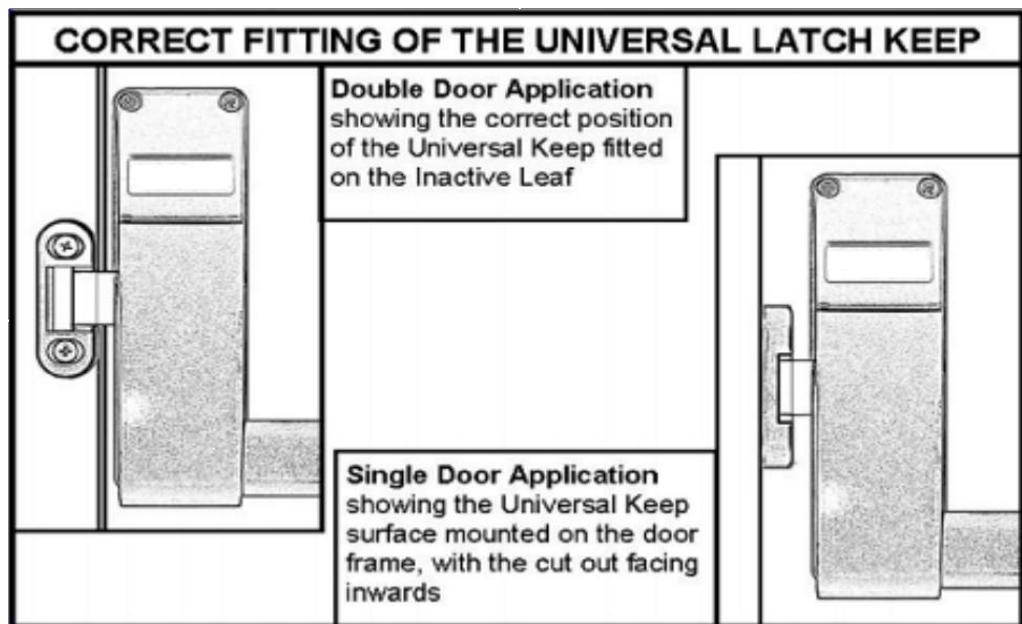
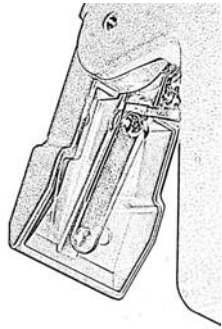
HOLD BACK DEVICE

Where provided this device is fitted under the mechanism operating arm, which enables the shoot bolts to be held in the withdrawn position, allowing the door to be used as a free access.

To engage: Depress the Push Bar and push Hold Back Lever across

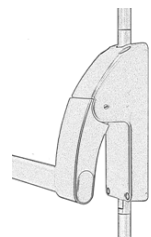
To release: Press the bar and move Hold Back Lever back to initial position

WARNING: THIS DEVICE MUST NOT BE USED ON FIRE / SMOKE DOORS UNLESS THE DOOR HAS BEEN CERTIFIED IN THE UNLATCHED POSITION

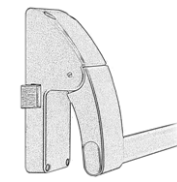


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Installation Instructions for Product Push Bar Panic Exit Hardware

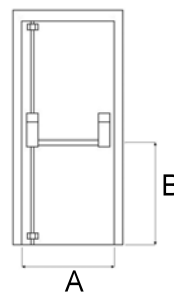
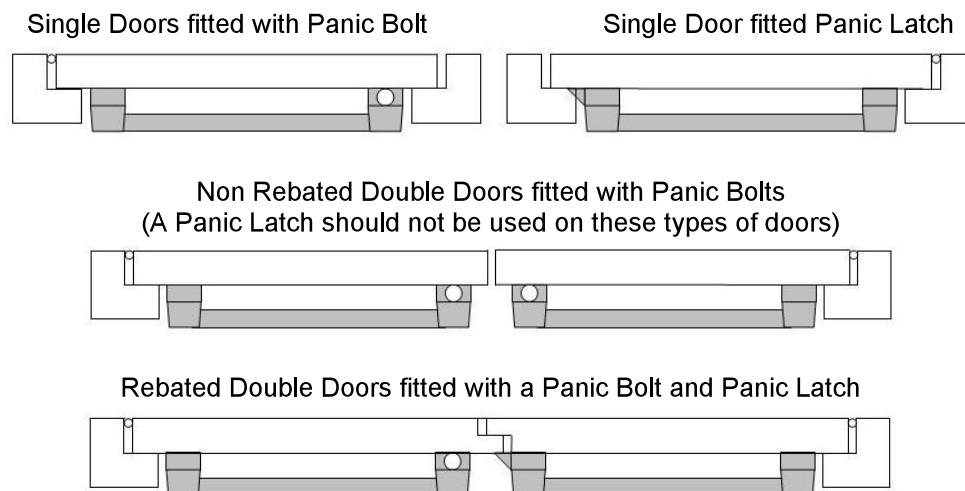


Push Bar Single Panic Bolt
(Right Hand illustrated)



Push Bar Panic Latch
(Left and illustrated)

Applications



Maximum Clear Opening Width Dimension A = 1240mm Single Door or 2480mm Pair of Doors. The Panic unit must cover 60% of the door width.

When Push Bar is fitted 1100mm from floor level the maximum height = 2530mm.

Dimension B - Push Bar should be fitted between 900mm and 1100mm from the floor height .

Additional Top Shoot Tubes are available for extended heights

Important: For fitting a Single Latch unit (SED991) on a Single Door application go to step 16

Fitting a Single Panic Bolt (SED992) on a Single Door or Inactive Double Door Leaf from step 1

- Position the template for the Main Mechanism Unit on the inside face of the door at the required height (between 900mm and 1100mm from floor level) and the correct distance from the frame or door edge according to the application.

-See **Diagram 1**

NOTE A : If installing an Outside Access Device mark and prepare door and fix as per separate instructions provided.

NOTE B : Where the device is fitted to the Inactive Leaf of Rebated Double Doors, a Door Co-ordinator should be fitted to the second opening leaf. (Refer to instructions provided with Co-ordinator).

Mark the fixing hole positions and drill a pilot hole, then secure the Mechanism Unit to the door face with appropriate fixings. – (See **Diagram 2**)



Diagram 1

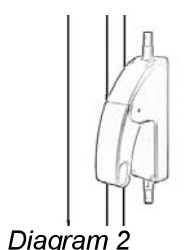


Diagram 2

- Accurately measure from the shoulder of the top connector (See **Diagram 3**) to the under face of the soffit, deduct 62mm and cut the Top Shoot Tube to this length. Accurately measure from the shoulder of the bottom connector, (See **Diagram 4**), to the floor level, deduct 62mm and cut the Bottom Shoot Tube to length.

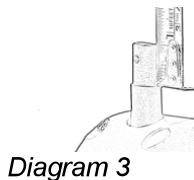


Diagram 3

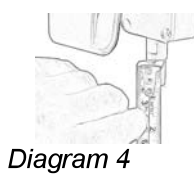


Diagram 4

- Drive knurled Shoot Tube End Plugs into the cut ends of the Shoot Tubes. **NOTE :** Support the uncut ends of the Shoot Tubes on a block of wood to prevent damage. (See **Diagram 5**)



Diagram 5

- Connect the Top & Bottom Shoot Tubes to the main Mechanism Body and secure with the Dome Head Screws provided. **NOTE** for security, the Dome Head Screws must be inserted from the rear face of the Mechanism Body. (See **Diagram 6**)

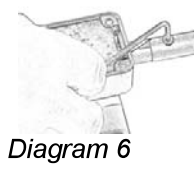


Diagram 6

- Slide one Shoot Tube Guide on to each Shoot Tubes. Screw the square Adjustable Bolt into the knurled Shoot Tube End Plugs of the Top & Bottom Shoots. (See **Diagram 7**) Fit assembled Panic Bolt to door face ensuring true vertical alignment of Shoot Tubes and fix Shoot Guides equally along the Top and Bottom Shoot Tube.



Diagram 7

- Fully depress the Push Bar arm and adjust the Square Top Shoot Adjustable Bolt to give 3mm to 4mm clearance to underside face of the soffit. (See **Diagram 8**)

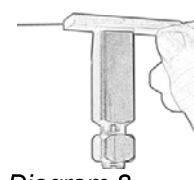


Diagram 8

- Fully depress the Push Bar arm and adjust the Bottom Shoot Adjustable Bolt to give 3mm to 4mm clearance to the finished floor level. (See **Diagram 9**) and secure the Bottom Guide 40mm from the bottom of the door.

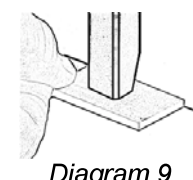


Diagram 9

- Locate Automatic Top Trip Mechanism on the Top Shoot Tube. Insert a 3mm packer between the Top Adjustable Bolt and the soffit. Engage the Automatic Top Trip Lever and push the Top Trip assembly upwards to the top of the groove and secure to the door. (See **Diagram 10**).



Diagram 10

- Prepare head and threshold for respective keeps. Ensure that the back edges of the Top and Bottom Keeps are in line with the Door Face / Edge of Frame. (See **Diagram 11**).

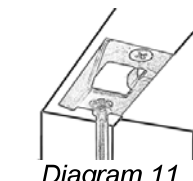


Diagram 11

- Pull door into closed position and ensure:
 - That the Top Trip Release is against the Keeper Plate.
 - That both Shoots throw fully and enter their respective keeps correctly

- Depress Push Bar and ensure:
 - That both Top and Bottom Shoots withdraw fully from their keeps
 - That the Top Trip engages and retains the Shoots in the withdrawn position.
 - That the Shoots do not foul the floor or head. Re-adjust if necessary.

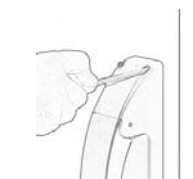


Diagram 12

- Fit the Slave Unit on the door face, level with the Main Mechanism Unit, the correct distance from the frame. (See **Diagram 12**)

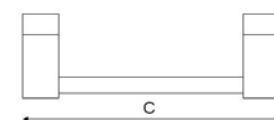


Diagram 13

- Accurately measure the distance 'C' across the Push Bar arms, deduct 10.0mm and cut the oval cross bar to this dimension from the end with the hole in the bar. (See **Diagram 13**). Drill a 7mm diameter hole 17.5mm from the cut end of the oval bar.



Diagram 14

- Insert Push Bar in to the two arms, insert the End Caps and secure under the arms, using the M6 Grub Screws. (See **Diagram 14**)

- Test operation and adhere Green 'PUSH BAR TO OPEN' sign immediately above the Push Bar.