



The safety features of this product are essential to its compliance with EN 1125. No modification of any kind, other than those described in these instructions, are permitted.

Installation and fixing instructions

Before fitting an exit device to a door, the door should be checked to ensure correct hanging and freedom from binding.

Before fitting a panic 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 operations of the panic exit device.

On double doorsets with rebated meeting stiles and where both leaves are fitted with panic exit devices, it is essential to check that either leaf will open when its panic exit device is activated and also that both leaves will open freely when both panic exit devices are operated simultaneously. The use of a carry bar to move the active leaf may be required for this application.

Panic exit devices are not intended for use on double action (double swing) doors.

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EN 1125:2008		DOP_0178	

The fixing instructions should be carefully followed during installation. These instructions and any maintenance instructions should be passed on by the installer to the user.

The horizontal bar should normally be installed at a height of between 900 mm and 1100 mm from the finished floor level, when the door is in the secured position. Where it is known that the majority of the occupants of the premises will be young children, consideration should be given to reducing the height of the bar.

The horizontal bar should be installed so as to provide the maximum effective length.

Where panic 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 fire/ smoke resisting door assemblies.

Any keepers or protection plates provided should be fitted in order to ensure compliance with this European Standard.

PHB 1202

Mounting instructions

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Maintenance instructions

To ensure performance in accordance with this document, the following routine maintenance checks should be undertaken at intervals of not more than one month:

Inspect and operate the panic exit device to ensure that all components are in a satisfactory working condition; using a force gauge, measure and record the operating forces (≤ 80 N) to release the exit device. Check that the operating forces have not changed significantly from the operating forces recorded when originally installed.

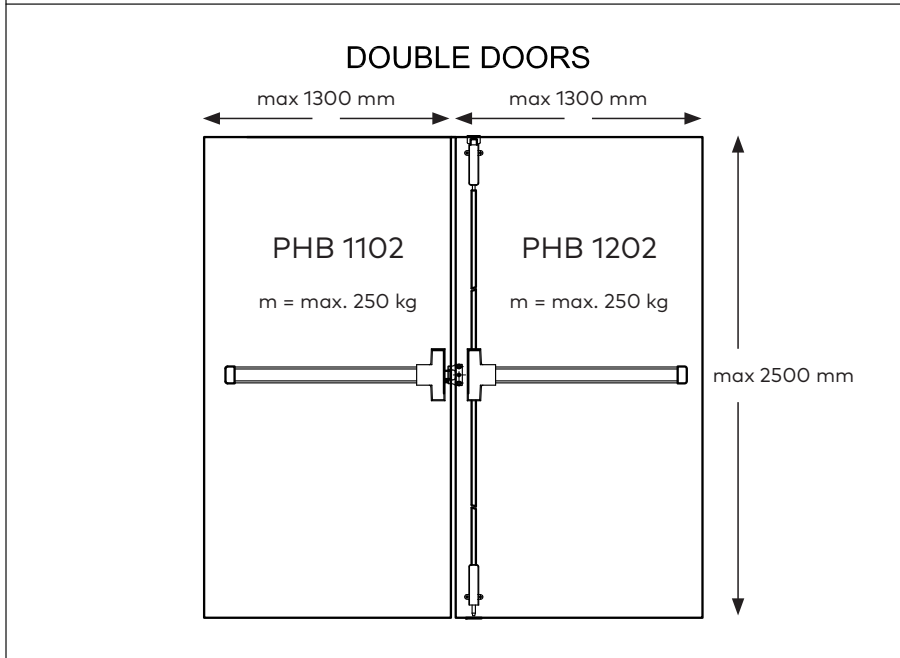
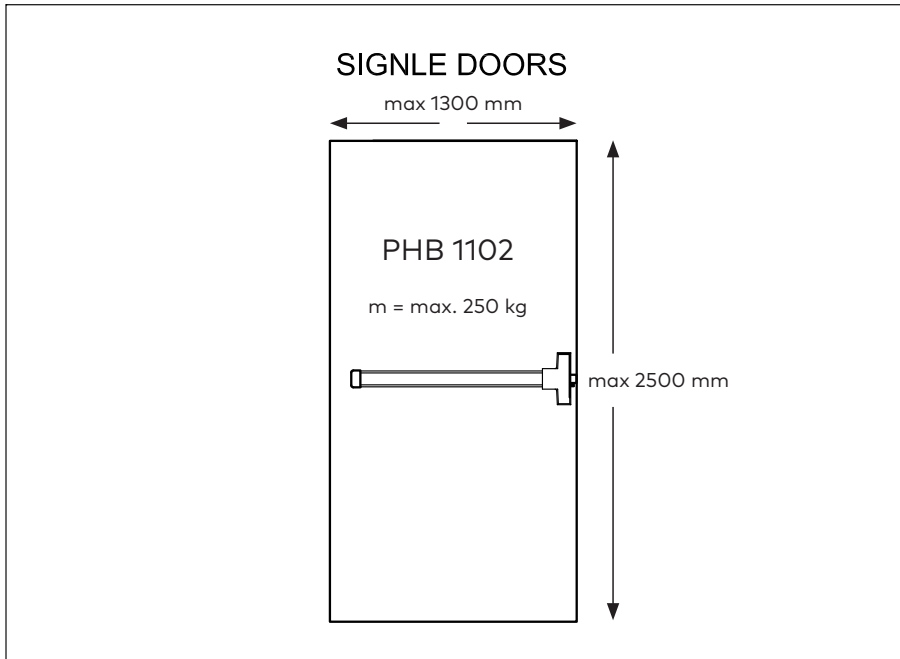
Ensure that the keeper(s) is (are) free from obstruction.

Lubricate all contact surfaces.

Check that no additional locking devices have been added to the door since its original installation.

Check that the operating forces have not changed significantly from the operating forces recorded when originally installed.

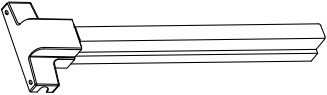
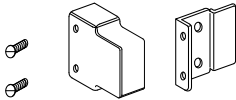







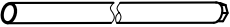


DEVICE APPLICATION



1. PARTS CHECK

1) MAKE SURE THE CORRECT DEVICE IS BEING USED.

2) MAKE SURE ALL NEEDED PARTS ARE ON HAND.

<p>1) DEVICE</p> 	<p>4) SCREW PACK</p> <p>A) MOUNTING BRACKET AND END CAP WITH M4X8 SCREW(1 SET)</p>  <p>B) COTTER KEY(2 QTY)</p>  <p>C) ROD GUID (2 QTY) WITH SCREW 3.5X12(4 QTY)</p>  <p>D) M5x35 SEXUAL BOLT(6 QTY)</p>  <p>E) M5X25 BOLT (6 QTY)</p> 
<p>2) STRIKE</p>  <p>TOP STRIKE</p>  <p>BOTTOM STRIKE</p>  <p>STRIKE FOR DOUBLE DOOR</p>	<p>6) VERTICAL RODS (LENGTHS FOR 2133MM OPENINGS)</p>  <p>A) TOP ROD=950MM(1 QTY) B) BOTTOM ROD = 835MM(1 QTY)</p>
<p>3) LATCHES & BOTTOM BOLTS</p>  <p>TOP LATCH (1 QTY)</p>  <p>BOTTOM LATCH (1 QTY)</p>	

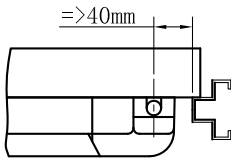
3) MAKE SURE OUTSIDE TRIM (IF BEING USED) HAS BEEN PROVIDED AND IS THE CORRECT HANDING.

2. DOOR LAYOUT

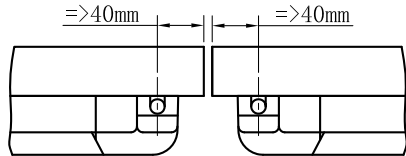
- 1) DOOR MUST BE FITTED AND HUNG PROPERLY BEFORE PROCEEDING.
- 2) MARK VERTICAL AND HORIZONTAL ON DOOR AND FRAME.

A) VERTICAL

SINGLE DEVICE

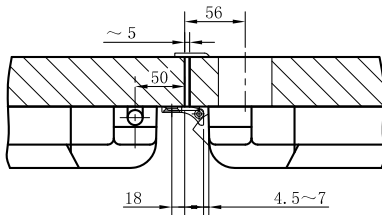


TWO VERTICAL ROD DEVICES

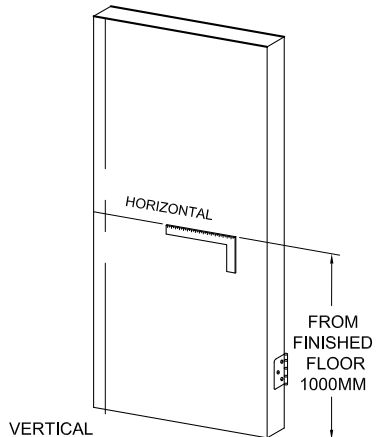


VERTICAL ROD x RIM DEVICE

(PHB 1102 REQUIRED FOR THIS APPLICATION)

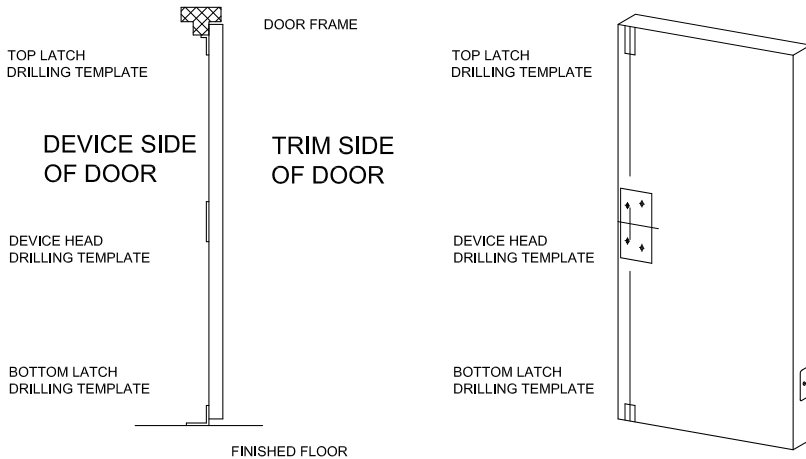


B) HORIZONTAL



3. DOOR & HARDWARE PREPARATION

1) TAPE DRILLING TEMPLATES ON DOOR USING VERTICAL AND HORIZONTAL



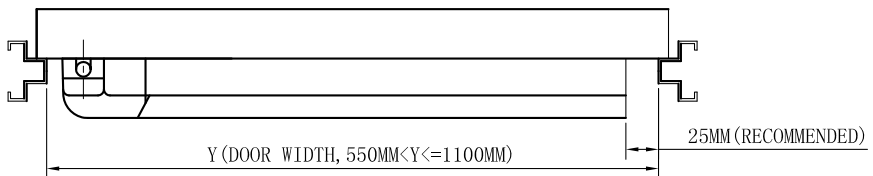
2) PREPARE HOLES FOR DEVICE, STRIKES AND LATCHES.

3) IF USING OUTSIDE TRIM, PREPARE DOOR USING SEPARATE TRIM DIRECTION SHEET.

4) DETERMINE DEVICE LENGTH.

A) THE DEVICE IS FIT FOR THE DOOR WIDTH FROM 650MM TO 1543MM.

B) MEASURE THE DOOR WIDTH OF "Y". IF $1543\text{MM} > Y > 1100\text{MM}$, KEEP THE LENGTH OF THE DEVICE. IF $Y < 1100\text{MM}$, THE LENGTH OF DEVICE TO BE CUTTED IS "X": $X = 1100 - Y$



5) IF DOOR WIDTH IS LESS THAN 1100MM, CUT THE DEVICE.

A) MARK THE DEVICE FROM THE END TO THE LENGTH "X".

B) CUT BOTH CHANNEL AND CHANNEL COVER TO MARKED DIMENSION AND REMOVE BURRS.



NOTE: FACTORY RECOMMENDS SAWING RATHER THAN GRIND CUT TO SIZE. GRINDING CAN DAMAGE THE FINISH OF THE DEVICE AND SAWING RESULTS IN LESS DAMAGE TO THE DEVICES'S FINISH.

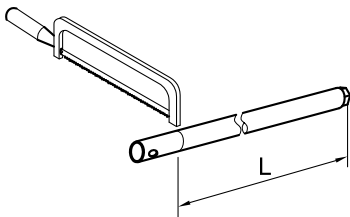
7) IF DOOR OPENING IS NOT AND LESS THAN 2133MM, DETERMINE TOP ROD LENGTH BASED ON 1000MM HORIZONTAL FROM FINISHED FLOOR, MODIFY TOP ROD TO REQUIRED LENGTH.

A) SUBTRACT DOOR OPENING FROM 2133MM OPENING.

B)) SUBTRACT ANSWER FROM TOP ROD FROM 950MM TO DETERMINE TOP ROD LENGTH L (EXAMPLE: 2000MM OPENING - 2133-2000=100, 950-100=850MM TOP ROD).

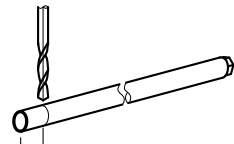
C) MARK RODS TO REQUIRED LENGTH.

D) CUT ROD AT MARKED LOCATION.



NOTE: ROD MUST BE MEASURED FROM THREADED PORTION OF RODS. DO NOT CUT ROD AT END WITH INTERNAL THREADS.

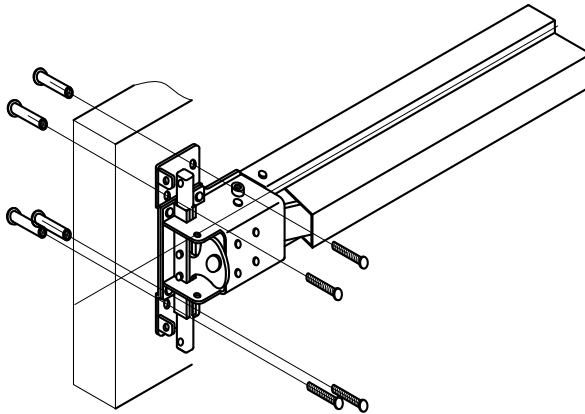
E) DRILL COTTER KEY CONNECTION HOLE. DRILL 4.0MM DIA. HOLE THRU ON VERTICAL ROD 4.5MM FROM END OF ROD JUST CUT.



4. HARDWARE INSTALLATION

1) IF USING OUTSIDE TRIM OR SEXBOLTS, MOUNT TRIM PER DIRECTIONS IN TRIM BOX.

2) FIX DEVICE BY SEXUALBOLT AND THROUGHBOLT.

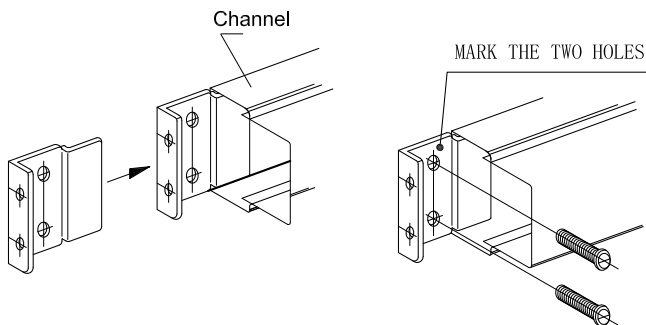


3) INSTALL END CAP MOUNTING BRACKET USING MOUNTING SCREW.

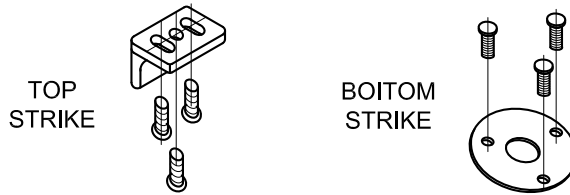
A) SLIDE MOUNTING BRACKET INTO CHANNEL.

B) MARK MOUNTING HOLES, AND PREPARE THE HOLES.

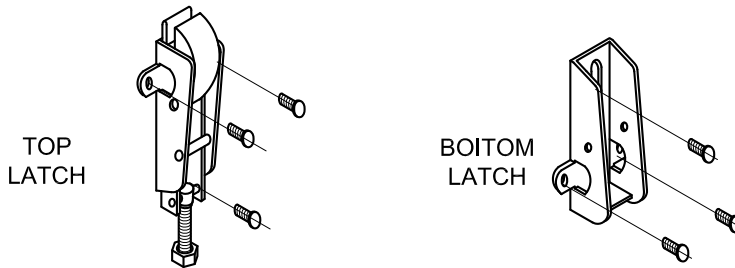
C) INSTALL MOUNTING SCREWS



4) INSTALL THE TOP STRIKE AND THE BOTTOM STRIKE



5) INSTALL TOP AND BOTTOM LATCHES.



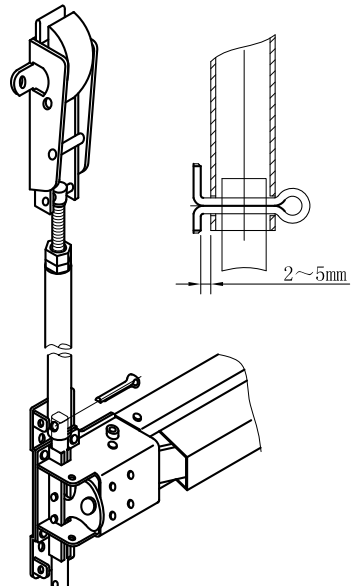
6) TOP ROD INSTALLATION:

A) PLACE THE TOP ROD INTO THE BOLT OF TOP LATCH, AND SLIDE THE SLIDEBAR INTO THE BOTTOM OF TOP ROD.

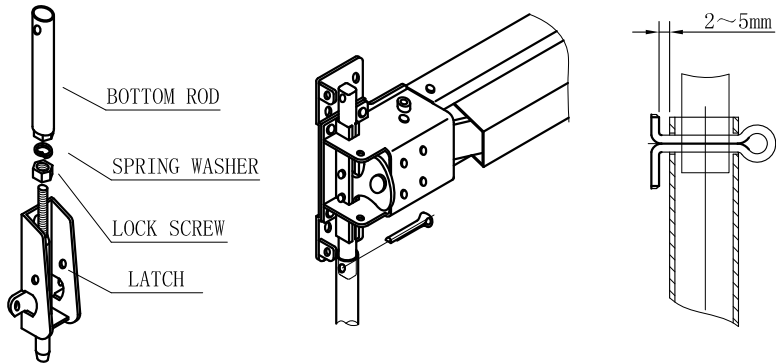
B) AJUST THE SREW OF TOP ROD TO MAKE SURE THE COTTER KEY HOLE ALGINED WITH THE HOLE IN SLIDEBAR. PUT THE THE COTTER KEY INTO THE HOLE(NOTE: DON'T TIGHT THE COTTER KEY).

C) TEST THE TOP ROD, IF IT LOCK AND SMOOTH WELL, TIGHT THE COTTER KEY.

D) IF THE TOP ROD DOESN'T WORK WELL, TAKE OUT THE COTTER KEY, AJUST THE AJUSTMENT SCREW, REPEAT STEP OF B)&C) UNTIL IT LOCK AND WORK WELL.

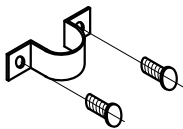


7) PLACE THE BOTTOM ROD TO BOTTOM LATCH, AND SLIDE THE SLIDEBAR INTO THE TOP OF BOTTOM ROD. AJUST THE SREW OF BOTTOM ROD TO MAKE SURE THE COTTER KEY HOLE ALIGNED WITH THE HOLE IN SLIDEBAR, TIGHT THE COTTER KEY.



8. ROG GUID INSTALLATION

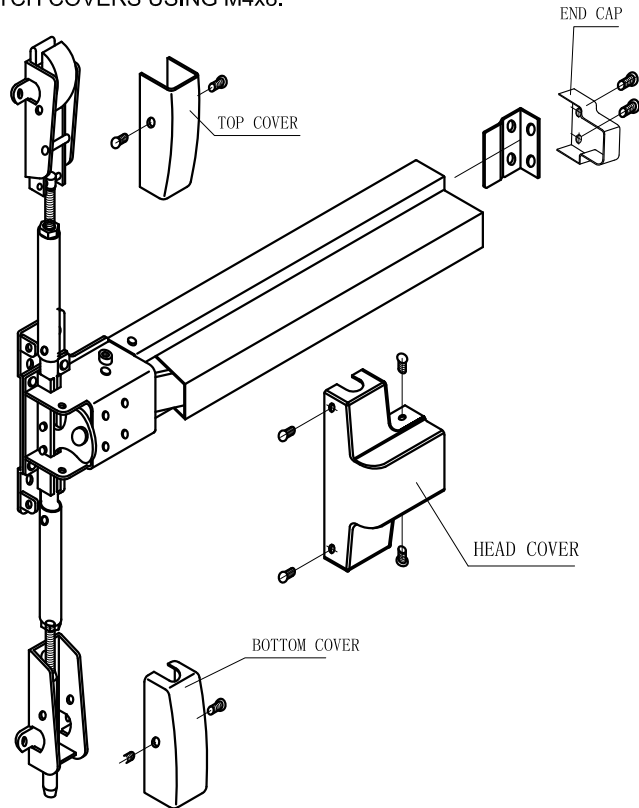
ATTACH ROD GUIDES TO ROD EQUIDISTANT BETWEEN THE LATCHES AND DEVICE HEAD. DRILL THE HOLE, AND FIX IT.



NOTE: THE ROD GUID SHOULD NOT BLOCK THE MOVEMENT OF THE ROD.

10) APPLY COVERS.

- A) ASSEMBLE COVER TO HEAD ASSEMBLY USING M4x8 SCREWS.
- B) ATTACH END CAP USING M4x8 SCREWS.
- C) ATTACH LATCH COVERS USING M4x8.



Original manual, subject to change without notice

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