Push Bar Panic Latch With Dogging Function to EN 1125

Important Information

PLEASE READ THESE INSTRUCTIONS CAREFULLY

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

For use on single or double outward opening fire escape route doors
Suitable for use timber and steel doors
Suitable for use on fire doors
30 & 60 minutes fire integrity achieved on timber single & double doors
240 minutes on steel single & double doors
Maximum weight of door = 200kg
Maximum width of door = 1300mm (1170mm Bar) - 1100mm (730mm Bar)
Maximum height of door = 2500mm
Maximum door distortion of 5mm allowed
Maximum of 1000N pulling force against the screws achieved under the abuse test

Product Reference
XDL5760

Category of projection = Category 2
Field of Door Application = Category A

CE	Carlisle Brass Ltd. Parkhouse Road, Carlisle, CA3 0JU									
2812-CPR-AAA010	20									
BS EN125:2008	3	7	6	B	1	4	2	2	A	A

This product has been successfully EN 1125 tested with easi-exit External Lock Attachment.

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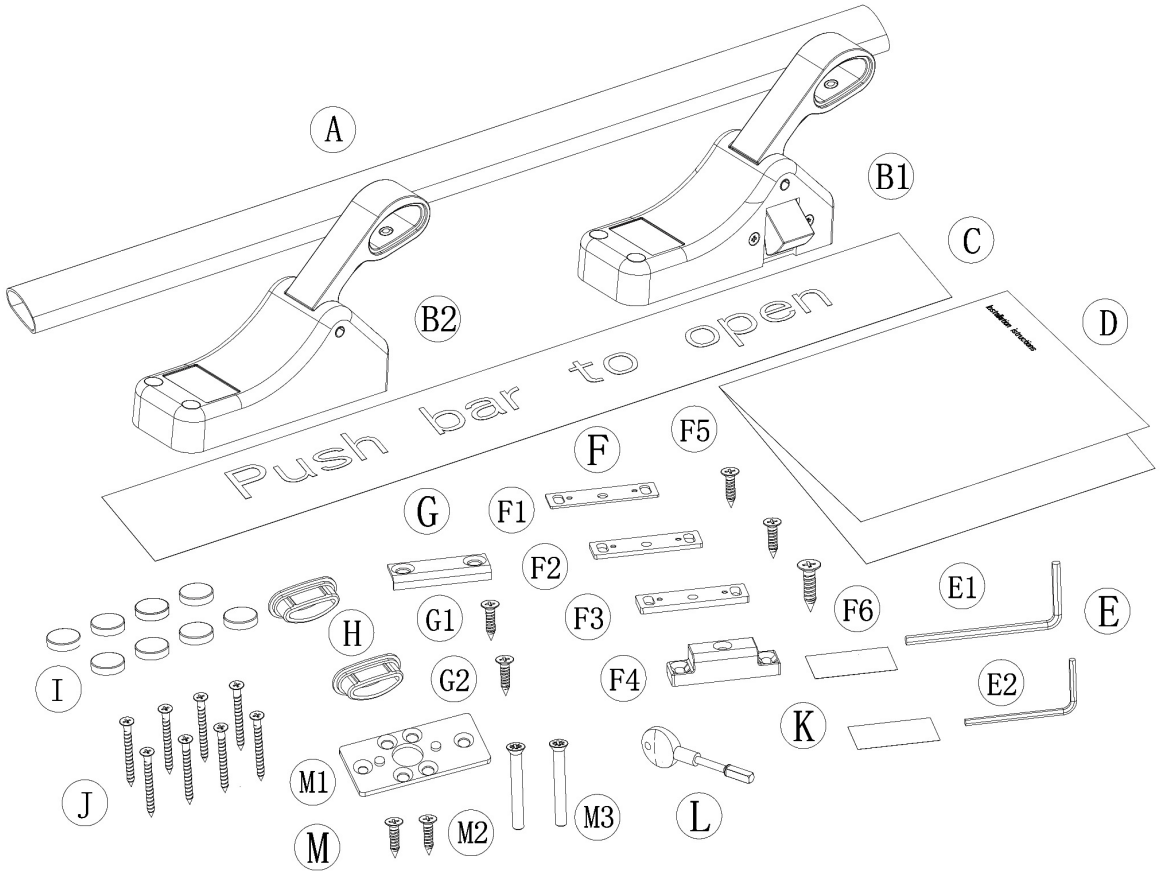
Components



PARTS LIST

(A) Push Bar × 1
(B1) Panic Latch Box × 1
(B2) Panic End Box × 1
(C) Push Bar to Open Sign × 1
(D) Fitting instructions × 1
(E) Allen Key Kit
    (E1) 4mm Allen key × 1
    (E2) 3mm Allen key × 1
(F) Striker Kit
    (F1) 1mm packer × 1
    (F2) 2mm packer × 1
    (F3) 3mm packer × 1
    (F4) Universal striker × 1
    (F5) Fixing Screws × 2
    (F6) Striker Centre Fixing Screw × 1
(G) Rebate Kit
    (G1) Rebate Plate × 1
    (G2) Fixing Screws × 2
(H) Plastic End Caps × 2
(I) Plastic Screw Caps × 8
(J) Wood Screws × 8
(K) Logo Stickers × 2
(L) Dogging Key × 1
(M) Rim Cylinder Fixing Kit
    (M1) Rim Cylinder Fixing Plate × 1
    (M2) Fixing Screws × 2
    (M3) Cylinder Fitting Screws × 2

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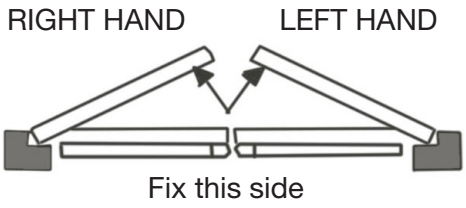
Fitting Guide

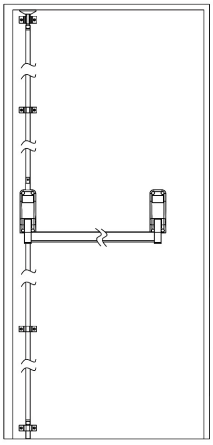
For single or multi-point locking see diagrams below.
Additional locking devices may be required. Refer to relevant product instructions.

Door Suitability
This Push Bar Panic Latch and any easi-exit Locking Devices can be fitted on most wood, steel or aluminium Doors

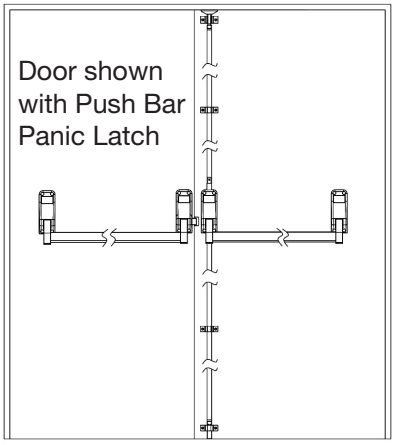
Door size limitations
Minimum clear opening width - 400mm per door.



Single Door



Rebated Double Door



Note 1: If fitting rebated double door set, Panic Bolt must be fitted to fixed leaf and Panic Latch fitted to active leaf.
Note 2: Fit Panic Bolt 20mm back from door edge to allow for Panic Latch striker plate.

Preparation

Common Types of Rebate

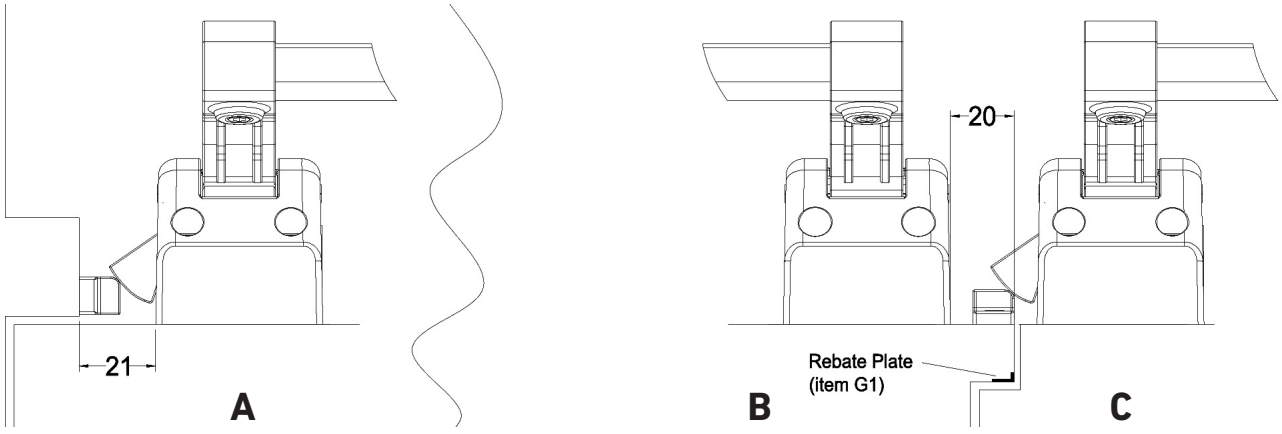


Fig 3.1

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Preparation - (Continued)

1) Check that the door and frame are in good condition and that the door operates correctly.

2) Determine the correct type of rebate and using a height of 1150mm ± 100mm, mark fixing hole positions as required **(see Fig 3.2).**

Note - Fig 3.2 is not a template

Dimensions to Spindle hole:
Single Door - 48mm from edge of door frame
Rebated Double Door (Active leaf) - 36mm from fixed door edge
Rebated Double Door (Fixed leaf) - 48mm from door edge (for Push Bar Panic Bolt)

If fitting External Locking Attachment, see Fig 3.2 and drill a 3mm diameter hole through the door. This will be the centre line point for installing External Locking Attachment, which needs to be fitted using its relevant installation instructions.

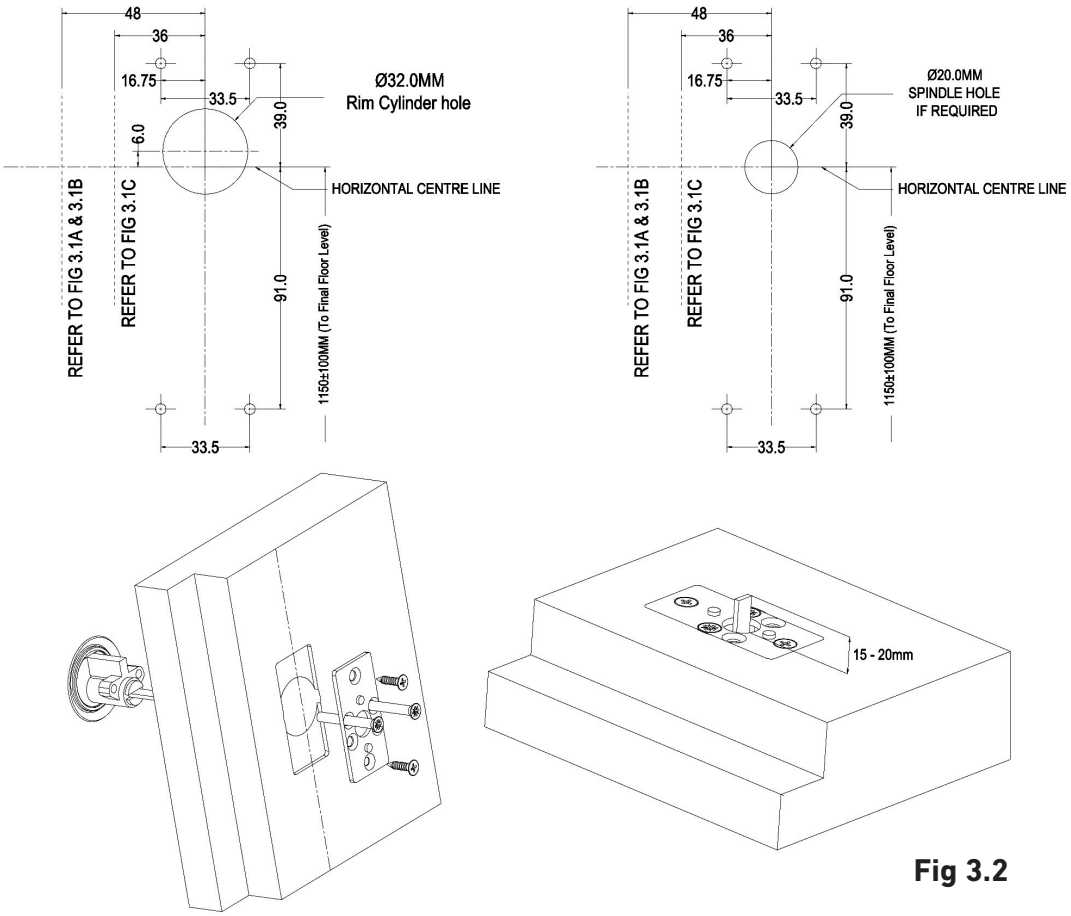

Fig 3.2

Note: Ensure flush fitting of Rim Cylinder plate and tail is cut between 15-20mm from door face

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Installation

1) If Latch requires reversing, remove 4 screws from Latch and Latch Cover. Refit both items on opposite side of Panic Latch Box. **See Fig. 4.1.**

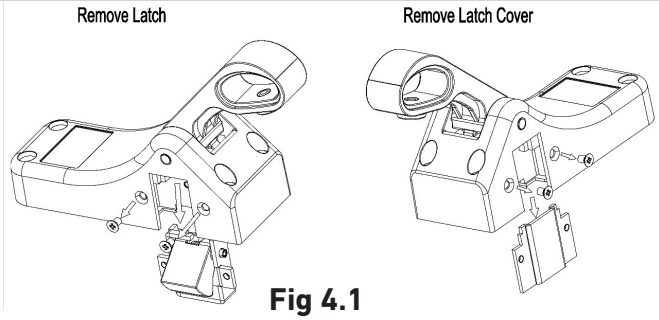
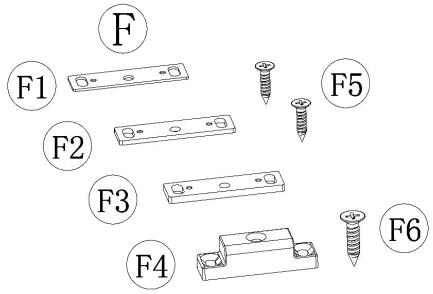


Fig 4.1

2) Drill relevent pilot holes where previously marked

Note: If fitting External Locking attachment or Rim Cylinder, the External Locking Attachment now needs installing according to it's supplied instructions or the Rim Cylinder according to Fig 3.2 on Page 4.

3) Secure Panic Latch Box (B1) to door using 4 screws (Item J)



Use suitable packers to obtain the best position to secure the door

Fig 4.2

4) Installing the Striker

4.1) Referring to **Fig 3.1**, with door closed, position the striker to obtain a close fit between Latch and Striker. The door should not rattle nor need to be pushed to lock the latch. Use packers as necessary.

4.2) Secure the striker in position with the 2 outer screws (F5) and adjust Striker as necessary. **See Fig 4.2**

4.3) Once satisfied with the correct operation, fit the middle screw.

4.4) Ensure the striker is fully secured.

4.5) If fitting to a rebated door, fit the optional Rebate Plate (Item G1) as show in **Fig 4.3**

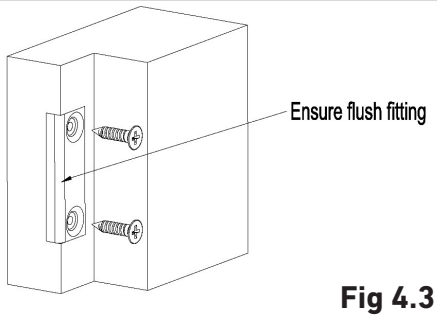
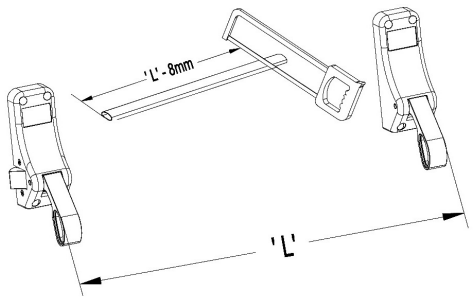


Fig 4.3

5) Screw End Box on hinge side of door at the required distance to suit door, ensuring the box is vertically aligned and in line horizontally with the Panic Latch Box. On a narrow door, the bar may need cutting down but remember to leave a 10mm gap between end box and door frame. Mark through and secure into position.

6) Cut bar to suit "L" distance. **See Fig. 4.4**



Note: If using 730mm Bar, ensure distance L is no more than 738mm. 1170mm crossbar available on request.

Fig 4.4

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Installation - (Continued)

6) Insert the Push Bar through the Panic Latch lever arms and insert plastic caps at each end ensuring they are fully pressed into position. Secure rear screws with supplied Allen key, **See Fig 4.5**

8) Check the operation of the Push Bar Panic Latch is satisfactory.

9) Fit 8 screw covers to boxes and apply the green self adhesive **'Push Bar to Open'** Sign. Fit Logo Stickers to the box recesses.

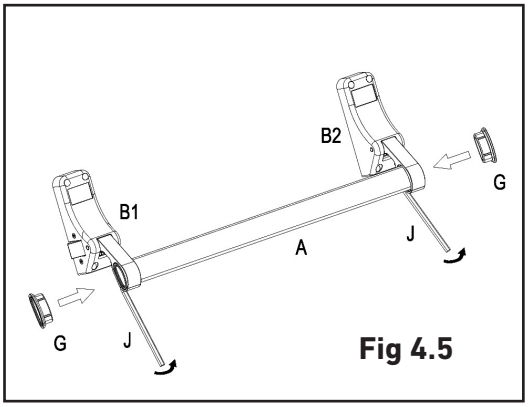

Fig 4.5

DOGGING DEVICE OPERATION

1) Remove allen key cover screw w from right hand side of unit. **See Fig 4.6**

2) Fully depress crossbar, insert key into 5mm sprung dogging pin, push fully and turn key clockwise to lock, the unit is now dogged.3)

3) To remove dogging function, insert key and turn anti-clockwise.

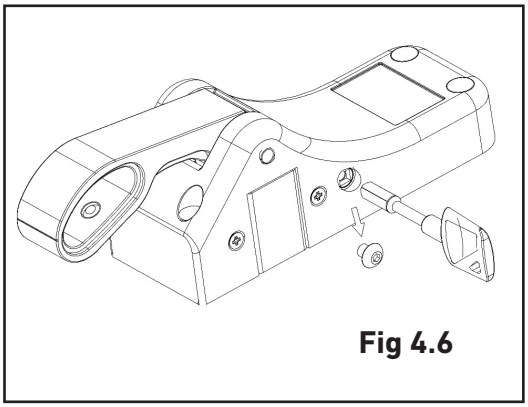
Fig 4.6

Operational Instructions and Maintenance

This Push Bar Panic Latch is fitted to comply with EN 1125.

No instruction of operation is required, the Push Bar Panic Latch will release the door as soon as hand or body pressure is applied.

After 20,000 operations, lubricate using GT85 PTFE solution or similar. Repeat after each additional 20,000 operations.

Ensure all fixings are secure, and that the striker is clean and free from onstruction.

Check for correct operation.

PLEASE LEAVE THESE INSTRUCTIONS WITH THE END USER

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BS EN 1125 Panic exit devices operated by a horizontal bar for use on escape routes

Annex A

Installation and Fitting Instructions

A.1 The producer shall specify the appropiate fixing arrangement for the door types for which the exit device is designed.

A.2 Before fitting an exit device to a door, the door should be checked to ensure correct hanging and freedom from blinding. It is not recommended, for example, that exit devices be fitted to hollow core doors unless specially designed by the producer 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 (See A4), 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.

A.3 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. See Annex B.

A.4 Care should be taken to ensure that any seals or weather-stripping fitted to the complete door assembly, do not inhibit the correct operation of the panic exit device.

A.5 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.

A.6 Where panic exit devices are manufactured in more than one size, it is important that the correct size is selected.

A.7 Category 2 (Standard projection) panic exit devices should be used in situations where there is restricted width for escape, or where the doors to be fitted with the panic exit devices are not able to open beyond 90°

A.8 Where a panic exit device is designed to befitted to a glazed door, it is essential that the glazing is tempered or laminated glass.

A.9 Different fixing can be necessary for fitting panic 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.

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A.10 Panic exit devices are not intended for use on double action (double swing) doors unless specifically designed by the exit device producer.

A.11 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. See Annex C

A.12 The horizontal bar element should normally be installed at a height of between 900mm and 1100mm from the finished floor level, when the door is in the secured position. Where it is known that the majority of the users of the premises will be young children, consideration should be given to reducing the height of the operating element.

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

A.14 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.

A.15 Where panic exit devices are to be fitted to double door sets with rebated meeting stiles and self closing devices, a door coordinator device in accordance with EN 1158 (See Bibliography) 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.

A.16 No devices for securing the door in the closed position should be fitted other than specified in this European Standard. This does not preclude the installation of self-closing devices.

A.17 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.

A.18 Any keepers or protection plates provided should be fitted in order to ensure compliance with this European Standard.

A.19 A sign which reads “Push bar to open” as appropriate, or a pictogram should be provided on the inside face of the door immediately above the horizontal bar, or on the bar of is has a sufficient flat face to take the size of lettering required. The surface area of the pictogram should be not less than 8000mm^2 and its colours should be white on a green background. It should be designed such that the arrow points to the operating element, when installed.

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Annex C

Maintenance Instructions

The following information shall accompany the product:
A) 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 to release the exit device.

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

C) Check that the panic exit device is lubricated in accordance with the producer's instructions.

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.

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