

INSTALLATION INSTRUCTIONS.

294 PUSH BAR SINGLE PANIC BOLT.

INSTALLATION INSTRUCTIONS

Panic devices manufactured in accordance with EN 1125: 2008 will provide a high degree of safety and reasonable security provided that the following fitting instructions are strictly adhered to. It is not recommended that panic devices are fitted to hollow core doors. Unless specially designed by the manufacturer exit devices are not intended for use on double action (double swing) doors.

Before Installation check that both frame and door(s) are in good condition and not twisted. Ensure that the door is hung on three suitable hinges and that it opens smoothly and closes squarely into the frame.

This panic bolt is suitable for use on: single doors, both leaves of double doors with non-rebated meeting stiles and 2nd opening leaf of rebated double door sets.

Max Door size of up to 2550mm high x 1230mm wide (cross bar set at 1100mm)

For taller Doors of up to 3440mm high use 2100mm top shoot tube (Cat. No. P0804) plus an additional shoot guide (Cat. No. P0201). Max door height 4m using 3200mm top shoot kit.

For wider Door leaves up to 1650mm use 1600mm cross bar (Cat. No. P1002)

For wider Door leaves up to 2150mm use 2100mm cross bar (Cat. No. P1003)

Note that if this device is to be fitted on double rebated doors together with a latch device a revised panic bolt fixing position is required as shown on the latch device installation instructions sheet.

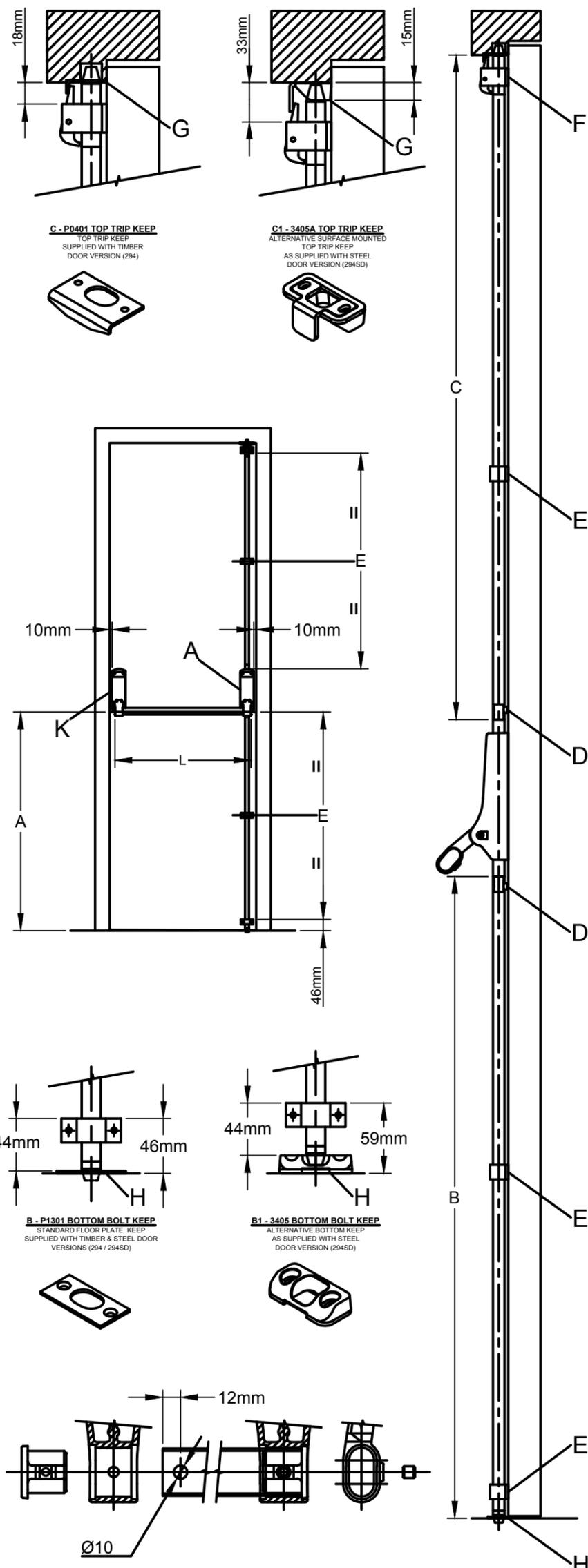
WARNING

The safety features of this product are essential to its compliance with EN 1125: 2008. No modifications of any kind, other than described in these instructions are permitted. If these instructions are disregarded then no responsibility can be accepted by the manufacturer. These instructions must be supplied to the end user by the installer after installation.

FITTING PROCEDURE

Text instructions letter also refers to the relevant details or dimension shown on the diagram.

- A. Determine the height of the push bar between 900mm and 1100mm from floor level. Mark this height on the frame adjacent to the door. Use the template to establish the mounting position for the main operating unit. Align the template with the marked push bar height and the edge of the frame. Drill the fixing holes required. Remove the template and temporarily fix the main operating unit.
- B. Measure bottom length dimension B accurately. Subtract 8mm and cut plain end of (short) tube to this length. Using a hammer drive bottom (short) shoot end (Cat. No. P0601) into cut end. Shoot end must be driven in squarely & fully against tube end.
- B1. When fitting the surface mounted keep (3405). Measure the bottom length dimension B accurately. Subtract 23mm and cut the plain end of (short) tube to this length. Drive the bottom (short) shoot end (Cat. No. P0601) into the cut end. The Shoot end must be driven in squarely & fully against the tube end.
- C. Measure top length dimension C accurately. Subtract 56mm and cut plain end of (long) tube to this length. Drive top (long) shoot end (Cat. No. P0501) into cut end. The Shoot end must be driven in squarely & fully against the tube end.
- C1. When fitting the surface mounted top trip keep (3405A). Measure top length dimension C accurately. Subtract 71mm and cut plain end of (long) tube to this length. Drive top (long) shoot end (Cat. No. P0501) into cut end. The Shoot end must be driven in squarely & fully against the tube end.
- D. Remove the panic bolt operating unit from the door. Fit the top and bottom shoot tubes to operating unit's spigots and retain with socket head cap screws positioned adjacent to the door face.
- E. Position shoot guides (Cat. No. P0201) on shoot tubes. Refit operating unit and fit guides to the door using round head screws as shown. Shoots must be vertical and panic bolt unit and guides must be in alignment.
- F. Locate the Top Trip Guide Assembly (Cat. No. P1201) on the top shoot end. Position as per the diagrams to suit the keep used. Secure the top trip guide to the door.
- G. The Top Trip keep plate (Cat. No. P0401) should be fitted flush into the head frame and with its narrow edge level with the plain rebate. Use the short countersunk head screws provided. Use the keep's aperture as a guide to mark the frame where the bolt will enter. Remove material to approx 17mm deep. When using the 3405A surface mounted keep no material needs to be removed from the frame.
- H. Fit the floor plate (P1301) with the narrow edge level with the inside door face. For wooden floors fit flush with the finished floor surface. For solid concrete floors the keep can be surface mounted. Remove material to allow the bolt to fully enter the keep (approx. 10mm deep). When using the 3405 keep no material needs to be removed.
- I. Operate the panic bolt and ensure that the top trip device holds both shoots in the fully withdrawn position when the door is open.
- J. Close the door and ensure that the top trip device releases the shoots to engage fully in both top and bottom keeps and holds the door firmly closed.
- K. Using the template position the slave unit on the door directly opposite the operating unit. Ensure the two are horizontally aligned and fix.
- L. Measure the outside dimension across the operating arms. Subtract 8mm and cut the plain end of the push bar to length. Drill a 10mm Diameter hole in the plain end of the push bar on the centreline and 12mm from the end.
- M. Locate the push bar in the operating arms and ensure that the holes align with the arm clamp screws. Insert the end plugs (Cat. No. P0901) into both ends of the push bar flush with the operating arms and fully tighten both screws.
- N. Finally test the panic bolt to ensure that when the push bar is operated the door opens immediately and swings freely. When the door is open the shoots are held fully withdrawn and when closed the shoots engage fully in the keeps and hold the door securely closed.
- O. Remove backing paper and fit the self adhesive foil logo stickers into the recesses on the operating & slave units covering the top screws for anti-tamper. Fit green self adhesive "Push Bar To Open" sign onto the door immediately above the push bar.



MAINTENANCE

Weekly: Check for correct operation of the panic device and that the bolts fully engage with the keeps. Ensure that keeps are free from obstruction.

3 Monthly: Check that all fixings are secure.