

503A-B Slimline Push Bar Panic Exit Device

ASSA ABLOY

With Centre Latch & Adjustable Bolts

Installation Instructions

Introduction

Thank you for buying our Slimline Push Bar panic exit device. Before you start to fit the device please read the following important points.

This exit device is suitable for right or left hand opening doors of up to 2440mm (8') high x 1220mm (4') wide. The door must weigh no more than 200kg and be mounted in a good quality well made frame. The door/doors should be checked to ensure correct hanging and freedom from binding. It is **not** recommended that this exit device is fitted to hollow core doors. This exit device is not intended for use on double action (double swing) doors. Ensure that no weather strips or fixings on the door or doorframe stop the device from working properly. This device **must** be fitted by a competent person.

As part of the requirements for EN1125 we must provide you with the following statement. 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 (main or counterpart) are permitted. This means that you **must not** alter anything on this device, except where told to do so in these fitting instructions. For further information please refer to the separate counterpart information leaflet.

If the door is to be fitted with a device which allows you to open it from outside, read the instructions provided with that device. All measurements are in millimetres. These instructions are to be used together with the separate counterpart information leaflet.

Fitting Procedure

Text instruction letters also refer to the relevant details or dimensions shown in the diagrams.

A. Fitting the Mounting Plates.

- A.1. Determine the Centre height of the unit between 930mm and 1130mm from floor level. Mark this position on the edge of the door frame, both sides of the inside of the door. *Note: The centre of the Cross bar will fall approximately 30mm below this.*
- A.2. Starting at the opening edge, place the template (SL-0071) on the door and slide into the jamb rebate (you may need to cut or fold the template), align with the unit centre line (see stage i.) and the jamb line and stick to the door with sticky tape. Mark the positions of the holes for the mounting plate. Follow the instructions on the relevant template and drill the required holes.
- A.3. Remove the mounting plate from the bottom of main unit (pull out). Fix the mounting plate to the door. **All 6 fixing holes must be used and screw heads must not project above plate.**
- A.4. Repeat steps (ii to iii) to fit the passive unit mounting plate to the hinge side of the door. Fix this mounting plate to the door also using all 6 fixing screws.

B. Preparing the shoot tubes.

- B.1. Hand the main unit by removing the packing and gently rotate the arm in the required direction until it clicks. The unit is now handed. If handed incorrectly by mistake refer to Step H.
- B.2. Rotate the mounting plate cam to the correct position (see template) and fit the main unit onto the mounting plate. Temporarily secure using one of the supplied M5 x 8 CSK screws.
- B.3. Measure accurately the bottom length B (from bottom spigot shoulder to floor / frame / face of keep), Subtract 70mm and cut the **plain end** of the **shorter tube** to this length.
- B.4. Drive one of the threaded bushes into cut end of this tube. Bush **must** be driven in fully against the tube end. Screw in the bottom (plain) shoot end plug, leaving an 8mm Gap.
- B.5. Measure accurately the top length B1, (from top spigot shoulder to frame / face of keep), subtract 66mm and cut the **plain end** of the **longer tube** to this length.
- B.6. Drive the second threaded bush into cut end of this tube. Bush **must** be driven in fully against the tube end. Screw in the top (grooved) shoot end plug, leaving an 8mm Gap.

C. Fitting the shoot tubes, bottom guides & Main unit.

- C.1. Remove the main unit from the door.
- C.2. Fit the previously prepared top & bottom shoot tubes (section B) onto the main unit's shoot spigots. Secure with the M5x10 cap head screws provided, with the screw heads facing the door face.
- C.3. Slide one standard (narrow) guide onto the top tube.
- C.4. Slide one standard (narrow) guide followed by the wide guide onto the bottom tube.
- C.5. **Ensure the Mounting plate cam is in the correct position** (approximately 2 o'clock or 10 o'clock position, dependant on handing, see template).
- C.6. Fit unit back onto the mounting plate and secure using 3 M5x8 CSK Screws provided.
- C.7. Locate the bottom (**wide**) guide the correct distance from the floor / frame (see diagram) and secure using the round headed screws provided.
- C.8. Locate the bottom middle guide equidistant on the tube (see diagram) and secure using the round headed screws provided. Ensuring the tube is vertical and the guides are in alignment.

D. Fitting the Top Trip & Top Guide.

- D.1. Keeping the operating arm fully depressed. Locate the top trip device on the top shoot end. Use a 3mm thick spacer between the end of the top shoot and the underside of the frame / face of keep, to ensure that the shoot is fully withdrawn. Secure top trip to door using the round headed screws provided.
- D.2. Locate the top middle guide equidistant on the tube (see diagram) and secure using the round headed screws provided. Ensuring the tube is vertical and the guide and top trip are in alignment.
- D.3. Operate the exit device to ensure the top trip device holds both shoots in the fully withdrawn position when the door is open.

E. Fitting the Keeps.

- E.1. Fit the 'top trip plate' morticed flush into the frame, with its narrow edge level with the door rebate (see diagram). Fix with the short (3/4" Long) countersunk screws provided.
- E.2. Fit the 'floor plate' (as supplied) with the narrow edge level with the inside door face. For wooden doors fit flush with the finished floor surface. Alternatively for solid floor the 'easy clean socket' Catalogue No. P0301 can be used (Note: this item is an additional accessory).
- E.3. With the door closed, position the centre latch keep centred about the latch with the flat face against the door face. Mark the positions of the fixing holes. Fix in place using the countersunk screws provided.

F. Fitting the passive unit & Oval Cross Bar.

- F.1. Hand the passive unit, same process as the main unit (Step B, i.), but the opposite hand
- F.2. Temporarily fit the passive unit onto the mounting plate.
- F.3. Measure accurately the Arm Gap F (see diagram) add 71mm to this dimension and cut Oval cross bar to this length.
- F.4. Remove passive unit from its mounting plate insert one end of tube into the main unit arm and the other into the passive unit arm.
- F.5. Refit the passive unit onto the mounting plate and secure using 3 M5x8 CSK Screws provided.
- F.6. Secure the Cross bar with the 2 M4x6 set screws one in each arm **DO NOT OVER TIGHTEN**

G. Testing the Operation & Fitting the sign.

- G.1. Test the unit 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 and centre latch engage fully in their keeps and hold the door securely closed.
- G.2. Fit the green self adhesive 'Push Bar to Open' sign onto the door positioned immediately above the push bar.

H. Re-Handing the unit. (If required)

If either unit is handed the wrong way in error, please follow these instructions.

- H.1. Turn the unit upside down & pull out the mounting plate to remove it (if required).
- H.2. Slide a small flat bladed screwdriver into the smaller bit of the large aperture along the inside face of the steel chassis inserting it between the chassis and the handing cam (see the diagram).
- H.3. Gently lever the cam forward until it disengages from the arm spindle.
- H.4. Rotate the arm to re-hand the unit the required way (ensure the cam is fully re-engaged).

