

Instructions for fitting your panic bolt on timber doors

HS3PT

Introduction

Thank you for buying our heavy-duty push-bar panic bolt for timber doors.

Before you start to fit the bolt, please read the following important points.

- This bolt is for timber doors measuring up to 2500mm (2.5 metres) high and 1300mm (1.3 metres) wide.
- The door must weigh no more than 200kg and be mounted in a good-quality well-made frame.
- This bolt must be fitted by a competent person.
- Make sure that no weather strips or fixings on the door or doorframe stop the bolt from working properly.
- By law, we must provide the following statement. "The safety features of this product are essential to its compliance with EN1125. No modification of any kind, other than those described in these instructions, are permitted." This means that you must not alter anything on this panic bolt, except where told to do so in these fitting instructions.
- If the door is fitted with a device which allows you to open it from the outside, read the instructions provided with that device.
- Take all measurements in millimetres.

Fitting the panic bolt

Follow the steps below to fit the bolt. If you have a problem at any point, ring us on 01543 460030.

1 Make sure you have everything on the panic bolt contents list and the screw pack contents list.

Then get together everything you need for the job. You will need the following.

- Sticky tape (to stick the templates to the door)
- A pozi-head screwdriver
- A tape measure and calliper rule
- A hacksaw
- A rubber mallet
- A drill with 2.5mm, 7mm, 10mm, 13mm and 19mm bits
- A chisel
- A pencil

2 Take the arm assemblies off the box unit and the slave unit by undoing the socket-head screw Bs.

3 Make sure you have templates 1, 2 and 3. (You must use the template to make sure you fix all parts of the bolt in the correct place. If you don't use the templates, the bolt will not work properly.)

4 To fit the box unit, stick Template 1 to the door as explained on that template. Using a 7mm bit, drill four holes 35mm deep where shown by ⊕ on the template. Using a 13mm bit, drill two holes 105mm deep in the edge of the door where shown by ⊕ on the template. Insert two core As with the holes facing forwards to line up with the holes drilled in the face of the door. Temporarily fit two packer As and the box unit to the door with four screw Cs which pick up the holes in the core As.

5 To fit the top bolt guide, stick Template 2 to the door as explained on that template. Using a 7mm bit, drill four holes 35mm deep where shown by ⊕ on the template. Using a 13mm bit, drill two holes 105mm deep in the edge of the door where shown by ⊕ on the template. Insert two core Bs with the holes facing forwards to line up with the holes drilled in the face of the door. Temporarily fit two packer Cs and the top bolt guide to the door with four screw Fs which pick up the holes in the core Bs.

6 To fit the bottom bolt guide, stick Template 3 to the door as explained on that template. Using a 7mm bit, drill four holes 35mm deep where shown by ⊕ on the template. Using a 13mm bit, drill two holes 105mm deep in the edge of the door where shown by ⊕ on the template. Insert two core Bs with the holes facing forwards to line up with the holes drilled in the face of the door. Temporarily fit two packer Cs and the bottom bolt guide to the door with four screw Fs which pick up the holes in the core Bs.

7 To fit the slave unit, stick Template 1 to the door as explained on that template and at the same height as the box unit. Using a 7mm bit, drill four holes 35mm deep where shown by ⊕ on the template. Using a 13mm bit, drill two holes 105mm deep in the edge of the door where shown by ⊕ on the template. Insert two core As with the holes facing forwards to line up with the holes drilled in the face of the door. Temporarily fit two packer As and the slave unit to the door with four screw Cs which pick up the holes in the core As.

8 Measure accurately from the top shoulder on the box unit (see diagram 1) to the underside of the top of the doorframe. From this length, subtract 78mm for 30mm bolts or 89mm for 19mm bolts. Now cut the top tube to this size, measuring from the end with the hole. Finally, use a rubber mallet to carefully drive the bolt insert into the end you have cut.

9 Measure accurately from the bottom shoulder on the box unit (see diagram 2) to the doorsill. From this length, subtract 146mm. Now cut the bottom tube to this size, measuring from the end with the hole. Finally, use a rubber mallet to carefully drive the bolt insert into the end you have cut.

10 Remove the box unit you temporarily fitted at step 4 and attach the top and bottom tubes to it (see diagram 3) with socket-head cap screws (screw D). Replace the box unit. Position the top and bottom tube guides (with two packer Bs each) around the top and bottom tubes and fix with screw As.

11 Remove the top bolt guide you temporarily fitted at step 5. Screw the top bolt into the bolt insert in the top tube and use a calliper rule to leave a 5mm gap (see diagram 4). Refit the top bolt guide. Check that the top bolt trips the catch on the top bolt guide and holds the bolt in an open position. (If necessary, make adjustments by removing the top bolt guide and screwing the top bolt into or out of the top tube.)

12 Remove the bottom bolt guide you temporarily fitted at step 6. Screw the bottom bolt into the bolt insert in the bottom tube and use a calliper rule to leave a 5mm gap (see diagram 5). Make sure the pin on the bottom bolt catches in the slot in the bottom bolt guide. (If necessary, make adjustments by removing the bottom bolt guide and screwing the bottom bolt into or out of the bottom tube.)

13 Mark where the top and bottom bolts will enter the doorframe and the doorsill. Also mark where the bolt of the box unit will enter the doorframe. Where marked, use a 19mm bit to drill one hole 30mm deep. Line up the bolt plates with the bolts and fit to the doorframe and doorsill with two screw As for each bolt plate.

14 Measure accurately between the outside of the arm on the box unit and the outside of the arm on the slave unit (see diagram 6). Subtract 8mm and cut the oval crossbar to this new length, measuring from the end with the hole. Measure 14mm from the end of the oval crossbar without a hole and drill a 10mm hole on the same face as the existing hole. Insert the bar into both arms and using a rubber mallet, drive in the crossbar end plugs. Finally, use screw Es to attach the crossbar to the box unit and slave unit.

Maintenance

Once the bolt is fitted you need to carry out regular maintenance as set out below.

Weekly

- Make sure the push bar is working properly and that the bolts go into the bolt plates and catches.
- Make sure there are no obstructions in the hole the bolts go into.

Every three months

- Check that all fixings are secure and lubricate the bolts and moving parts.

Diagram 1

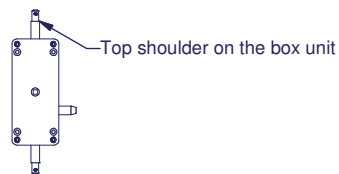


Diagram 2

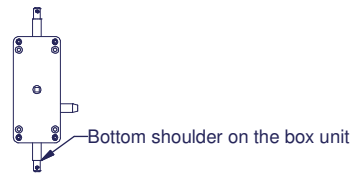


Diagram 3



Diagram 4

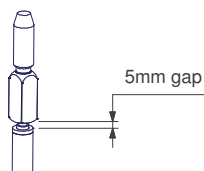


Diagram 5

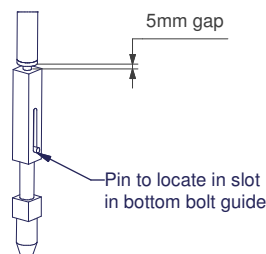
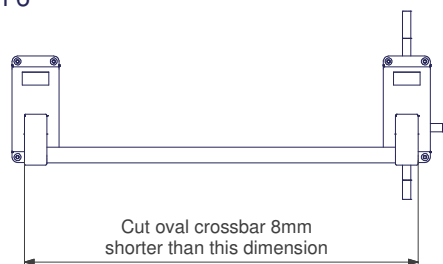



Diagram 6



	Fred Duncombe Ltd. Progress Drive Cannock Staffordshire, WS11 3JE England
	1121 AA0022 EN1125 : 1997 + A1 : 2001 37601321A
03	Substances : NONE