

# ASPIRE

020 3744 0704  
support@aspire-doors.co.uk

## CALIBRE FOLDING FRENCH

---

### INSTALLATION INSTRUCTIONS

**Depending on the product you have ordered, your frame may require trimming as part of the installation process. Please read these instructions fully before assembling your framework.**

#### TAKE NOTE

Please ensure all components are in good condition before you start.

Only fit this set using the supplied framework and hardware. Do not attempt to install in unspecified configurations. Failure to adhere to this will invalidate your warranty.

Ensure all unfinished or primed timber components are finished before you start.

#### PLEASE BE AWARE

This set must be installed by two competent trades-people.

These doors are joinery products, and therefore only be installed by professional builders or carpenters.



# BEFORE YOU BEGIN

---

## You will need:

- Instant grab adhesive
- Fixings suitable for your surrounding structure
- 4 x No.10 x 75mm wood screws
- 25mm router bit and router
- Plastic packers
- Power drill and driver
- 3mm drill bit, plus bits suitable for your chosen fixings
- Pozidrive screw driver bit
- Multi-purpose saw

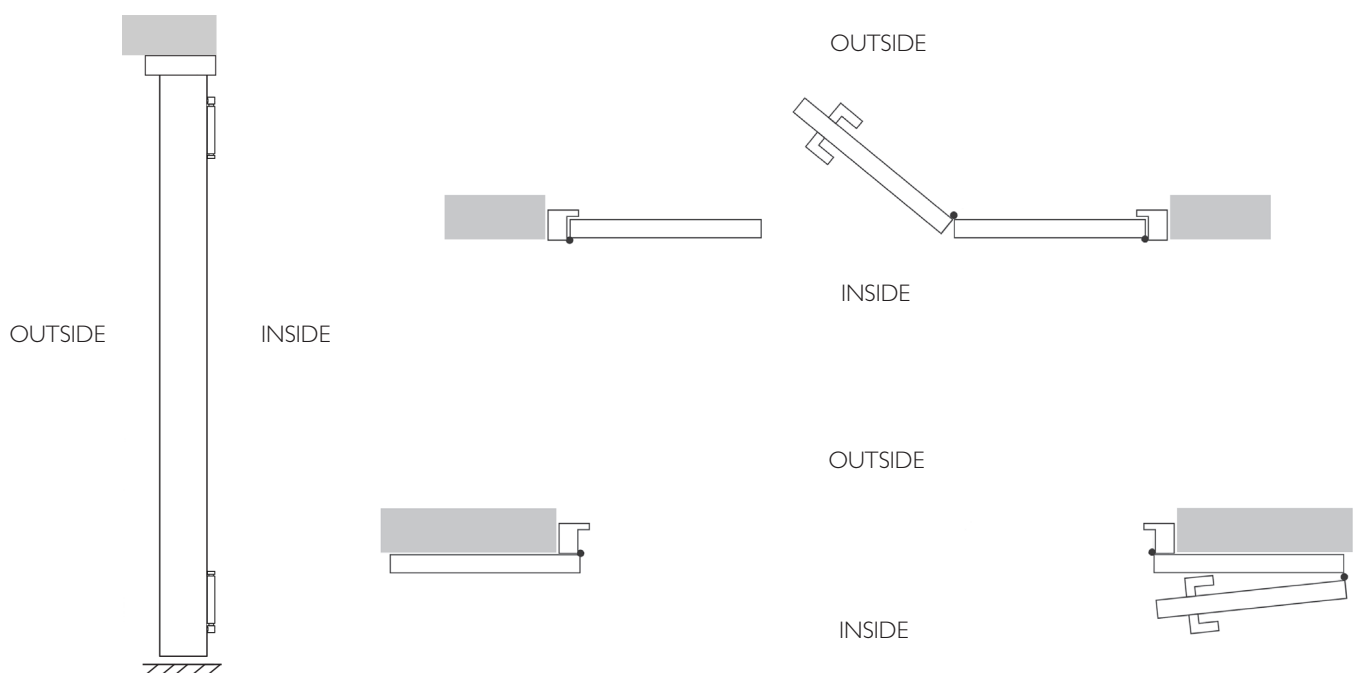
Throughout these instructions, some diagrams refer to the “Inside” and “Outside” of the set. This is simply a way of specifying the sides of the set. The doors of the Calibre system will always open to the “Outside” face of the set first, then fold back against the wall on the “Inside” face. Please bear this in mind when deciding which way to fit the doors in the aperture.

**Handles and a latch are not supplied as part of this set.**

# SYSTEM OVERVIEW

---

## EXAMPLE 2+1 SET



# FRAME COMPONENTS

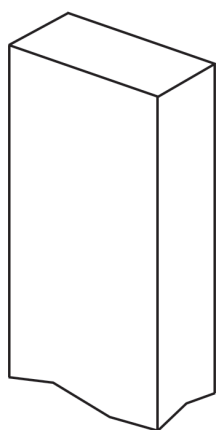
---

**PLEASE NOTE:** Depending on the size of set that you purchased, your **frame head** will be one of two different master lengths.

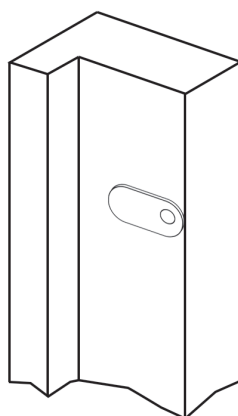
**Depending on the product you order, these may need to be trimmed to the correct size for your set as part of the assembly and installation process.**

COMPONENT	QTY	SIZE
HEAD	1	2374 / 2826 x 66 x 30mm
JAMBS	2	2001 x 66 x 45mm
PAIR MAKER	1	1981mm

HEAD



JAMB

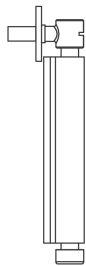


PAIR MAKER



# HARDWARE COMPONENTS

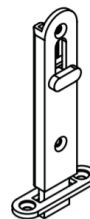
Use the tables below to identify the components for your opening configuration in the hardware box supplied with your set.



**BWS1**  
PIVOT



**BW3**  
HINGE



**360SN**  
FLUSH BOLT

<b>2+1</b>	
PART	QTY
BWS1	4
BW3	3
360SN	3

<b>2+2</b>	
PART	QTY
BWS1	4
BW3	6
360SN	4

## PREPARE THE APERTURE & FRAME

Use the tables below to build your aperture (AP) to the correct size for your set. Once the aperture is built, cut your **head** to the designated frame width.

<b>3 DOOR PANELS</b>				
PANEL SIZE	AP. WIDTH	AP. HEIGHT	FRAME WIDTH	FRAME HEIGHT
533mm (21")	1692mm	2036mm	1682mm	2031mm
573mm (22.5")	1810mm	2036mm	1800mm	2031mm
610mm (24")	1924mm	2036mm	1914mm	2031mm
686mm (27")	2152mm	2036mm	2142mm	2031mm

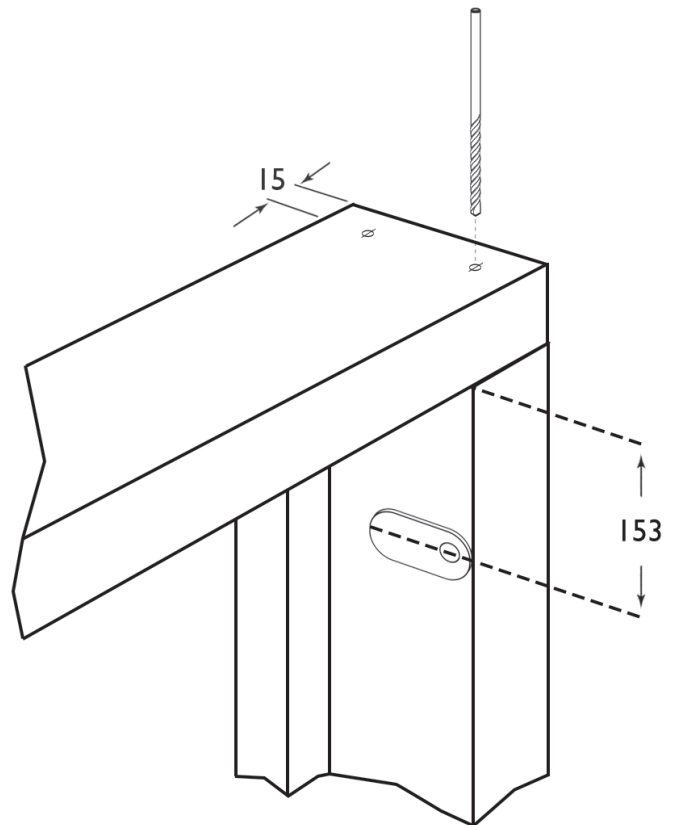
<b>4 DOOR PANELS</b>				
PANEL SIZE	AP. WIDTH	AP. HEIGHT	FRAME WIDTH	FRAME HEIGHT
533mm (21")	2226mm	2036mm	2216mm	2031mm
573mm (22.5")	2384mm	2036mm	2374mm	2031mm
610mm (24")	2534mm	2036mm	2524mm	2031mm
686mm (27")	2836mm	2036mm	2826mm	2031mm

# ASSEMBLE THE FRAME

---

Please ensure you have the frame jambs the correct way up. The centre of the pivot machining should be 153mm from the top of the jamb, not from the bottom.

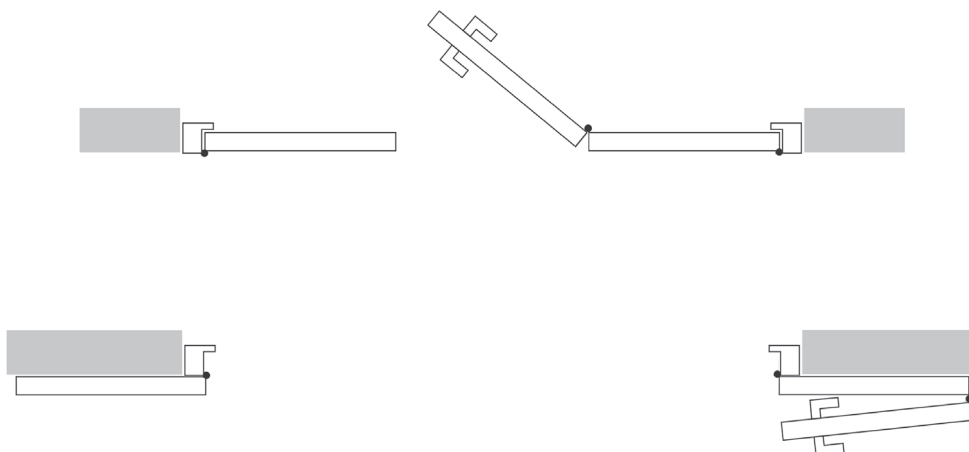
- Using a **3mm drill bit**, drill all the way through the frame head at both ends in the two positions shown in the diagram.
- Using the same **3mm drill bit**, drill through the pre-drilled holes into the jambs to around **75mm** from the top of the head.
- Fix through the pre-drilled holes using the 4 x No.10 x 75mm wood screws.



# FIT THE FRAME

---

For the next step, please take note that the central doors will first open on the rebated side of the frame, then the whole set will fold back flat on the non-rebated side, as shown in the diagrams below.



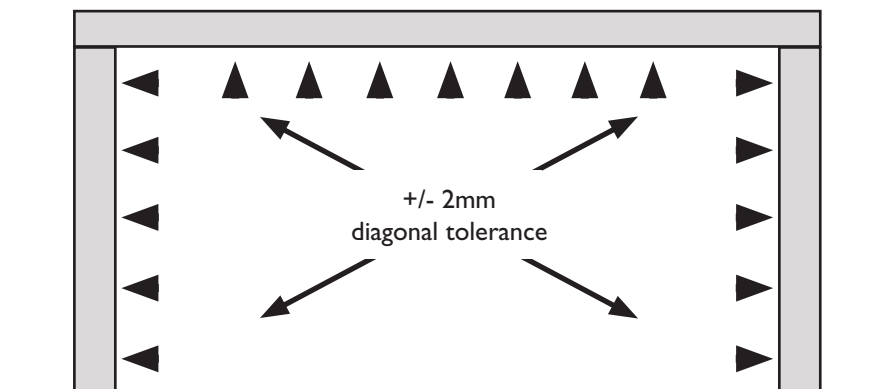
- Offer the frame up to your opening with the non-rebated side of the jambs either in line with or up to 3mm in front of the face of the wall.



- ! If you are planning on fitting skirting or architrave around your set, your frame position will need to allow for the thickness of those sections. **Failure to do so will**
- **prevent the doors folding 180 degrees.**



- Fix the **jambs** and **head** at 450mm centres using fixings suitable for your particular installation.
- **Pack out as necessary to ensure jambs are vertically level and the frame is square.**



## CHECK INTERNAL REBATE

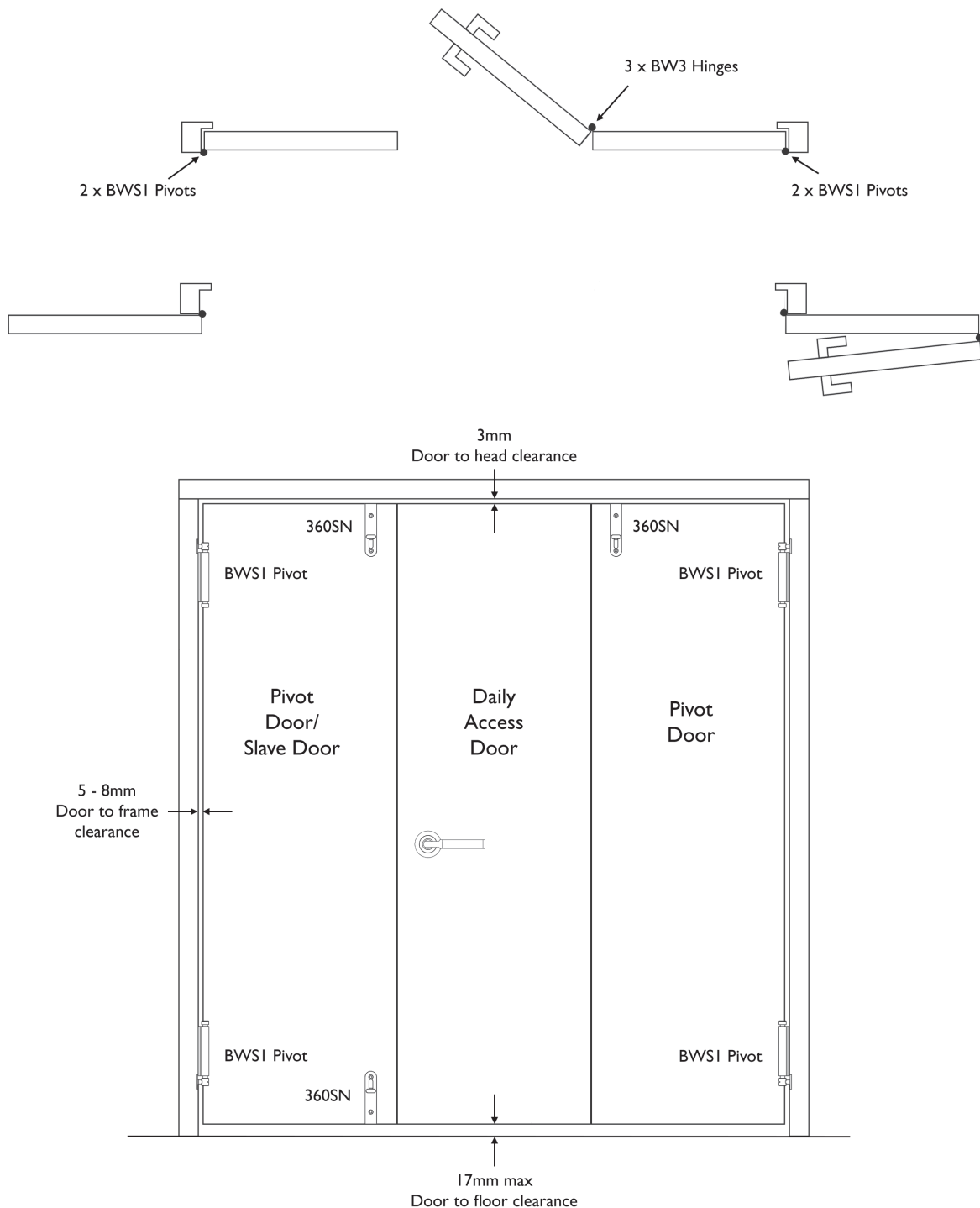
**Before continuing to the next step, use the tables below to check your internal frame rebate measurements. Adjust frame and packing if necessary.**

3 DOOR PANELS			4 DOOR PANELS		
PANEL SIZE	FRAME WIDTH	REBATE WIDTH	PANEL SIZE	FRAME WIDTH	REBATE WIDTH
533mm (21")	1682mm	1622mm	533mm (21")	2216mm	2156mm
573mm (22.5")	1800mm	1740mm	573mm (22.5")	2374mm	2314mm
610mm (24")	1914mm	1854mm	610mm (24")	2524mm	2464mm
686mm (27")	2142mm	2082mm	686mm (27")	2826mm	2766mm

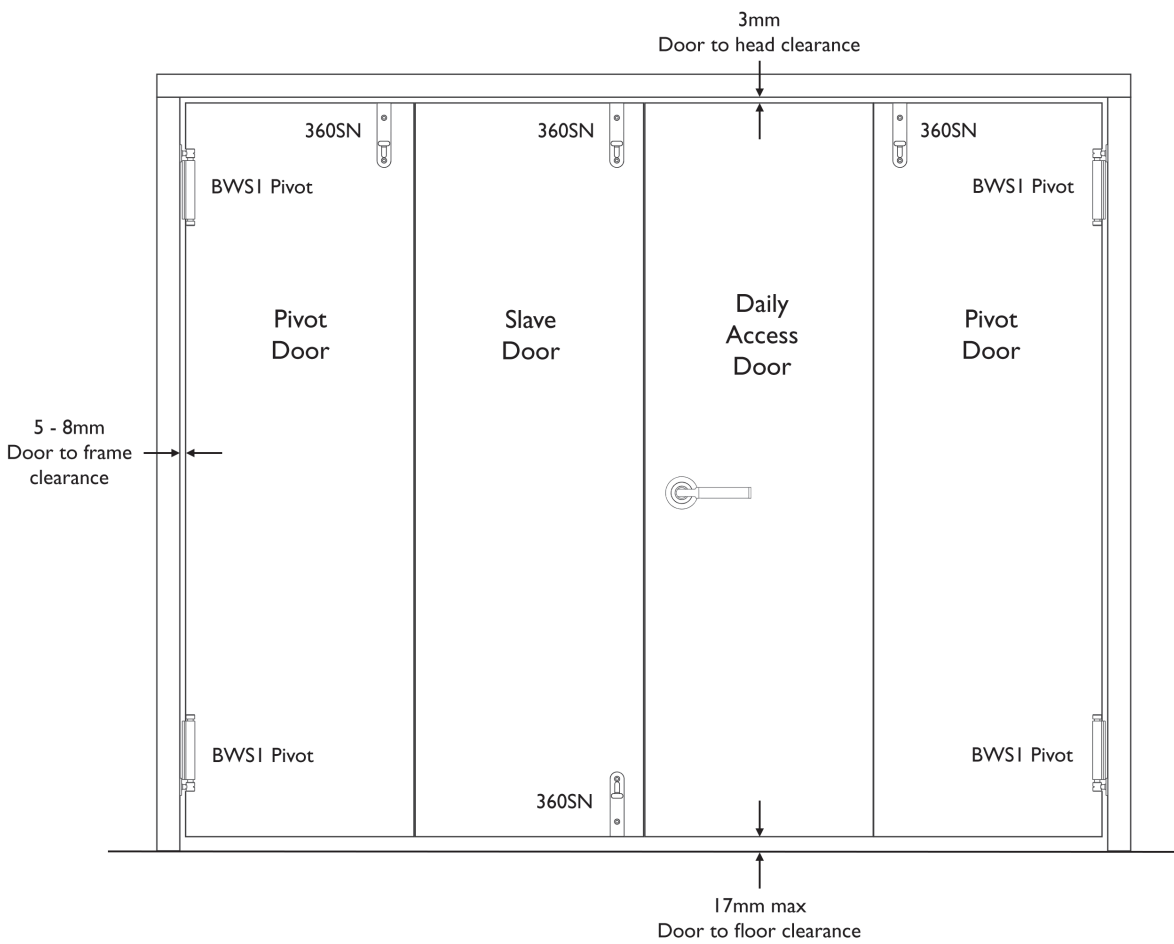
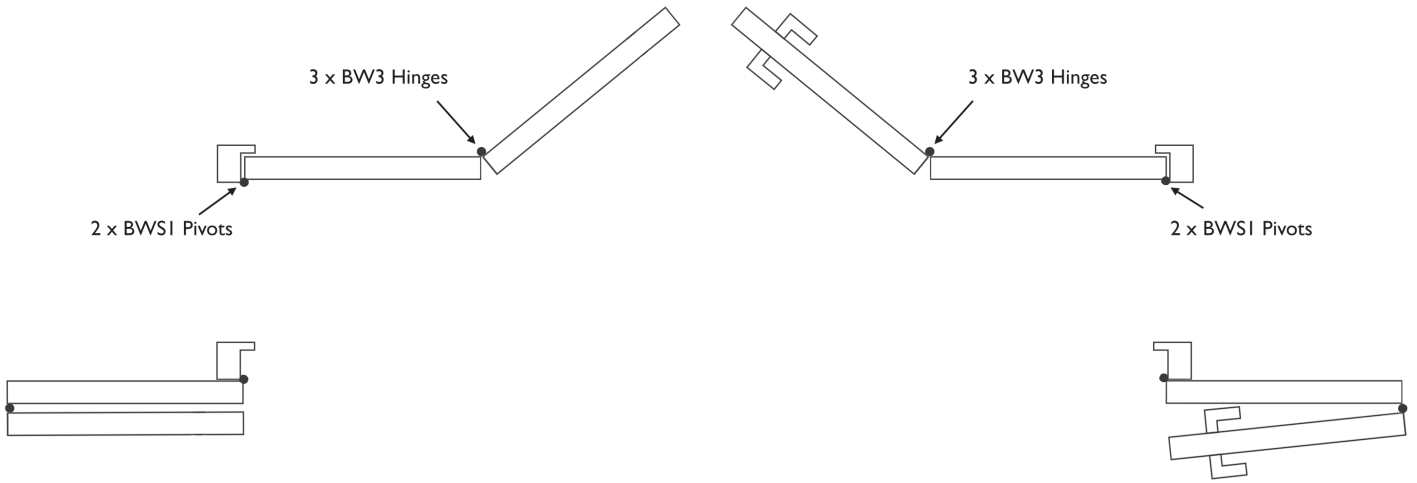
# HARDWARE POSITIONS

Use the configuration diagrams on the following pages to identify the hardware positions for your set. **If you wish to have the handled daily access door on the left as opposed to the right, simply reverse the order of the door panels and hardware in the diagrams below.**

## 3 DOOR SYSTEMS



# 4 DOOR SYSTEMS

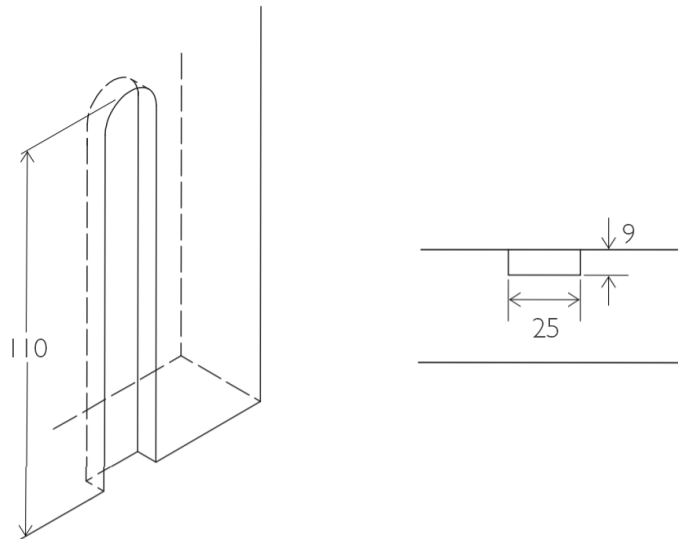




# FIT SHOOTBOLTS

---

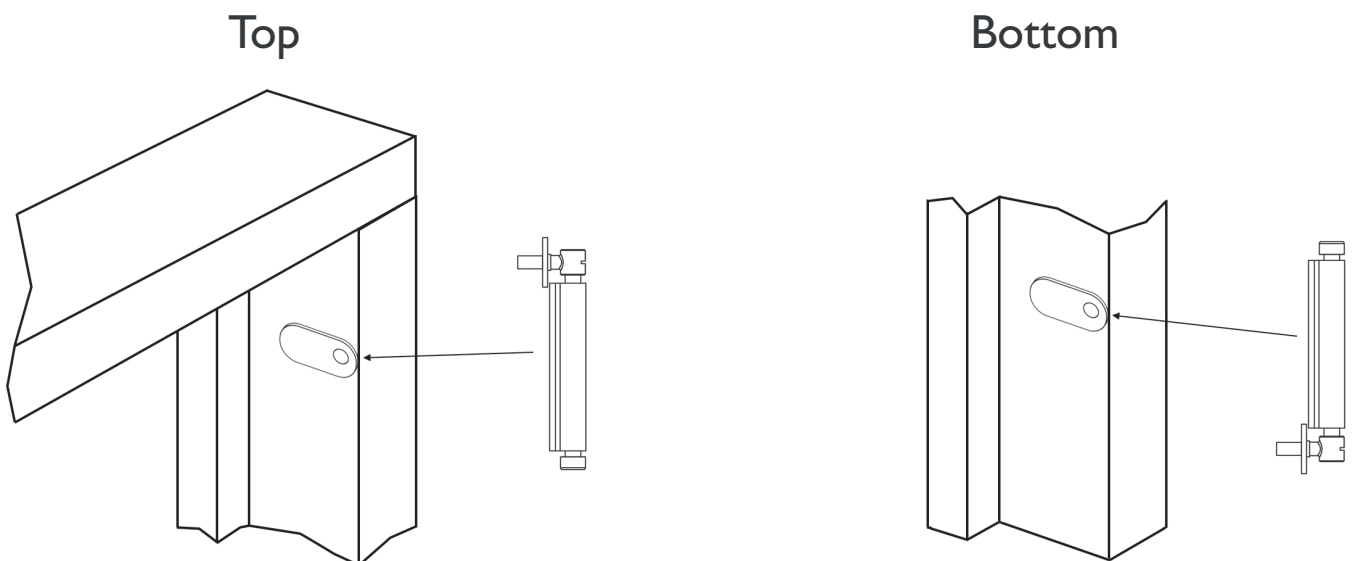
Using a 25mm router bit, rout out in the necessary positions highlighted in your hardware configuration plan and fit the 360SN shootbolts.



# HANG PIVOT DOORS

---

- Fit the BWSI pivot hinges into the pre-machined recesses in each frame jamb. Ensure the pivots are the correct way round for their position, as shown in the diagram below. **The hinge flag can be reversed if necessary by undoing the bolt through the main body of the hinge.**
- Screw the main body of the hinge into the mounting plate until the back of the hinge flag is 1mm from the face of the jamb. This will allow for the greatest range of lateral adjustment.



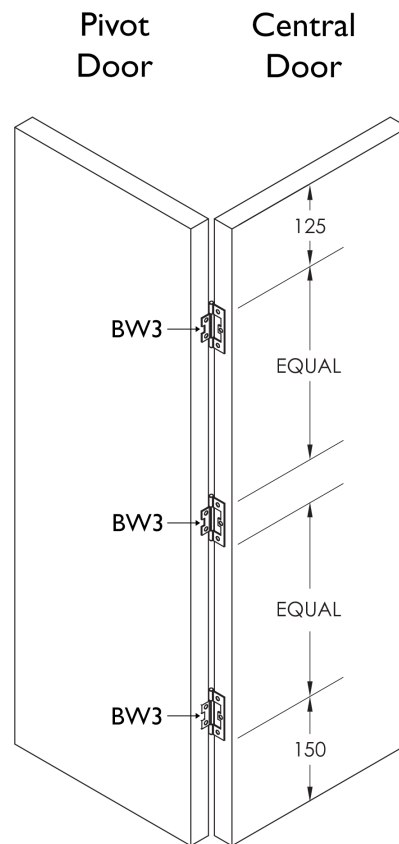
- Offer each pivot door up to the relevant pivot hinges. Pre-drill and fit each door, leaving a 3mm gap between the top of the door and the underside of the frame head. Use an allen key to adjust each top pivot to achieve the correct clearance.

# HANG CENTRAL DOORS

---

- Pre-drill and fix the central daily access door and (if you have 4 doors) the slave door with the BW3 hinges in the positions shown in the diagram.

**Ensure you fix the hinges with the barrel on the correct face of the doors. Refer to your relevant hardware diagram for guidance.**



## FINAL STEPS

---

- Use the instant grab adhesive to fit the pair maker to the “Inside” face of the central edge of the slave door.
- Adjust the top pivot hinges to ensure the doors are square within the framework and function correctly by using an allen key.

# CARE & MAINTENANCE

---

Hardware is subject to deterioration from everyday use and from the environment that it is in. In particular, it is important that routine maintenance be carried out in industrial applications.

## General

Inspect all fixings for tightness every six months. Tighten if necessary.

Routinely check for wear and if excessively worn, the part should be replaced.

## Pivots

If doors 'settle' and door clearance is reduced, raise the doors by adjusting each top pivot using an allen key. Visible surfaces should be cleaned using a damp cloth and mild detergent, then wiped dry. Apply a light application of corrosion preventative to all surfaces, using a dry cloth to remove excess.

## Hinges

Visible surfaces should be cleaned using a damp cloth and mild detergent, then wiped dry. Apply a light application of corrosion preventative to all surfaces, using a dry cloth to remove excess.

## Flush Bolts

Visible surfaces should be cleaned using a damp cloth and mild detergent, then wiped dry. Apply a light application of lubricant to internal mechanisms and bolt using a suitable nozzle-spray.