ASPIRE

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

REPUTE INTERNAL BI-FOLDS

INSTALLATION INSTRUCTIONS

Depending on the product you have ordered, your frame may requiring 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.

This set is top hung, so must be fixed upwards into a supporting structure capable of taking the product load.

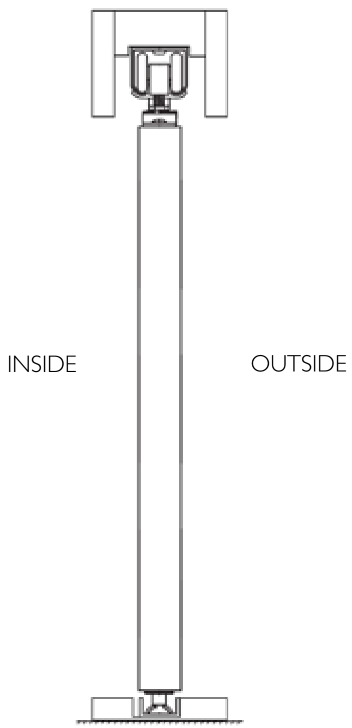
BEFORE YOU BEGIN

You will need:

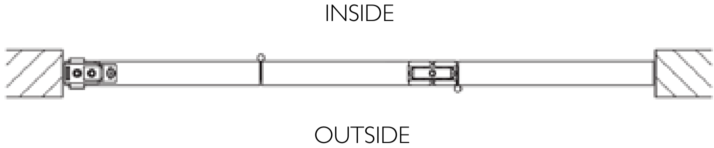
- Instant grab adhesive
- Fixings suitable for your surrounding structure
- 8 x No.10 x 75mm wood screws
- 25mm router bit, 17mm router bit and router
- Plastic packers
- Power drill and driver
- 3mm, 5mm and 13.5mm drill bits, plus bits suitable for your chosen fixings
- Pozidrive screw driver bit
- 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 bi-fold. The doors of the bi-fold will always fold on the "Outside" face of the set, so 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 3+0 SET

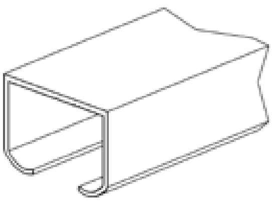


FRAME & TRACK COMPONENTS

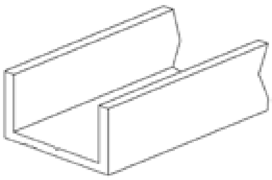
PLEASE NOTE: Depending on the size of set that you purchased, your **tracks**, **frame head**, **head fascias** and **threshold** will be one of three different master lengths.
Depending on the product you order, these may need to be trimmed to the correct size for your set as part of the assembly and installation process.

COMPONENT	QTY	SIZE
TOP TRACK	1	2999 / 3066 / 4134 x 40 x 30mm
BOTTOM TRACK	1	2999 / 3066 / 4134 x 23 x 15mm
HEAD	1	2361 / 3128 / 4196 x 49 x 25mm
HEAD FASCIA	2	2361 / 3128 / 4196 x 62 x 12mm
THRESHOLD	1	2361 / 3128 / 4196 x 74 x 20mm
JAMB	2	2053 x 74 x 30mm
DOOR STOP	2	2003 x 18 x 12mm

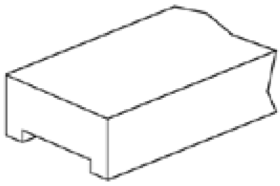
TOP TRACK



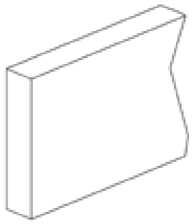
BOTTOM TRACK



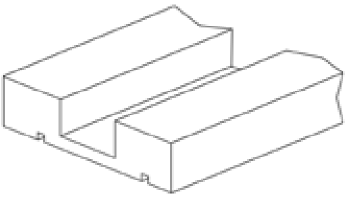
HEAD



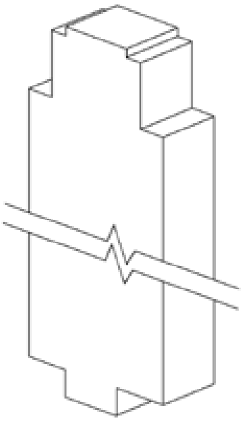
HEAD FASCIA



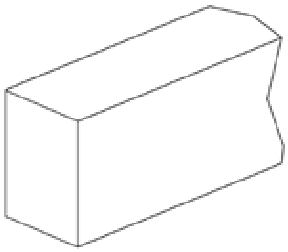
THRESHOLD



JAMB

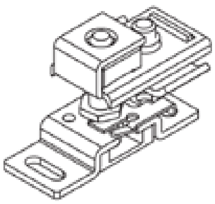


DOOR STOP

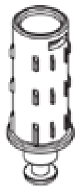


HARDWARE COMPONENTS

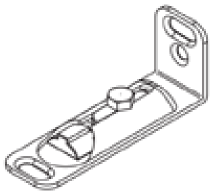
Use the tables below to identify the components for your opening configuration in the hardware box supplied with your set.



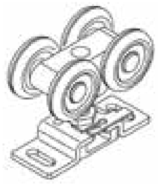
818
TOP PIVOT



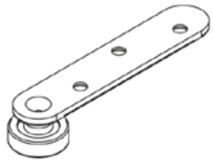
802
BOTTOM PLUG



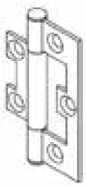
806
BOTTOM BRACKET



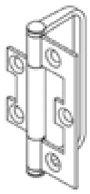
606
TOP CARRIER



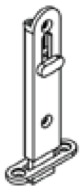
106
BOTTOM GUIDE



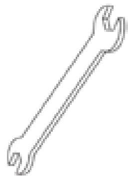
282
HINGE



282H
HANDLE HINGE



360SN
FLUSH BOLT



805-SPN
SPANNER

	QTY PER CONFIGURATION					
PART	**3+0**	**3+1**	**4+0**	**5+0**	**5+1**	**3+3**
818	1	2	1	1	2	2
802	1	2	1	1	2	2
806	1	2	1	1	2	2
606	1	1	2	2	2	2
106	1	1	2	2	2	2
282	5	5	7	10	10	10
282H	1	1	2	2	2	2
360SN	1	1	2	2	3	3
805-SPN	1	1	1	1	1	1

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, head fascias** and **threshold** to the designated frame width. Cut your **top track** and **bottom track** to 64mm narrower than your designated frame width.

3 DOOR PANELS				
PANEL SIZE	AP. WIDTH	AP. HEIGHT	FRAME WIDTH	FRAME HEIGHT
533mm (21")	1684mm	2084mm	1674mm	2078mm
573mm (22.5")	1804mm	2084mm	1794mm	2078mm
610mm (24")	1915mm	2084mm	1905mm	2078mm
686mm (27")	2143mm	2084mm	2133mm	2078mm
762mm (30")	2371mm	2084mm	2361mm	2078mm

4 DOOR PANELS				
PANEL SIZE	AP. WIDTH	AP. HEIGHT	FRAME WIDTH	FRAME HEIGHT
533mm (21")	2219mm	2084mm	2209mm	2078mm
573mm (22.5")	2380mm	2084mm	2370mm	2078mm
610mm (24")	2526mm	2084mm	2516mm	2078mm
686mm (27")	2830mm	2084mm	2820mm	2078mm
762mm (30")	3135mm	2084mm	3125mm	2078mm

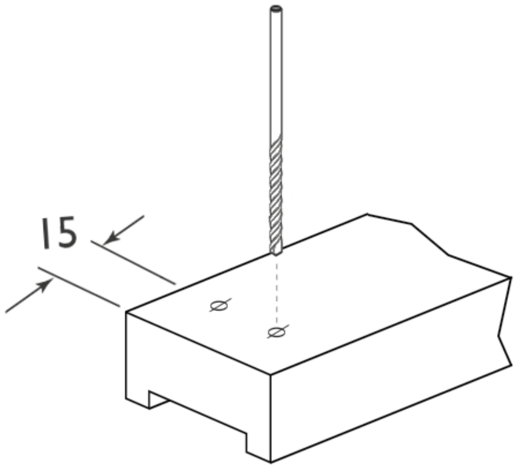
5 DOOR PANELS				
PANEL SIZE	AP. WIDTH	AP. HEIGHT	FRAME WIDTH	FRAME HEIGHT
533mm (21")	2753mm	2084mm	2743mm	2078mm
573mm (22.5")	2953mm	2084mm	2943mm	2078mm
610mm (24")	3138mm	2084mm	3128mm	2078mm
686mm (27")	3518mm	2084mm	3508mm	2078mm
762mm (30")	3898mm	2084mm	3888mm	2078mm

6 DOOR PANELS				
PANEL SIZE	AP. WIDTH	AP. HEIGHT	FRAME WIDTH	FRAME HEIGHT
533mm (21")	3288mm	2084mm	3278mm	2078mm
573mm (22.5")	3528mm	2084mm	3518mm	2078mm
610mm (24")	3750mm	2084mm	3740mm	2078mm
686mm (27")	4206mm	2084mm	4196mm	2078mm
762mm (30")	4662mm	2084mm	4652mm	2078mm

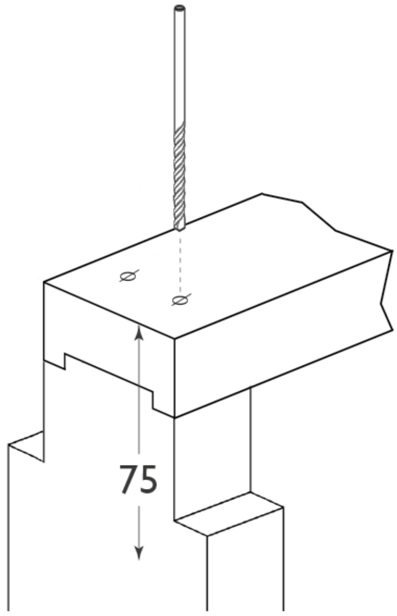
ASSEMBLE THE FRAME

- Using a **5mm drill bit,** drill all the way through the frame head at both ends in the two positions shown in diagram **A**.
- Using a **3mm drill bit,** drill through the pre-drilled holes into the top of the jambs to around **75mm** from the top of the head, as shown in diagram **B**.
- Fix through the pre-drilled holes using the 4 x No.10 x 75mm wood screws.

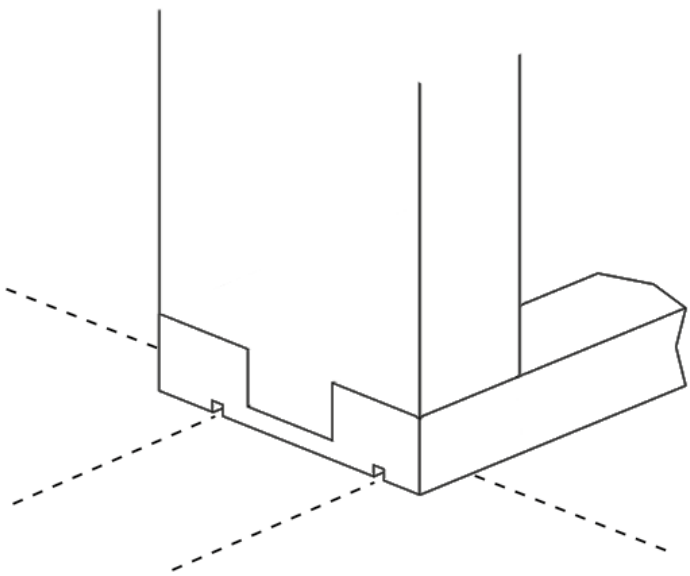
A)



B)



- Following the same process, fix through the grooved recesses on the underside of the threshold into the bottom of each jamb.



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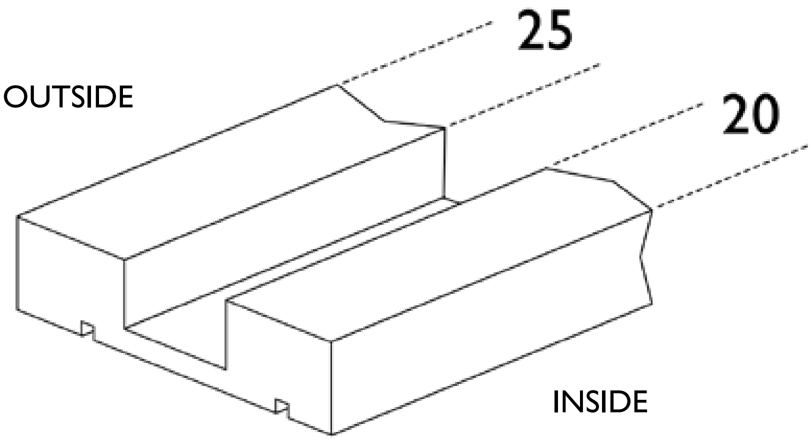
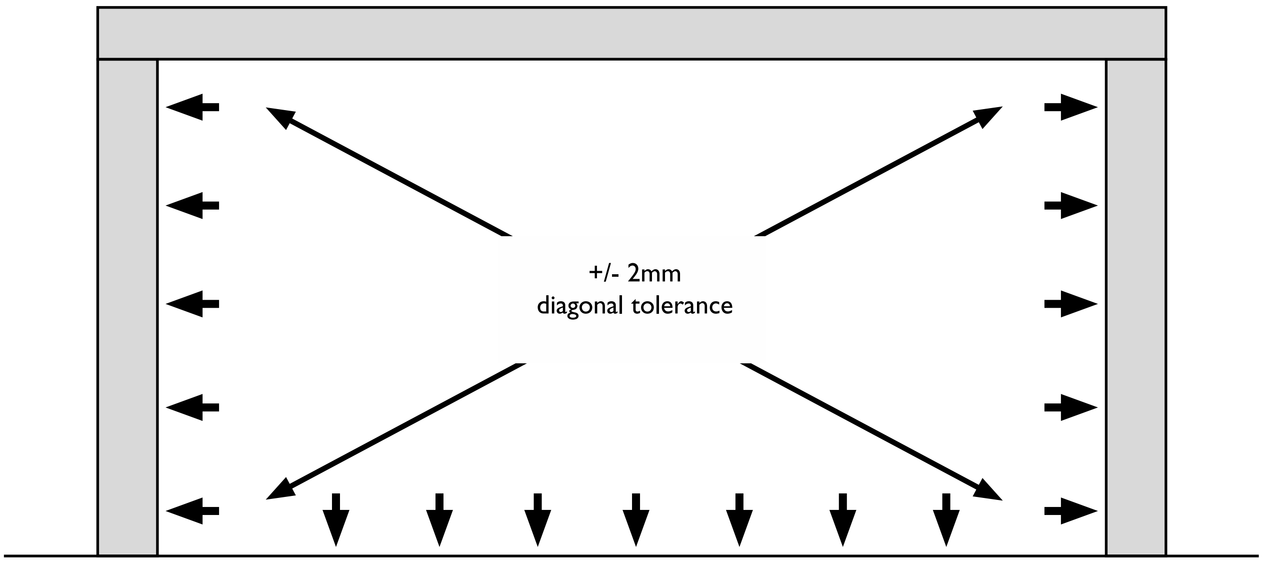
FIT THE FRAME

For the next step, please take note that the doors will always open away from the narrower section of the threshold.



Offer the frame up to your opening and fix the **jambs** at 450mm centres using fixings suitable for your installation. Fix down through the channel in the **threshold** at 600mm centres.

Pack out as necessary to ensure jambs are vertically level.

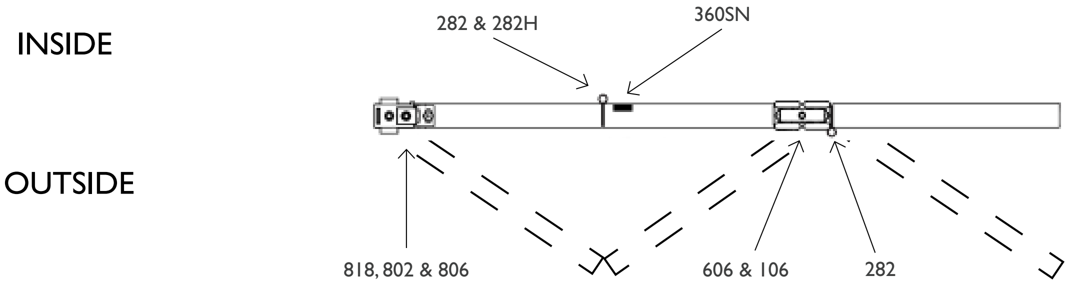


HARDWARE CONFIGURATION

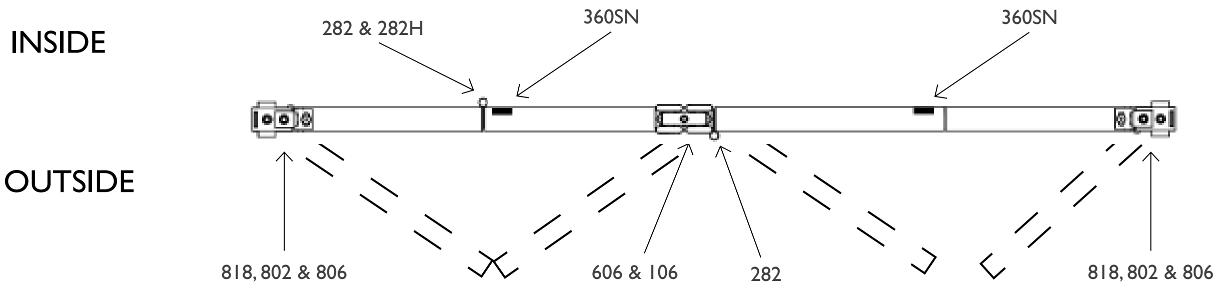
Now the frame is fixed in the opening through the **jambs** and **threshold**, use the diagrams below to determine the hardware positions for your configuration.

All the diagrams below show hardware positions for configurations opening from the right to the left. The hardware order can be reversed to change the direction of opening.

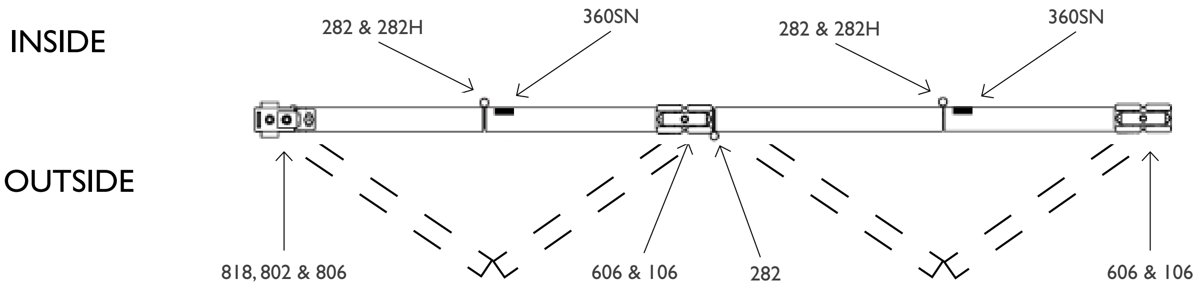
3 + 0



3 + 1



4 + 0



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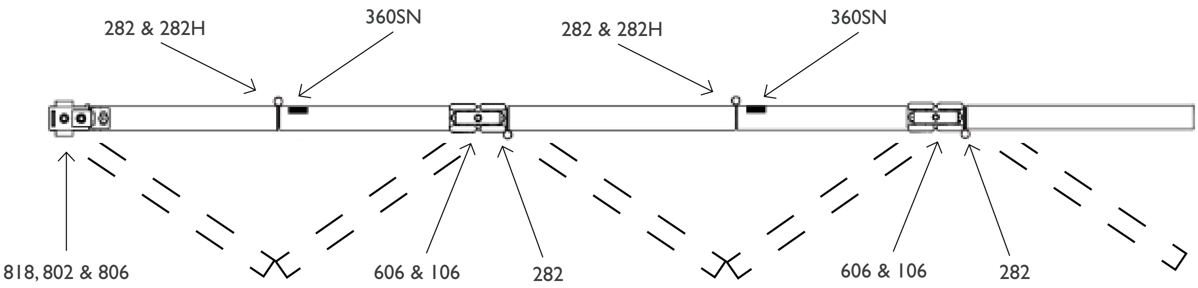
INSIDE

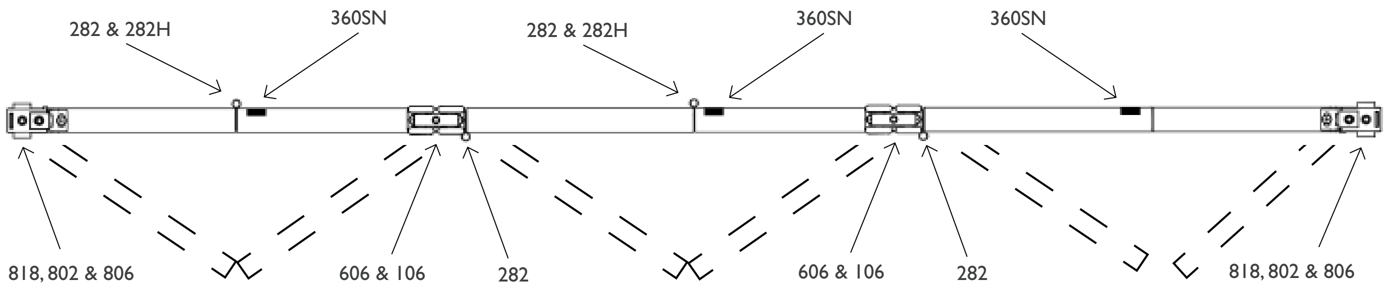
5 + 0



OUTSIDE

INSIDE

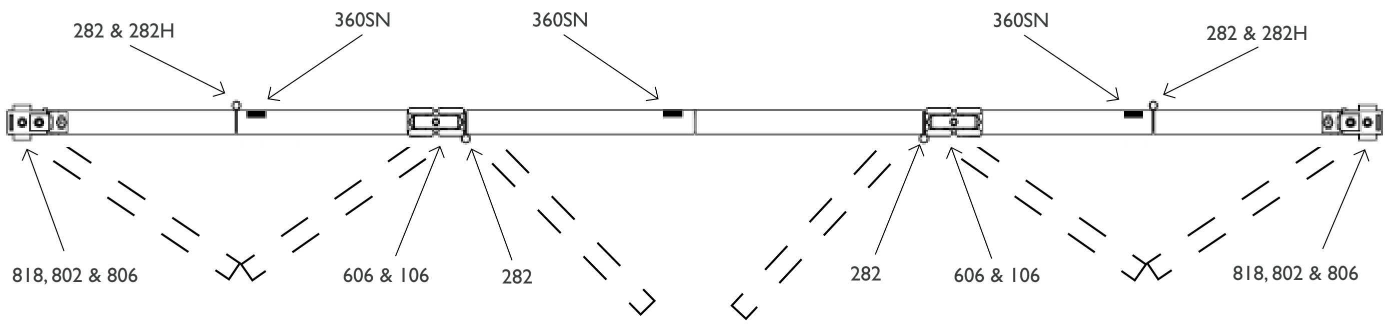
5 + 1



OUTSIDE

INSIDE

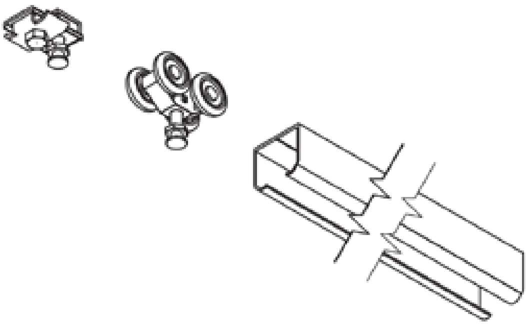
3 + 3

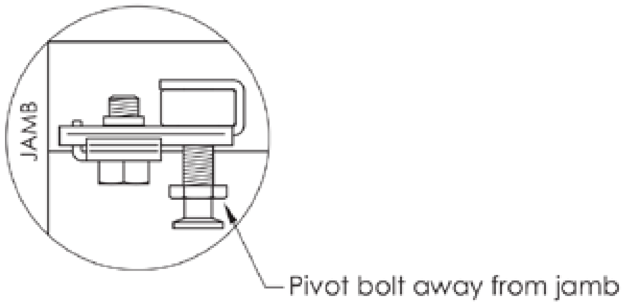


OUTSIDE

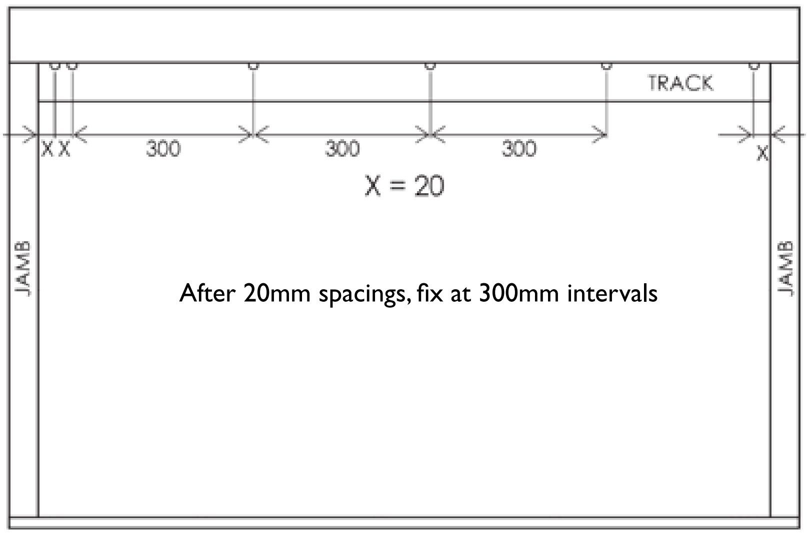
FIX THE TRACKS

Feed your top pivots and carriers into the top track in the correct order for your hardware configuration.

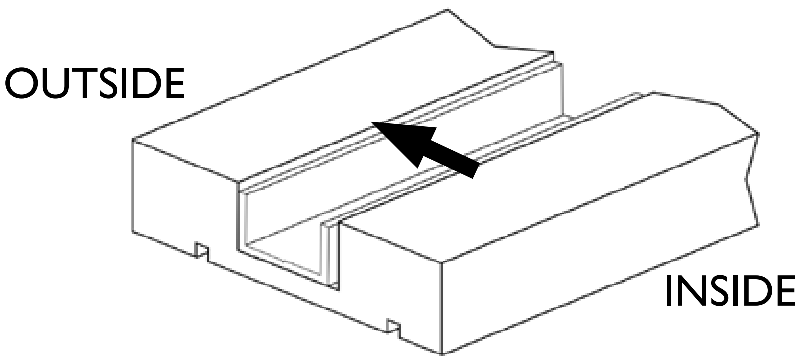




Offer the track containing the hardware up to the frame head. Pre-drill through the track and head, counter-sink the holes to prevent your fixings fouling the running gear, then fix up through the track and head into the lintel or other supporting structure using fixings suitable for your installation.

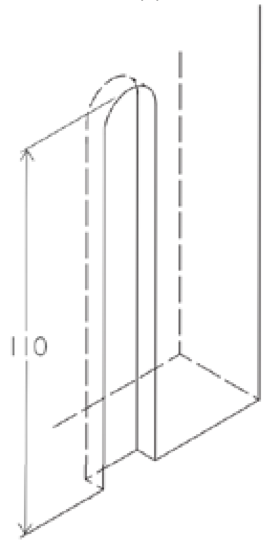


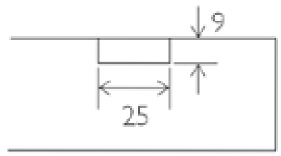
Fix the bottom track into the threshold channel, keeping it pressed up against the outside edge of the channel.
Your shootbolts will fire into the gap created on the inside edge of the track.



SHOOTBOLT POSITIONS

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

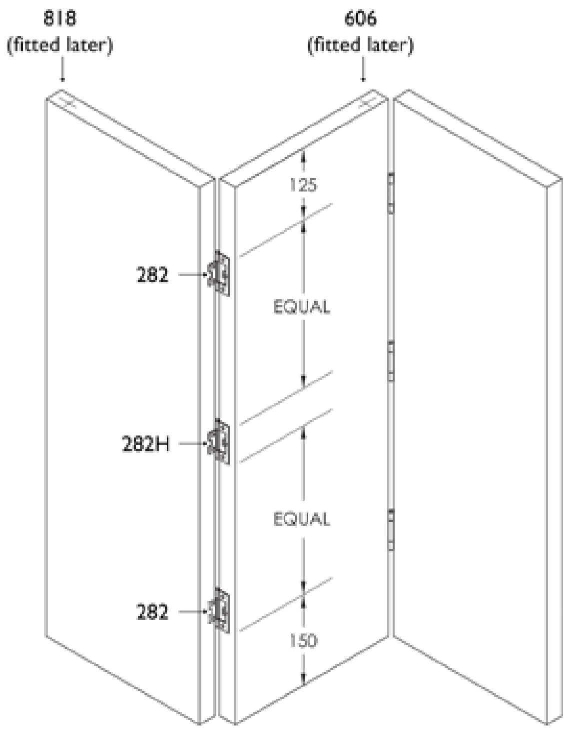




FIT THE HINGES

Using your hardware configuration plan on pg. 7, pre-drill for and fit the relevant hinges to the doors using the spacings below.

TO CHANGE SET DIRECTION, SIMPLY REVERSE HARDWARE POSITIONS.

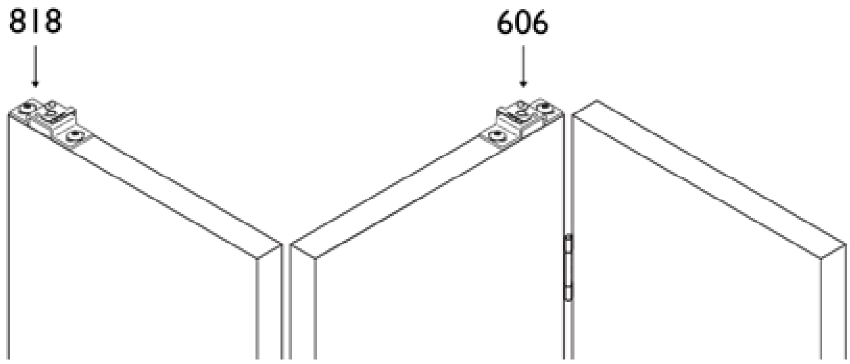


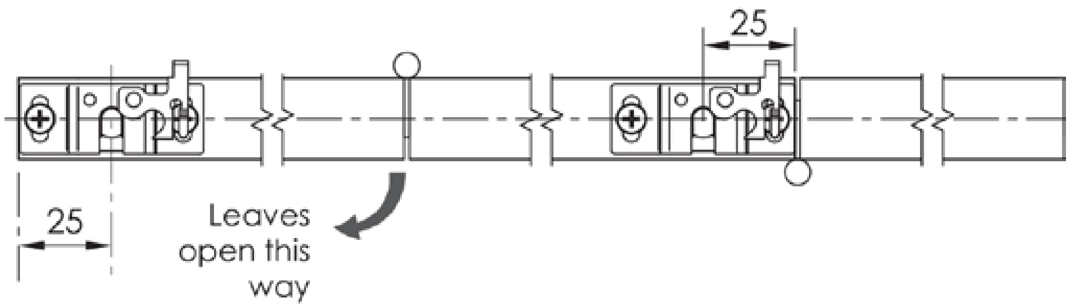
3 + 0
3L Config

FIT PIVOT & CARRIER MOUNTS

Pre-drill for the **818** and **606** mounts using a **3mm** drill bit in the positions below, then fit using the supplied fixings.

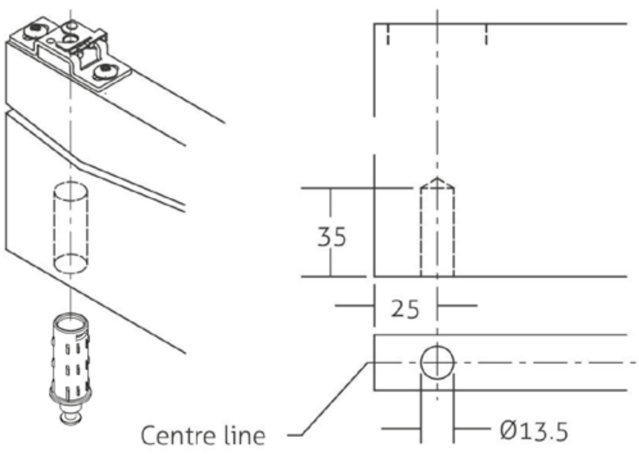
EXAMPLE BELOW SHOWS A 3+0 SET IN A 3L CONFIGURATION.





FIT BOTTOM PIVOTS

On every pivot door, pre-drill a **13.5mm** hole to a depth of **35mm** in the position shown below. Firmly insert the bottom pivot into the recess.



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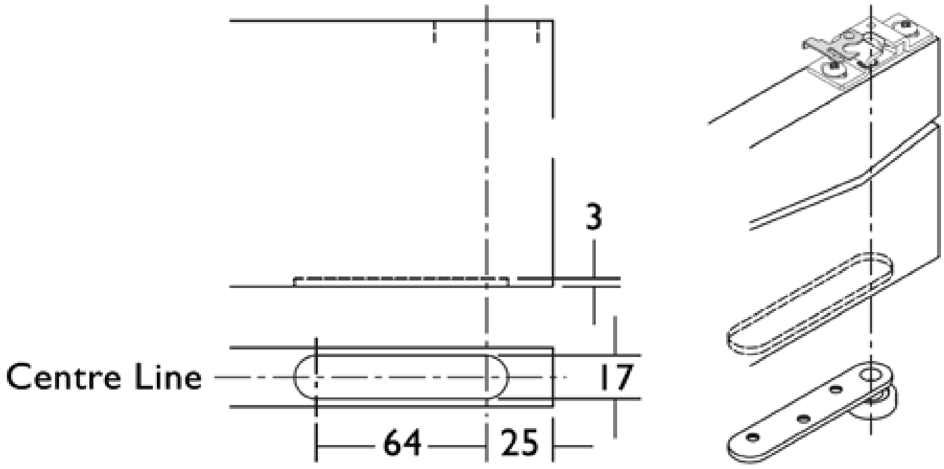
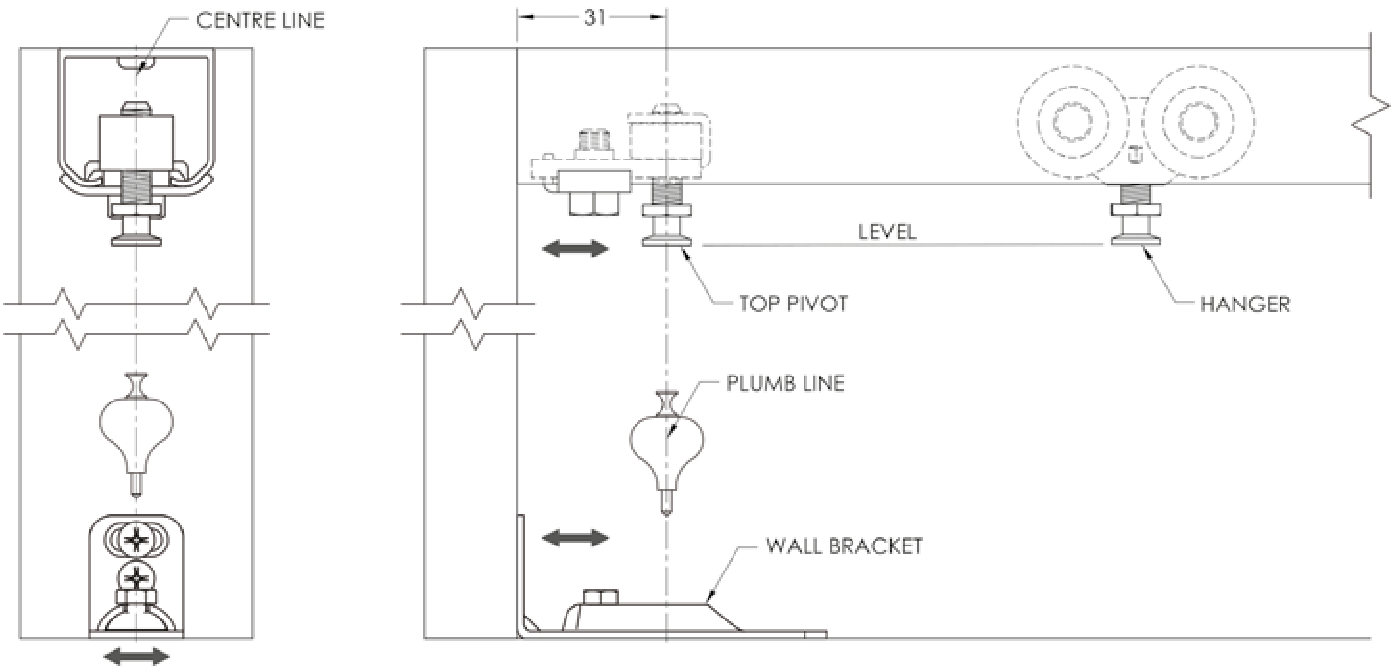
FIT BOTTOM GUIDES

On every door with a 106 bottom guide, use the 17mm router to fit each bottom guide in the position shown below.



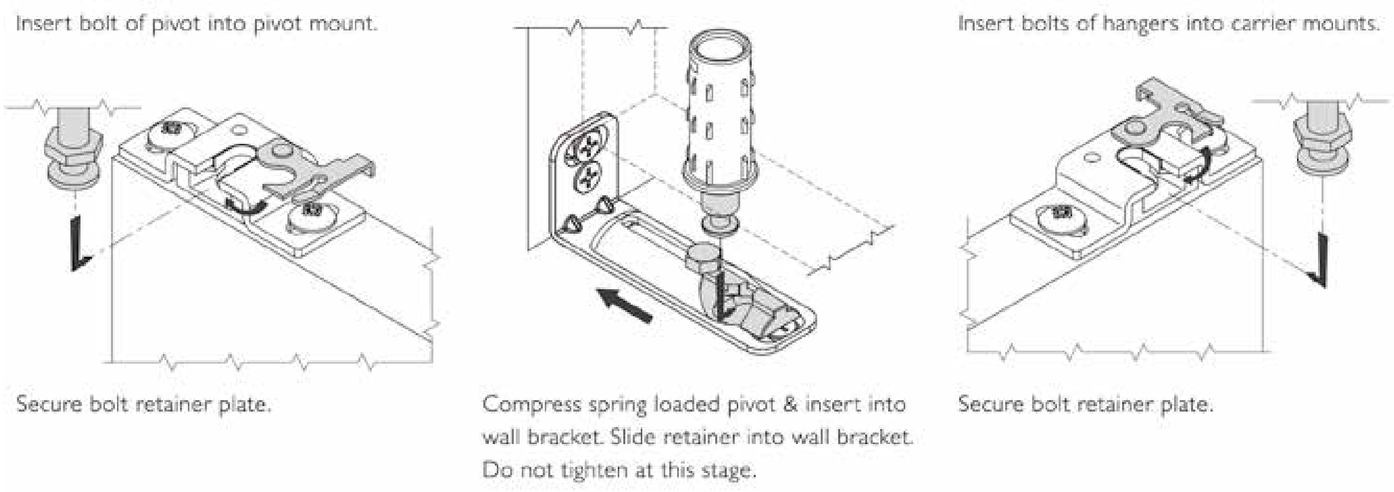
FIX PIVOT & WALL BRACKET

- Fix the top pivot into the position shown below.
- Fix the wall bracket inside the bottom track using the screws provided, ensuring the centre of the wall bracket is plumb below the centre line of the top track.

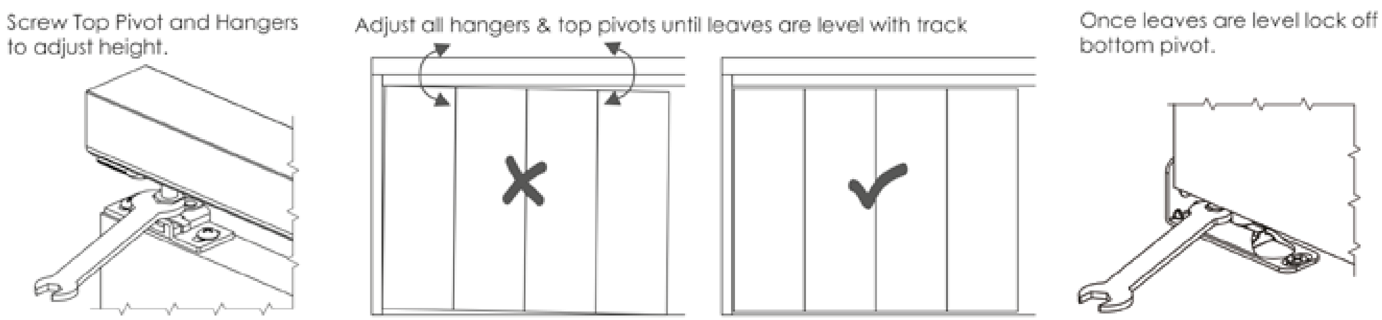


HANG DOOR LEAVES

Ensure the clips on the top pivot and carrier mounts are open, and the inner retainer of the wall bracket is loosened and slid open.

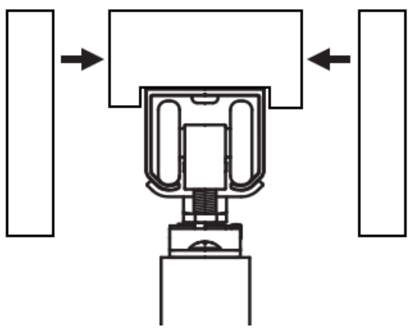


ADJUST DOOR LEAVES



FIX HEAD FASCIAS

Once your doors are adjusted correctly, use your instant grab adhesive to fix the cover fascias to the head section of the frame.



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 fixing bolts for tightness every six months, including those securing brackets. Tighten if necessary.
Routinely check for wear and if excessively worn, the part should be replaced.

Track

Keep track free from obstruction and excessive dirt or water. Visible surfaces should be cleaned using a damp cloth and mild detergent, then wiped dry.

Hangers & Pivots

All hangers are fitted with lubricated ball-bearings or plain bearings, requiring no greasing. If doors 'settle' and door clearance is reduced causing friction, raise the door by the hanger adjustment nuts.
Wash as per the above recommendation and apply a light application of corrosion preventative to all surfaces, using a dry cloth to remove excess.

Guides

Guide roller and guide channel must be kept clear and free of obstructions.
Wash as per the above recommendation and apply a light application of corrosion preventative to all surfaces, using a dry cloth to remove excess.

Rollers

All bottom rails should be free from obstruction and excessive dirt or water. Visible surfaces should be cleaned using a damp cloth and mild detergent, then wiped dry. All rollers are fitted with sealed precision bearings requiring no maintenance.

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.