

# ASPIRE

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

## AFFINITY INTERNAL BI-FOLDS

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### 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 timber components are painted, stained or varnished 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

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## You will need:

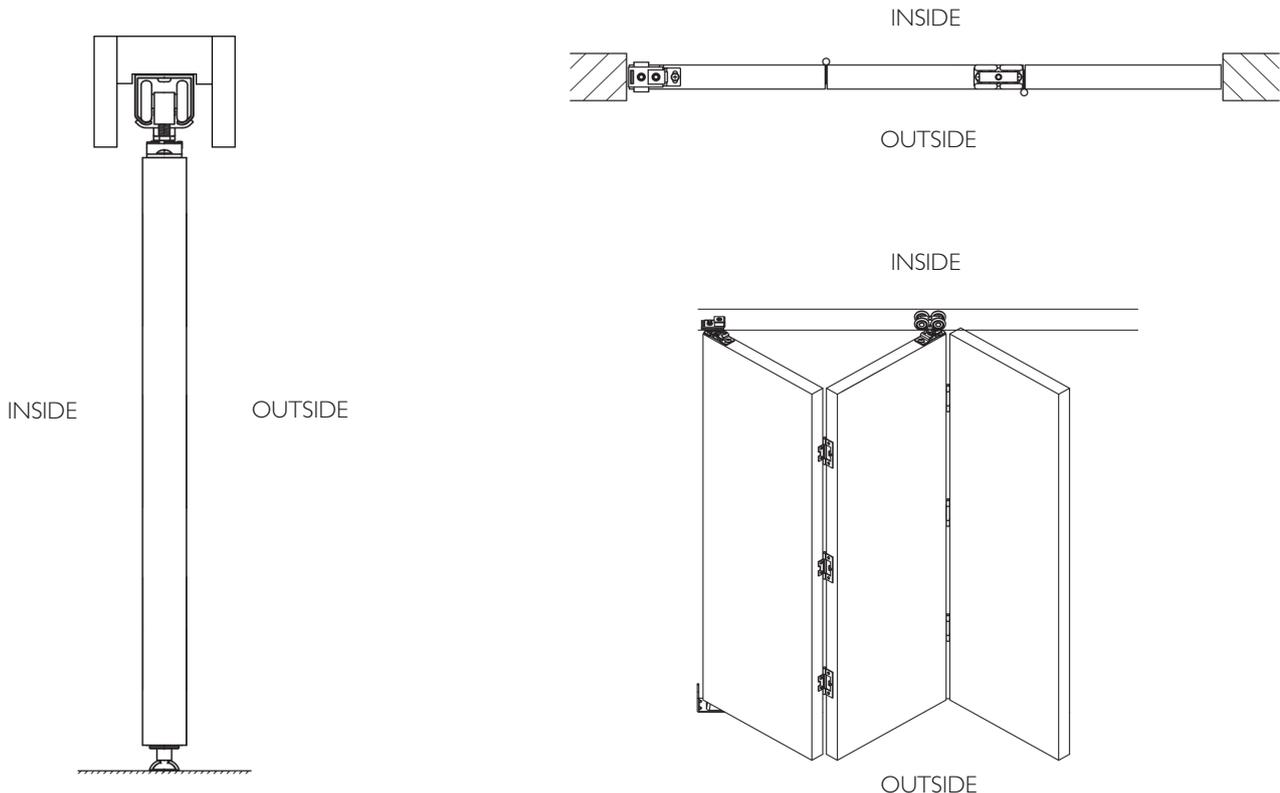
- Instant grab adhesive
- Fixings suitable for your surrounding structure
- 4 x No.10 x 75mm wood screws
- 25mm router bit and router
- Plastic packers
- Power drill and driver
- 3mm, 5mm and 13.5mm drill bits, plus bits suitable for your chosen fixings
- Pozidrive screw driver bit
- Multi-purpose saw

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

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### EXAMPLE 3+0 SET



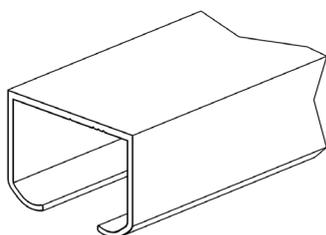
# FRAME & TRACK COMPONENTS

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

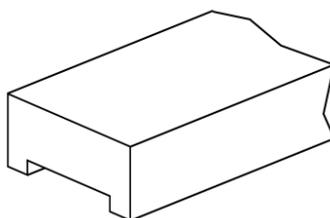
Depending on the product you order, these may need to be trimmed to the correct size for your set as part of the assembly and installation process.

COMPONENT	QTY	SIZE
TRACK	1	1843/2800 x 40 x 30mm
HEAD	1	1905/2820 x 49 x 25mm
HEAD FASCIA	2	1905/2820 x 62 x 12mm
JAMB	2	2048 x 74 x 30mm
DOOR STOP	1	2003 x 18 x 12mm

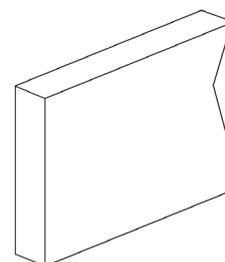
TOP TRACK



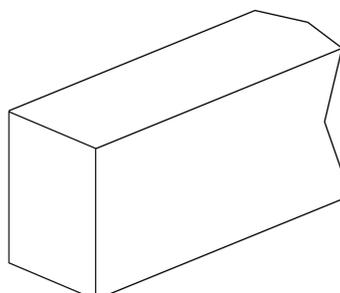
HEAD



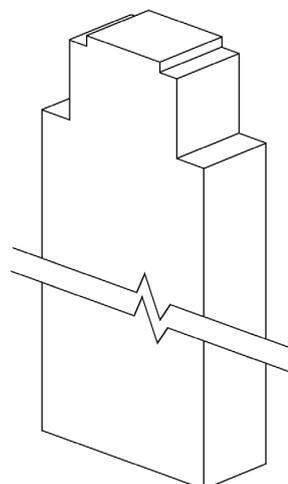
HEAD FASCIA



DOOR STOP

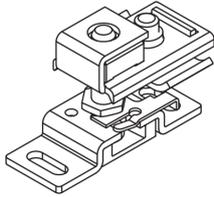


JAMB



# HARDWARE COMPONENTS

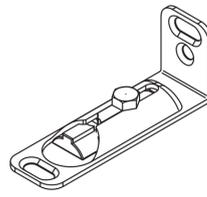
Use the tables below to identify the components for your opening configuration in the hardware box supplied with your set.



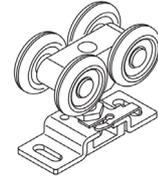
**818**  
TOP PIVOT



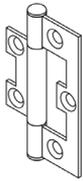
**802**  
BOTTOM PLUG



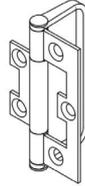
**806**  
BOTTOM  
BRACKET



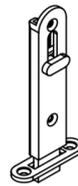
**607**  
TOP CARRIER



**282**  
HINGE



**282H**  
HANDLE HINGE



**360SN**  
FLUSH BOLT



**805-SPN**  
SPANNER

<b>2+0</b>	
PART	QTY
818	1
802	1
806	1
607	1
282	2
282H	1
360SN	1
805-SPN	1

<b>3+0</b>	
PART	QTY
818	1
802	1
806	1
607	1
282	5
282H	1
360SN	1
805-SPN	1

<b>3+1</b>	
PART	QTY
818	2
802	2
806	2
607	1
282	5
282H	1
360SN	2
805-SPN	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** and **head fascias** to the designated frame width. Cut your **track** to 64mm narrower than your designated frame width.

2 DOOR PANELS				
PANEL SIZE	AP. WIDTH	AP. HEIGHT	FRAME WIDTH	FRAME HEIGHT
533mm (21")	1150mm	2074mm	1140mm	2068mm
573mm (22.5")	1230mm	2074mm	1220mm	2068mm
610mm (24")	1304mm	2074mm	1294mm	2068mm
686mm (27")	1456mm	2074mm	1446mm	2068mm

3 DOOR PANELS				
PANEL SIZE	AP. WIDTH	AP. HEIGHT	FRAME WIDTH	FRAME HEIGHT
533mm (21")	1684mm	2074mm	1674mm	2068mm
573mm (22.5")	1804mm	2074mm	1794mm	2068mm
610mm (24")	1915mm	2074mm	1905mm	2068mm
686mm (27")	2143mm	2074mm	2133mm	2068mm

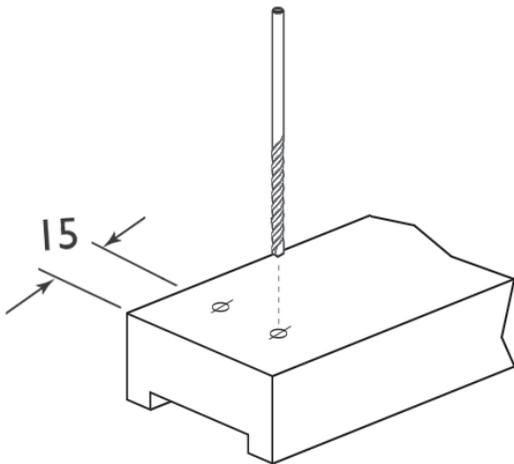
4 DOOR PANELS				
PANEL SIZE	AP. WIDTH	AP. HEIGHT	FRAME WIDTH	FRAME HEIGHT
533mm (21")	2219mm	2074mm	2209mm	2068mm
573mm (22.5")	2380mm	2074mm	2370mm	2068mm
610mm (24")	2526mm	2074mm	2516mm	2068mm
686mm (27")	2830mm	2074mm	2820mm	2068mm

# ASSEMBLE THE FRAME

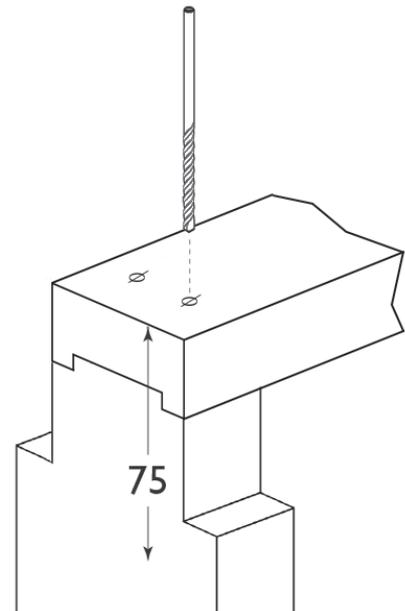
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- Using a **5mm drill bit**, drill all the way through the frame head at both ends in the two positions shown in diagram **A**.
- Using a **3mm drill bit**, drill through the pre-drilled holes into the top of the jambs to around **75mm** from the top 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)**

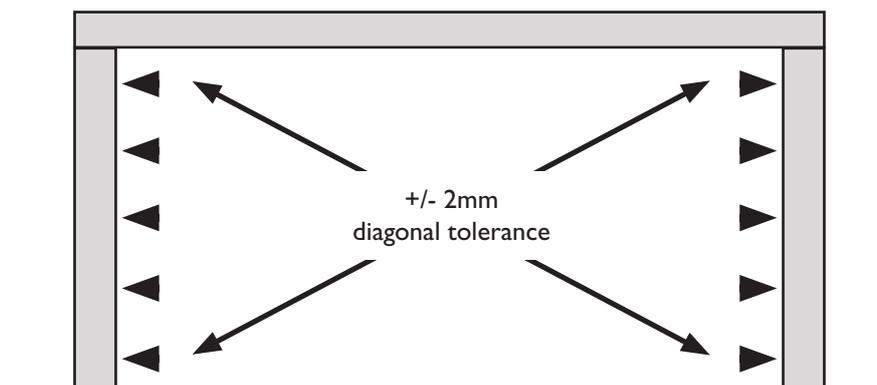


# FIT THE FRAME

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**Please take note that the frame has no “front” or “back”, and so can be fitted in the opening either way. The way the frame is installed does not affect the opening direction.**

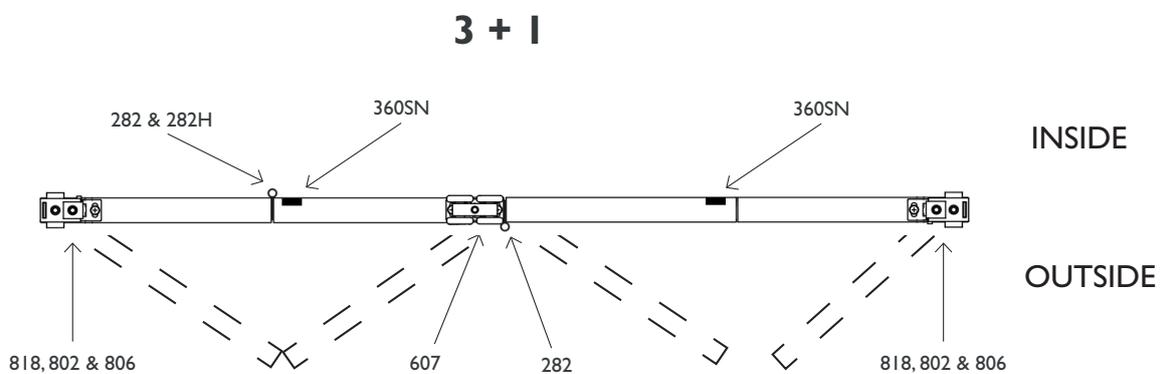
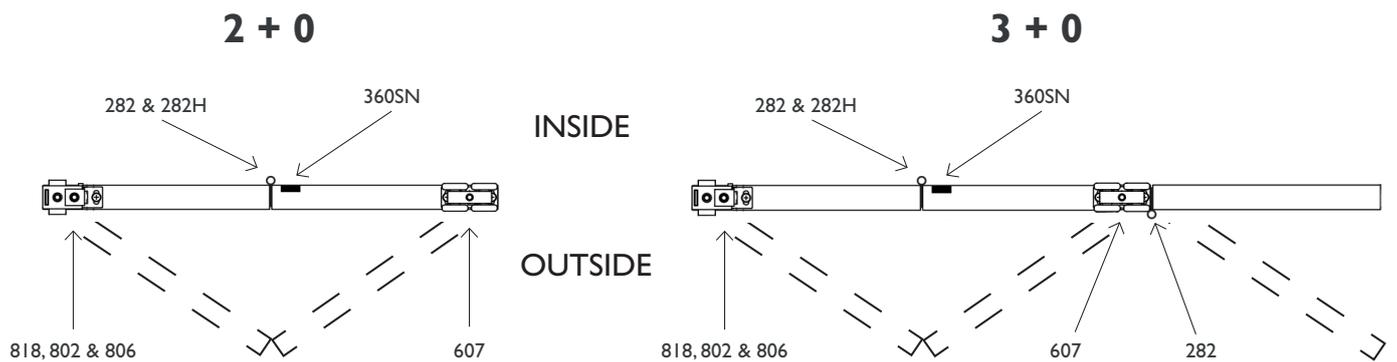
Offer the frame up to your opening and pre-drill through the **jamb**s at 450mm centres. Fix through the pre-drilled holes into the surrounding walls. **Pack out as necessary to ensure jamb**s are vertically level.



# HARDWARE CONFIGURATION

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

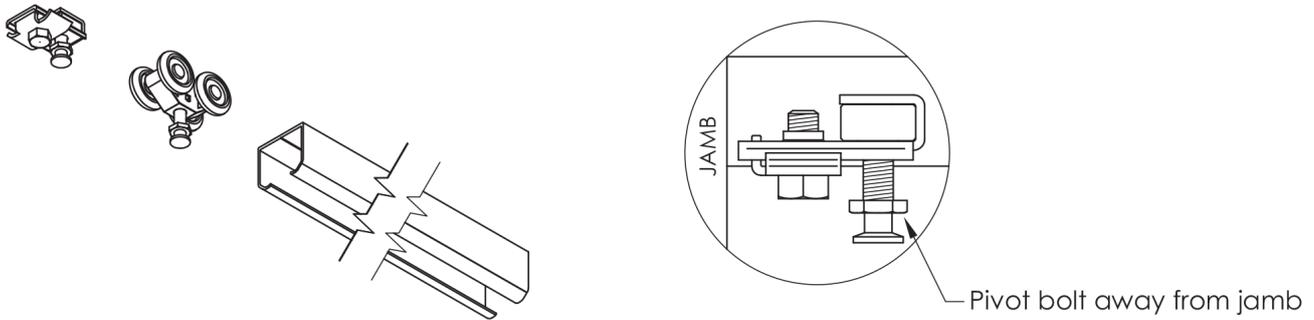
**All the diagrams below show hardware positions for configurations opening from the right to the left. The hardware order can be reversed to change the direction of opening.**



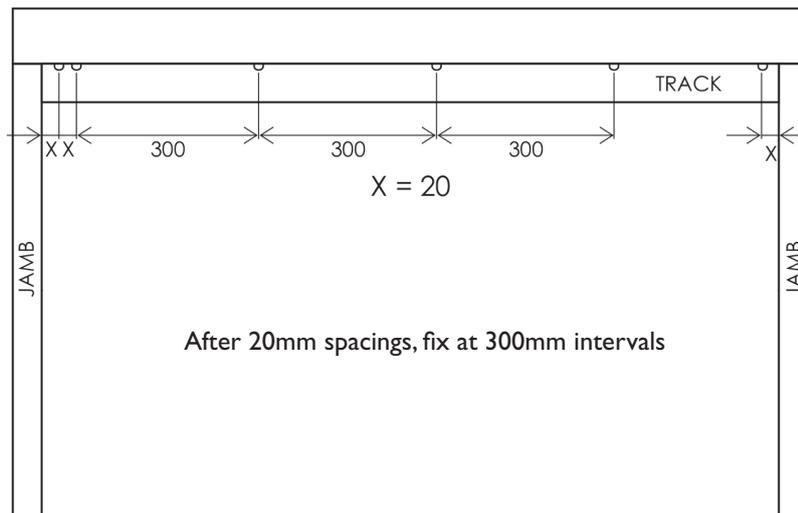
# FIX THE TOP TRACK

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

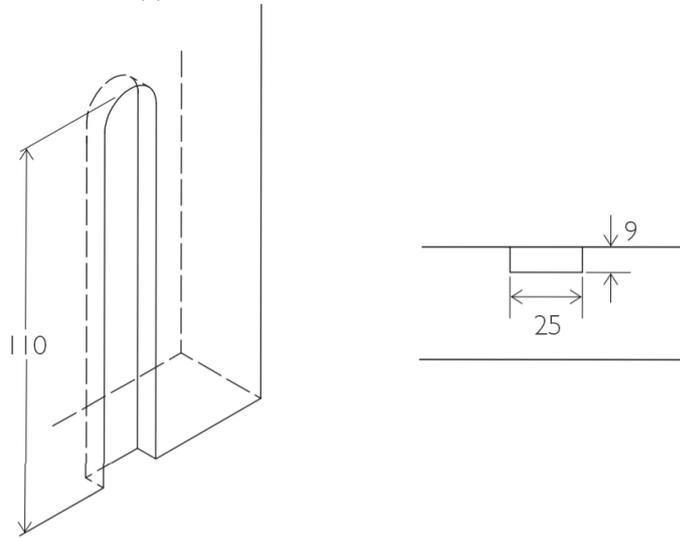


Offer the track containing the hardware up to the frame head. Pre-drill through the track and head, then fix up through the track and head into the lintel or other supporting structure.



# SHOOTBOLT POSITIONS

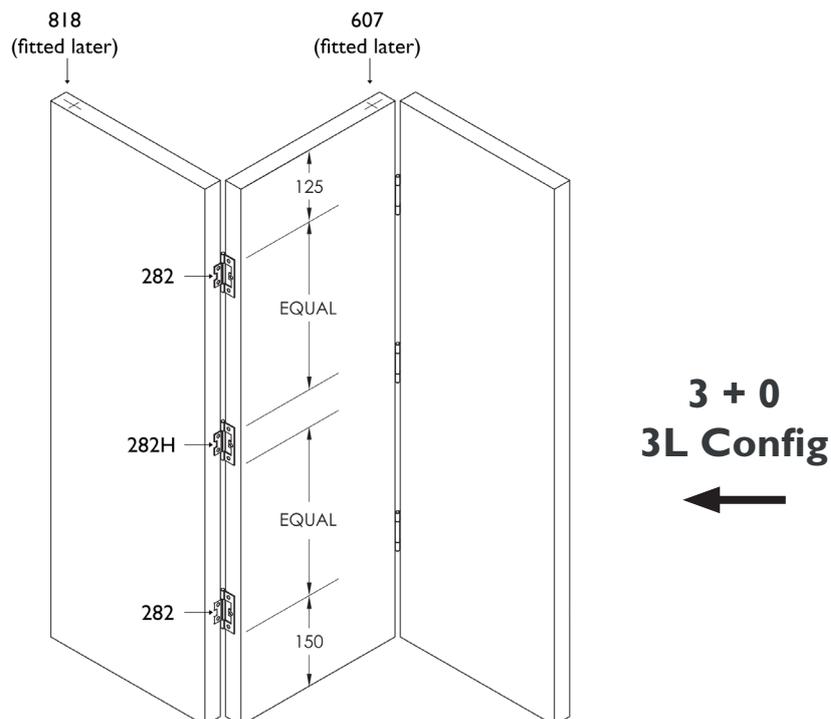
Using a 25mm router bit, rout out in the necessary positions highlighted in your hardware configuration plan and fit the 360SN shootbolt(s).



# 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.

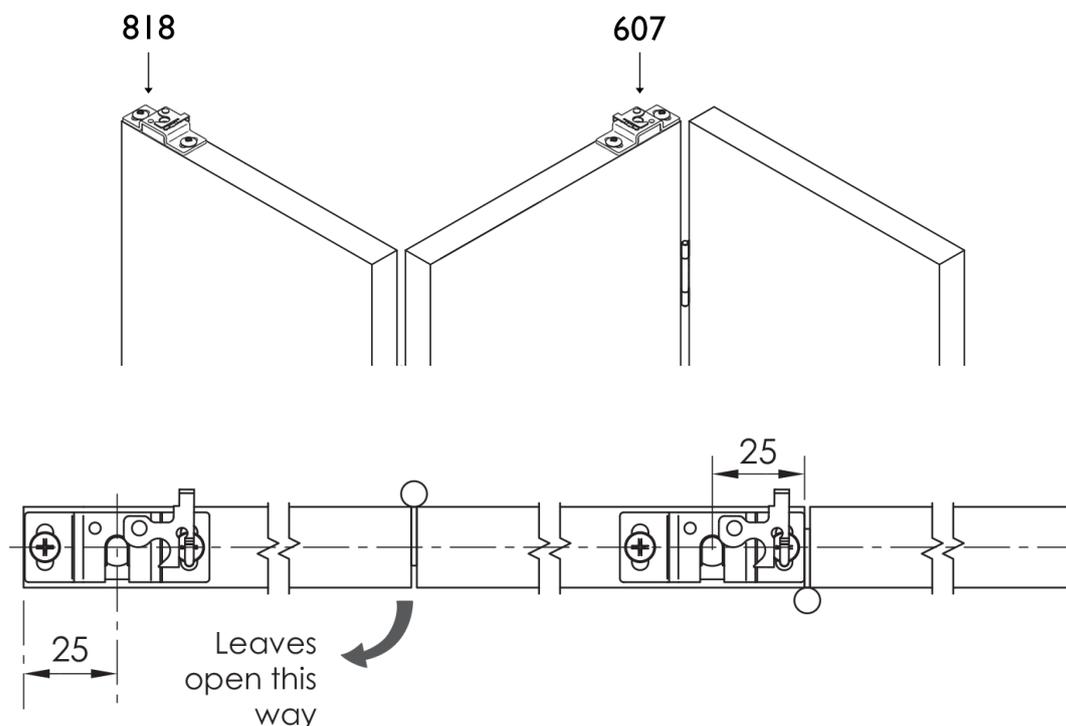
**TO CHANGE SET DIRECTION, SIMPLY REVERSE HARDWARE POSITIONS.**



# FIT PIVOT & CARRIER MOUNTS

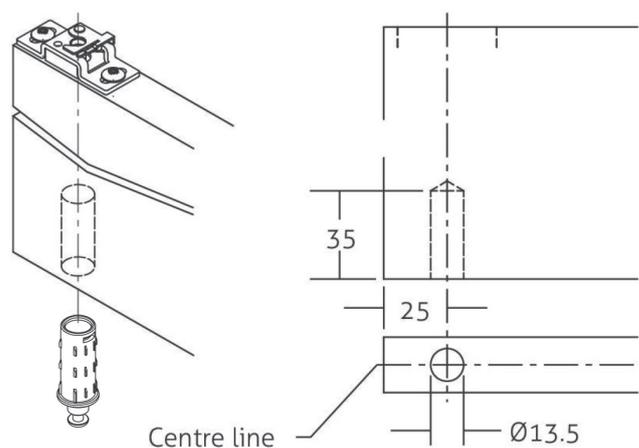
Pre-drill for the **818** and **607** mounts using a **3mm** drill bit in the positions below, then fit using the supplied fixings.

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



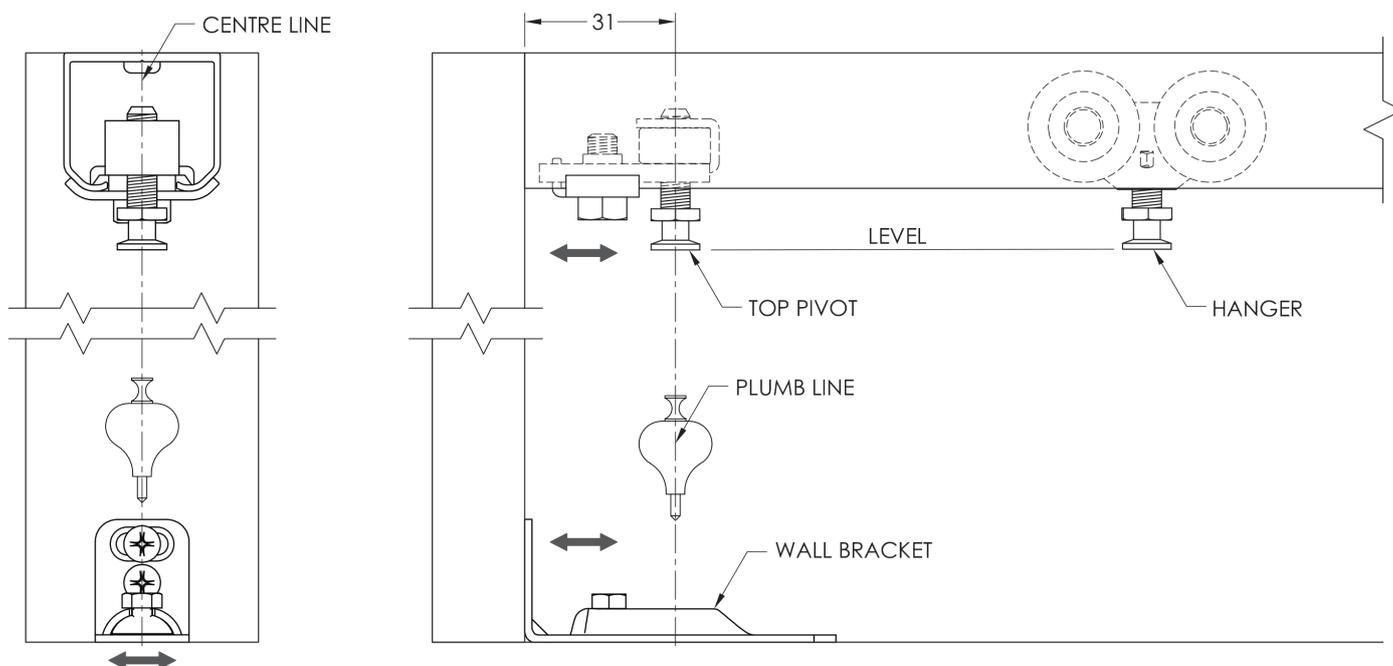
# FIT BOTTOM PIVOT

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.



# FIX PIVOT & WALL BRACKET

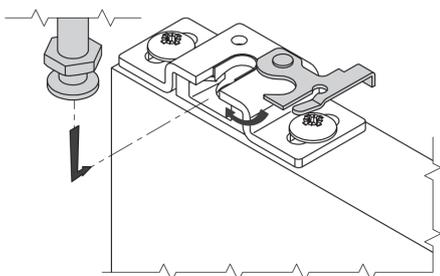
- Fix the top pivot into the position shown below.
- Fix the wall bracket using the screws provided, ensuring the centre of the wall bracket is plumb below the centre line of the top track.



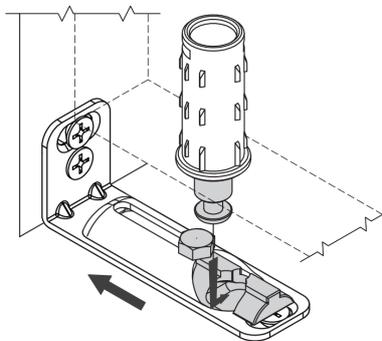
# HANG DOOR LEAVES

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.

Insert bolt of pivot into pivot mount.

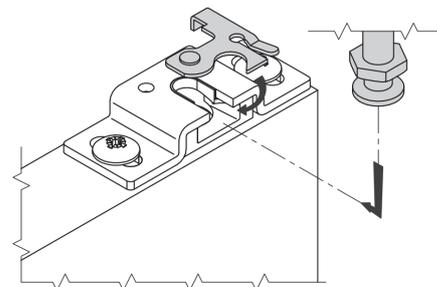


Secure bolt retainer plate.



Compress spring loaded pivot & insert into wall bracket. Slide retainer into wall bracket. Do not tighten at this stage.

Insert bolts of hangers into carrier mounts.

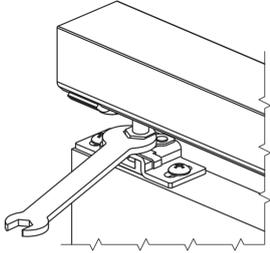


Secure bolt retainer plate.

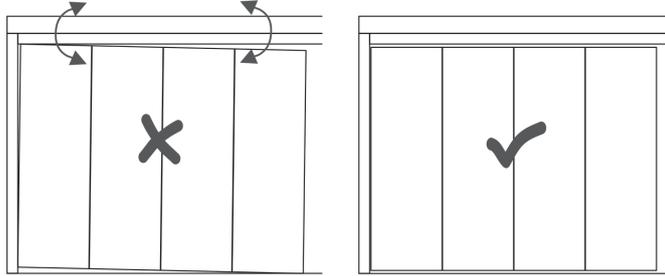
# ADJUST DOOR LEAVES

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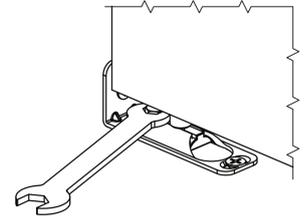
Screw Top Pivot and Hangers to adjust height.



Adjust all hangers & top pivots until leaves are level with track



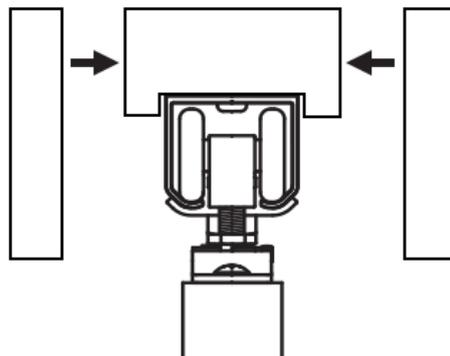
Once leaves are level lock off bottom pivot.



# FIX HEAD FASCIAS

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Using your instant grab adhesive, fix the cover fascias to the head section of the frame.



# CARE & MAINTENANCE

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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.