


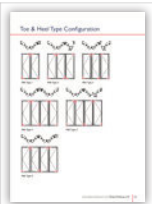







WINDOW
WAREHOUSE

Pioneering Service, Quality & Security

Aluminium Bi-fold Door

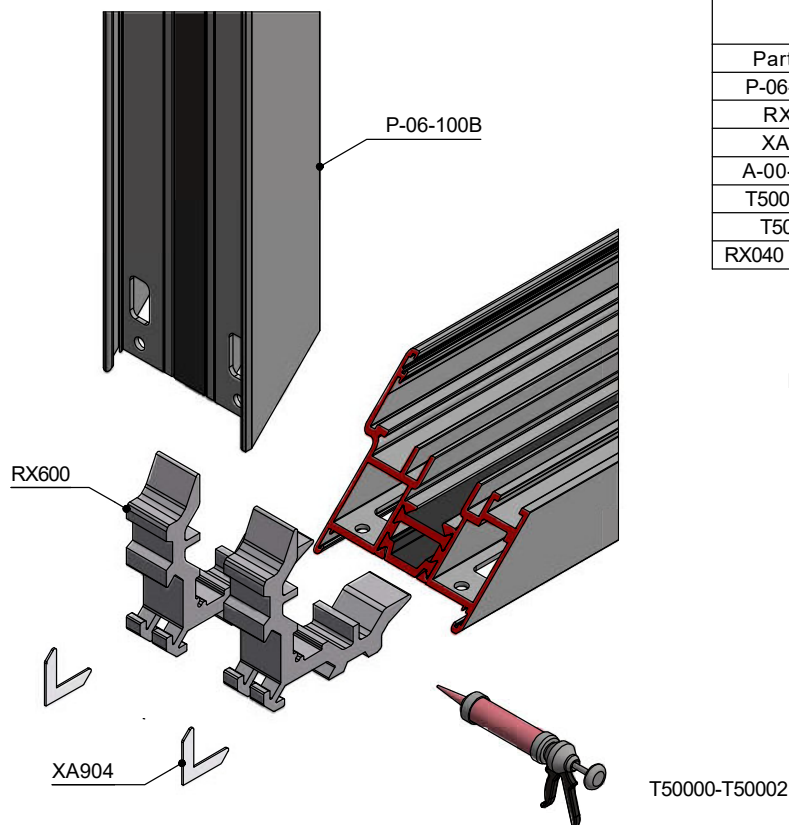
Installation, Glazing, Operation and Maintenance Guide

Index

Assembling Doors	3-7		Toe and Heeling Configurations	13-16	
Installation Guide	8-9		Panel Retention	17	
Panel Assembly	10		Operation Guide	18-19	
Cill Joiner Instructions	11		Maintenance Guide	20-21	
Glazing	12				

Assembling Doors

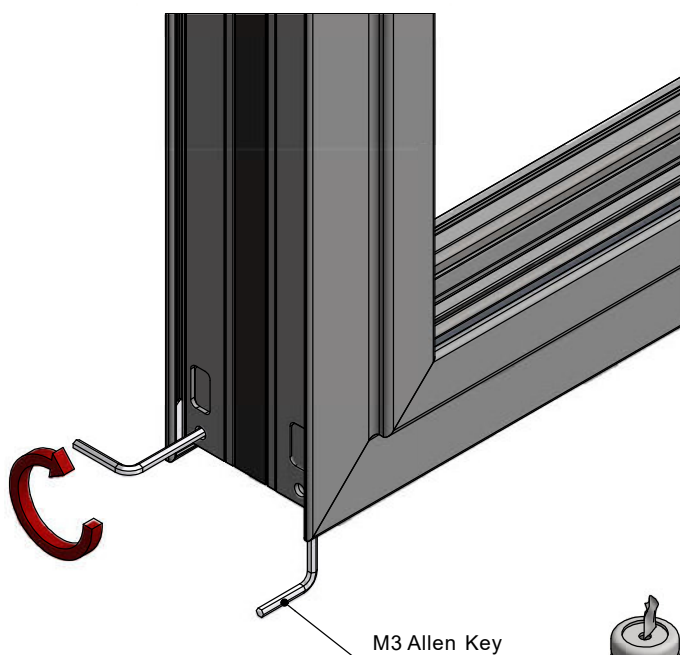
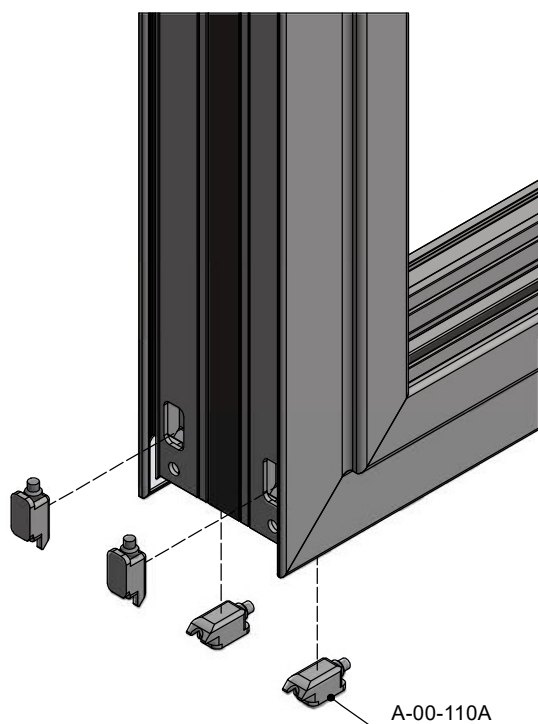
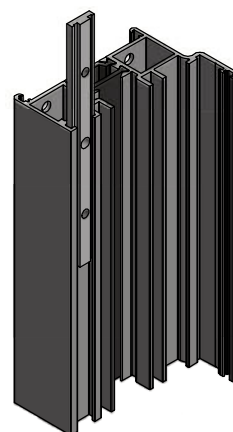
Frame Assembly



Frame Assembly Parts List(Per Corner)		
Part No.	Description	Qty
P-06-100B	Outer frame	2
RX600	18.9mm Mechanical cleat	2
XA904	Narrow chevron	2
A-00-110A	Mechanical cleat tensioning block	4
T50000 - 2	Small joint sealant	-
T50003	Aluk sealant wipes	-
RX040 - RX041	Hinge back plate	-

NB: Remember to seal each corner joint before final fix.

Insert RX040/RX041 hinge backing plates into frame profile before joining corners

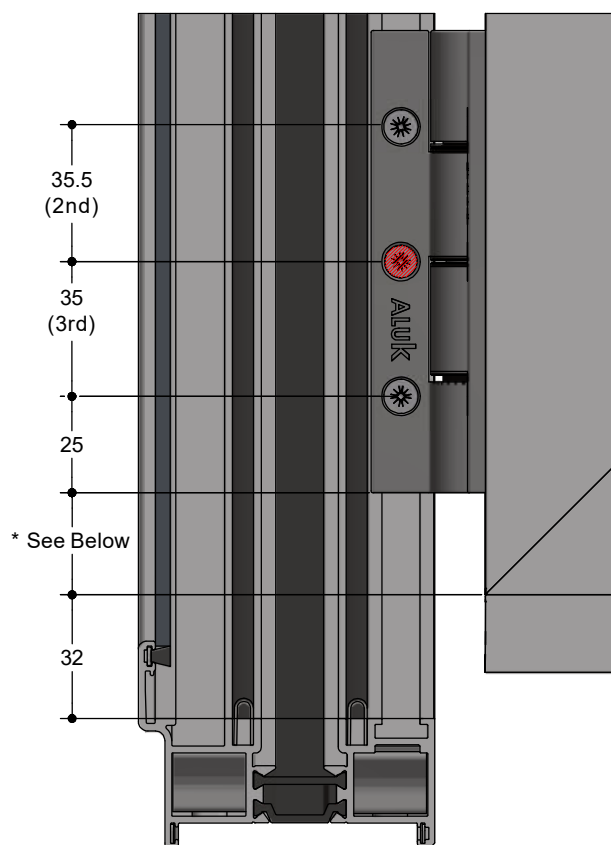


NB: Remove excess sealant with Aluk sealant wipes (T50003).



Assembling Doors

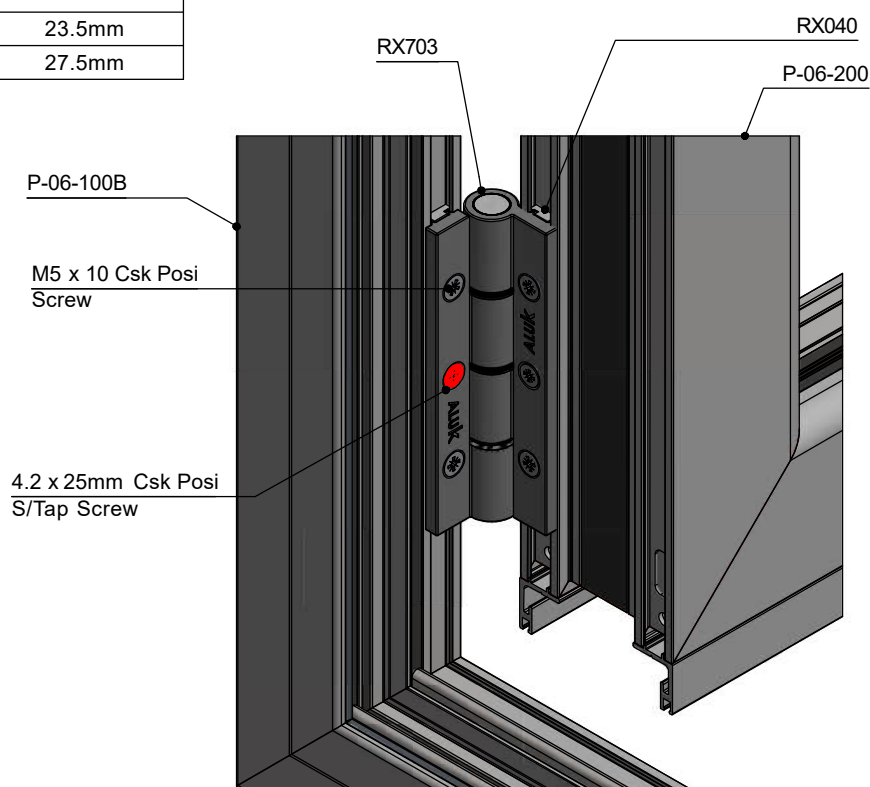
Bottom Hinge to Frame Assembly



Parts List		
Part No.	Description	Qty
P-06-100B	Outerframe	1
P-06-200	Softline Leaf	1
RX703	Hinge	1
RX040	Hinge Backing Plate	2
-	M5 x 10 Csk Posi Screw	4
-	Ø4.2x25mm SelfTapping Csk Screw	2

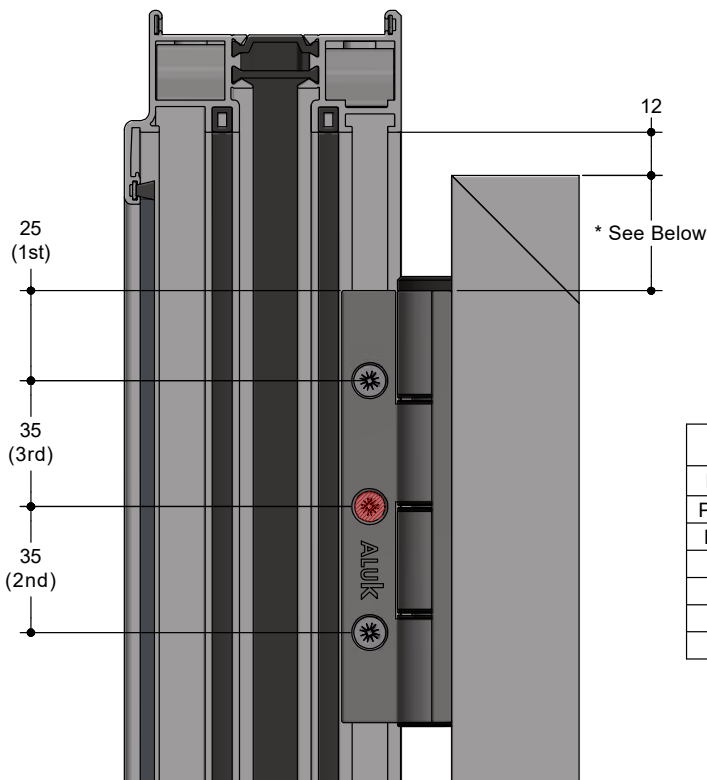
Final fixing position

* Dimension	
Hinge Standard Arrangement	23.5mm
Heavy Duty Arrangement	27.5mm



Assembling Doors

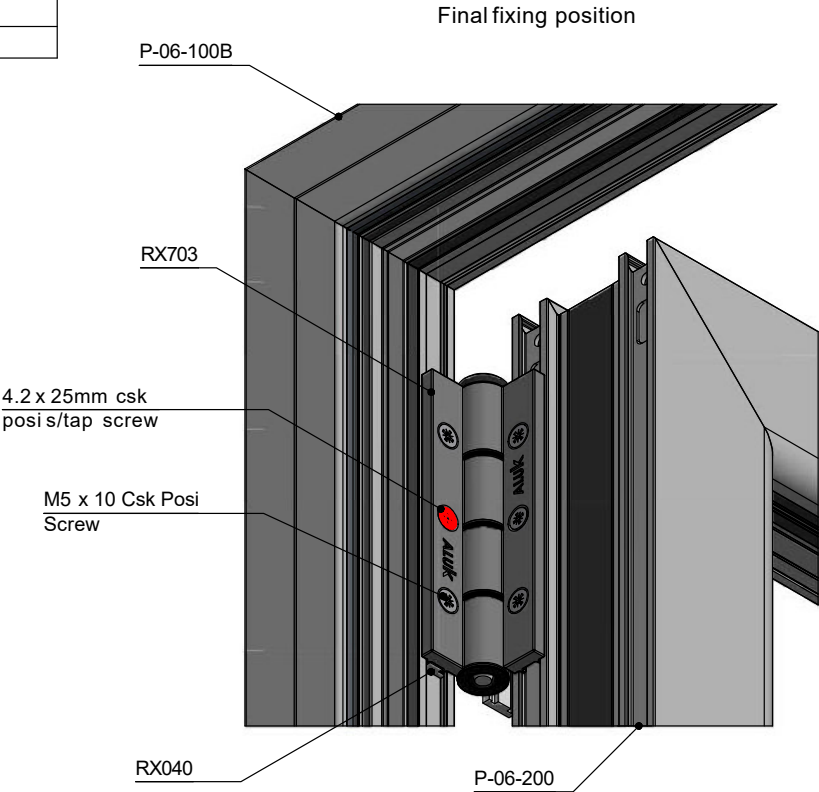
Top Hinge to Frame Assembly



Parts List		
Part No.	Description	Qty
P-06-100B	Outerframe	1
P-06-200	Softline Leaf	1
RX703	FSDHinge	1
RX040	Hinge Backing Plate	2
-	M5 x 10 Csk Posi Screw	4
-	Ø4.2x25mm Self Tapping Csk Screw	2

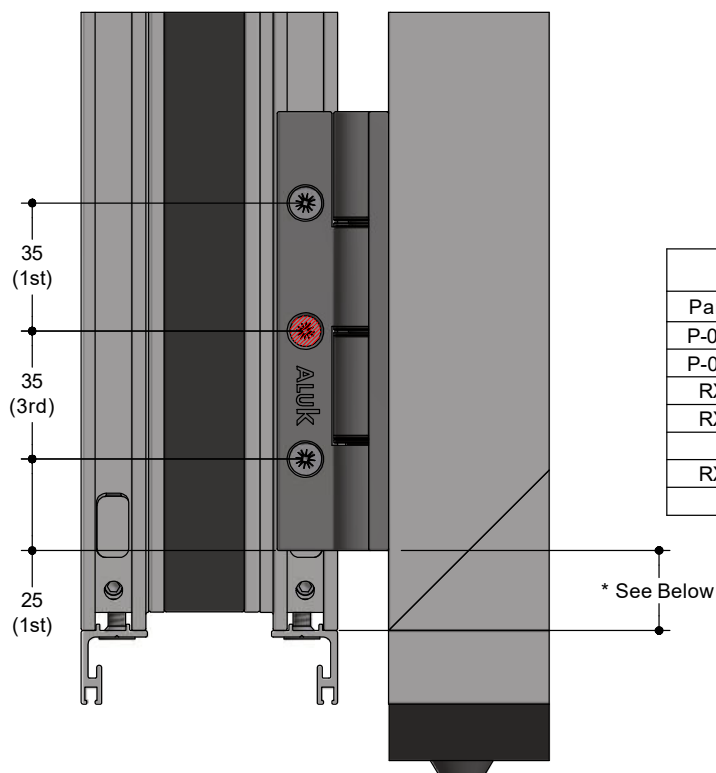
Use BSD635hinge jig for position

* Dimension	
Hinge Standard Arrangement	31mm
Heavy Duty Arrangement	31mm



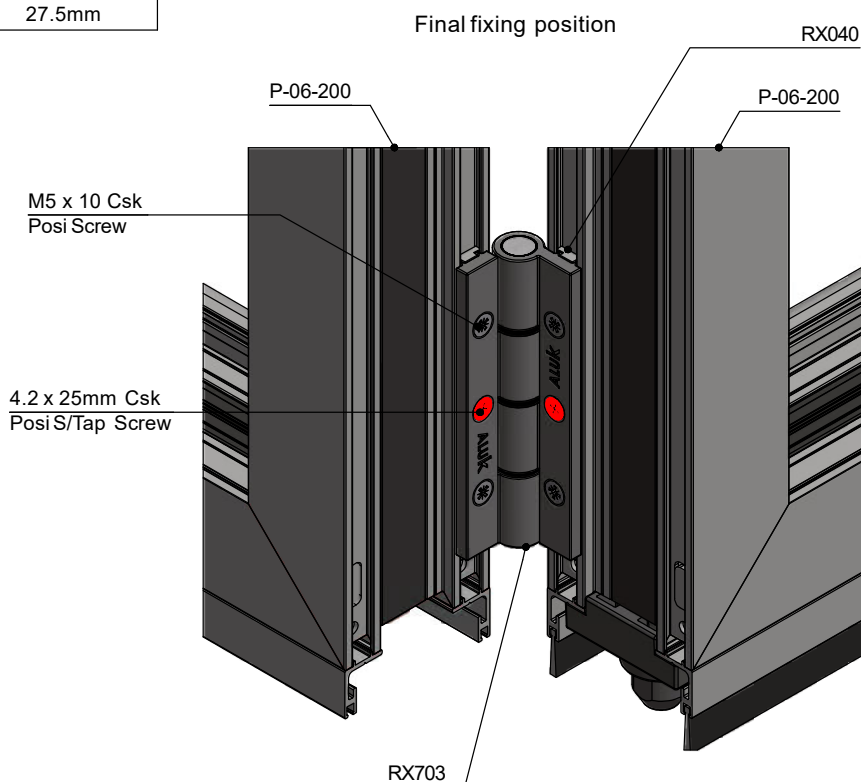
Assembling Doors

Bottom Hinge Interlock



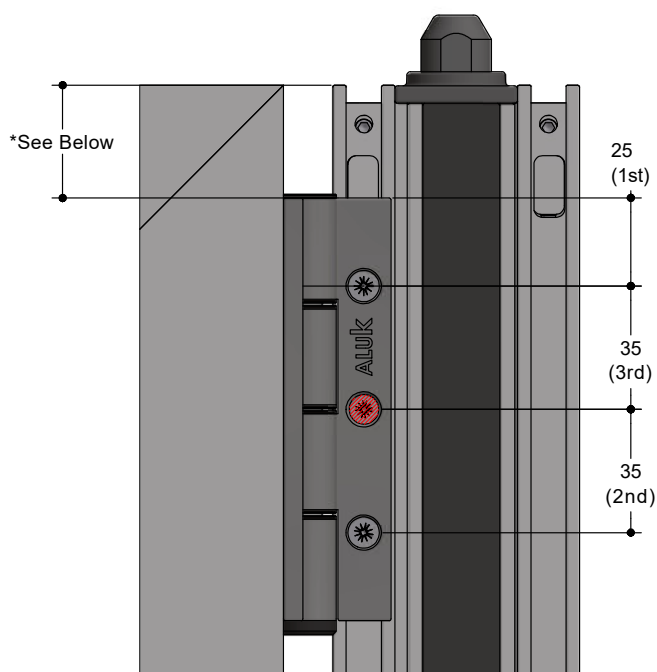
Parts List		
Part No.	Description	Qty
P-06-200	Softline Leaf	1
P-00-211	ThresholdAdaptor	1
RX714	Shootbolt Guide	1
RX703	FSDHinge	2
-	M5 x 10 Csk Posi Screw	4
RX040	Hinge Backing Plate	2
-	4.2 x 25mm Csk Posi S/Tap Screw	2

* Dimension	
Hinge Standard Arrangement	23.5mm
Heavy Duty Arrangement	27.5mm



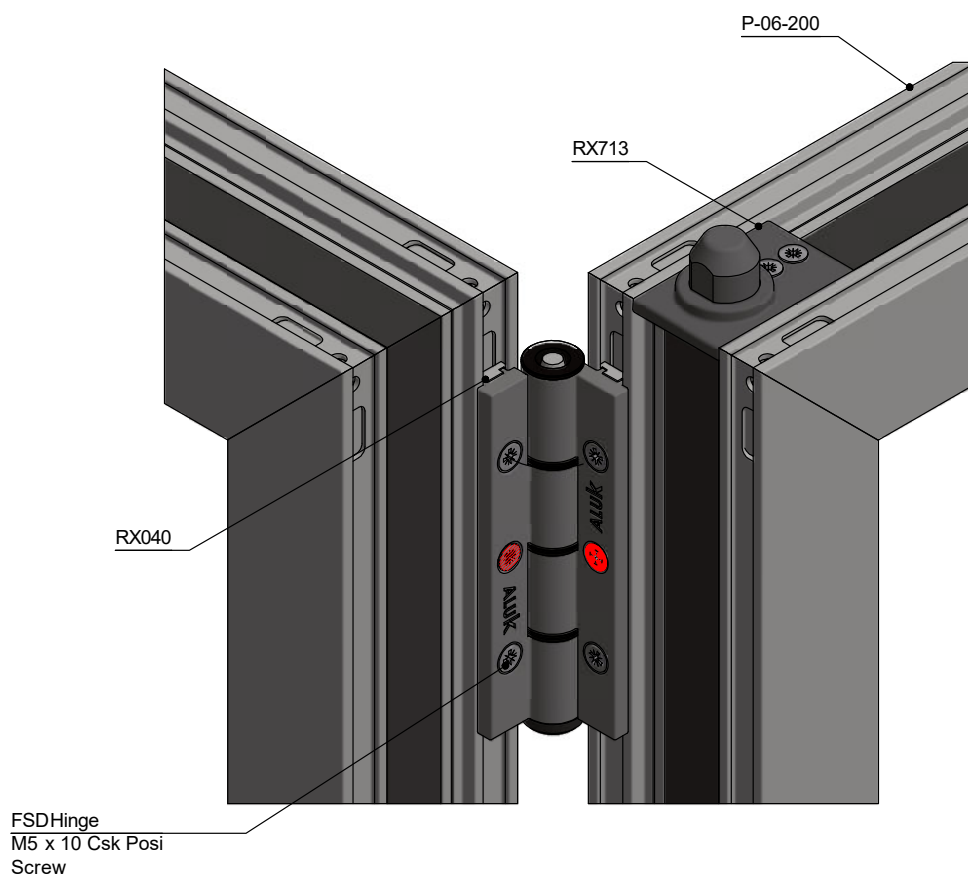
Assembling Doors

Top Hinge Interlock Assembly



* Dimension	
Hinge Standard Arrangement	31mm
Heavy Duty Arrangement	31mm

Parts List		
Part No.	Description	Qty
P-06-200	Softline Leaf	1
RX713	Shootbolt Guide	1
RX703	FSDHinge	1
-	M5 x 10 Csk PosiScrew	4
RX040	Hinge Backing Plate	2
-	4.2 x 25mm Csk PosiS/Tap Screw	2



Installation Guide

Fitting Frame To Aperture

It is vitally important that the cill is laid flat and level to achieve the optimum performance. Jamb must be vertical in both planes, and no twist or other distortion allowed. Prior to installing the frame, the opening should be checked to ensure that it is free of debris, and that any projecting brickwork has been trimmed back.

Any damaged damp proof membranes should be replaced or additional membranes incorporated. When the opening was originally measured a suitable gap should have been allowed around the perimeter of the frame, this will allow the frame work to be packed to ensure that it is plumb and square within the opening. Ideally the frame should be bedded on mortar. The frame can then be positioned in the opening and held square by packing at the very corners, taking care not to damage or deform the profile.

Tip

To check for squareness, measure the diagonals from corner to corner, these diagonal dimensions should not differ by more than 1 to 2mm, if so adjusted the packing until the frame is square within the opening.

The lay of the frame in to out can be checked by using a spirit level on the jambs. On replacement applications, the correct position of the frame might not be aligned with the originals. This will require some remedial work to make good the plaster reveal around the frame on the internal wall as well as, any render externally.

Fixing Frames

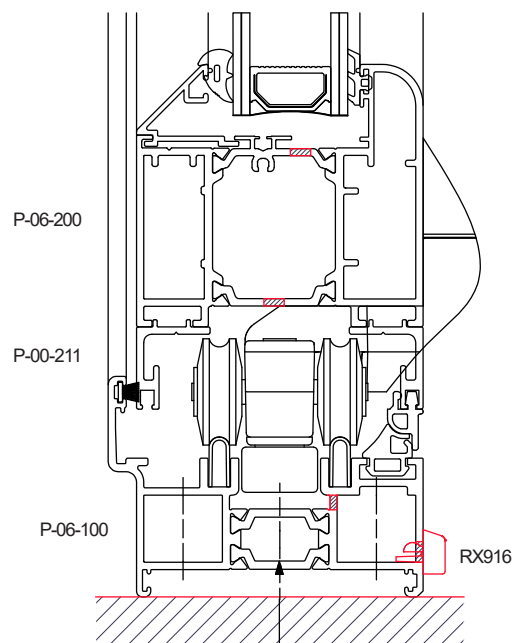
The first fixing must always occur within 150mm of each corner and at not more than 600mm centres (Do not over tighten fixings), the type and frequency depends on the expected applied loadings. Packing will be required at fixing points to prevent distortion of the frame. Drilled holes in the frame should be sealed where there is a possibility of moisture penetration around the fastener.

Foam

Fixing foam can be used in conjunction with fasteners, but is not an alternative to screw fixing. Care must be taken not to allow the foam to come in contact with the painted finish, and as such the use of some form of masking tape would be advisable. Permanent staining will be caused if foam comes in contact with the frame.

IMPORTANT NOTE

Always cap of seal fixings, especially when securing to any of the Blyweert Beaufort range of cills / drainage trays.



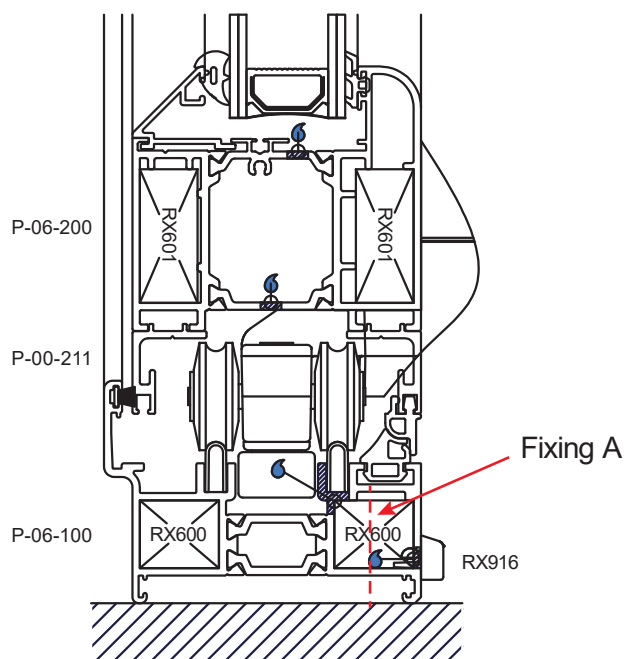
Installation Guide

SubCill Installation

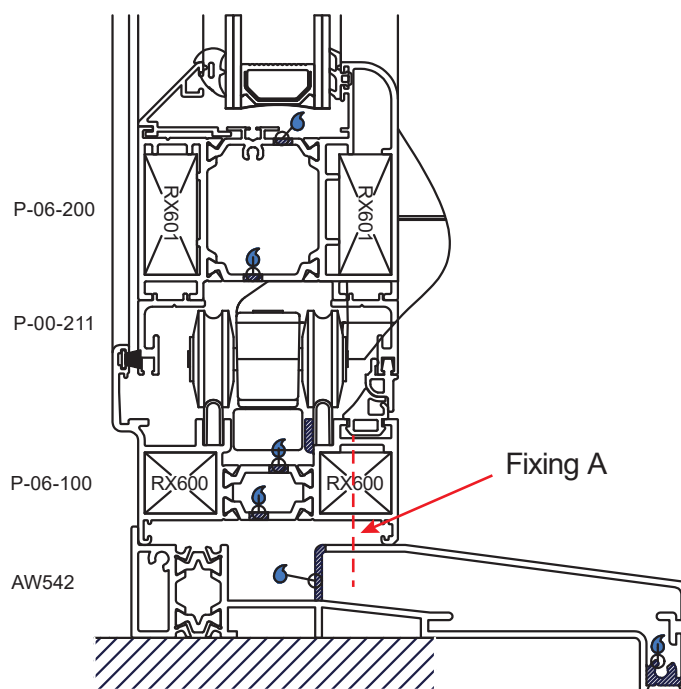
Drainage paths through the sub cill and must be free and left unobstructed by the sub structure or sealing. On conservatory/dwarf walls only, an additional fixing A must be located as shown alongside

to secure the frame into the sub cill. Seal under the head to prevent water ingress. Further seals should then be applied and sealed in suite.

No Cill Face Drainage



With Cill Concealed Drainage (as standard)

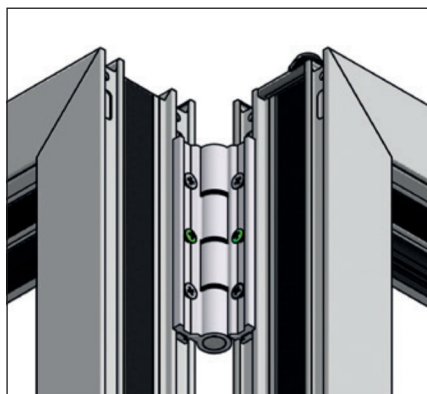


Panel Assembly

Final Fix

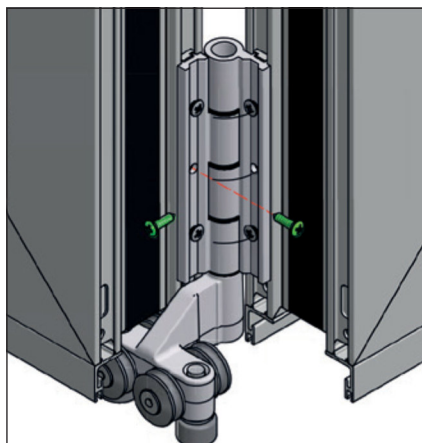
Once glazed and adjusted use a 4.2 x 25mm self-tapping stainless steel screw to ensure location of hinges and bogles (shown in green).

*Only fix after final glazing.



Secondary Panel

Once fixed repeat for remaining panels.

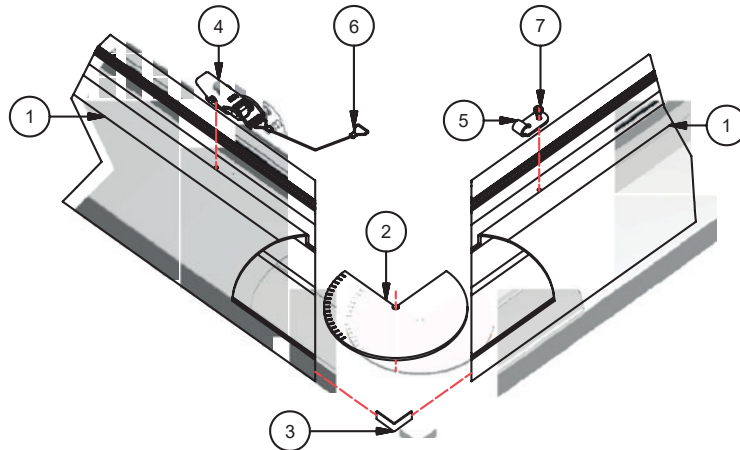


Adjustment

Adjust placement by sliding the backing plate then re-tightening machine screw.

The 4.2 x 25mm self-tapping stainless steel screws are supplied in the installation pack with this guide.

Cill Joiner Instructions

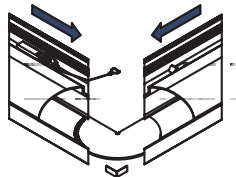


ITEM	PART NUMBER	DESCRIPTION
1	AW542	150mm x 25mm Drop Nose Cill
2	XA950	Universal Cill Spigot
3	XA951	Cill Nose Spigot
4	XA946	Cable Latch
5	XA952	Cable Hook
6	-	Jointing Cable
7	N/A	3.5 x 12 Posi Pan S/Drill S/Tap Screw



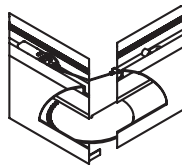
XA950 Universal Cill Spigot is marked at 5° angular increments to allow for accurate cutting to desired angle.

STAGE 1



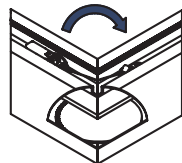
Position Cill Spigot (cut to desired angle) into Cill profile and slide Cill Nose Spigot into the front edge Cill groove.

STAGE 2

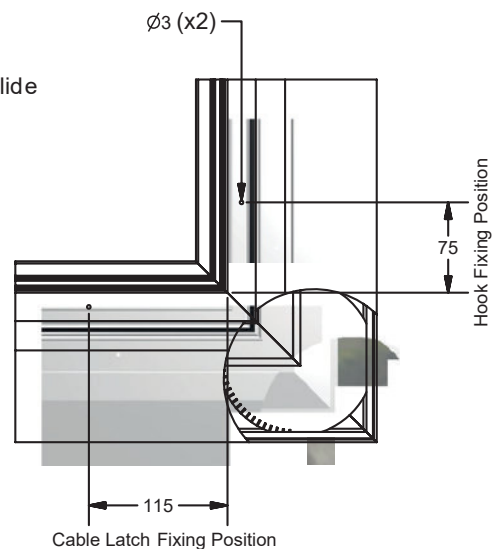


Move the Cill sections in towards each other until the mitred faces are touching.

STAGE 3

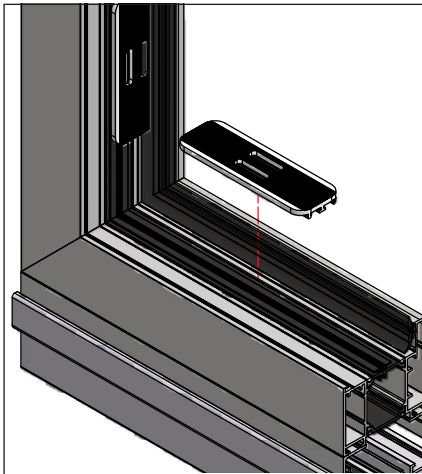


Complete the Cill assembly by placing the Latch Cable over the hook and lowering the Latch to form a secure connection.



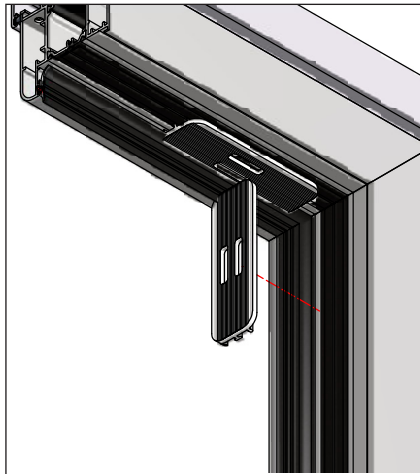
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Glazing



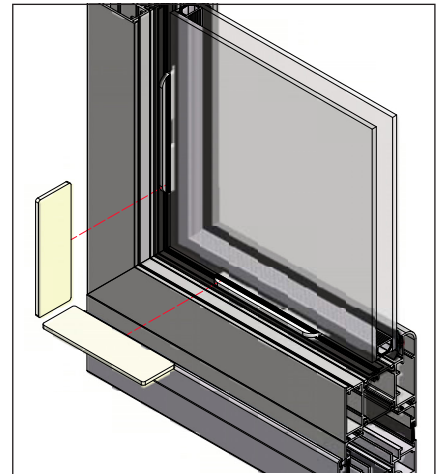
Bottom Glass Support

Place bridge packer on the hinge side along the bottom and vertical sections 150mm from the corner.



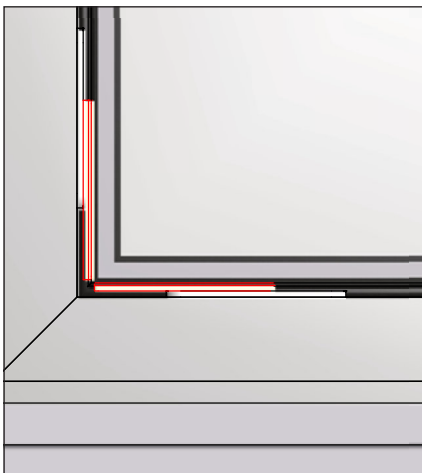
Glass Support Assembly

Place bridge packers 150mm from the corner opposite the hinge side of the panel.



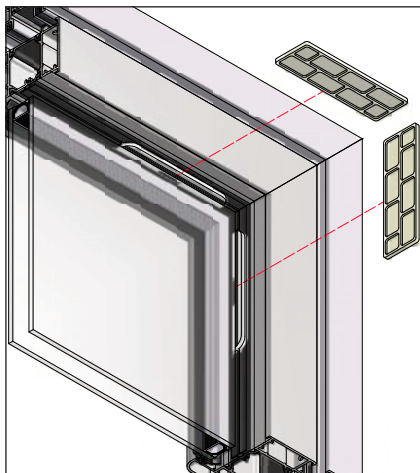
Bottom Glass Support

Use glazing packers to 'heel' glass in place. Start at the bottom hinge side.



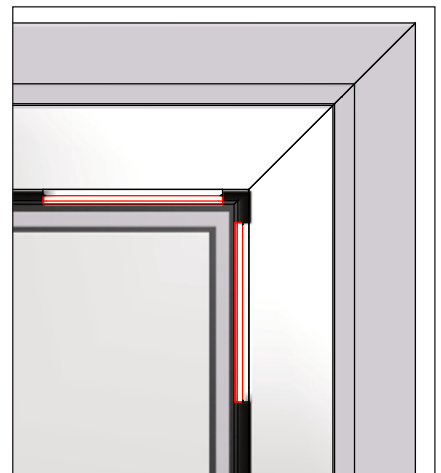
Bottom Glass Support

Bottom packers highlighted in RED support the weight of the glass.



Glass Support Assembly

Pack the opposite upper corner of the non-hinge side of the panel.

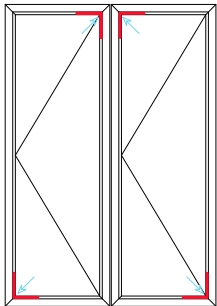
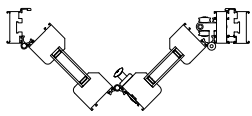


Bottom Glass Support

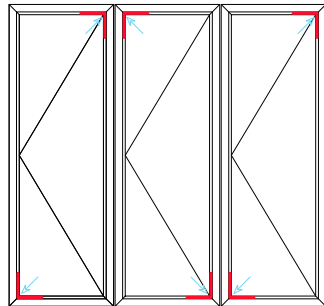
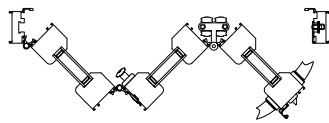
The upper packers re-distribute the weight of the glass back towards the outer-frame.

The bridge packers are included in the installation pack (4 per sash).

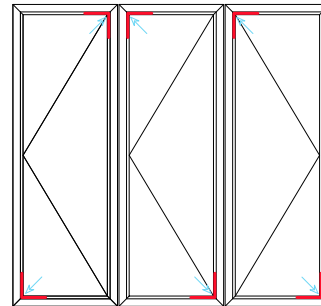
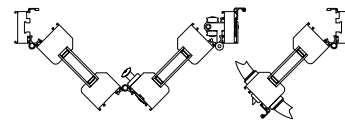
Toe & Heel Type Configuration



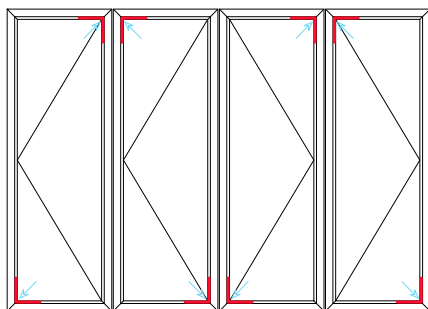
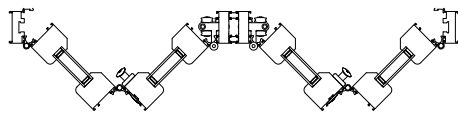
FSD Type 1



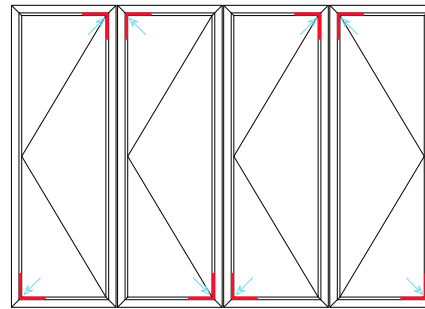
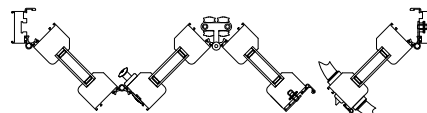
FSD Type 2



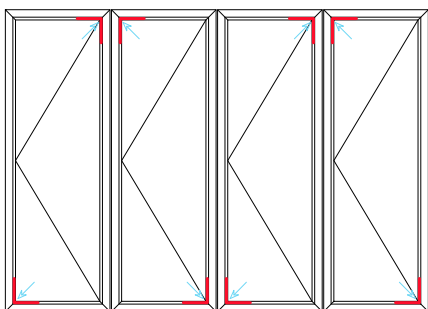
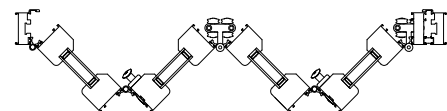
FSD Type 3



FSD Type 4

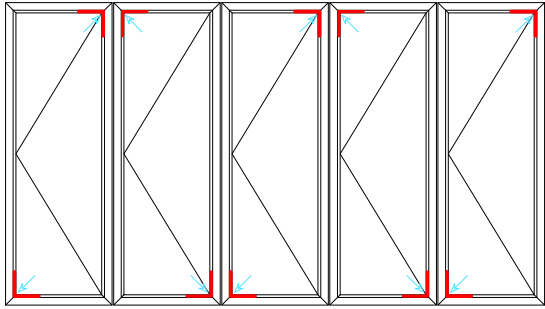
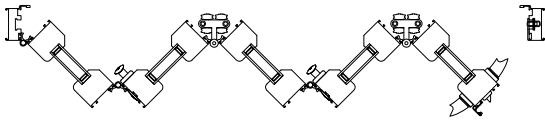


FSD Type 5

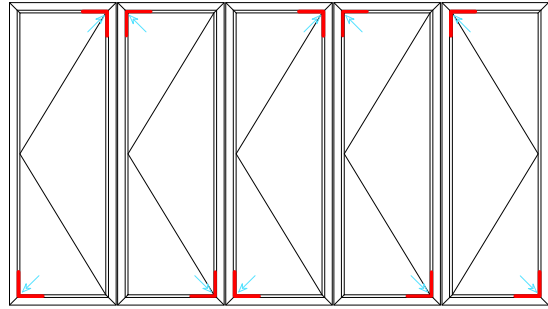
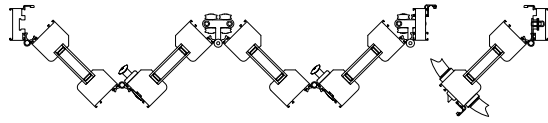


FSD Type 6

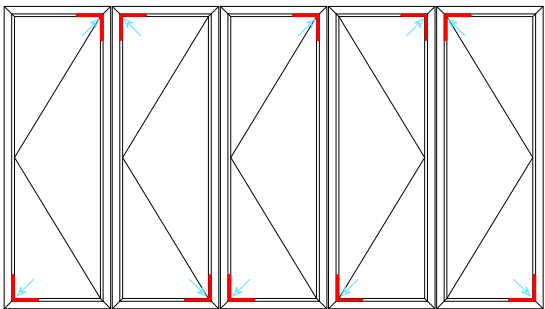
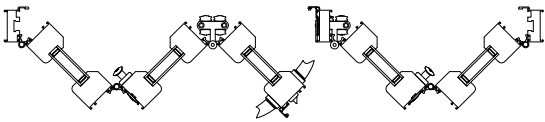
Toe & Heel Type Configuration



FSD Type 7

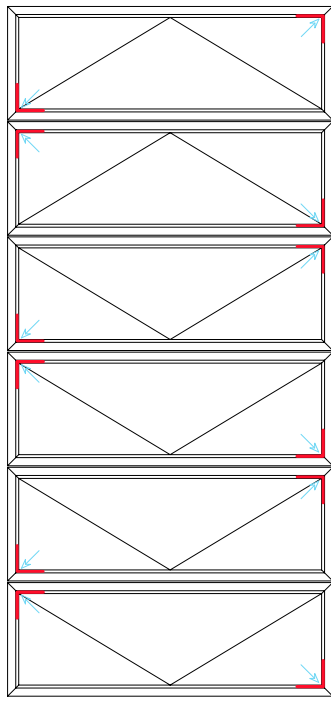
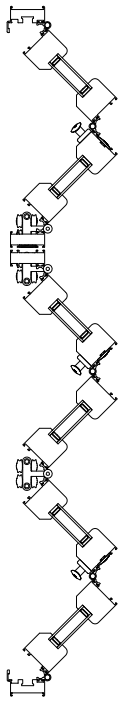


FSD Type 8

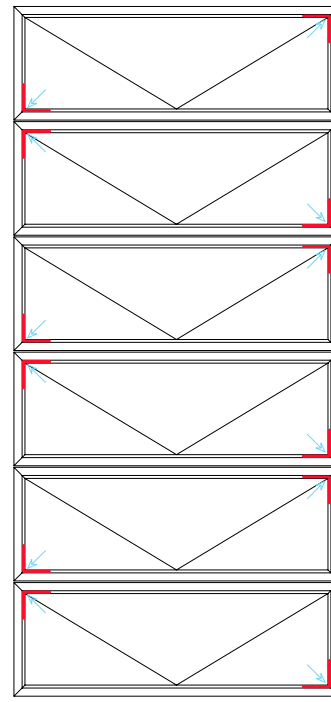
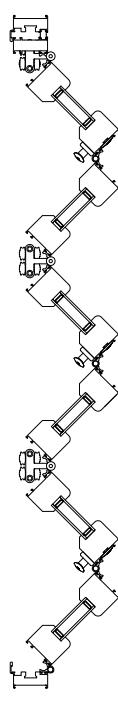


FSD Type 9

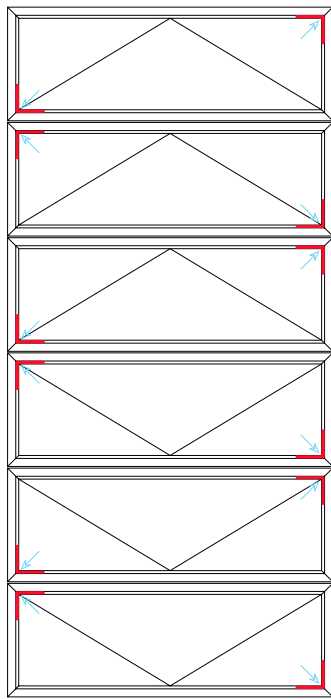
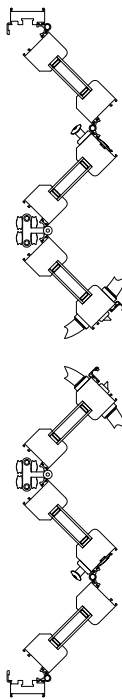
Toe & Heel Type Configuration



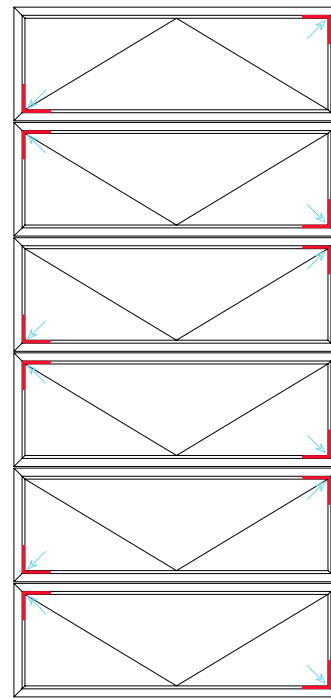
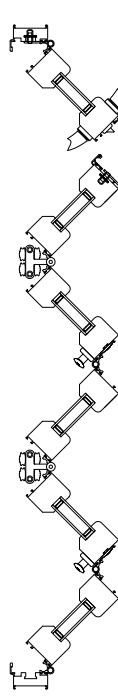
FSD Type 11



FSD Type 13

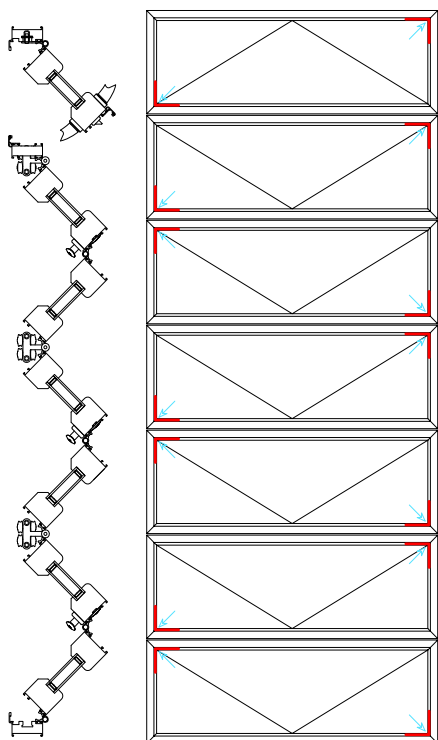


FSD Type 10

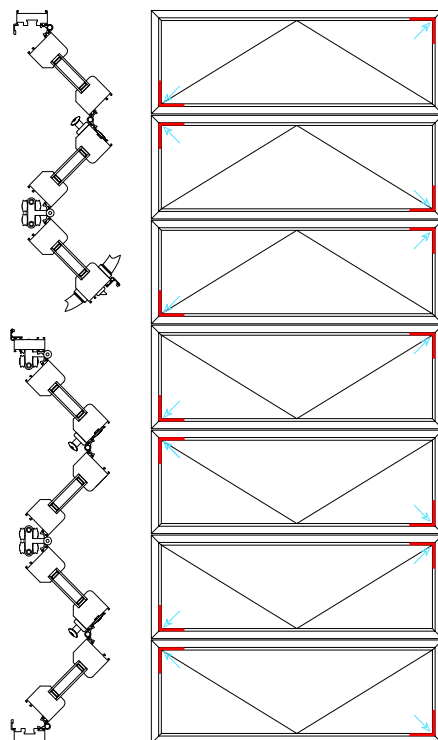


FSD Type 12

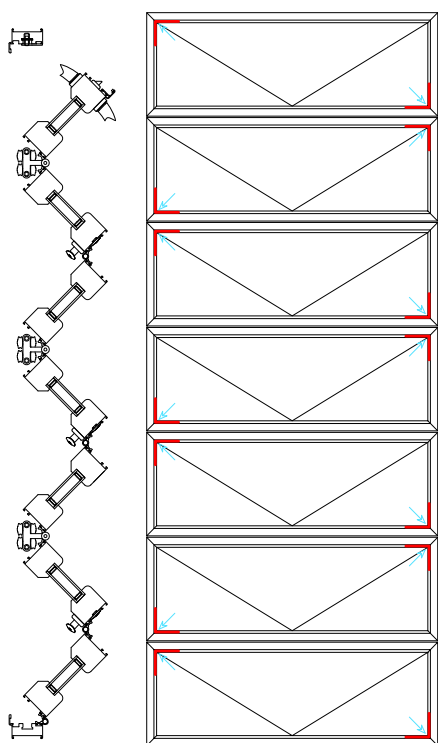
Toe & Heel Type Configuration



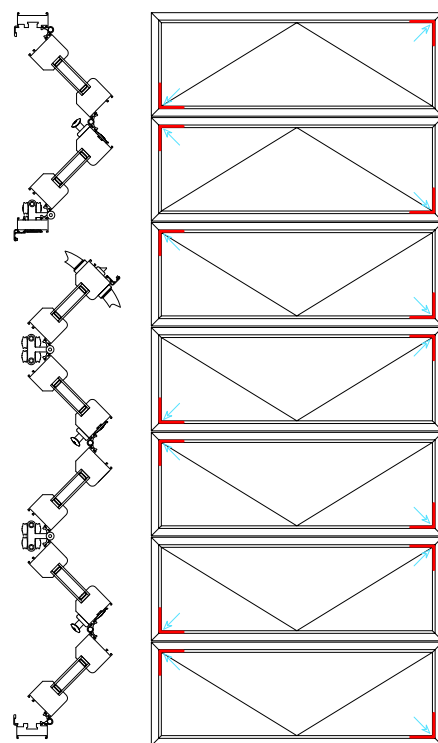
FSD Type 15



FSD Type 17

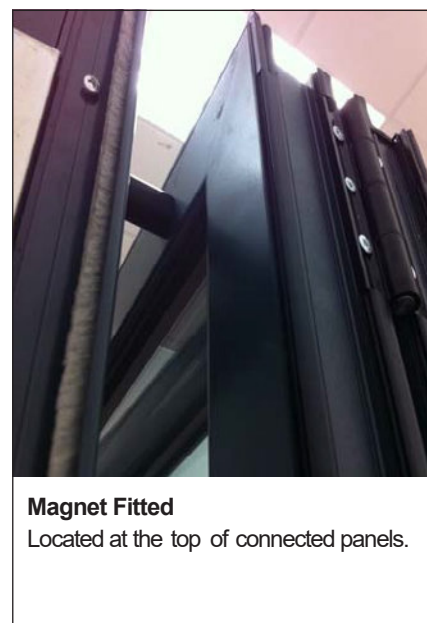
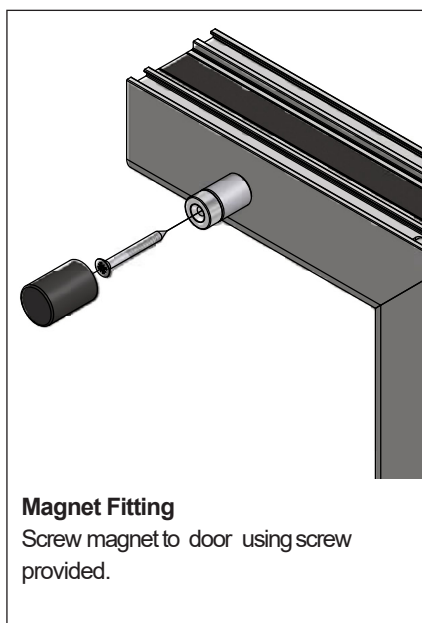
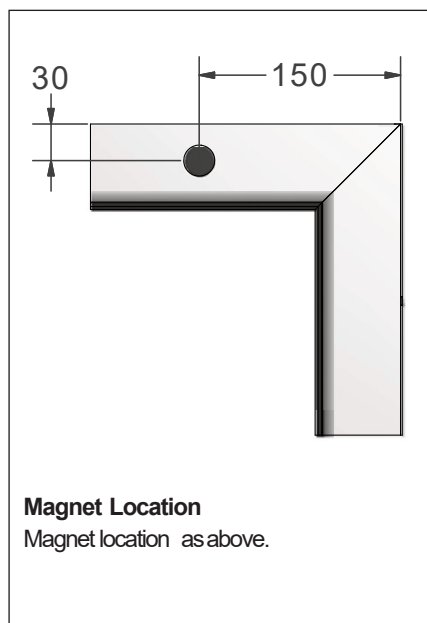


FSD Type 14



FSD Type 16

Panel Retention



The magnet and screw kit is supplied in the installation pack. A longer magnet is supplied in the kit for the master door leaf so the handle does not foul on the adjacent door leaf.

Operation Guide

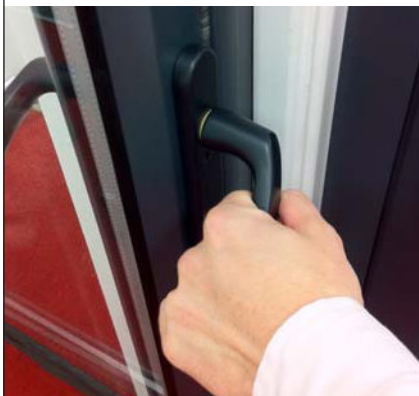
1.



Traffic Door Operation

Turn key clockwise to unlock.

2.



Traffic Handle Operation

Grip handle and push down to release locks on traffic door handle.

3.



Traffic Door Opening

Open panel fully to allow the magnets to fix to the adjacent panel.

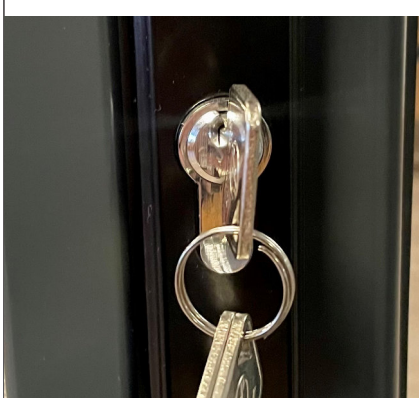
4.



Holding Traffic Door Open

Magnets protect and fix traffic door panels to adjacent panels.

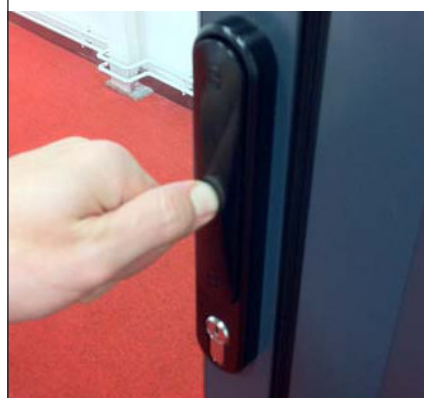
5.



If you have a key locking T-Handle

Before operating, you must unlock the handle with the key. Insert the key and turn anti-clockwise 180°.

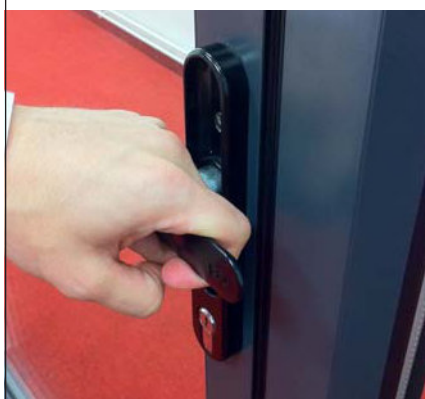
6.



Unlocking T-Handle

Push T-Handle to release.

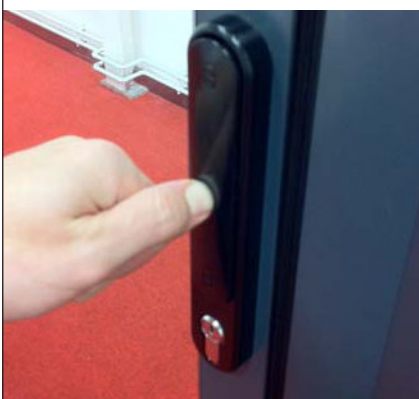
7.



Disengage Shootbolts

Rotate handle clockwise 180° to Disengage shootbolts fully.

8.



T Handle Operation

Push the T-Handle back into the frame before operating doors.

9.



Unlocking T-Handle

Ensure the 'Unlocked' symbol is at the top before opening doors.

Operation Guide continued

10.



Opening Folding Panels

Slide panels together.

11.



Open Position

Stack the panels together for max clear opening.

12.



Closing Door

Reverse previous steps to close door.

13.



Locking T-Handle

Lock each T-Handle before proceeding.

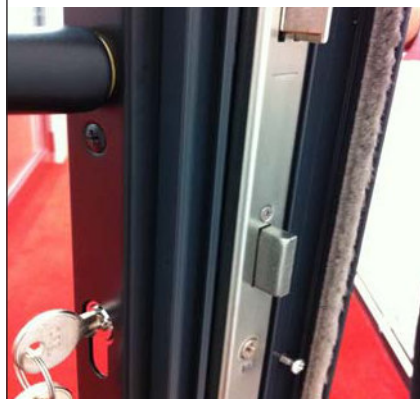
14.



High Traffic Handle

Lift the high traffic handle when the door is closed to engage locks.

15.



Latch Engagement

Lifting the handle operates the latch.

16.



Hook Engagement

To lock, lift lever handle and turn key.

Failure to correctly operate the folding sliding door system can cause damage to the operating mechanism and hardware. This can cause the door to fail and may invalidate your guarantee.

Maintenance Guide

General Maintenance

- The door surfaces and inner chambers should be cleaned using warm soapy water or a mild diluted detergent. The surfaces should be cleaned using a soft cloth, sponge or a soft natural bristle brush. All areas to be thoroughly rinsed and dried after cleaning.

Polyester Powder Coating Polyester powder coat paint is an organic finish that requires regular cleaning and maintenance to ensure it keeps its decorative and protective qualities.

The frequency of cleaning depends on such factors as:

1. The building's surrounding environment (for example, marine alkaline, acid. Industrial etc.)
2. The varying levels of atmospheric pollution,
3. The prevailing wind direction,
4. Exposure to airborne debris such as sand or salt, which may cause erosive wear.

Cleaning frequency also depends on the desired standard of appearance and also the need to remove deposits, which could cause damage after prolonged contact with the finish.

In an industrial environment, the normal interval between cleaning should not be more than every three months. Where there is a high degree of industrial pollution or a hazardous atmosphere, the periods between cleaning should be reduced. If the atmosphere is non-hazardous (for example in rural or normal urban locations), the period between cleaning can be extended to a maximum of 18 months (or more frequently if heavy soiling occurs). Where a site is subjected to any unusual environment factors, or is close to salt water, your installer should be consulted for specialist advice.

Locks & Hardware

All locking mechanisms should be kept free of dirt and grime and lubricated with light machine oil such as 3 in 1 or WD40. Locking parts exposed when the door is open including strike/face plates, locking cams and hook bolts should be wiped clean of residue lubricant and grime. These mechanisms should then be lubricated using a light machine oil. Locking keeps should be lubricated with petroleum jelly from time to time. Always ensure excess oil is wiped away.

One year after installation and thereafter annually, the moving parts of locking mechanisms should be lubricated with light machine oil as 3 in 1, or WD40.

Handles may be cleaned with warm soapy water or a mild diluted detergent using a soft cloth or sponge. It is important to thoroughly rinse and dry the hardware after cleaning.

Pivot points of handles should be lubricated periodically with light machine oil such as 3 in 1 or WD40.

The tightness of all fixing screws or rivets should be checked periodically. One year after installation and thereafter annually.

Over tightening of handle fixing screws can put too much strain on the locking mechanism's gearbox and impair the function of the lock. Windows and doors which are not in frequent use should be opened and maintained.

Maintenance Guide continued

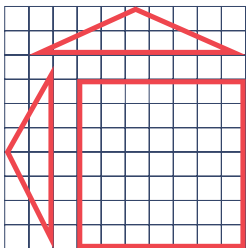
Condensation

Water vapour is continually present in the atmosphere and in the home this natural water content is increased by day-to-day activities which create steam such as cooking, bathing, washing, boiling water etc.

This water vapour is undetectable when carried in warm air, but it condenses into water droplets when it comes into contact with cold surfaces such as glass. Normally, water vapour is controlled through natural ventilation via airbricks and chimneys etc. but conservation measures have led to more efficient sealing of buildings.

This may result in trapped water vapour and increasing problems with condensation. Condensation is best controlled by ventilation and this is achieved by opening windows, fitting extraction units or by fitting wall vents to provide airflow. Some heat should always be maintained in the building during cold weather.

The temperature may be increased in areas where condensation is a particular problem. If possible, internal doors to kitchens and bathrooms should be kept closed and sealed against draughts to prevent excessively moist air being transferred to other areas. Bedroom windows should have night ventilation facilities to provide air circulation. Curtains should be a minimum of 150mm away from the door to ensure airflow, with suitable gaps.



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