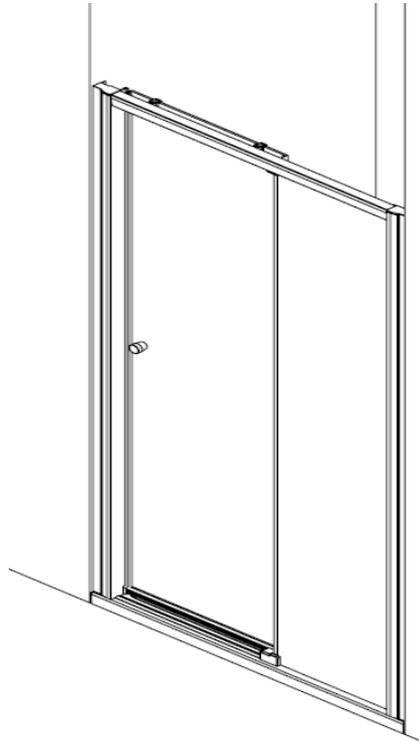


Haven6

Low Entry Sliding Door

H3LE#



Handling

Be aware toughened glass can shatter if not handled correctly. It should not be subjected to any sharp impact and it is essential to protect the glass by resting it on a soft protective surface during installation such as cardboard or carpeting. It is recommended to wear PPE at all times during installation.



Pre-Installation Checks

1. Please take time to read these instructions prior to installing your product, including the Tray Sizes section below.
2. Check you have the correct product, by looking at the labels on the side of the product packaging.
3. Check all the product components and fixing kits are in the box - [these are listed on the next page](#).
4. Please check the product for defects or damage, once the installation has commenced we cannot accept responsibility for any defects or damage.
5. Before you commence any drilling check there are no hidden electrical cables and/or water pipes.
6. No attempt should be made to re-work the toughened safety glass.
7. The installation of the product should be performed by two persons.
8. It is strongly recommended the product is fitted on a tiled surface or similar waterproof surface - which are tiled and grouted before product is installed.
9. It is strongly recommended that the walls the product is going to be installed on are vertical, and the floor/tray is level.
10. Please note that some natural misting may occur when you remove this product from its packaging, due to the addition of the glass protection pre-coating. If this does occur this can easily be removed with a soft, dry cloth.

Tray Sizes

Important: You **MUST** measure your tray before you proceed with installation. Please refer to the adjustment stated in the brochure or Step 1 of this instruction manual for the adjustment details for Haven6. If your tray exceeds this given value, you may need a bespoke product. T Your Tray must be larger than the size given for Corner Adjustments.

Refer to Step 1 for a guide on how to measure your tray accurately before proceeding any further - Roman will not be liable if you begin installation without correctly measuring your tray, to the realisation it doesn't fit.

Consumer Guarantee

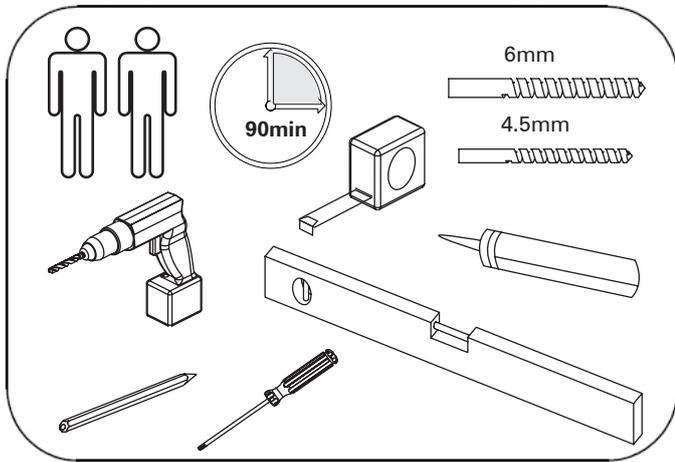
Please make sure the purchaser/end user completes and returns the guarantee card which is enclosed with this product. Failure to validate the Guarantee will mean only the 1 Year Statutory Guarantee will apply.



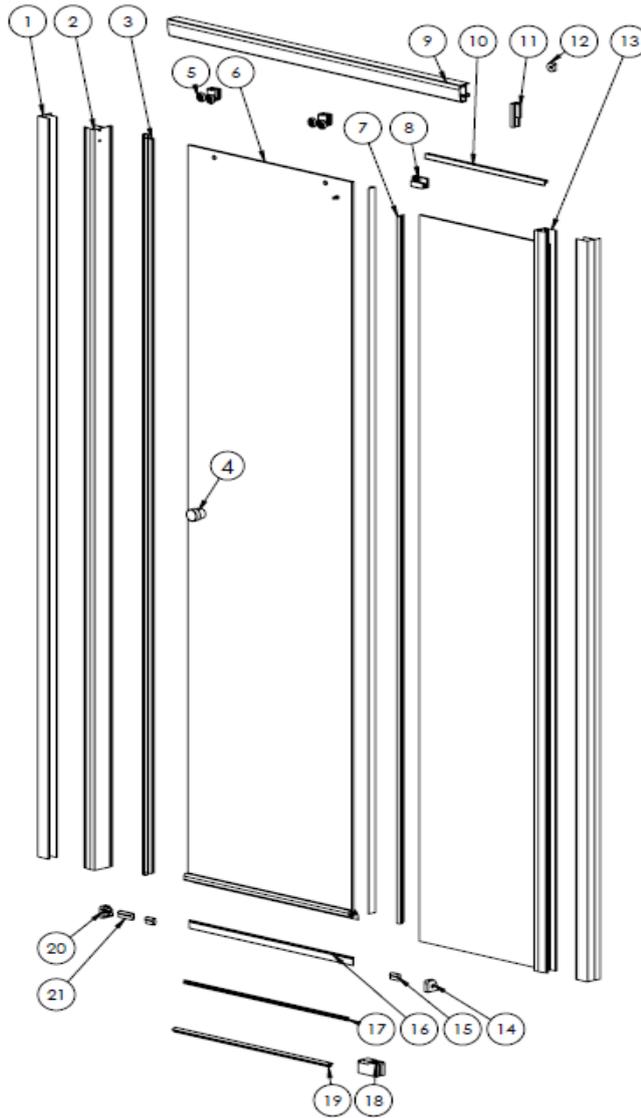
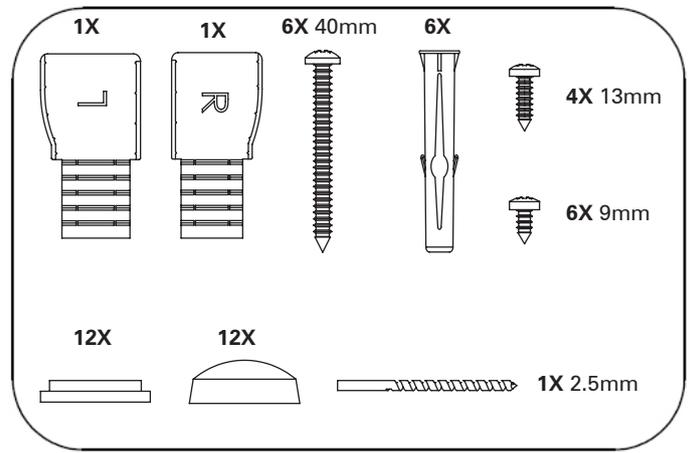
To obtain a copy of the Declaration of Performance for this product, please go to: www.ice-dslp.com, contact us on +44 (0) 1325 328034, or write to us at the above address, quoting the product reference number where possible.



Equipment Checklist: Not Supplied



Fixing Kit Components



No.	Description	Qty.	No.	Description	Qty.	No.	Description	Qty.
1	Wall Profile	2	11	Transit Block	1	21	Rubber Stop (Long)	1
2	Magnet Profile	1	12	Door Stop	1			
3	Magnet Pairing	1	13	Panel Assembly	1			
4	Door Handle	1	14	End Rail Cap (RH)	1			
5	Top Bearing Assembly	2	15	Rubber Stop (Short)	2			
6	Door Glass	1	16	Level Access Seal	1			
7	Door / Panel Seal	2	17	Door Guide Seal	1			
8	Glass Clamp	1	18	Door Bottom Guide	1			
9	Top Rail	1	19	Bottom Strip	1			
10	Panel to Rail Seal	1	20	End Rail Cap (LH)	1			

Step 1 - Tray Sizes

Your area must be tiled and grouted before measuring your tray - refer to your tray installation instructions and ensure this is done correctly. This is because tray measurements are taken from the tiled wall. Once tray installation is complete you can proceed to measuring the area, measure the bottom, middle and top across a 1900mm height. The tables below show the range of tray widths which will allow for correct fitment - this is for standard products only.

Alcove:

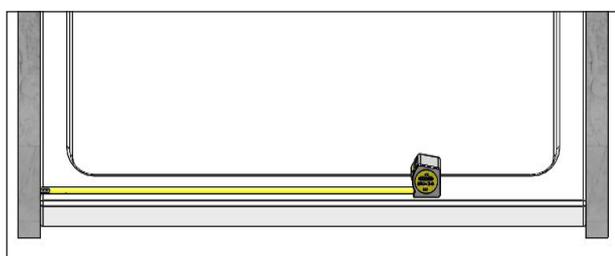
For Bespoke products please refer to your customer drawing for the MID Adjustment of the Door, this is the required Alcove size.

Corner:

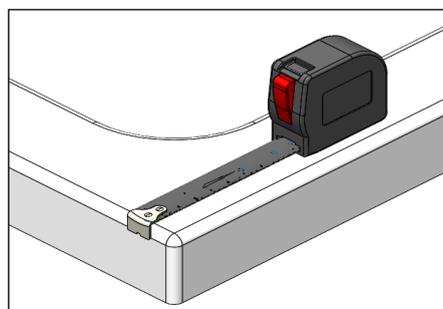
For Bespoke products please refer to your customer drawing for the MID Adjustment of the Door, and add 10mm. For The Side Panel, please refer to the Side Panel Fitting instructions.

Alcove Door Code	Tray Width
H3LE10	940mm - 990mm
H3LE11	1040mm - 1090mm
H3LE12	1140mm - 1190mm
H3LE14	1340mm - 1390mm
H3LE15	1440mm - 1490mm
H3LE17	1640mm - 1690mm

Corner Door Code	Tray Width
H3LE10	986mm - 1027mm
H3LE11	1086mm - 1127mm
H3LE12	1186mm - 1227mm
H3LE14	1386mm - 1427mm
H3LE15	1486mm - 1527mm
H3LE17	1686mm - 1727mm



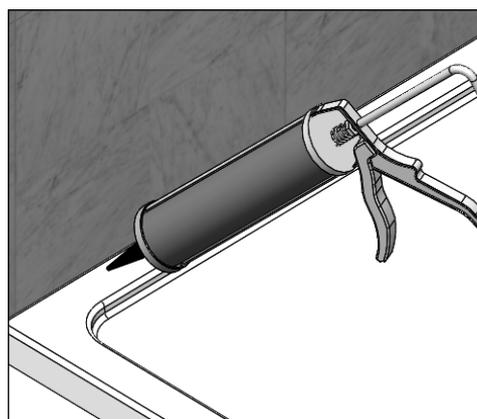
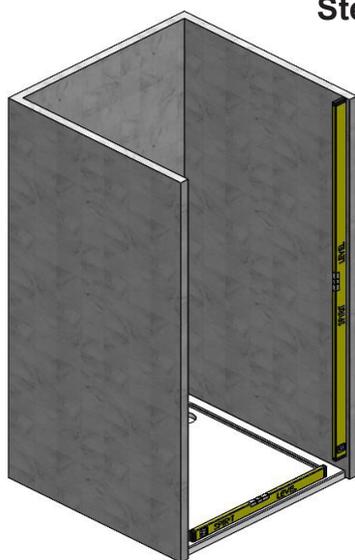
Measure from one tiled wall to the other.



Measure from the very outside of the tray - before the radius. Go all the way to the tiled wall.

If your tray exceeds the given amount for your product size, you may need a bespoke product.

Step 2 - Pre-Installation Checks

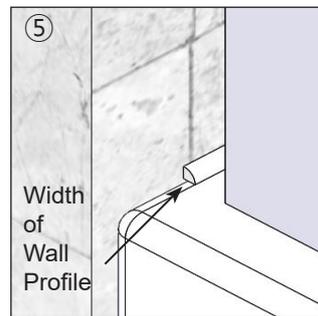
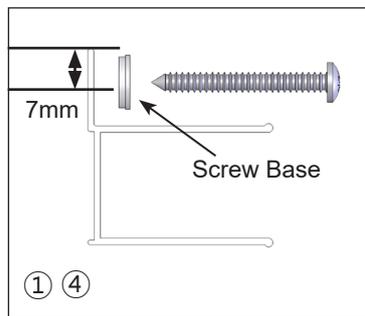
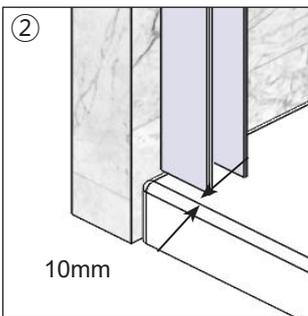
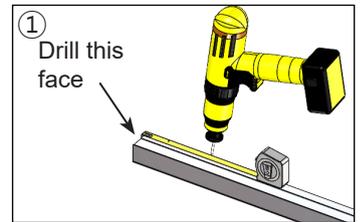


1. Make sure the tray is installed as per the manufacturer's instructions.
2. Check your Tray and Walls are level on all sides (the bubble on the spirit level must be in the centre of the 2 lines).
 - If the Walls & Tray are not level you will not achieve the +/- 12.5mm of adjustment in each profile.
3. Stand in the tray and check that there is no adverse movement (correct if necessary).
4. The walls should be tiled and grouted up to the tray.
5. The tiles and the tray should be sealed using a good quality bathroom sealant:
 - Spray the seal and joints with the shower head and check for leaks when the silicon has cured.
 - Check the plumbing for leaks.
 - DO NOT plasterboard over the tray.
 - DO NOT grout the tiles when the enclosure has been fitted, the grout may discolour the aluminium profiles.

Step 3 - Fitting 1st Wall Profile (Panel Side)

NOTE: If this product isn't being fitted in an Alcove but with a return panel then both wall profiles can be fitted now following the procedures below.

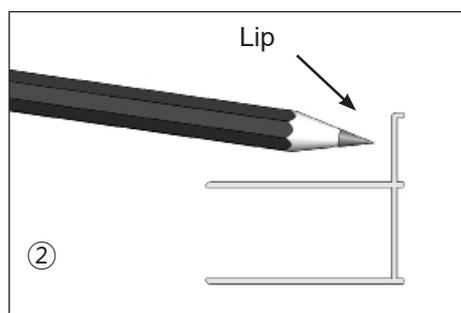
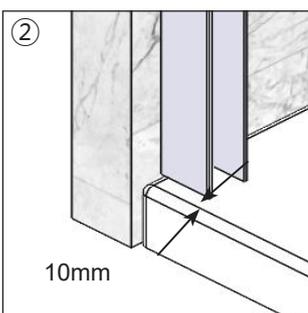
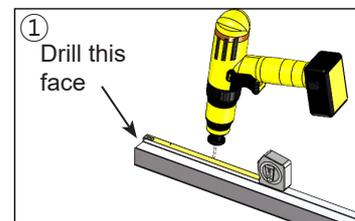
1. Take one Wall Profile and drill three 4.5mm holes through the lip. Place them 7mm in from the edge and approximately 100mm from each end and the other positioned in the centre.
 - **Drill the holes from the back (through the face that goes to the wall) - deburr all holes.**
2. Position the wall profile at the side where the panel is to go. Set it in 10mm from the outside of the tray. The lip section of the wall profile must face inward towards the shower. Make sure the wall profile is completely vertical using a spirit level and mark the wall through the holes with a pencil.
3. Drill the wall with a 6mm Masonry Drill Bit (not supplied) where the Wall Profile is to be positioned. Fit the Wall Plugs supplied (if going in to a brick or block wall). If going into a plasterboard wall you will need to purchase appropriate wall fixings. Wipe clear all debris from the Tray before referring to the next stage.
4. Where the Wall Profile is to be positioned on the Tray, place a bead of Bathroom Sealant (not supplied) the width of the Wall Profile along the tiled wall. Screw the Wall Profile to the wall with 40mm Screws (supplied). Do not over tighten the screws into the Wall Profiles as this will misshape the Wall Profile. Ensure the Wall Profile stays completely vertical throughout this procedure using a Spirit Level.
 - **NOTE: Only one Wall Profile is fitted at this time, the other Wall Profile is fitted later.**
 - **No sealant should be present between the Wall Profiles and the tiled walls vertically prior to screw fixing.**
5. Seal the gap on the inside between the Tray and Wall Profile with a Bathroom Sealant (not supplied).
 - **Failure to carry out Stages 4 & 5 can result in serious water damage and is not covered by the Guarantee.**



Step 4 - Preparing the 2nd Wall Profile (Alcove)

NOTE: This Wall Profile is to be fitted to the side of the alcove where the door opening is to be.

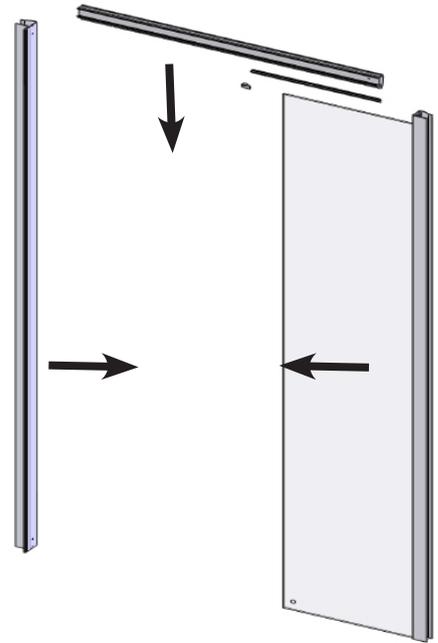
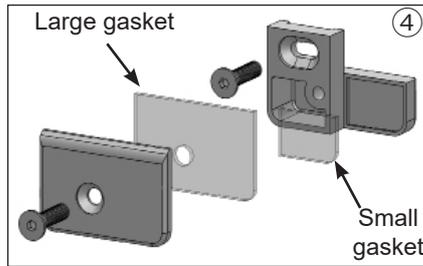
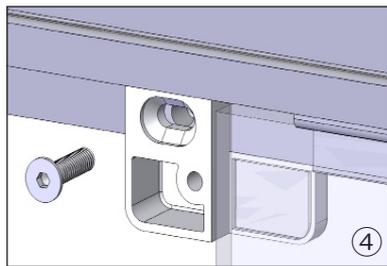
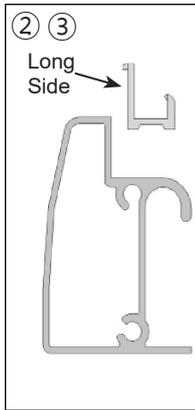
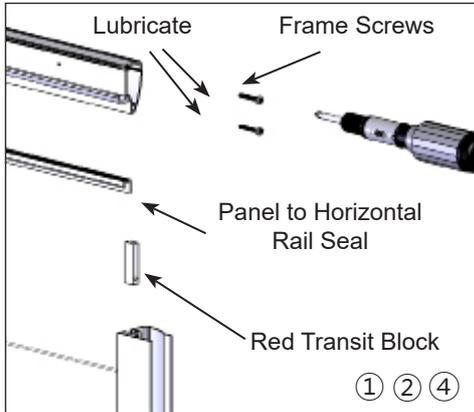
1. Take the remaining wall profile and drill three 4.5mm holes into the lip, approximately 100mm from each end and the last one positioned in the centre.
 - **Drill the holes through the face that goes to the wall - deburr all holes.**
2. Place the wall profile 10mm in from the outside of the tray so that it matches the 1st wall profile, the lip section of the wall profile must face inward towards the shower. Make sure the wall profile is completely vertical using a spirit level and mark the wall through the slots with a pencil.
3. Drill the wall with a 6mm Masonry Drill Bit (not supplied) where the Wall Profile is to be positioned. Fit the Wall Plugs supplied (if going in to a brick or block wall). If going into a plasterboard wall you will need to purchase appropriate wall fixings.
 - **IMPORTANT: Do not fit the wall profile at this stage, it will be fitted to the wall later in the installation.**



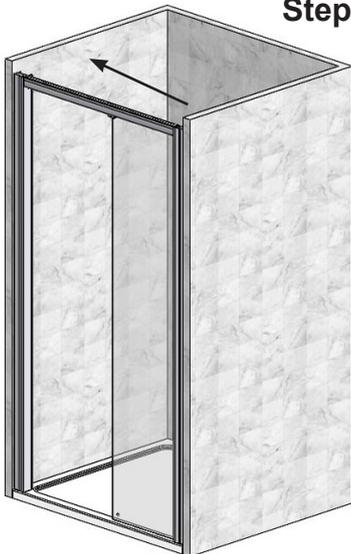
Step 5 - Building the Framework

NOTE: This part of the installation requires 2 people and a clear area in front of the shower tray in which to assemble the product prior to it being installed. This is an inside view of the enclosure.

1. Prior to assembling the frame remove the Transit Block from the Panel assembly and discard.
2. Place the "L" shaped Panel Seal between the glass and Horizontal Rail making sure that it butts up fully to the Panel Assembly Vertical.
 - **NOTE:** There is a long side and short side to the seal, make sure you fit the seal the correct way.
3. With the Panel Seal in position between the glass and Horizontal Rail screw fix the frame together using the screws provided.
 - **IMPORTANT:** Please use a lubricant and a hand screwdriver to **NOT** over stress the screws.
4. Dismantle the glass clamp assembly and position the outer part and small gasket between the glass and rail and secure using the screw provided. Place the large gasket and backplate onto the glass and secure.
5. Fasten the Vertical Magnet extrusion to the other end of the Horizontal Rail and ensure the slot that takes the magnet is to the inside.
 - **IMPORTANT:** Please use a lubricant and a hand screwdriver to **NOT** over stress the screws.



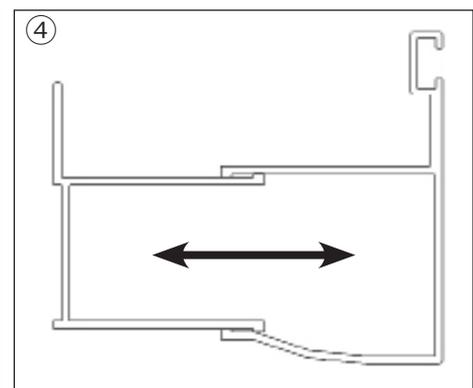
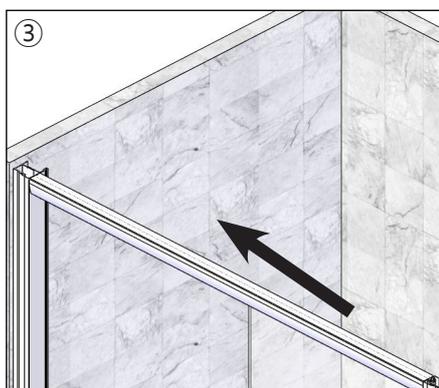
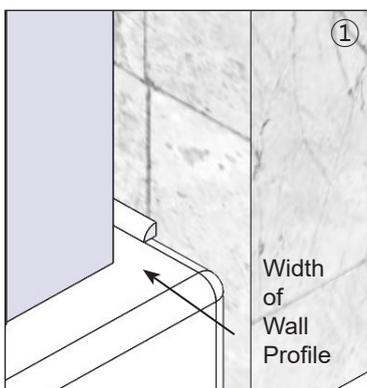
Step 6 - Installing the Frame & Second Wall Profile



IMPORTANT: When lifting the frame ensure that the Vertical Magnet Extrusion is supported and the Glass Clamp remains over the glass.

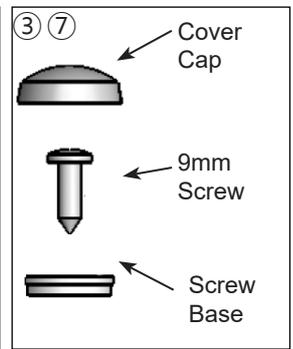
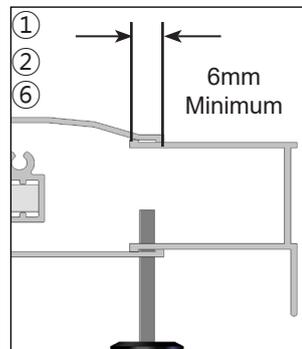
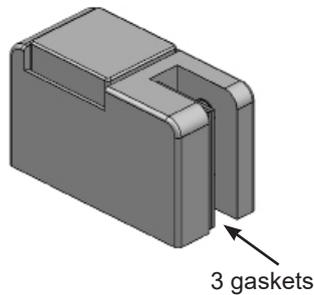
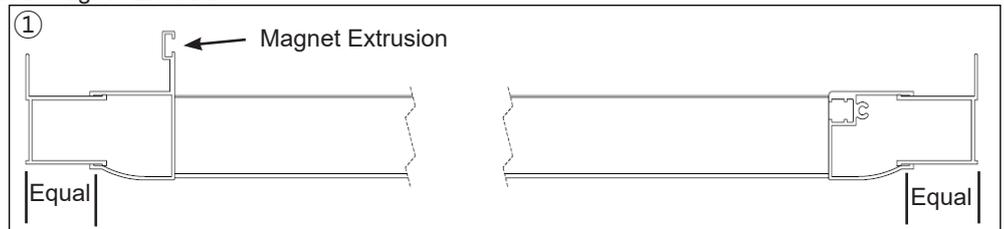
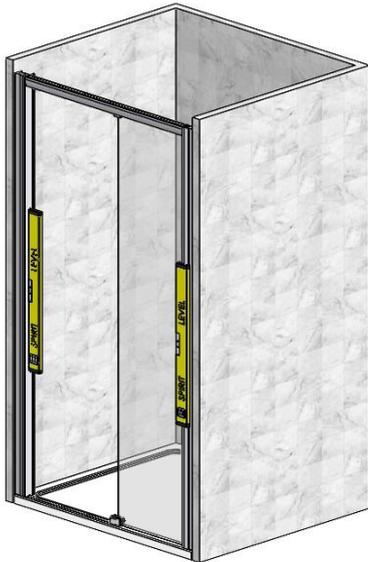
NOTE: The stages below will require 2 people to carry them out. On stage 5 carefully lift the Frame to seal the inside of the 2nd Wall Profile

1. Place a bead of sealant the width of the Wall Profile at the base where the tray meets the tiles.
2. Insert the 2nd Wall Profile into the Magnet Vertical ensuring the lip is facing inwards towards the shower.
3. Carefully lift the whole assembly and place over the already fitted (1st) wall profile.
 - **NOTE:** The Wall Profile fits inside the Frame Vertical .
4. Push the 2nd Wall Profile to the wall and align the holes. Fit the screw bases to the 40mm screws and fix the Wall Profile through the lip. Fit the coloured cover caps.
5. Carefully lift the Frame and Magnet Vertical and seal the gap on the inside of the Wall Profile to the tray with a Bathroom Sealant (not supplied).
 - **IMPORTANT:** Failure to carry out Stages 1 and 5 can result in serious water damage and is not covered under the terms of the guarantee.



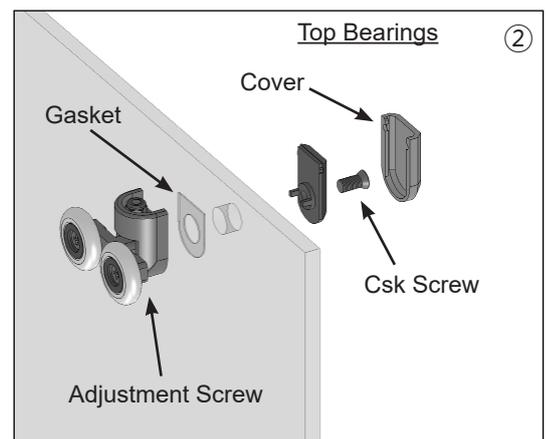
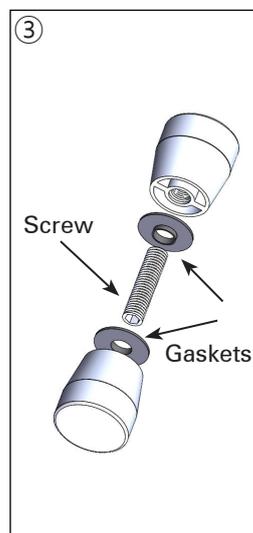
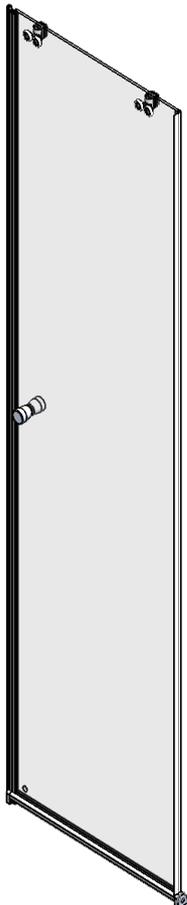
Step 7 - Fitting the Enclosure

1. Centralise the Frame between the Wall Profiles.
 - **IMPORTANT: There must be a minimum of 6mm for fixing.**
2. With a Spirit Level ensure the panel side is completely vertical. Drill 3 holes in the Panel Vertical profile approximately 100mm from the top and bottom and one in the centre into the Wall Profile using the 2.5mm drill supplied.
 - **Ensure the Panel is completely vertical (the bubble on the Spirit Level must be in the centre of the 2 lines).**
3. Place the bases onto the 9mm screws and screw fix the Panel Vertical to the wall profile.
4. Secure the Bottom Guide on the panel glass (place 3 gaskets between the outside of the glass and guide).
5. Place the Bottom Rail between the Bottom Guide and the Magnet Extrusion (DO NOT fit at this stage). Ensure that there are no gaps between them.
6. With a Spirit Level ensure the Magnet Extrusion is completely vertical. Drill 3 holes approximately 100mm from the top and bottom and one in the centre into the Wall Profile using the 2.5mm drill supplied.
 - **Ensure the Magnet Extrusion is completely vertical (the bubble on the Spirit Level must be in the centre of the 2 lines).**
7. Place the bases onto the 9mm screws and screw fix the Magnet Extrusion to the Wall Profile.
8. Insert the Frame Magnet into the Vertical Magnet Extrusion.



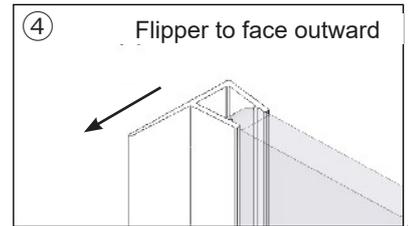
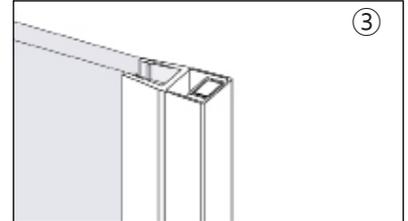
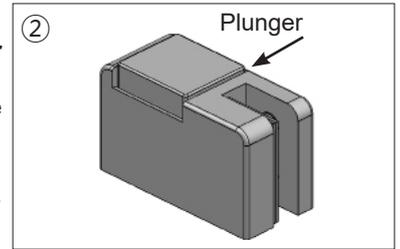
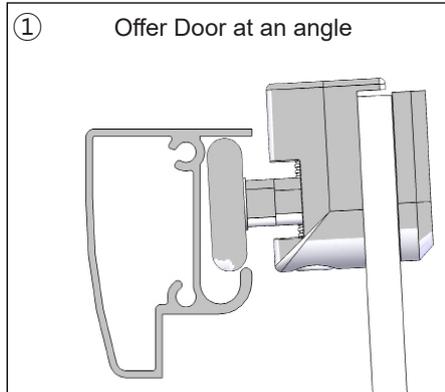
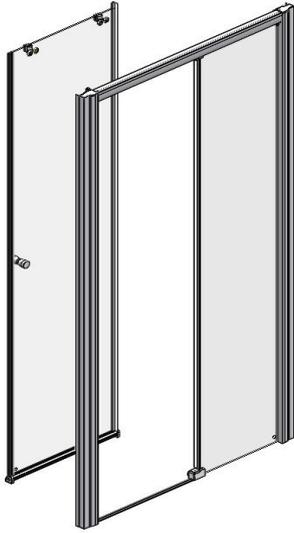
Step 8 - Assembling the Door

1. Place the Door Glass onto a level scratch free surface.
2. Carefully dismantle the Bearing Assemblies, place the gasket on the outside of the glass (Bearing Side) then re-assemble onto the Door Glass.
 - **IMPORTANT: Fit the Bearing Assemblies to the door using a hand screwdriver only (Do NOT use a Drill).**
3. Dismantle the Handle and reverse fit onto the Door Glass ensuring that the gaskets are fitted correctly to protect the glass and that the screws are on the inside of the door.
4. Carefully place the assembled door inside the tray.

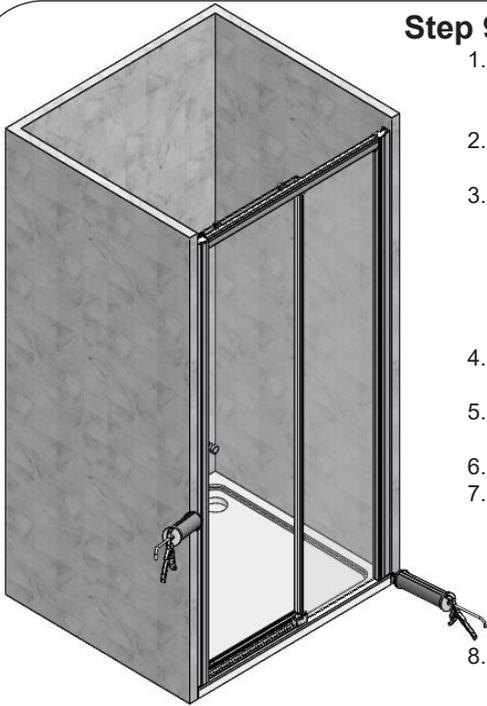


Step 9 - Fitting the Door

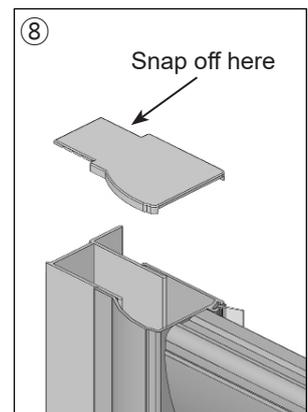
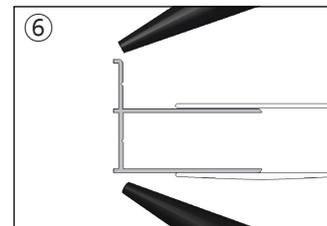
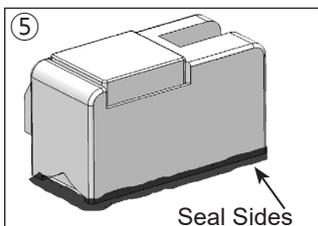
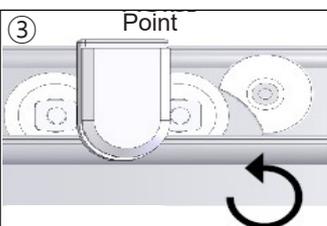
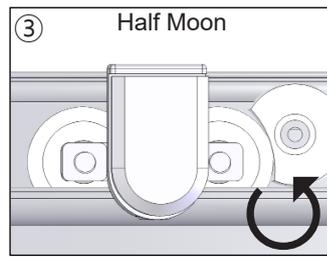
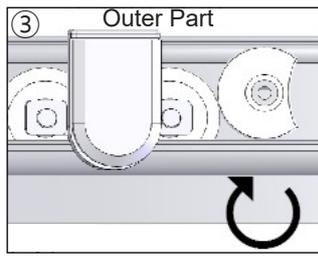
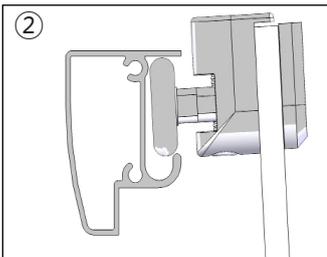
1. Position the top Wheel Bearings into the Horizontal Top Rail (you may need to have the Door at a slight angle) and drop the Door gently down.
 - **NOTE: When fitting to the top offering the door at a slight angle will make it easier to fit into the rail.**
2. Push down the plunger on the Bottom Guide then fit the Door Guide over it. Release the plunger.
3. Fit the Magnet Seal to the handle side of the door.
4. Fit the Vertical Flipper Seal to the other side of the door ensuring that the flipper faces outward.



Step 9 - Door Adjustment and Sealing



1. Close the Door and check the Magnets meet each other along the full length, also check that the Door is running smoothly. The Door Magnet can be pulled away from the glass slightly to help with the door closure.
2. The Door can be adjusted by turning the Screws on the Top Bearing Assemblies using a screwdriver. Turn the screws up or down until you are satisfied with the Door.
3. With the Door adjusted rotate the Door Stop until it just make contact with the wheel of the bearing when open, this to prevent excessive movement and rocking. The Door Stop can be rotated so that the wheel contacts either the outer part, the half moon section or the point (see diagrams).
 - **IMPORTANT: Adjust the Door Stop to prevent rocking, failure to do so may result in breakages.**
4. If you ARE going to use the Bottom Rail then remove the backing from the self adhesive strip. Place one end into the Bottom Guide. Keep the rail parallel to the tray and stick down.
5. If you are NOT using the Bottom Rail then seal the base of the Panel and the Magnet Profile up to the Wall Profiles, also seal the sides of the Bottom Guide and Magnet Profile.
6. Seal the Wall Profiles vertically, both internally and externally where they meet the tiles.
7. Seal the base of the enclosure to the top of the tray from wall to wall on the outside only.
 - **IMPORTANT: Failure to carry out stages 5,6 and 7 may result in serious water damage and is not covered under the terms of the guarantee.**
 - **DO NOT seal the base of the product to the inside, failure to comply may result in the product leaking.**
 - **Allow 24 hours for the sealant to fully cure prior to using the shower.**
8. The Top Caps have grooves and can be shortened by snapping off at these points. Fit the Top Caps.
 - **Add a small amount of sealant between the faces of the caps and verticals will help keep them in place.**
9. Place the branding badge in a prominent position on a none moving part of aluminium.



Trouble Shooting Guide

Should you experience any problems during installation please refer to the Trouble Shooting Guide or contact Customer Relations on:
+44 (0) 1325 328033

To enable customer relations to provide you with an excellent level of service it is important that you quote your product Code and Reference Number - these can be found on the Guarantee card.

Problem	Solution
Leaking	<ol style="list-style-type: none">1. Check the tray is sealed correctly along the tiled walls prior to installation.2. Check that the inside gap between the Tray and Wall profiles has been sealed correctly.3. Check the base of the enclosure is sealed on the outside only.4. Check that a bead of sealant the width of the wall profile has been applied.5. Check the wall profiles on the tiled walls are sealed both vertically inside and outside6. Check all the seals have been cut and positioned correctly.7. Has the Bottom Rail been fitted, if not then fit for better water integrity. <p><u>Important: This enclosure should be water tested conforming to BS EN 14428</u></p>
Enclosure Alignment on Tray	<ol style="list-style-type: none">1. Have you read and understood Step 1 of the instructions?2. Is the enclosure fitted onto a tiled wall?3. Is the wall profile completely vertical?4. Is the wall profiles fitted 10mm from outside of the tray?
Door not operating correctly	<ol style="list-style-type: none">1. Ensure both Wall Profiles are completely vertical.2. Ensure the tray is completely level.3. Ensure the enclosure has an equal gap around the tray.
Door Alignment	<ol style="list-style-type: none">1. Ensure the Wall Profiles are completely vertical.2. Ensure the Tray is completely level.3. If the door is not aligned correctly, you have adjustment in the top wheel assemblies.4. Rotate the Door Stop to prevent rocking.

Important Information to help you maintain your Product:

The following information is all you need to keep your product looking new.

Our products are generally maintenance free, however it may be necessary to lubricate wheel assemblies and other moving parts such as hinges from time to time.

Clean your product using a mild detergent diluted in water and then polished off using a soft cloth.

If you live in a hard water area, periodically clean your product using a 50/50 solution of white vinegar and water. The solution should be left on the enclosure for approximately 5 minutes then rinsed off using warm water. This method of cleaning should remove lime scale residue.

It is strongly recommended that a quality silicone spray is used.

A list of Donts

1. Don't use acidic based products which are unsuitable for cleaning enamel surfaces.
2. Don't use abrasive cleaners or cleaners using bleach or solvents, these products will adversely affect the finish of the aluminium profiles.
3. Don't use scouring pads, powder or any sharp instruments when cleaning the enclosure.