



The following instructions are intended for Spiral Hardware products and as a reference for Bespoke Enclosures.

The instructions cover the fitting of Single screen or Side panel, Door to wall and 90 degree Jamb panel from the side screen.

These instructions are a generic guide & suitable for use with single or double sided enclosures

Basic skills & tool kit are required.

Never tackle a job if you feel unsure

Beware the glass is heavy & fragile.

Basic Rules for handling Toughened glass include **NEVER** stand glass on to an unprotected surface. We recommend either clean timber packers or plastic isolation packers.

The glass will shatter if stood on to a hard surface typically concrete. Even the smallest flint can point load the glass & cause failure. Do not strike the edges or pry this will cause failure.

All fittings are to be protected from the glass edges using the supplied isolators, ensure you have enough in place so the clamping screws do not bottom out in the barrel before their full force is applied or the panel will sag over time.

TOUGHENED GLASS CANNOT BE ALTERED! Once cut, processed and toughened glass cannot be cut / planed / sanded or drilled etc. **IT WILL SHATTER!**

View of an installed stock two sided enclosure, bespoke designs will vary.



The side panel / Single screen

Preliminary requirements

The tray should be installed firm & level in both directions, the glass will be fixed to the tray so make sure it is secure, the glass is heavy.

Remove the glass from its shipping box, the lid will make a good landing pad for the glass as mentioned earlier do not stand glass directly on to a hard surface.

Attach the wall brackets to the glass & gently tighten so they sit in the correct orientation, keep as central as possible in the hole to allow for maximum adjustment at a later stage.

Attach the floor bracket to the bottom of the glass make sure the bracket is not too tight at this stage as it will be removed during the following steps.

Place 6mm packing on the tray; make sure the bottom bracket does not sit on the packing it should be just touching the tray when the glass is offered up.

Move the glass toward the fixing wall, using a spirit level make sure the glass face is perfectly plumb. Mark the bracket hole positions through the brackets. Whilst still in the same position draw the foot print of the floor bracket.

Remove the glass & brackets from the tray, drill the wall & insert plastic plugs ready to receive the screw fixings. Remove the bottom bracket from the glass, sit it on the foot print drawn on the tray earlier & mark the fixing hole. Drill & plug the hole, apply silicone to the base of the bracket & plastic plug, screw the bracket down to the tray, be careful to only tighten this gently over tightening will damage the tray & serves no purpose, this bracket will provide lateral restraint only.

Place a 1mm packer on the floor bracket, now lift the glass back in to position standing it on the 6mm packers as before. The glass is manufactured square so any discrepancy in the building work will be seen at the wall. Using a spirit level on the outside edge of the glass make sure it is plumb, any discrepancy here indicates the tray is not level. The glass must be installed plumb as the adjoining panels will also be square & have no adjustment if the gaps are to be kept even.

Slacken slightly the wall to glass fitting brackets then secure the bracket firmly to the wall followed by tightening the glass clamping screws top & bottom. Then fit the bottom side plate fixing & tighten.

The tie bar can now be positioned & secured ensuring the glass is plumb in both planes. The wall fixing is concealed within the tube/sleeve.

The Door Panel

Preliminary requirements

The tray should be installed firm & level in both directions.

Remove the glass from its shipping box, the lid will make a good landing pad for the glass as mentioned earlier do not stand glass directly on to a hard surface.

Attach hinges to the glass & gently tighten so they sit in the correct orientation, keep as central as possible in the hole to allow for maximum adjustment at a later stage.

IMPORTANT: If using adjustable hinges make sure the pivot clamps ('hump-back bridges' top and bottom of pivot pin, see image below) are level at this point or they may restrict the clamping force applied by the hinge and use all supplied gaskets up to 10mm glass. With all 4 loose you can change the finishing position of the hinge then tighten them to set where the glass will spring close to. Use this feature to set at an angle from the wall or overclose to add more pressure to closure seal.

Fit 6mm packers to the top of the tray where the door will sit.

Sit the glass on to the packers make sure the door is sitting upright by using a spirit level on the face of the glass once achieved mark through the hinges to identify where to drill.

Remove the glass out of the way & carefully drill the holes. **BEWARE** the door is heavy & will require a very secure fixing surface, we do not advise fixing in to plaster board, **it is the fitters responsibility to ensure the fixing point is suitable to carry the weight.**

Once drilling is complete insert plastic plugs then present the door with hinges still attached in to the opening, sit back on top of original packers to ensure alignment is maintained, fasten the screws completely in to the wall, then tighten the glass clamping screws firmly on to the glass, open the door & remove the temporary packers.

These gaps should be equal and level



Pivot adjustment clamps

The Jamb Panel (2+ Sided layouts only) (Inline enclosures use single screen)

Preliminary requirements

The tray should be installed firm & level in both directions.

Remove the glass from its shipping box, the lid will make a good landing pad for the glass as mentioned earlier do not stand glass directly on to a hard surface.

With the side panel already secured in place the jamb panel can be fitted, the panel is retained by two glass to glass brackets & one floor to glass bracket.

Attach the glass to glass brackets to the side panel (leave the clamping plates off the jamb panel face for now)

Attach the glass to floor bracket to the jamb panel & offer the panel up to the side panel, making sure 6mm packers are in place on the tray lip to determine the fitting height. The glass should sit level & the top match the side panel any adjustment needs to be carried out then secure the panel with the two remaining clamping plates.

Mark the position of the bottom bracket once the panel is correctly aligned.

Remove the panel & using the bottom bracket as a guide sit back on the tray where previously marked & drill through. Insert plastic plug & apply silicone sealer to the plug, bottom of the bracket & retaining screw.

Screw the bracket in place, do not over tighten the retaining screw this bracket provides lateral restraint, over tightening could result in damage to the tray. Re-fit the panel & secure the clamping plates.

Sealing

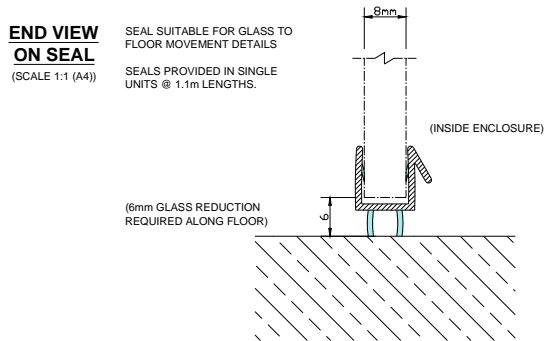
Fixed Panels – Silicone: The rubber seals are for use on the door only!

The fixed panels are sealed with clear silicone sealant the surfaces need to be clean & dry. The sealant is applied to the vertical & horizontal surfaces then tooled to produce a perfect finish. Allow the silicone to cure before using the shower; the silicone tube will have the drying time stated.

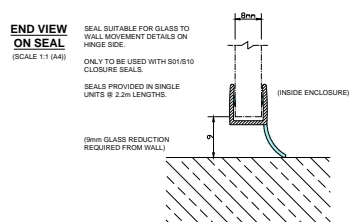
Door : - It is a good idea to practice cutting the seals on any off-cuts supplied.

Seals can be pulled off the glass to take up width discrepancies.

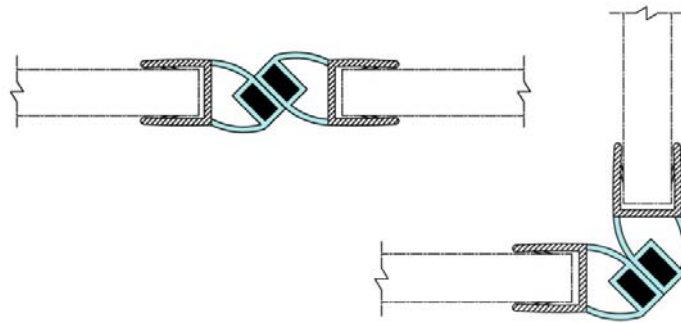
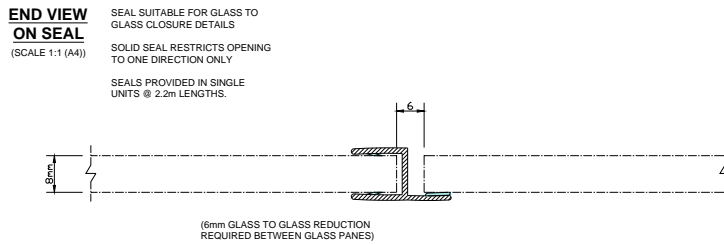
Bottom seal has two fins & a deflector see detail below



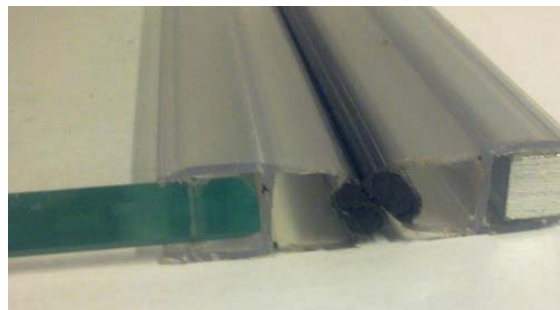
The hinge side has a flexible fin see below, jamb side to a wall has central fin.



The jamb side has a rigid backing for the flexible fin to prevent the door from moving in both directions, it can be installed on the door or the jamb panel depending on personal preference. Or we use the magnetic seal which has half on each panel.



Seal wall attachment needs to be drilled and screwed to wall then seal can slide on.



Care & Maintenance

The glass is to be cleaned using only non-abrasive cleaners, sprays & foam cleaners are recommended or the use of a detergent to release soap deposits, warm water is to be used to rinse off after cleaning. The glass will keep its finish if wiped down after each use, a window cleaning blade is ideal for this as it removes all remaining water.

The hardware is either stainless steel or chrome / satin nickel plated brass depending on model. Never use caustic products for cleaning as it will tarnish & spoil the original finish. Should these items become contaminated use chrome cleaner on a soft cloth to restore the original shine. Abrasive cleaners should be avoided as these will spoil the finish.

The seals may in time become discoloured or damaged.

These are replaceable items & can be replaced by pulling them free from the glass. Replacements are readily available for purchase from our website www.spiralhardware.co.uk

As previously mentioned toughened glass cannot be planed, cut or drilled etc and with any attempt **IT WILL SHATTER!!!!**

Should you hang anything from door knobs / pull handles / tie-bars etc beware of any hard and sharp objects such as belt buckles, loose change, keys etc that could swing into the glass edges causing the glass to chip or even smash.

Do **NOT** allow children to swing on doors or tie-bars.

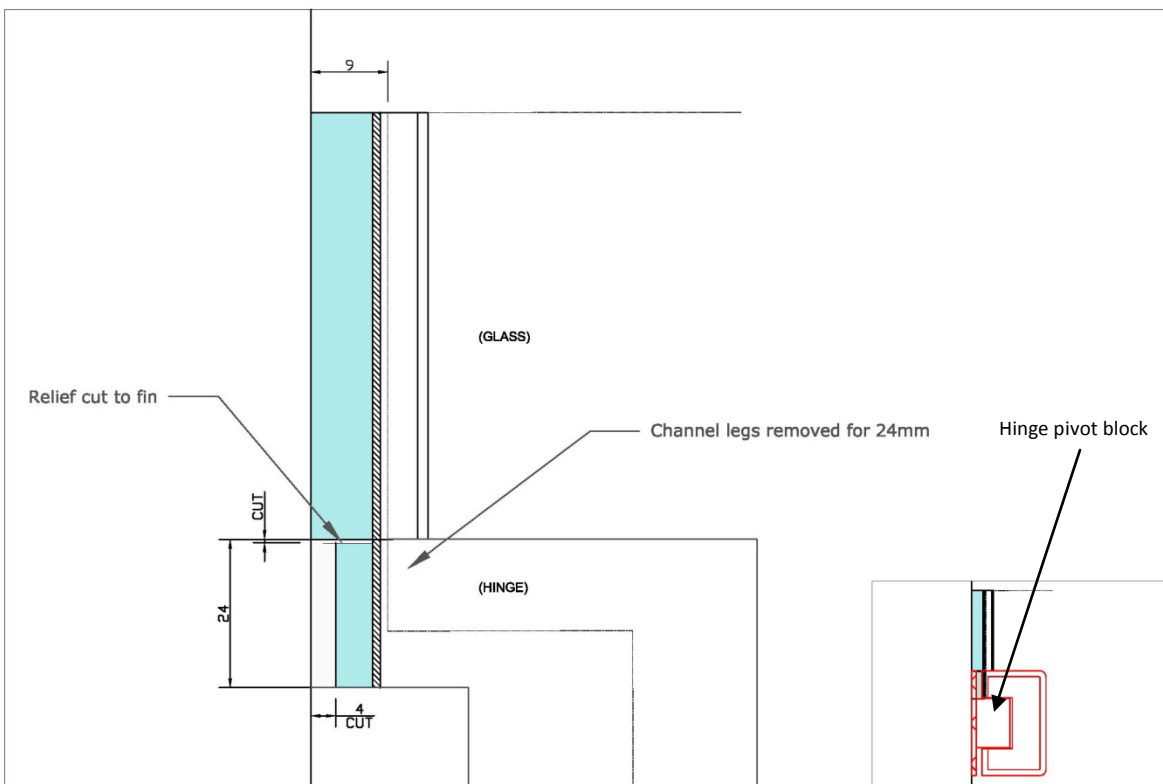
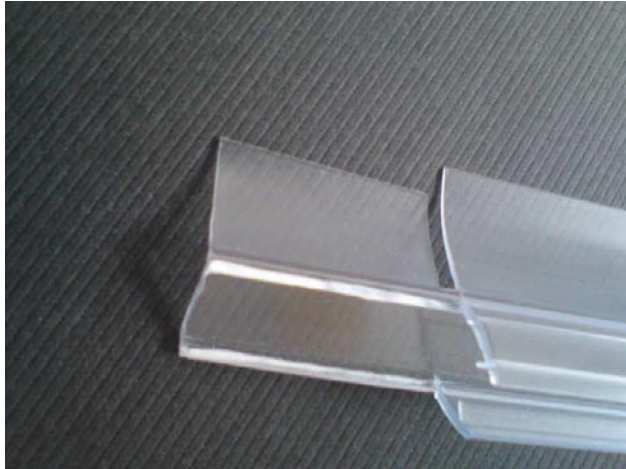
Please retain all supplied Allen keys etc and periodically check / tighten bracket and hinge clamping screws.

Ensure no part of the glass is in contact with a hard surface once installed; glass will expand and contract with alternating room temperatures and exposure to direct sunlight which may cause **exploding** with excess pressure on glass edges.

Seal Detail

The seal can be cut around the hinge blocks.

Once the door is installed you need to measure from the top edge of the glass to the hinge pivot block and cut this length off of the seal. Then measure from the hinge pivot block up to the top of the hinge itself, this is the distance you need to take off of the channel legs that slip onto the glass (in the case of the SH/APH/H01- H03 and H09 it is 24mm). At the same point make a relief slit into the fin, finally on the short piece of fin that sits on the fixing plate a 4mm section needs to be removed to allow a flush finish.



Follow the same process for the bottom hinge, making sure the (S05) seal is the right way round when cutting (fin on the inside).

For the mid section measure from the underside of the top hinge pivot block to the top side of the bottom hinge pivot block, the process is the same from this point.

In the case of inline glass to glass hinges (e.g. SH/APH/H02 etc) a bubble seal (S03) is used instead of a fin seal but the process is the same, except the bubble does not need cutting to form around a fixing plate. See diagram below.

NOTE: The length removed for the channel legs will vary depending on the hinge style, the length of 24mm is for the APH hinge style shown.

