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## Spiral Hardware Sliding Glass Door System

The system is supplied as a universal kit that includes all parts required to suit mounting between two walls.

Note: the door has to overlap the side panel by a minimum of 50mm to enable the floor guide to be concealed. Therefore, the maximum opening size possible will only ever be half the overall width less 50mm.

Basic skills & tool kit are required.  
Never tackle a job if you feel unsure  
Beware the glass is heavy & fragile.  
If in doubt, ask Sprial.

### WARNING !

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

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.

Before commencing installation please ensure you have:

- Safety glasses and gloves while handling the panels
- Drill with masonry drill bits, correct diameters to suit fittings
- Glazing paddle / glass suckers for positioning panels
- Spirit Level
- Screwdriver with pozi-drive bit
- Allen keys various sizes
- Pencil, Masking Tape
- Hacksaw for cutting channel if required
- Tape Measure
- Alternative fixings for substrate if required
- Plastic glazing packers and high modulus bathroom sealant
- SHARP Stanley knife or equivalent and ideally gasket shears.

1) Using a square to ensure the base channel is perpendicular to the wall and with the fitting centres no more than 300mm apart, screw or glue the channel to the tray/floor with a bead of silicone down the back.

2) Attach the brackets to the fixed panel.

3) Place two 4mm plastic packers into the channel onto which the glass will rest.

4) Place the fixed panel into the channel, with the brackets against the wall.

5) Using a spirit level to ensure the fixed panel is perfectly plumb, mark the screw holes in the brackets onto the wall with a pencil.

6) Remove the fixed panel and drill the wall and insert plastic plugs.

7) Place the fixed panel back into the channel and line up the holes in the brackets with the drilled holes in the wall, checking once more that the glass is perfectly plumb. Screw the fixed panel to the wall.

8) Attach the support SH/SDH/TS1 to the tube (the support is attached to the tube by first unscrewing the clamp and screwing the support to the tube, then replacing the clamp). Note: as seen from outside the shower, the tube support and tube should connect smoothly. The picture in fig.1 shows the tube support attached to the tube as seen from outside the shower.

9) Insert the tube into the wall sockets, such that the covers are free to move along the tube, and the tube connectors are firmly inserted into the ends of the tube.

10) Hold the tube with wall sockets attached above the fixed panel such that the glass is held inside the tube support clamp (it may be necessary to loosen the screw on the tube support for this), using a 1mm packer to protect the top edge of the glass.

11) By rotating the tube connectors, adjust the wall supports such that they are pushed against the wall. Using a spirit level check the tube is level and then mark on the wall the screw holes for the wall sockets.

12) Loosen off the wall sockets, remove the tube to drill the wall and insert the plastic plugs.

13) Return the tube to its position and screw the wall sockets to the wall, adjusting the tube connectors as necessary. Tighten the screw on the tube support clamp, not forgetting the packer to protect the glass edge, and slide the covers out to the walls (a dab of silicone will hold these in place if needed)

14) Remove the anti-lift pins (see fig. 2) from the door rollers, and fix the door rollers to the sliding door panel. **The door must be horizontal/flat whilst the rollers are being attached.** The bottom connector is adjustable, and is held by a free moving threaded cylinder inside the roller. The bottom of the roller can be unscrewed and removed to allow access to the cylinder if necessary (see fig.2). The anti-lift pins can be discarded, as they are not needed due to the anti-lift top tube.

15) Standing it on packers, hang the door from the tube, such that the door is behind the fixed panel, as seen from outside the shower.

16) By adjusting the thickness of packers used, raise the door so that the top edge of the door is in line with the top edge of the fixed panel. Ensuring the door is level and plumb now adjust the rollers such that this will be the new hanging height of the door.

17) Remove the packers. The door should stay in the same position, the top edges of the glass remaining level. Take the door off of the tube, and leave aside for now.

18) Bond the floor guide on to the tray so it slips over the base channel & under the fixed glass panel, See fig.3

19) Now cut and fit the seals, the seal on the door should face the fixed panel and the fixed panel seal should face the door. The bubble seal should be attached along the closing edge of the door, with the fin to the inside of the shower. The plain plastic channel needs to be fitted at the bottom of the door as this runs through the floor guide.

20) Replace the door onto the tube, lowering it into the floor guide and check once more that the top edge of the door glass is level with the top edge of the fixed panel.

21) Attach the top (undrilled) tube to the existing tube using the tube clamps at either end. The exact positioning of the clamps can be adjusted to control how far the door will open.

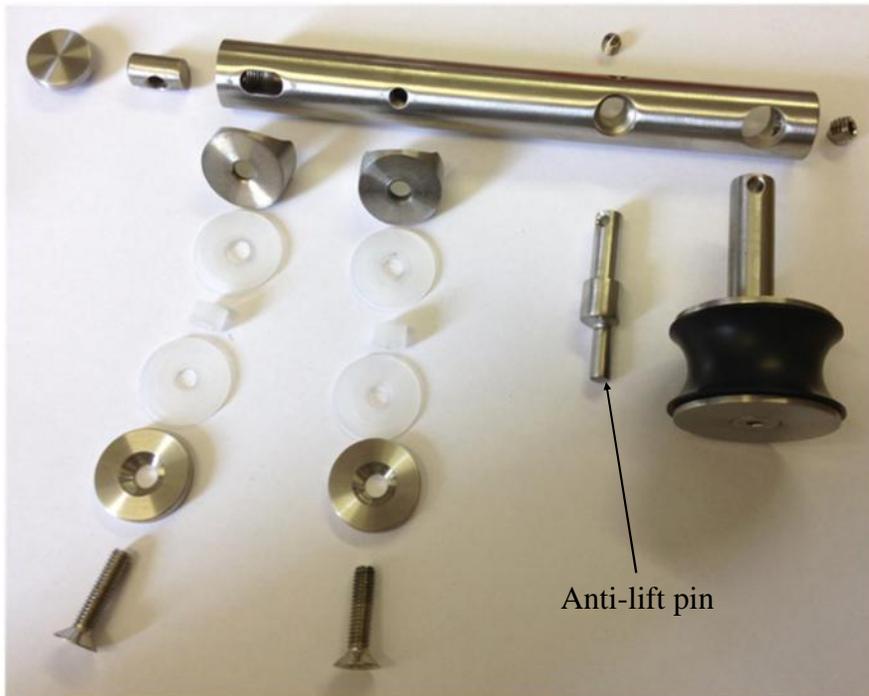
22) Insert the finger pull insert in to the door **this prevents your fingers from being trapped when the door is opened.** The blank side should face outside the shower.

23) Now measure the gap between the end of the fixed panel and the wall (door opening side). The threshold channel has been pre-cut to be 5mm to 10mm greater than this dimension, however trim if necessary, offer it in to place to make sure it will fit, it needs to register in to the floor guide. If okay, apply a bead of clear high modulus silicone to the underside of the threshold and fit in place. Now place on the floor and press down to bond it to the base/floor, it needs to run in-line with the fixed glass (see fig.3). The clip in section can now be measured to fill in the channel between the glass & the wall, cut to size & clip in place. To finish the job silicone seal around the fixed side of the floor guide.

Fig. 1 Tube Connector fitted to tube, as seen from outside the shower.

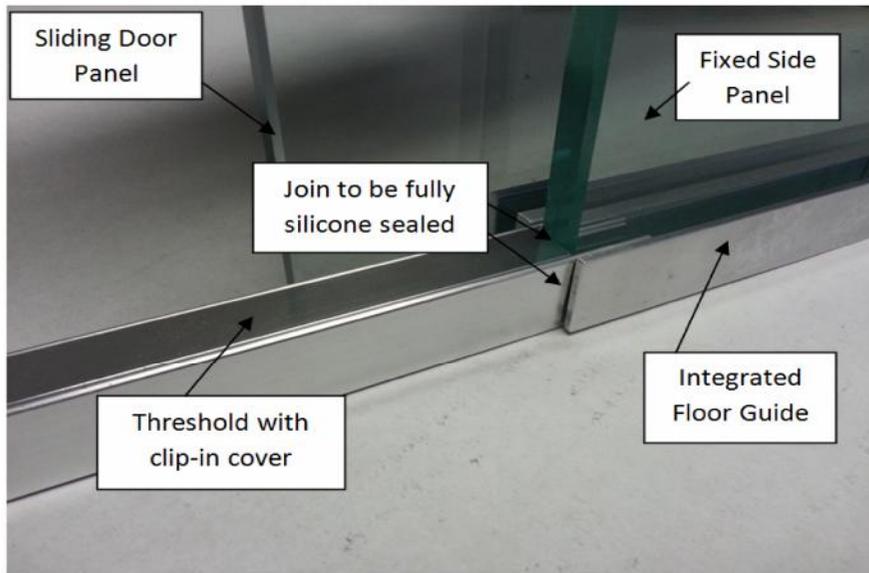


Fig. 2 The Door Roller in exploded view.



Anti-lift pin

Fig.3 Integrated Floor Guide



Pictures of Components

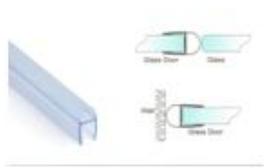
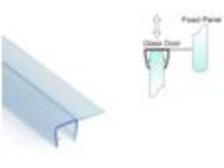
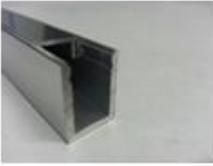
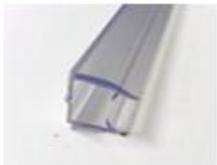
		
SH/APH/T06 Tube x2	SH/SDH/WS01 Wall Socket x2	SH/SDH/TS1 Tube Support
		
SH/SDH/FP2 Finger Pull Insert	SH/SDH/DR01 Door Roller x2	SH/SDH/FG2 Floor Guide
		
SH/SDH/TC1 Tube Clamp x2	SH/GGA/S16 Bubble Seal	SH/GGA/S12 Glass to Glass Seal
		
SH/GGA/C32 Glazing Channel	Threshold Section with clip-in cover	SH/GGA/S17 Bottom Door Plastic Channel

Fig.4 Completed view showing all sliding components in place

