
SPIRAL SLIDING
DOOR SYSTEM
Spiral
HARDWARE

Spiral Hardware Sliding Glass Door System

The system is supplied as a universal kit that includes all parts required to suit;

1. Mounting between two walls
2. Ceiling fitting (own fixings to be supplied)
3. Face wall fitting, when used as a partition system
4. Showers, Partitions, Internal Doors, Sliding Hatches, Wardrobes

Suitable for 10mm toughened glass only!

The maximum door weight is 45Kg!

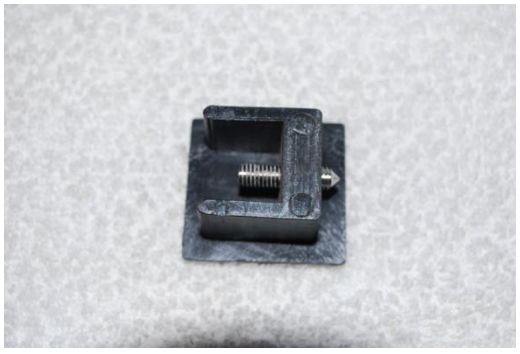
This is equivalent to a door 2000mm X 900mm

The door has to overlap the side panel by a minimum of 50mm to enable the floor guide to be concealed & allow the seals to form a labyrinth.

Component Parts

Track to Wall Support Bracket X 2

End Cap for wall or ceiling mount X 2



Track Rollers X 2

Tee Nut X 2

Wall Support Bracket X 3

Track Roller Stops X2

Floor Guide for door X 1

Fixed Glass to Track Fitting X 2

The kit consists of

One length 2000mm Track (Natural anodised aluminium or Satin Nickel finish)

One floor guide

Two 90° Seals (if applicable)

Two track door rollers

Two track to wall mounting brackets, with #10 X 2” Pozi Pan screws & plastic plugs

Two track roller stops

Two glass to track Tee nuts with glass isolation washers & cylindrical bolts (if applicable)

Two track end stops

Three track to wall mounting brackets with 6 No M8 X 12 Button head screws & half nuts for ceiling mounting (if applicable)

NOTE

The maximum opening size possible will only ever be half the overall width less 50mm

Glass calculations

The glass will need to be drilled & notched in accordance with the technical details, if not included are available for download from our website or by request.

This **MUST** be done during manufacturing prior to toughening.

WARNING !

TOUGHENED GLASS CANNOT BE ALTERED ONCE TOUGHENED, ANY ATTEMPT TO CUT / DRILL WILL CAUSE IT TO IMMEDIATELY SHATTER !!!

Preparation

Wall to Wall fitment – Door and Side panel

1) Measure the wall to wall distance and cut the track 1 mm shorter, this is to allow a clearance as the track is to be used for setting out.

2) Drill the top of the track both ends using an 8.5mm drill bit as shown on the detailed drawings (or where ceiling rafters are with hole for appropriate fixing if ceiling mounting); next drill the track sides as detailed on the glass to track detail.

3) Insert the two Tee nuts and hold in place using the foam pads, note the Tee nut must engage correctly in the slot shown below.

4) Place the track on the glass, remember to use the isolation washers then fit the circular glass bolts again make sure the isolation washers are fitted.

5) Stand the glass up with the track attached and offer in to the opening, be sure to stand the glass on 7mm isolation packing in two points approx 100mm in from each end, position the glass in the desired position and using a spirit level place the glass so it is perfectly upright.

6) Mark round the track with a pencil to identify the connection point with the wall each end. If you are using channel section at the base & wall mark the position of the glass on the wall & floor to serve as a guide for securing the channels.

7) Move the glass out of the way and using a small off cut of track 50mm is an ideal length or the template supplied place over the pencil silhouette and mark the fixing point for the support bracket each end. Drill the wall & insert the plastic plug, then secure the angle brackets each end. Secure the channel sections to wall & base at this point in time.

8) Now insert the first of the roller stops from the track end the door will be hung from, make sure the ramp is facing the door end, slide along and place it about 50mm from the end tighten the screw until it is secure, not too tight as it will need to be positioned exactly a bit later on, now insert the two track rollers followed by the other roller stop facing in towards the rollers.

9) The track is now ready to be lifted in to place and placing on the angle brackets. If channels are being used the glass will need to be separated from the track to allow this.

10) Secure the track using the supplied M8 button head screws, place 5 to 6mm of isolation packing in to the bottom channel in two places about 100mm from each end to ensure the glass does not sit on any screw heads. Lift the glass in to place & slide across in to the wall mounted channel, make sure it is kept clear of any screw heads by bonding a couple of packers in the channel re-fit the button fixings to secure the fixed glass panel.

11) Now fit the floor guide flush with the end of the fixed panel so it is just touching the edge of the channel.

12) Now separate the roller support clamps & lift the door in to place, a valuable tip is to place 10mm to 12mm of packing under the door glass during this process, re-fit the clamp plates, the glass will find its own place when the packing is removed this may need to be adjusted using the adjustment provided on the roller support studs to get the glass to hang at the right height and parallel to the wall.

13) Each full turn of the adjuster will alter the height by 1.25mm up or down.

14) Setting the roller stops must be carried out to prevent the glass crashing in to the walls, this is done by releasing the grub screw, sliding to the desired position then tightening up, the stops serve to hold the door open or closed.

15) **If you are using the door without the finger pull insert make sure the stops prevent your finger from being trapped when the door is opened.**

IF APPLICABLE:

16) 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.

17) Now measure the gap between the end of the fixed panel and the wall (door opening side) cut the threshold strip 1mm less than this dimension, offer it in to place to make sure it will fit, if okay apply a fat bead of clear high modulus silicone to the underside of the threshold in the relieved section, 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.