

Making and Fitting your Sliding Patio Door Screen – Kit 007.1 & 007.2

Thanks for choosing our screen system.

We double check all orders before despatch, but we would ask you to check that all the components have been received as listed below. If any items are missing please call us on 01628 481919

If you are unsure at any stage please contact us. We are always happy to help.

Contents

Door frame:

2 x long lengths
2 x short lengths



Door clips and grub screws x 2



Door corners x 4



Door wheels and screws x 2

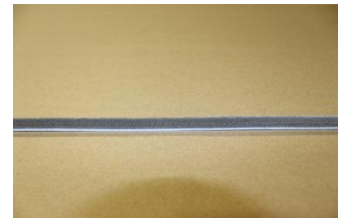


Track:

2 lengths of Z track
or 1 no. U & 1 no. L
as per your order



Pile seal



Mesh roll



Spline



Spline tool



Screws

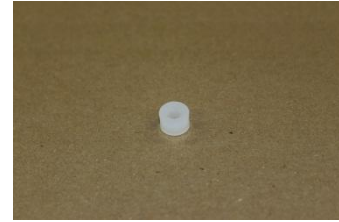
10 x track screws
8 x corner screws



Tool Kit:
2.5 mm Drill bit
Pozidrive 1
(magnetised)
Allen key



4 x stoppers if Z
track option was
chosen

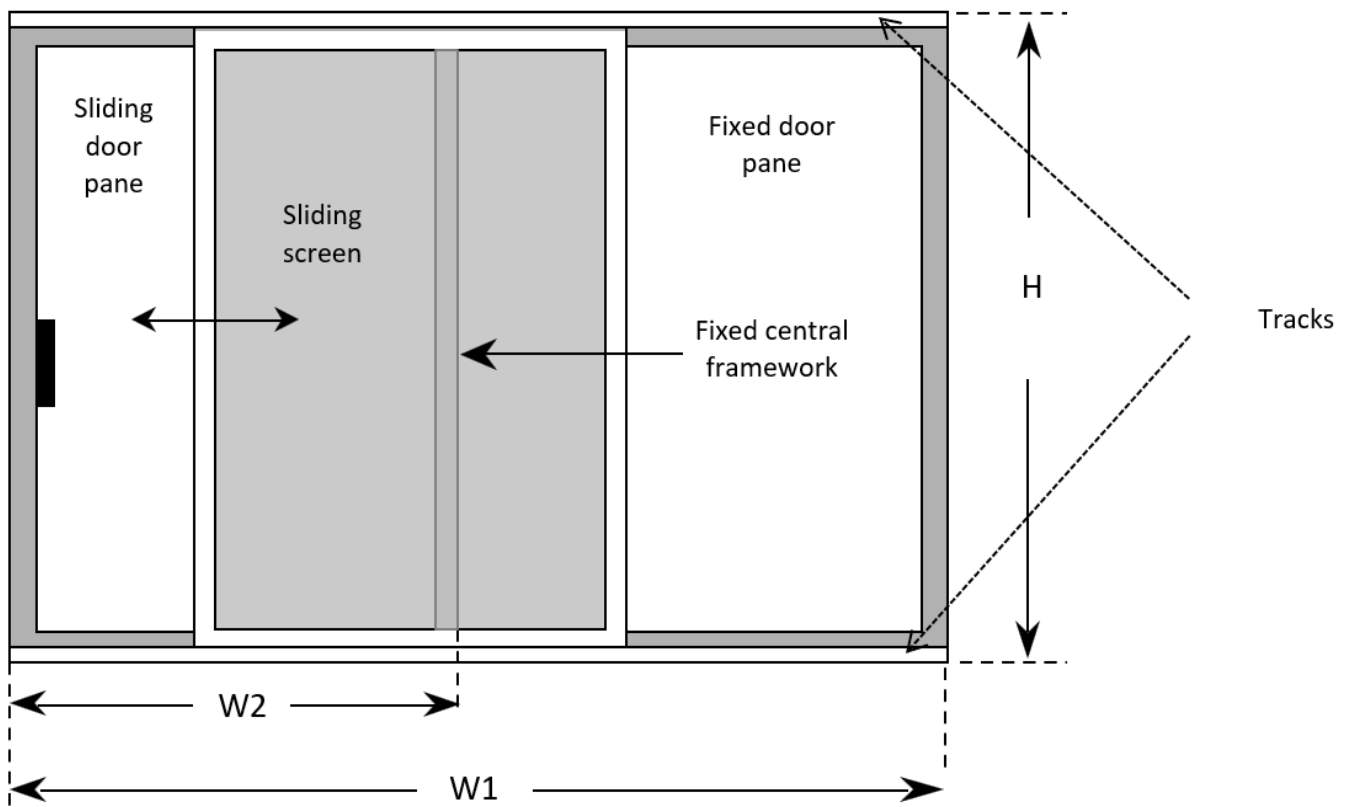


Tools required

- Tape measure & pencil
- Spirit level
- Scissors
- Stanley knife
- Hacksaw and mitre box or mitre saw
- Manual or power drill
- Drill bit – suitable for drilling aluminium – 2.5mm (**provided**)
- Magnetised Pozidrive 1 screw driver bit (**provided**)
- Allen key 2.5mm (**provided**)

Overview

Your screen system consists of a single sliding screen which slides on a top and bottom track fitted either directly to the face of your door frame or to the floor and ceiling of your door reveal - as per the diagram below.



The glass sliding patio door is usually on the outside as you look from your room. This means that the screen door will be installed on the inside of the room, however the system is weatherproof and can be installed on the outside if this is not the case.

Does your patio door have a handle or a pane that protrudes beyond the larger frame around the patio door? If so, go first to the “Handle and Pane Protrusions” page at the end of these instructions for the solution.

Step 1 – Measuring and fitting the tracks.

Z Tracks – Face fitted option

You will have now determined your track mounting surfaces, which in many cases, will be the frame of the patio door casement itself.

As per the diagram on the previous page the tracks will be fitted above and below the sliding/fixed door panes.

- Measure the width (W1) and cut each track to this length.
- Fit the top track with the ‘long tail’ pointing downwards and furthest away from the frame, Use the No 4 $\frac{3}{4}$ ” screws provided. Ensure the track is level
- Repeat for the bottom track but with the ‘long tail’ pointing upwards.

Top track



Bottom Track

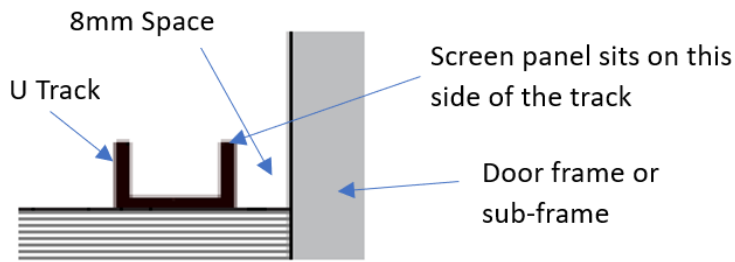


Note: If the track does not butt up to a wall/frame you can use the stopper provided. Insert the stopper between the tail of the track and your frame and secure with the end screw in each case.

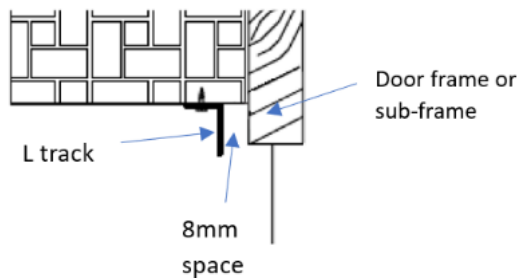
U & L Track – Reveal fitted option

The U track will be fitted to the floor and the L track to the ceiling of your reveal. It’s important to remember that although you are reveal fitting, the seal is still created between the sliding panel and your door frame so the tracks need to be positioned accordingly. The tracks must also sit one directly below the other so that the panel is straight when fitted.

- Measure the width (W1) and cut each track to this length. This may be a different measurement for each track if you have a skirting board or similar present.
- To fit your tracks in position:
 - U track – position the back edge of your track on the floor 8mm from your door frame. Fit to your floor through the middle of the track using the No 4 $\frac{3}{4}$ ” screws provided. See drawing on next page.



- L track – Fit with the longest edge of the track (20mm) protruding downwards, positioned 8mm away from your door frame. Fit to your ceiling recess through the shorter side of the L using the 5, 4 ¾ “screws provided. See drawing below.



Step 2 – Measuring and cutting the screen door frame

- Measure (H) as per the diagram on page 2, i.e. from the **very top of the top track** to the **very bottom of the bottom track**.
 - **For Z tracks** - Deduct 40mm from this measurement to determine your cut size, e.g. if H = 2040mm the cut size is 2000mm.
 - **For U & L tracks** - Deduct 15mm from this measurement to determine your cut size, e.g. if H = 2040mm the cut size is 2025mm
- Measure (W2) as per the diagram above i.e. from the start of the door frame to the outer edge of the centre bar. This will be your cut size i.e. width of your screen door.

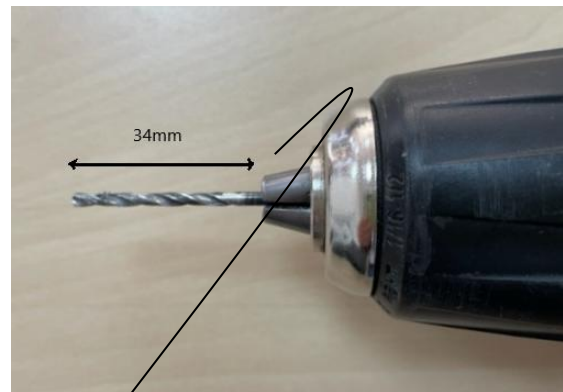
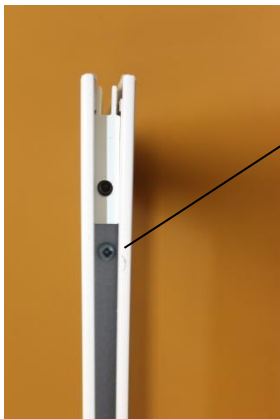
Note : One of the short (horizontal) door frame pieces has a series of holes on the back face which are for fitting the wheels in place. Measure out from the centre of this frame piece to ensure these holes are equidistant when the frame is assembled.

- Cut the four frame pieces to your cut size with a 45 degree cut making sure that when the frame is assembled, the deep U shaped channel will be running around the inside. See below.

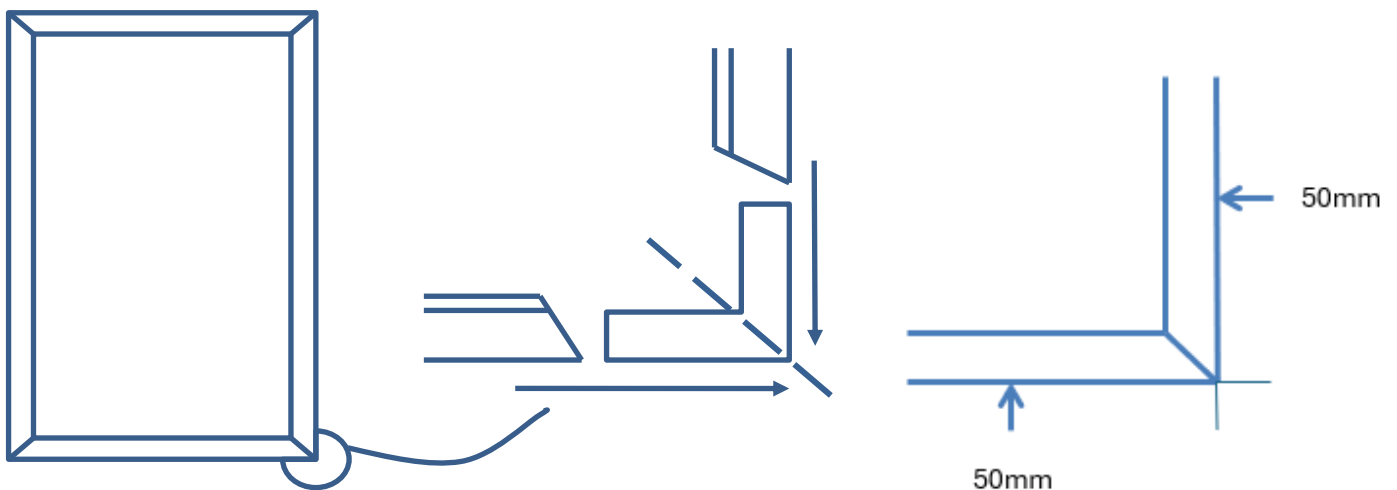


Step 3 – Assembling the screen door frame

- The horizontal frame piece with the holes on the back face is the bottom of your screen. The deep U channel faces your patio door.
- Slide one door clip into the outer chamber on each of the vertical frame pieces with the two prongs facing the top of the screen (these clips locate onto the top track when the screen is fitted)
- Ensure the door clips are right at the top of the screen before inserting the corner screw i.e. the screw head should be below the bottom of the door clip.



- Lay the screen flat (on a table, bench or the floor)
- Insert each of the metal corners into the frame pieces and push the frame together.
- Pull and screw each corner together as follows:
 - Insert the 2.5mm drill bit into your drill ensuring the length from the tip of the bit, to the point at which it enters the jaws is exactly 34mm. **This will prevent the drill bit from going too far into the screen frame.**
 - Drill a hole through the edge of the frame 50mm from the tip (see drawing below). You will feel the bit penetrate the skin of the frame and then reach the corner. Stop drilling once the jaws are 1mm from the edge of the frame.
 - Insert and screw home a No. 4 3/8" corner screw using the Pozidrive 1 drill bit.
 - Repeat until all corners are secure.



Step 4 – Fitting the mesh



- Lay your frame down on a hard flat surface with the channel facing upwards.
- Unroll your mesh and lay it over your frame.
- Cut a piece from the roll which is about 40mm bigger than the screen on all 4 sides.
- Meshing with some of the thicker meshes is a little tougher and you will need to apply pressure to push the mesh and spline into the channel.

- Position the longest side of the frame closest to you, this is the side you need to start with. The aim is to get the mesh as straight as possible on the first 2 sides.
- Try to keep the weave of the mesh in line with the frame, use the concave end of the spline tool first to locate the mesh into the channel.
- Holding the spline tool in one hand and the spline in the other, start to roll the spline down into the channel. Try to keep to one smooth continuous movement.
- When you reach the end of this side, turn the spline tool around and use the convex end to push the spline home.
- Turn your screen around to work on the second side. Loop the spline around the corner leaving a little slack in the loop.
- Then mesh the 2nd side as you did the first.

- When the 2nd side has been completed go back to the corner and using a flat headed screw driver or the end of a pair of scissors push the spline down into the corner.
- Continue in this way around sides 3 & 4. The mesh will naturally start to tension at this point. Try not to over tension as this will bow the framework.

Tip: If necessary you can put a couple of heavy books in the middle of the screen to reduce the tension as you mesh.



- When you reach the end of the 4th side cut the spline with a pair of scissors and push the end down into the corner.



- Using a sharp Stanley knife, held at 45 degrees over the spline, start to cut the mesh against the outer edge of the frame. Use a smooth continuous movement and ensure your other hand is behind the knife in case it slips. Run the cut into the corner.
- Turn the frame as you cut each side.
- When finished you can run the convex edge of the spline tool round the screen one last time.

Step 5 – Fitting the wheels

Locate the two outer most holes on the back face of the bottom (horizontal frame) and fit the wheels as follows:



Step 6 – Inserting the pile seal

The pile seal slides into the small outer receiving channel on both frame verticals. Insert at one end, feed through to the other end and cut to length.



Step 7 – Fitting the screen door

- Position the screen door with the spline/channel facing your patio door and the wheels at the bottom.
- Insert the top of the screen onto the top channel and lift upwards until there is enough clearance to rest the bottom of the screen on the bottom channel.
- Let the screen door rest on the bottom channel and test to ensure it rolls smoothly.
- Push the door clips up so they also locate onto the track then tighten the grub screws to hold them in place.
- Check again to ensure the screen rolls smoothly.

YOUR INSTALLATION IS COMPLETE

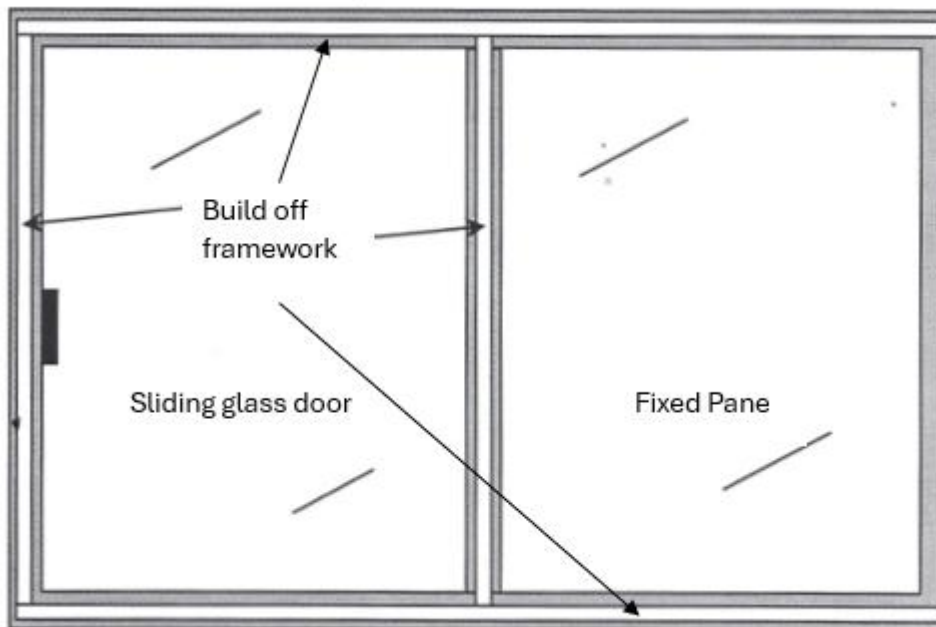
Door Handle and Fixed Pane Protrusions

Some patio doors have handles and/or fixed pane framework that protrudes beyond the outer frame of the patio door. These will cause an obstruction to your sliding screen panel.

Solutions:

- In the case of a protruding handle, it's sometimes possible to replace this with a smaller option.
- For a protruding pane, fix a framework to 'build off' the outer framework to 3 sides and bring it level with the fixed pane.

If the handle still causes an issue when this is in place, you will need to build out further and include the middle vertical too. The depth of the framework depends on the depth of protruding pane / handle but the end result needs to give you a flat surface around the door as per the diagram below. You can use lengths of wood, finished to your required colour, PVC or aluminium



We can supply a selection of white PVC lengths that may be suitable for your situation. If you would like to discuss or need any assistance please call us on 01628 481919