

Making and fitting your Double Sliding Door Screen – Kit 020.1

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.

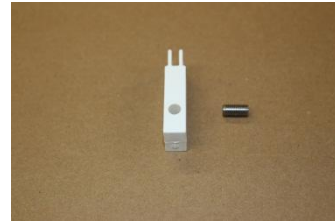
Kit Contents

Door frame:

4 x long lengths
4 x short lengths



Door clips and grub screws x 8



Twin track:

4 lengths



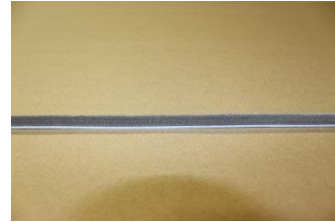
Door wheels and screws x 4



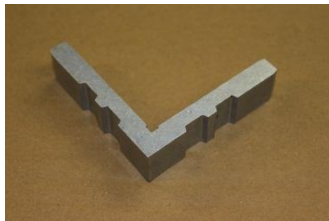
Door corners x 8



Pile seal



Track corners x 4



Spline



Spline tool x 1



16 x 3/8" corner screws for doors



Mesh



Tool kit:
2.5, 3.5 & 8mm
drill bits
Pozidrive 1
(magnetised) bit
2.5mm Allen key



Track fixings:
Screws
1½" for face fit
1" for reveal fit



Track fixings:
8mm cover caps
and rawl plugs to
match no of screws

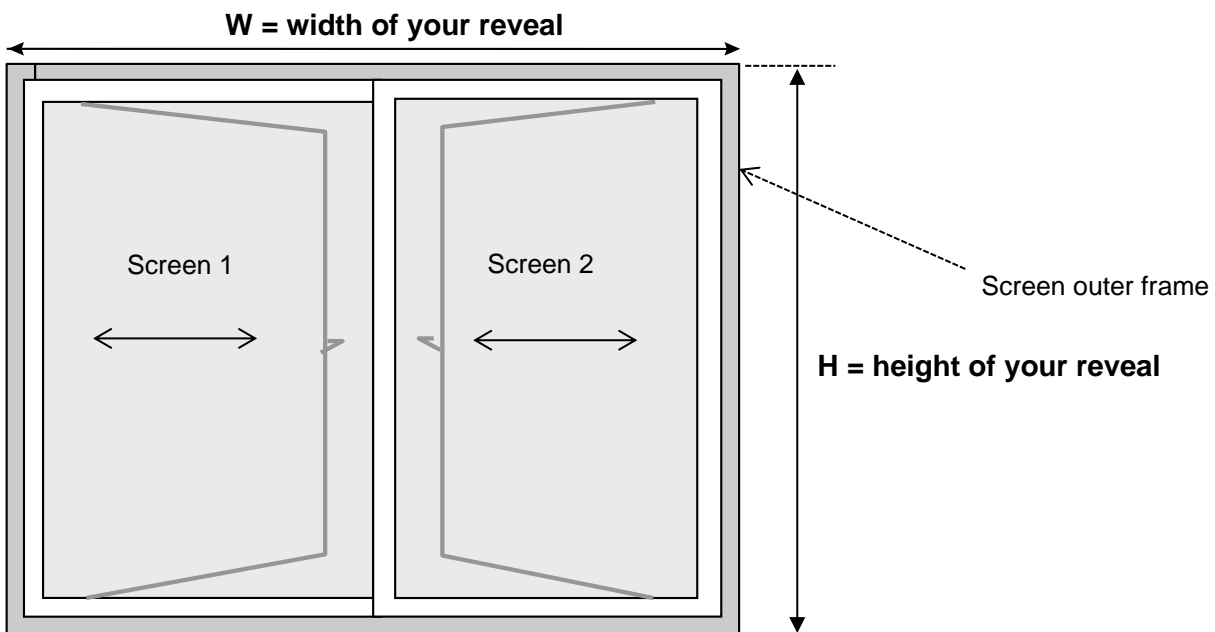


Tools required

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

Overview

Your screen system consists of two sliding screens which fit into an outer frame. The screens slide past each other and overlap in the middle to ensure a seal. The frame/system can be either reveal fitted to the reveal walls or face fitted to the door frame.



Step 1 – determine where your screen system will be fitted.

Assess your specific installation needs, in particular, determine which surfaces you will be fixing the frame to.

- This system is usually reveal fitted i.e. the surrounding outer track is fitted down to the floor, up to the ceiling and sideways into the reveal walls. Position the system in front of your door handles so they do not cause an obstruction.
- The system can also be face fitted (i.e. straight to the door frame) as long as there is a continuous smooth surface all around the frame and the door handles do not interfere with the operation of the screens.

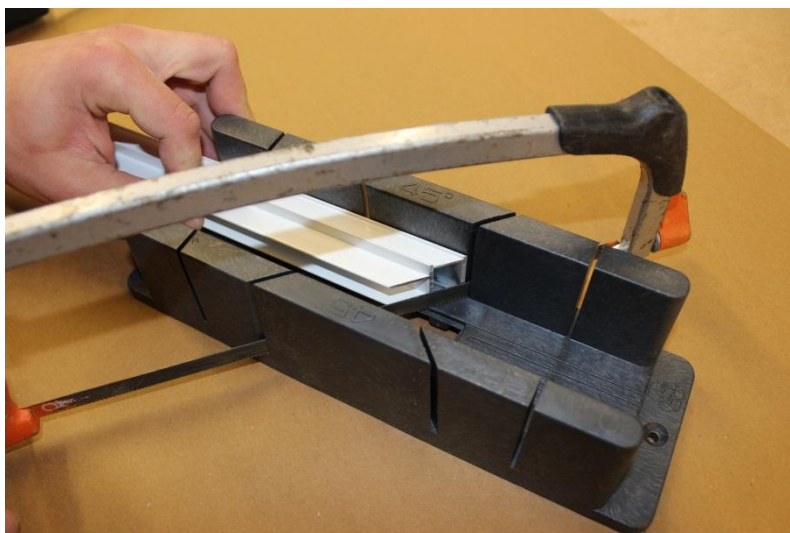
Assess which method of fitting best suits your requirements.

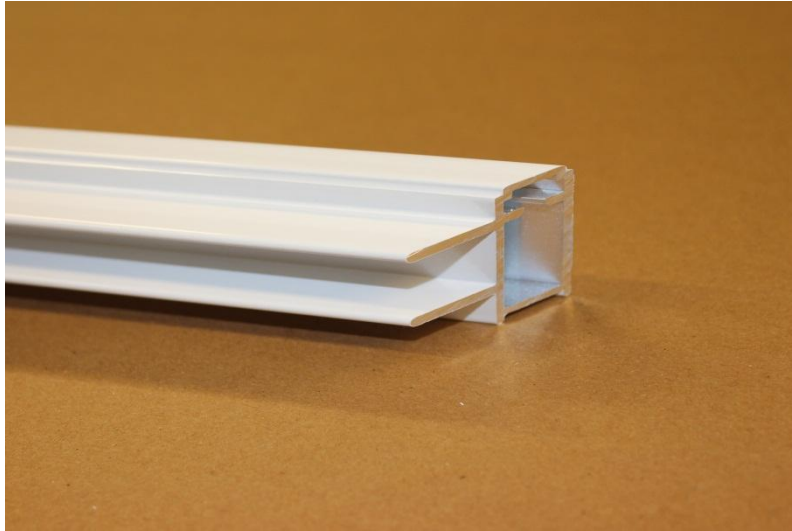
Step 2 – Measuring, cutting and assembling the tracks/outer frame.

The first step is to create the outer frame using the twin track. This is made from two vertical lengths and two horizontal lengths joined together with the 4 track corner inserts.

- Measure the width (W) as per the diagram and cut two tracks to this length each with a 45 degree mitre cut at each end. Follow the direction of cut as shown below. Repeat for the (H) height measurement.

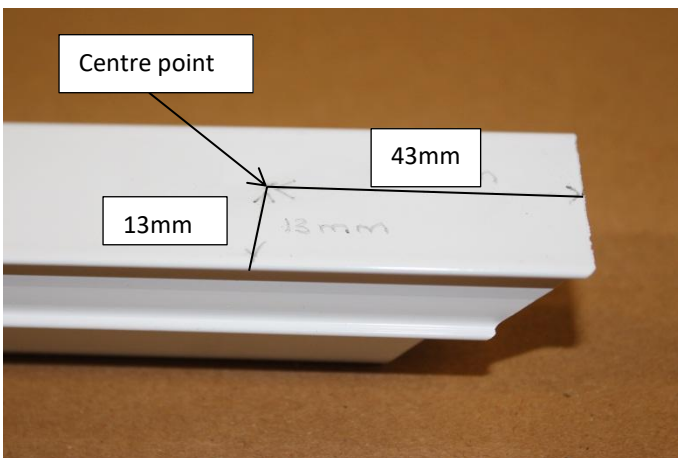
Note: The finished outer track (frame) must be true. If you have variations in your measurements from ceiling to floor and/or wall to wall take the smallest measurement and use this for your cut size. This will ensure the frame will fit into the reveal once assembled.





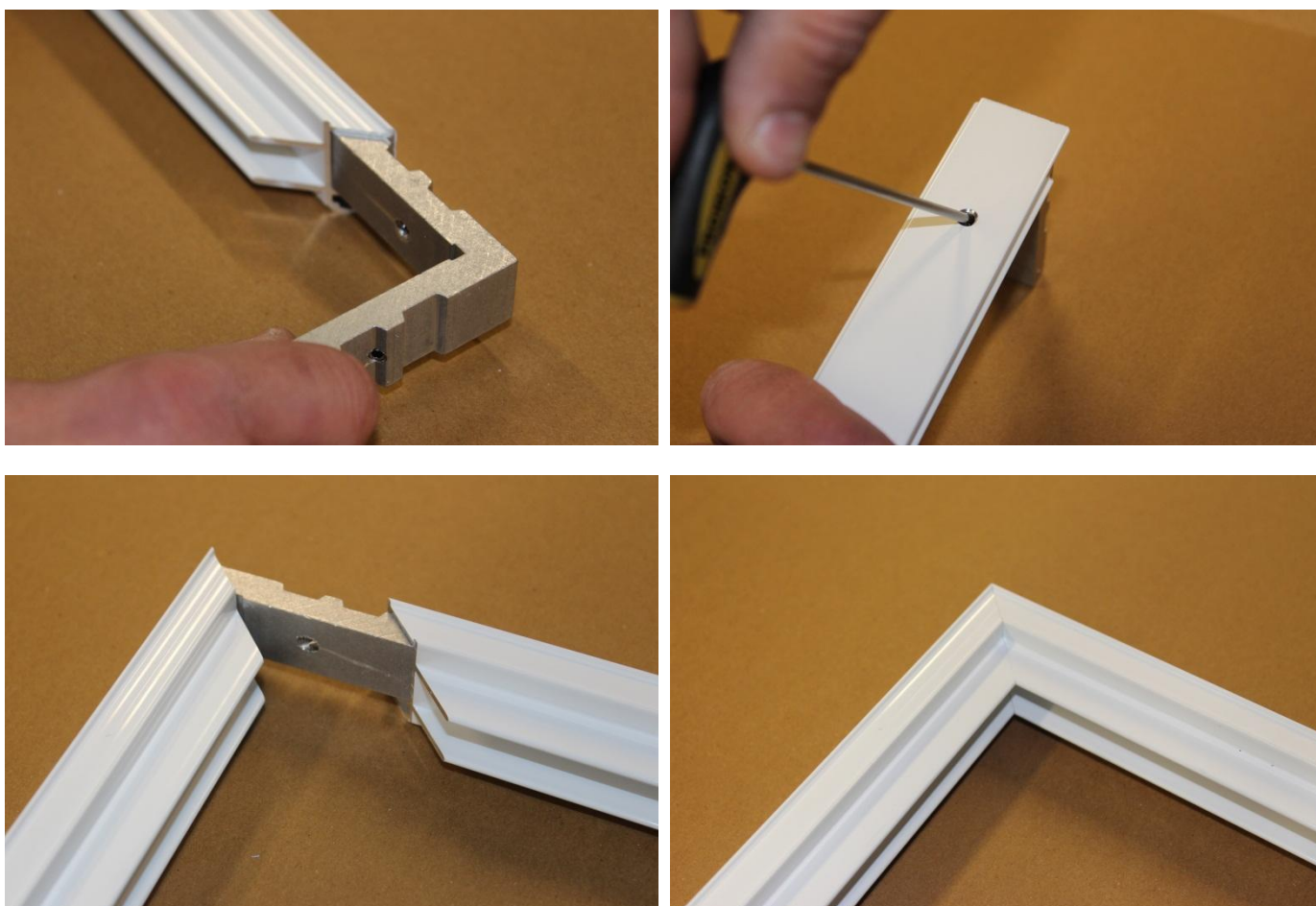
- On the ends of each track length drill a hole through the back face only (first skin) using the 3.5mm drill bit. The centre point of the hole should be positioned 43mm from the end of the track and 13 mm in from the edge as shown on the next page.

Note: When measuring, ensure the track is positioned so that you are measuring in 13mm from the face with the two ridges rather than the smooth face.



- Once all 8 holes are drilled, insert the corners into the track ends and draw the lengths together to form the outer frame. Work round each corner, pulling the corner together at the tips then tightening the grub screws with the Allen key as shown below.

Note: If the corner does not slide in easily use a mallet to tap it in.



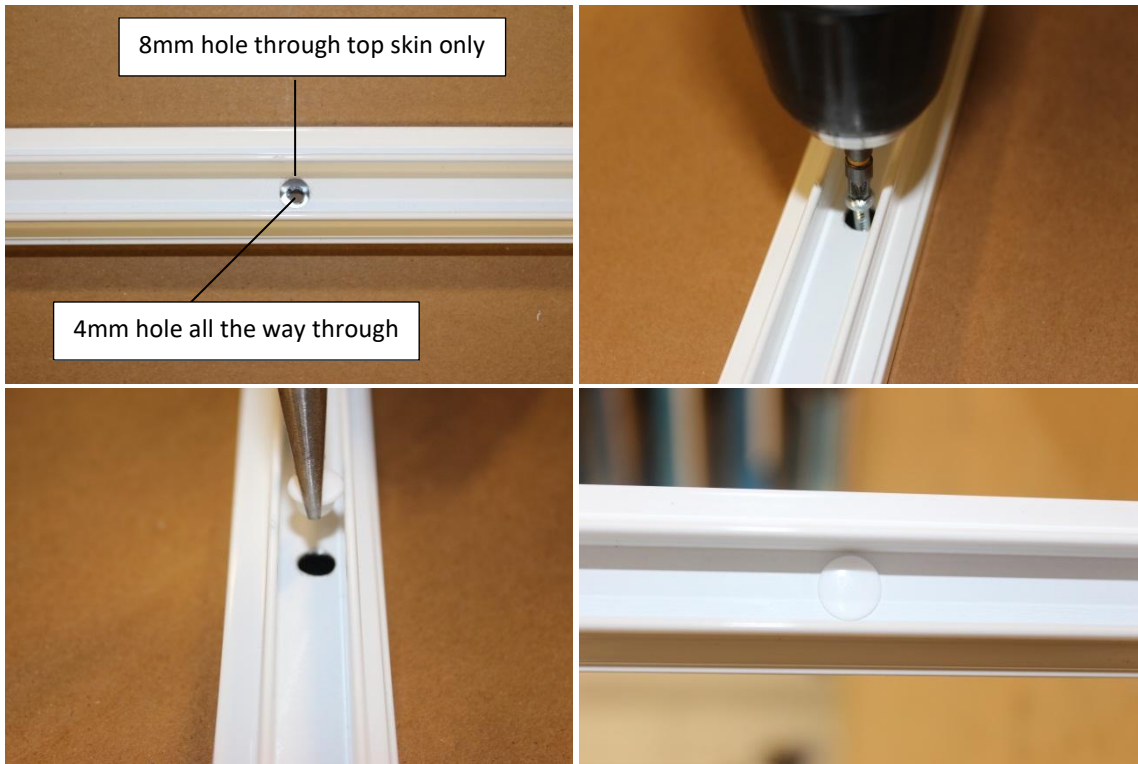
Step 3 – Fixing the tracks/outer frame.

Reveal fit

Fit the tracks/outer frame in place with 4 screws along each length, two about 100mm in from each corner and the other two equidistant along the length. Ensure the face with the two ridges faces inwards i.e. towards your door and that the whole frame is square.

- Use the 3.5mm bit to drill a hole right through the channel
- use the 8mm bit to drill a hole through the first skin only
- Fix using the 1" screws (use Rawl plugs if necessary)
- Cap the hole with the 8mm cap supplied

Note: *If your reveal is not square first fit the track/outer frame at the bottom, ensuring the track is level. The key is to keep the track/surround true rather than trying to 'mould' it to the shape of the reveal. Secure fixings where the track naturally touches the reveal walls and use packing where necessary to keep the track/outer frame true. Once fitted seal any gaps with acrylic sealer.*



Face fit

Fit the tracks/outer frame in place with 4 screws along each length, two about 100mm in from each corner and the other two equidistant along the length. Ensure the face with the two ridges faces inwards i.e. towards your door and that the whole frame is square.

- Use the 3.5mm bit to drill a hole right through face of the channel
- use the 8mm bit to drill a hole through the first skin only
- Fix using the 1 ½ " screws (use rawl plugs if necessary)
- Cap the hole with the 8mm cap supplied

Note: *The key is to keep the track/surround true so that it retains its shape as you fix. This will ensure the screens fit the track correctly.*

Step 4 – Measuring and cutting the screen door frames

- Verticals - use your H measurement (the same one you used for the vertical track) and deduct 42mm to determine your cut size, e.g. if H = 2040mm the cut size is 1998mm.
- Horizontals - use your W measurement (the same one you used for the horizontal track) add 22mm then divide by 2. This will be your cut size for each horizontal frame length e.g. W = 1986mm add 22mm = 2008mm/2 = 1004mm.

Note: Two of the short (horizontal) door frame pieces have 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.

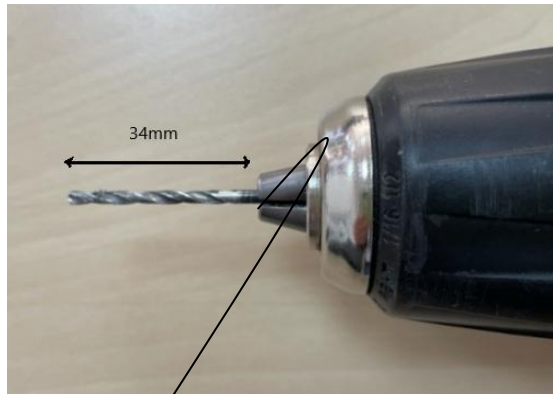


- Cut the frame pieces to your cut sizes with a 45 degree cut making sure that when the frame is assembled, the deep U-shaped channel will be running around the inside. See images above.

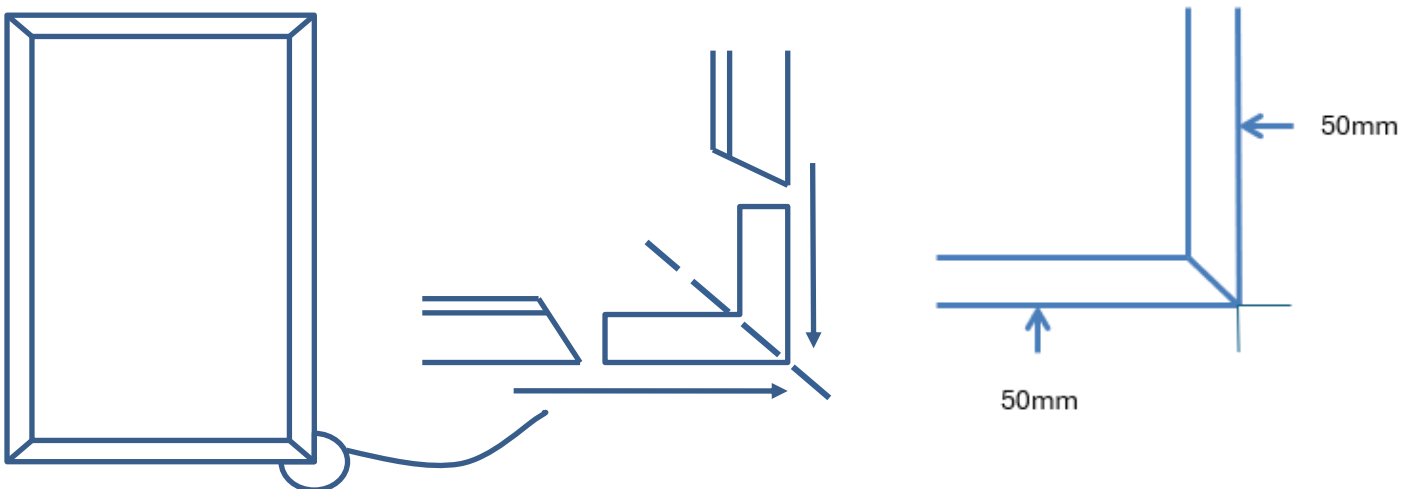
Step 5 – Assembling the screen door frames

Screen 1

- Take two long lengths (verticals).
- Take two short lengths (horizontals) one with holes drilled one without.
- Lay the frame pieces face down on a table, bench or the floor with the deep U-shaped channel facing downwards
- Position as follows:
 - Verticals on the left and right
 - Horizontal with holes on the bottom other horizontal on the top.
- Slide two door clips into the outer chamber on each of the vertical frame pieces each with the two prongs facing the end of the frame as shown. These will move freely up and down the channel.
- Ensure the door clips are right at the top / bottom of the screen before inserting the corner screw i.e. the screw head should be below the bottom of the door clip (see image below)



- Insert each of the metal corners into the frame pieces and push the frame together.
- Lay the screen flat (on a table, bench or the floor), 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" screw using the Pozidrive 1 drill bit.
 - Repeat until all corners are secure.



Screen 2 – repeat the process for screen 1

Step 6 – 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 7 – Fitting the wheels

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



Step 8 – Inserting the pile seal on the right-hand screen door

The pile seal slides into the small outer receiving channel on the back of the vertical frame – feed it into the right-hand side as you look at the back of the screen. Insert at one end, feed through to the other end and cut to length. See image on next page.



Step 9 – Fitting the screen doors

- Position the left-hand screen door with the spline/channel facing your door and the wheels at the bottom.
- Insert the top of the screen onto the top back lip of the upper channel and lift upwards until there is enough clearance to rest the bottom of the screen on the back lip of the bottom channel.
- Let the screen door rest on the bottom channel and test to ensure it rolls smoothly.
- Push the top door clips up so they locate onto the top track, insert and tighten the grub screws.
- Repeat for the bottom clips on to the bottom track.
- Check again to ensure the screen rolls smoothly.
- Repeat for the right-hand screen door but locate on the front lip of the channel.
- Slide the left-hand screen across to the left as far as it will go and the right-hand screen to the right. The screens should overlap in the middle by 58mm (the same width of the screen frame) with the brush pile creating the seal between the two.

YOUR INSTALLATION IS COMPLETE