



**STAINLESS STEEL BALUSTRADE
AND HANDRAIL PRODUCTS**

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HOW TO INSTALL YOUR OWN FRAMELESS POOL FENCE

Before you start –

The stainless steel spigots must be installed into a solid concrete structure, (Not paving bricks laid onto compressed sand) or your fence may fall over in strong winds.

You may need to pull up the paving along the line of the fence and throw a concrete slab about 100mm deep x 300mm wide before you set the paving bricks into the concrete again.

If the fence is not going onto paving, lay mini-concrete slabs of 300mm square x 300mm deep under each spigot.

This will ensure a solid structure into which the spigots can be cored.

The surface should be reasonably level with less than 30mm variance along the length of the fence. If you have steps in the surface, rather seek professional advice.

Answer these questions:

- Do you have all the hardware? (open the boxes to make sure everything is there)
- Is the concrete set?
- Is the weather suitable for outside work?
- Have you bought the right grout?
-

Step 1

Run a stringline along the planned fence. Use only straight lines. Mark where each glass panel will go by leaving 40 to 60mm gaps between each panel.

Leave the following gaps for the gate:

For an 800mm gate with spring hinges – 820mm

For an 850mm gate with spring hinges – 870mm

For a 900mm gate with spring hinges – 920mm

(if the gate is attached to a wall, phone us for the gaps)

Step 2

Mark out with an X on the surface, the location of each Spigot. Usually they will be clamped onto the glass panels 25% in from the edge.

Eg – So a 1400mm panel with have the spigots 350mm in from each side of the panel.
Double check all your measurements.



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Step 3

Using a core drill with a 75mm core drill bit, drill down vertically 150mm.
Make sure you drill down straight. A drill stand can be used.

Step 4

Now to prepare the glass panels –

Set each panel onto a table or work bench to fix the spigots on. Protect the glass from scratching.

Measure in 25% from the edge of the panel.

Fasten the Spigots onto the glass panel.

Every piece of glass must have 2 Spigots attached.

Ensure the stainless steel pressure plate is facing the grub screws so that these screws do not fasten onto the glass.

All the grub screws should face the same way.

Do not over tighten the grub screws.

Then fasten the core drill bit onto the spigot. Tighten well.

Slip on cover plate onto the spigot so that the mirror surface is facing the glass and using tape, stick the cover ring onto glass. (this just ensures that when the panel is in place, you can remove the tape and drop the cover ring into place)

Step 5

Now that each panel has the Spigots attached, you are ready to install the panels.

Do one panel at a time.

Place wooden blocks on the string line approximately 50mm in from the ends of where the panels are to be. So that each panel will be standing on 2 blocks when installed.

These wooden blocks should all be the same height of around 40 to 60mm.

(Remember there may not be any gaps in your pool fence of more than 100mm)

Drop the first panel into the two holes and rest on the wooden blocks.

Brace the panel and ensure that the panel is 100% vertical using a Level.

The Spigots should be suspended in the holes and not resting on the bottom.

The best and easiest way to secure the glass while the grout dries is by using the Metglass Instaframe.

Step 6

Mix just enough Bostik grout to fill only the 2 holes. Follow the instructions on the pockets carefully as this grout is fast setting.

Pour the grout filling the 2 holes and leave for 30 to 60 minutes. (dependant on outside temp.)

Do not over fill the holes and clean away excess quickly.

Now start on the second panel.



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Make sure you install the “hinge panel” next to the gate. Make sure it is the right way round. The gate will be hanging off this hinge panel.

Step 7

Now that you have installed all the panels, it is time to install the gate.

Make sure that you only hang the gate on the hinge panel 3 hours after pouring the grout.

Fix the hinges and latch onto the gate.

Place blocks under the gate.

Place gate into position and attach hinges onto hinge panel.

Attach latch “receiving mount” onto side panel.

Make final adjustments.

Gate must always swing away from the pool area.

The latch must always be inside the pool area.

Step 8

Remove the tape from all the cover plates and let the cover plates fall to the surface.

These cover plates should cover any drilling damage, if done correctly.

You may choose to fasten down the cover plates with a drop of silicone.

Remove the wooden blocks only after 3 hours of grout setting time.

You can make final adjustments by loosening or tightening the grub screws to swing the panels slightly. Tighten again.

Your quality frameless pool fence is now up and ready to use.

Well done.