



FENCES GALORE (QLD) PTY LTD  
ABN 51 098 278 132

# DIY FULLY FRAMELESS GUIDE

## • Moving & Storing your Glass Panels

Glass panels must never touch, lie against or rest on concrete, tiles or any hard surface. If moving your glass panels, always ensure they sit on rubber, timber or preferably both. Although your glass is safety toughened glass, treated incorrectly they will break into thousands of small pieces.

## • YOUR MATERIALS

Fences Galore can supply you with all the fencing and fixing components required. Items for a standard Fully Frameless Glass fence project include;

- Glass panels & gates
- Spigots & dress rings
- 316 Stainless Steel Hinges & Side Pull Magna Latches including hardware
- HES Grout 20kg

## • The Tools REQUIRED

- Tape Measure
- Chalk Line
- Core driller
- Bucket & jug for mixing & pouring grout
- Spirit Level & set square
- Mats or blankets
- BBQ Tongs
- Tape
- Allen Key
- Quick Release Clamps
- Stands

## • Site Measure

Measuring your fence correctly is the most vital step to ensuring you order the correct material for the job. This will save you time and money when it comes to installing your new fence. Due to its nature, glass fencing can't be cut down to size so it is vital you correctly calculate what panels you require. Mark out either end of your fence line and flick a chalk line onto the concrete to give a true line to work with. This will be where your glass will be positioned.

We recommend for aesthetic reasons to try using the same size panels as much as possible, however this is not always possible as plans vary from site to site. Our large range of modular panels should allow you to use any combination of sizes to fit your plan.

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Pool Fencing, Garden Fencing, Security Fencing, Glass Fencing, Pedestrian Gates, Sliding Gates, Intercoms, Motors, Accessories

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Mark your proposed layout on the ground. Between each panel, ensure you leave spacing; this spacing can vary as each job is slightly different. Remember not to exceed 100mm. Your spacing can vary depending on your total area where glass will be installed. When installing a standard gate, the total spacing is to be set to 854mm from glass edge to glass edge. Be sure to measure the correct spigot spacings of your panels. See Figure 1.1 see below.

**IMPORTANT:**

Do not exceed 100mm from the ground to the bottom of the glass, from the edge of the glass to a separate fence, pier or the house. This is illegal and will not comply with strict government legislation.

Once you are confident that your layout of the glass panels are correct, that the spacing between each sheet is even and that you have marked the correct areas to core drill for your spigots to sleeve into, and then check it again.

Figure 1.1 - Not to Scale

Panel Width	Edge To Centre Of Spigot	Centre Of Spigot To Centre Of Spigot	Centre Of Spigot To Edge
600mm	100mm	400mm	100mm
700mm	100mm	500mm	100mm
800mm	150mm	500mm	150mm
900mm	150mm	600mm	150mm
1000mm	150mm	700mm	150mm
1100mm	200mm	700mm	200mm
1200mm	200mm	800mm	200mm
1300mm	200mm	900mm	200mm
1400mm	250mm	900mm	250mm
1500mm	250mm	1000mm	250mm
1600mm	250mm	1100mm	250mm
1700mm	250mm	1200mm	250mm
1800mm	300mm	1200mm	300mm
1900mm	300mm	1300mm	300mm
2000mm	300mm	1400mm	300mm

• Core Drilling

Mark out your spigot centres clearly. Using a 68mm core drill with a template (drill a hole into a scrap piece of timber and use this to guide your core drill into, otherwise the core drill will slip). Drill to a depth of approx. 120mm, ensuring no wiring or piped will be affected. Remove cores with bbq tongs being careful not to chip tiles. Remove and debris, excess water and ensure holes are dry. If going into dirt or garden beds, then dig a hole at least 300mm x 300mm a 400mm deep. Fill the hole with rapid set or normal concrete and core drill when fully cured.

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### • The Location

First, Dial Before You Dig! Simply dial **1100** before you dig to check the location of any underground service (electrical, gas, water, telephone) to ensure you don't damage them, whilst digging your holes. You should also check with your local planning authority or state government to ensure your fence will meet regulations. For a list of these services please visit [www.poolfencing.qld.gov.au](http://www.poolfencing.qld.gov.au)

### • Prep Glass & Install

Now that you have all your core drilled holes clear and free from debris, you are ready to prep your glass. Attach the spigots with the desired side to your glass. Lay the glass on stands horizontally ensuring that the glass is protected by a matt or blanket. Attaching the spigot is straight forward. Using the spigot guide above, place rubber inserts on glass and line up and position over rubber. Insert S/S plate between rubber and inside of spigot and tighten using an allen key. Ensure that you place the small plastic packer between the bottom of the glass and the spigot. At no stage should the glass touch the metal. Check that the spigot has been attached straight by using a small spirit level or a set square. Fasten and lock spigot into position. Place the dress ring on the correct way up and tape into position, preventing the cover plate from falling off when you stand the glass panel into position. You are now ready to erect your panels. Placing small blocks of timber on the outside of each hole approx. 50mm away. Allowing enough room for your dress ring not to be affected, lift panel and line up your spigots and under control, gently lower the panel into the holes. The bottom of the glass should rest onto the timber blocks that were placed there earlier. If the glass does not touch these blocks your holes are not deep enough.

Once the panel is at the correct position you are able to lean the panel to one side and it should stay in its holes by itself providing you have followed the above steps correctly. Insert all reaming panels of your fence.

Now that all your panels have been placed into your desired position, it's time to brace the glass and adjust the lines. Using your lengths of timber and clamps, place over the panels and clamp onto the glass straightening the panels next to each other. This process ensures that the glass panels are correctly in line with each other. It's recommended that you use two makeshift clamps placing one at the top and one at the bottom.

Now that all your glass is connected together, check that all your spaces in between the glass are at your desired measurements. Attach timber bracing to the top edge of your makeshift clamp and stake it into the ground. Before locking off your bracing, double check that the panels are straight with a spirit level. Once they are all locked into position, ensure the spacing and height levels are right and 100% accurate before moving onto the final stage.

You are now ready to mix up the flow grout. This mix needs to be fairly runny so it can fit into the small gap between your spigot and your concrete hole (a small watering can or a coke bottle with a nail hole in the lid works well). Pour the grout so it fills up the entire hole, clean up any spillage, especially on the spigots. Allow to cure for 3-5 days before removing the bracing.

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### • Install Gate

Ensuring distance between glass panels is 854mm, attach both hinges to glass gate first. Ensure the hinge barrel is on the **non pool side** of the fence.

**NOTE: Pool gates must open away from the pool.**

Using timber blocks to rest the gate on, position the gate so the holes in the hinges line up with the holes in the hinge panel and attach.

Attach Side Pull Latch body (**pool side**) to the gate using the supplied nut and bolt fixings.

Align the centre of the Latch Keeper with the Latch Body bolt - fix using nuts and bolts supplied.

Tension hinges by inserting small tension pin into appropriate tension hole and use the 70mm bar to tension hinge. Repeat for both hinges.

**NOTE: You should test the gate to ensure it closes from all positions, including only slightly open.**

### Finish

- Clean up the site and fence, sit back and enjoy.

*Disclaimer: While all care is taken in the production of DIY (do it yourself) guides, in line with manufacturer recommendations, all Fences Galore DIY guides are provided as an indicative installation guide only. Fences Galore are not liable or responsible for the outcome of any fence installed using these guides. Fences Galore reserves all of its rights in relation to this matter.*

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