



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

DIY SEMI-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.

• 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. Our glass panels come in 84mm increments. This makes it easy to calculate **Post Hole Centres** for your plan. See *Figure 1.1 below*.

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.

Our **Glass Gates are 834mm** wide with **Post Hole Centres of 985mm** - (this includes gaps and T Sections).

Figure 1.1 - Not to Scale

1784 W x 1200 H	Post Hole Centre = 1800mm
1684 W x 1200 H	Post Hole Centre = 1700mm
1584 W x 1200 H	Post Hole Centre = 1600mm
1484 W x 1200 H	Post Hole Centre = 1500mm
1384 W x 1200 H	Post Hole Centre = 1400mm
1284 W x 1200 H	Post Hole Centre = 1300mm
1184 W x 1200 H	Post Hole Centre = 1200mm
1084 W x 1200 H	Post Hole Centre = 1100mm
984 W x 1200 H	Post Hole Centre = 1000mm
884 W x 1200 H	Post Hole Centre = 900mm
784 W x 1200 H	Post Hole Centre = 800mm
684 W x 1200 H	Post Hole Centre = 700mm
584 W x 1200 H	Post Hole Centre = 600mm
484 W x 1200 H	Post Hole Centre = 500mm
384 W x 1200 H	Post Hole Centre = 400mm

• The Location

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Trade

Body Corporate

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

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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 post 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

• YOUR MATERIALS

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

- Glass panels
- Posts, Caps & Cover Rings
- Gate Kit - Inc. 8mm Glass Gate, Gate T-Sections, 316 Stainless Steel Hinges, Side Pull Magna Latch and Gate Stop
- Glazing Rubber
- Glass Seating Blocks
- HES Grout 20kg

• The Tools REQUIRED

- Tape Measure
- String Line
- Core driller/ Post hole shovel
- Wheel Barrow
- Cordless battery Drill
- Spirit Level
- Stanley knife
- Screwdriver & BBQ Tongs
- Hacksaw/Angle Grinder
- Soapy Water

• Mark & Dig Holes - **THIS IS THE MOST IMPORTANT STEP!**

- After deciding where the fence is to be located, set up a level string-line on the fence-line, keeping it as close to the ground as practical, between **30-90mm**. This will be where the bottom of your panel will run. Distance between ground and stringline may vary depending on ground level.

NOTE: Glass Pool Fence panels are required by law to be no more than 100mm above the ground. However we recommend a gap of 30-90mm.

- Mark out the post hole centres along the string line. Using our standard **Panel Widths**, your **Post Hole Centre** measurements should be your **Panel Width** plus **16mm**, with the **Gate Post Hole Centres being 985mm**.

Use a tape measure or cut-to-length spacer to help you.

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- If using In-Ground posts, dig the post holes approximately **500/600mm deep** and **200mm** in diameter.
- Flanged posts can be fixed to surface using surface specific fixings.
- If Core Drilling your posts, use 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.

• Install Posts

- Mark the post with a pencil **1200mm** down from the top of post.
- If required, cut the post so that the pencil mark matches the position of the string-line. It is best to cut the end of the post that is going into the post hole.
- Pour concrete into hole and adjust the post so that it is **plumb**, ensuring the string-line and pencil line match up. Ensure post centres are correct (according to your plan).
- If you are using core drilled holes you can keep the posts in place with wooden chocks, then pour in your grout.
- Clean off any excess concrete/grout or dirt from the posts with a damp sponge before the concrete/grout sets.
- Allow at least 24 hours curing time for the post to fully set before you insert glass panels.*

**Please check the user instructions on your specific concrete mix.*

• Install Panels

- If you have core drilled, remove wooden chocks and drop all cover rings over grout holes.
- Place Glass Seating Blocks in channel on top of infill to avoid any chipping of glass panel.
- Insert the glass into the posts ensuring the small manufacturer mark is in the lower left hand corner as you're looking at the pool.
- Cut the Glazing Rubber 50mm longer than post.
- Spray the glass with soapy water to allow you to roll rubber into the glazing post on both sides of the glass. Ensure ribs are against glass.
- Trim excess rubber with a Stanley knife top and bottom.

• Install Gate

- Ensuring posts are at **985mm centres**; attach Gate "T" Sections in line with glass panels using pop rivets. Attach both hinges to glass gate first then line the top of the gate with the top of the "T" Section and drill through the hinge hole through the "T" Section. Insert bolt and tighten nut. Ensure the hinge barrel is on the **non pool side** of the fence.

NOTE: Pool gates must open away from the pool.

- Attach Gate Stop (**non pool side**) and 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.

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Finish

- Push caps onto posts – silicon if required.
- 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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