

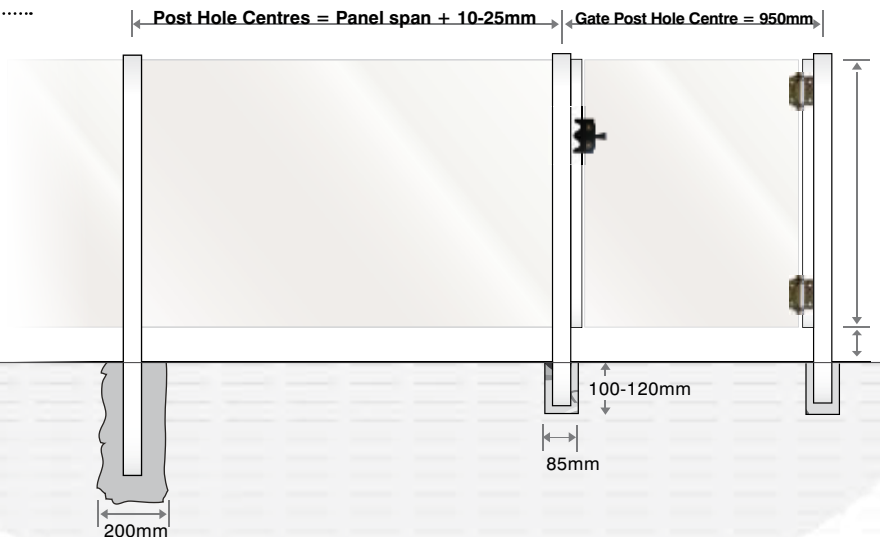
THE FENCE DEPOT

SEMI-FRAMELESS GLASS

DIY GUIDE

▶ ALSO AVAILABLE:

- Aluminium Tubular Pool & Garden Fencing
- Aluminium Slat & Privacy Screens
- Entry Gates PLUS Automation
- Aluminium, Glass & Steel Wire Balustrade
- Commercial & Industrial Grade Fencing
- COLORBOND Steel Privacy Fencing
- Steel Weldmesh
- Chainwire
- Timber Fencing



► SITE MEASURE

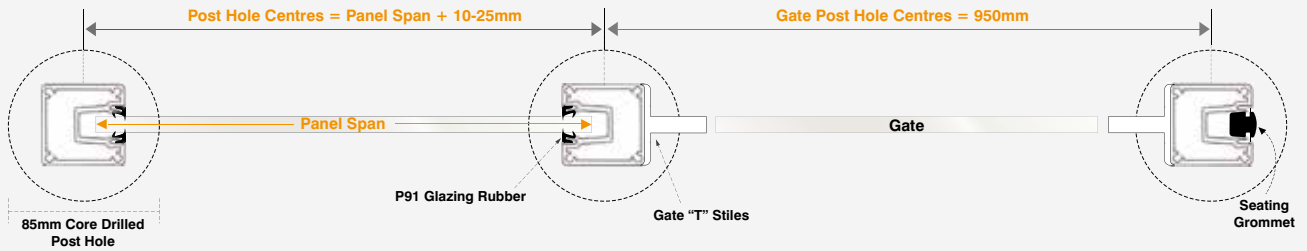
Measuring your fence correctly is the most vital step to ensuring you order the correct material for the job. This will save you time and money when it comes to installing your new fence. Due to its nature, Glass fencing can't be cut down to size so it is vital you correctly calculate what panels you require.

Our 8mm Toughened Glass panels come in 12 Modular sizes as shown in the table below. To calculate **Post Hole Centres** for your plan you simply add **10-25mm** onto the panel size you intend to use. See *Figure 1.1* below.

We recommend for aesthetic reasons to try to use 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 **800mm** wide with **Post Hole Centres of 950mm** - (this includes gaps and T Stiles).

Figure 1.1 - Not to Scale



Modular Panel Sizes (Width x Height) & Corresponding Post Hole Centres (in MM)

1475 W x 1180 H	Post Hole Centre = 1485 to 1500mm	1175 W x 1180 H	Post Hole Centre = 1185 to 1200mm
1425 W x 1180 H	Post Hole Centre = 1435 to 1450mm	1125 W x 1180 H	Post Hole Centre = 1135 to 1150mm
1375 W x 1180 H	Post Hole Centre = 1385 to 1400mm	1075 W x 1180 H	Post Hole Centre = 1085 to 1100mm
1325 W x 1180 H	Post Hole Centre = 1335 to 1350mm	1025 W x 1180 H	Post Hole Centre = 1035 to 1050mm
1275 W x 1180 H	Post Hole Centre = 1285 to 1300mm	950 W x 1180 H	Post Hole Centre = 960 to 975mm
1225 W x 1180 H	Post Hole Centre = 1235 to 1250mm	850 W x 1180 H	Post Hole Centre = 860 to 875mm

► 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 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

The Fence Depot 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
- Snap in channel
- Gate Kit - Inc. 8mm Glass Gate, Gate Stiles, 316 Stainless Steel Hinges, Side Pull Magna Latch and Gate Stop
- P91 Captive Wedge Glazing Rubber
- Seating Grommets
- Epirez Grout

► THE TOOLS REQUIRED

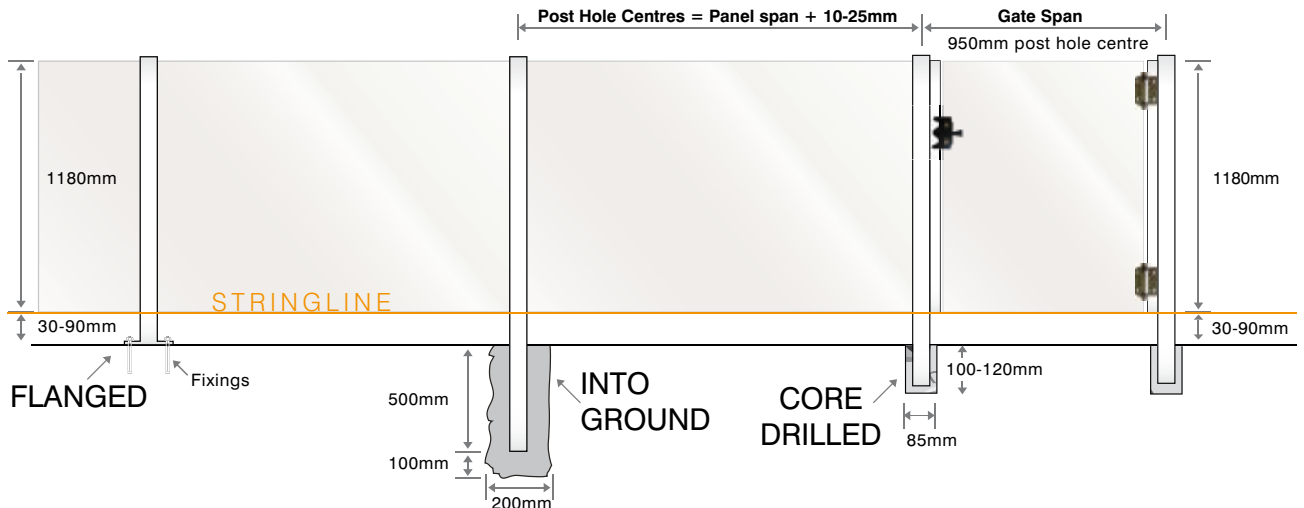
- Tape Measure
- String Line
- Core driller/ Post hole shovel
- Wheel Barrow
- Cordless battery Drill
- Spirit Level
- Stanley knife
- Screwdriver & BBQ Tongs
- Hacksaw/Angle Grinder
- Soapy Water

STEP 1 ► 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 and no less than 20mm. 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 **10-25mm**, with the **Gate Post Hole Centres** being **950mm**. Use a tape measure or cut-to-length spacer to help you.



- 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, drill holes using a **85mm core drill bit** to a depth of **100mm**.
- Using a screwdriver and tongs, gently lever the core out of the hole ensuring you protect the edge of the hole and tiling. Clean the hole of any debris and dry.

STEP 2 ► 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 or grout 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.
- 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.*

STEP 3 ► INSTALL PANELS

- Use your string-line as a guide for the position of the bottom of the panel, insert and set in Snap-In Channel at correct height ensuring it is firmly resting on grout/concrete.

- Place Seating Grommet on top of Snap-In Channel to avoid any chipping of glass panel.

See Figure 1.1 for correct Grommet position.

- 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 P91 Glazing Rubber 50mm longer than post.

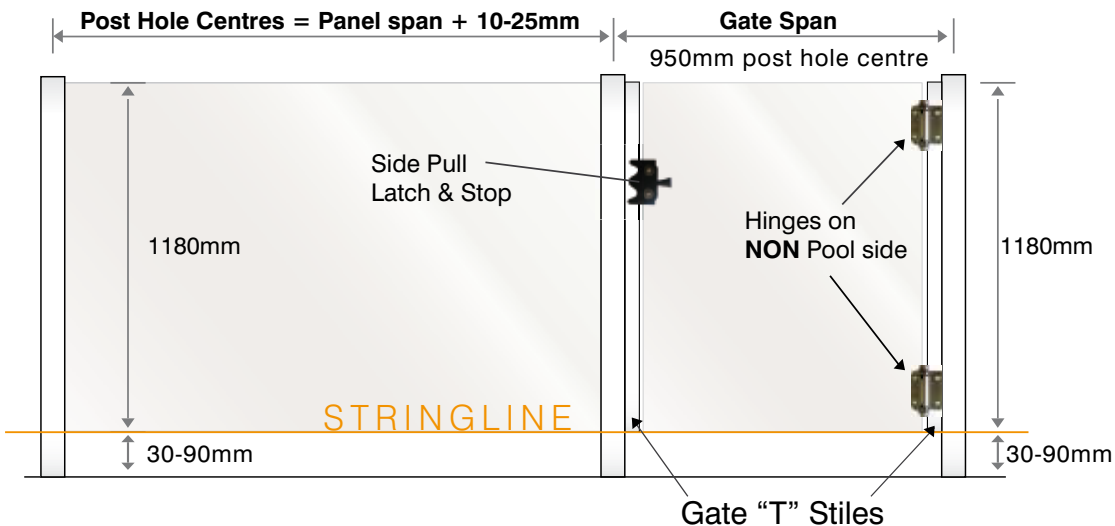
- Spray the glass with soapy water to allow you to roll rubber into the glazing post on both sides of the glass.

See Figure 1.1 for correct Glazing rubber position.

- Trim excess rubber with a Stanley knife top and bottom.

STEP 4 ► INSTALL GATE

- Ensuring posts are at **950mm centres**, attach Gate "T" Stiles in line with glass panels.
See Figure 1.1 for T Stile position.
 - Un-tension Stainless Hinges by removing small tension pin (using 70mm tensioning rod) and attach to glass gate, ensuring the hinge barrel is on the **non pool side** of the fence.
- NOTE: Pool gates must open away from the pool.**
- Now attach gate to T Stile on hinge post using supplied nut & bolt fixings ensuring it is level with T Stile or glass panel.
 - 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.
 - Re-tension hinges by inserting small tension pin into appropriate tension hole.
- NOTE: You should test the gate to ensure it closes from all positions, including only slightly open.**



STEP 5 ► FINISH

- Push caps onto posts – silicon if required.
- If the post tops are not level or extend too high above panels, use a square to mark a level post top 10mm above the top of the glass panel and square a line all the way around the post.
- Remove panel(s) to ensure they don't get damaged and cut the excess post ensuring you are keeping to the squared line.
- Clean up the site and fence, sit back and enjoy.

NOTE: The Fence Depot Maintenance required for our 10 year warranty. Please visit our website for details.