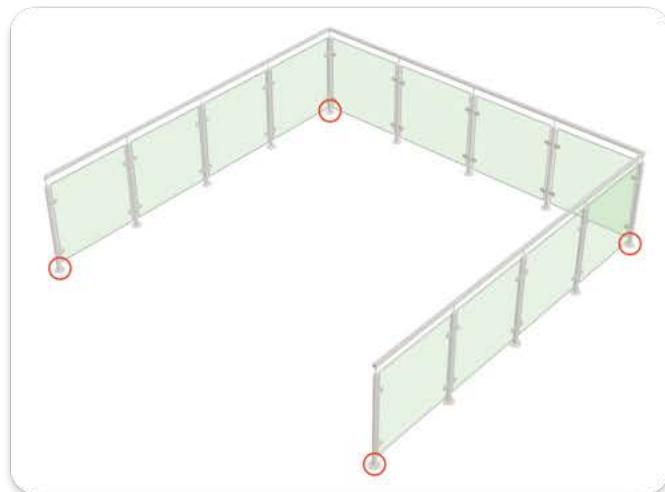


Guide to Installing Glass Balustrades and Post & Rail System

Step 1: Ground preparation

1. Begin by marking a **centre line 75mm in from the edge** of the substrate edge.
 - This ensures a secure fixing point (not including any tile or flagstone overhang).
2. Install all **end posts and corner posts** first.
 - Align the **centre of each post** on the marked centre line.

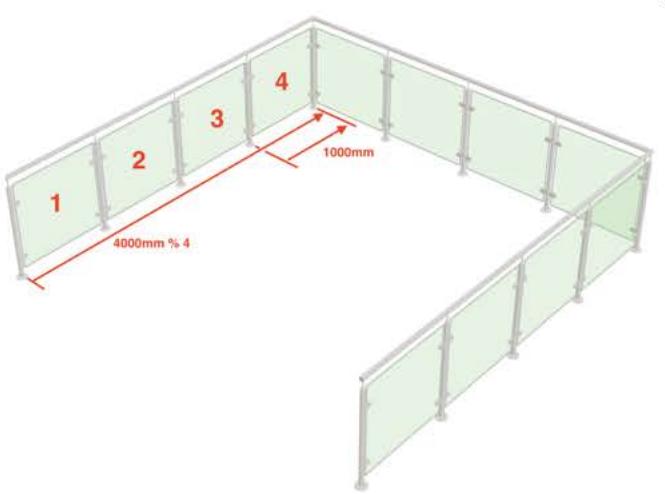


Step 2: Mark Out End and Corner Posts

1. Once you're satisfied with the layout of your balustrade, use the **base plates** of the posts as a **template** to mark out the fixing holes on the ground
 - Each plate will typically have **3 or 4 fixing holes**.
2. After marking, you can **partially disassemble** the posts (remove the clamps).
 - This will make it easier to fix the posts down later.

Step 3: Drilling and Fixing the Posts

1. Drill holes to the **size required for your fixings**, for substrate recommendations. (Metal, Wood or concrete)
2. Reposition the disassembled post over the drilled holes.
3. Lift the cover plate and **insert the fixings**.
4. Ensure each post is **level in all directions** before fully tightening. Then replace the clamps.

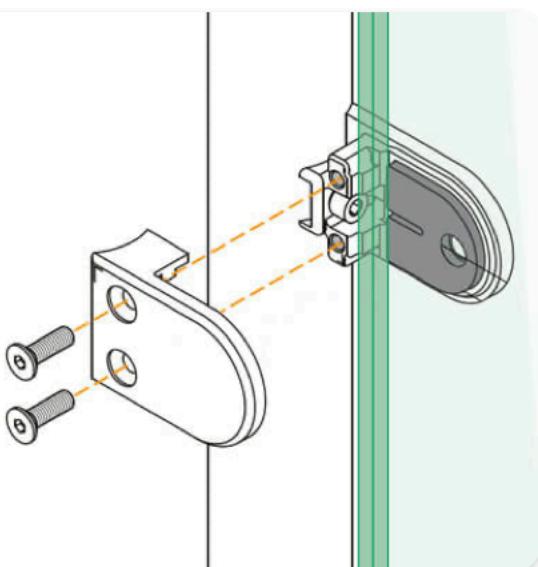
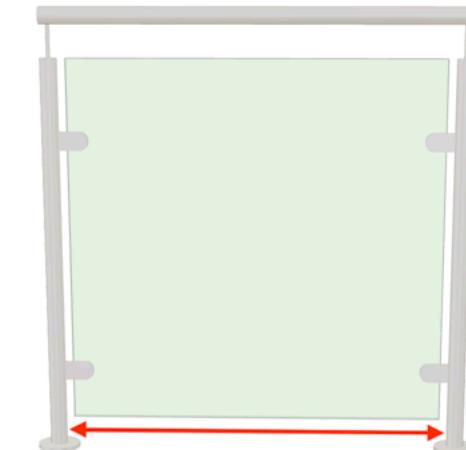


Step 4: Middle Post Positioning

1. After all **corner and end posts** are installed, measure the **distance between the centre of each end post** on the same run.
2. Divide that measurement by the **number of glass panels** in that section (see diagram for reference).
3. Mark and fix the **middle posts** in place.
 - Refer back to Steps 2 and 3 for drilling and fixing guidance.

Step 5: Measuring for Glass

1. Measure from **post to post above the baseplate**, taking measurements from the **inside bottom edge** of each post.
2. We will make the **necessary deductions** to allow for glass clamps and spacing.



Step 6: Installing the Glass Panels

1. Remove the **face plates** of each clamp using a **4mm Allen key**.
2. Insert the **rubber gaskets** into both the back and face of each clamp.
3. Place a **wooden spacer** (or other non-abrasive support) under the glass to protect it during installation.
4. Position the glass between the clamps.
5. Replace the clamp faces and **insert screws by hand**.
6. Once aligned, **tighten the screws** using the 4mm Allen key.
 - Ensure the clamps are tight enough to **prevent the glass from sliding**.



Step 7: Handrail Installation

1. Fit the correct **saddle** to the top of each post.
2. Place the **handrail** along the saddles and check alignment.
3. Mark the **drill hole positions** along the full length of the rail.
4. Rotate the rail and **drill 5mm holes** at each marked point.
5. Reposition the handrail so the holes line up with the saddles.
6. Insert the **supplied self-tapping screws** and secure in place.

Step 8: Final Clean Down

1. Clean all **stainless steel components** using a suitable cleaner (available from us if required).
 - Recommended **3 times per year** for maintenance.
2. Clean the **glass panels** with an appropriate glass cleaner. (available from us if required).
3. **IMPORTANT:** Ensure all **metal swarf and shards** from drilling are completely removed to prevent corrosion or surface damage.