

Installing a Glass Railing System

Virginia Round & Chicago Square

Overview¹

This document contains the comprehensive information for installing components of the Virginia or Chicago glass railing system: glass clamps and posts. This process requires at least two people to install safely.

[General Instruction Page](#)

[YouTube Installation - Glass Railing System](#)

[Engineering Specifications](#)



Do not order glass before the installation of your posts. The posts must be installed first to take the exact measurements for glass. Each glass clamp includes a recommended safety pin for the glass panels; using this pin will help prevent slippage. The recommended hole size is 7/16" (11mm) placed 1" (25.9mm) from the edge of the glass to the center of the hole.

Caution:

- Wear protective ANSI approved safety glasses, working gloves and breathing mask at all times
- Inspect before installation or use; do not use if parts are loose or damaged
- Use for intended purposes only
- Beware of dynamic loading. Sudden jerks against load may briefly create excess load causing failure

Please ensure proper research is conducted prior to installation. It is the responsibility of Inline Design customers to comply with local, national, and international building codes. Inline Design will not be liable for ensuring that projects meet code requirements.

Tools Required

Installing Clamps

- 1) 6mm hex wrench
- 2) 4mm hex wrench
- 3) Inline Design glass clamps: square or round, with gaskets and accompanying accessories

Installing Posts

- 1) Power drill
- 2) Level
- 3) Wrench
- 4) Level

¹ This document includes hyperlinks and is intended to be viewed as a PDF rather than print material

Instructions

Part 1a/b: Installing Glass Clamps and Mount Post

- 1) [Refer to this document for instructions to mount the glass clamps and the posts](#)

Note: Use WD-40 if there is difficulty installing bolts.

- 2) Only if your project includes stair posts, cross reference the [post placement document](#) and [stair installation guidelines](#) before mounting posts

Part 2: Cut Tubes to Size

If using Inline Design tubes for handrails, [refer to this document to cut stainless steel tubes](#)

Part 3: Install Handrails

[Refer to this document to attach your stainless steel handrails including related components to your posts](#)

Part 4: Maintaining a Stainless Steel Surface

[Refer to this document for direction on buffing and refinishing stainless steel surfaces](#)

NOTE: A small amount of surface corrosion is not uncommon after a some exposure to weather or salty conditions. We recommend using our [passivation solution](#) or some sort of stainless polish to keep any surface corrosion from happening; more information available [on our Engineering Specs Page](#).