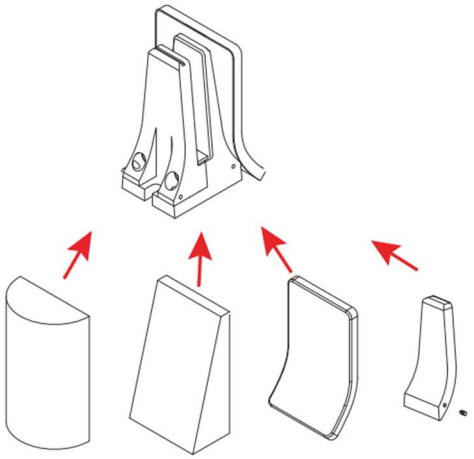
GLASS RAILING SYSTEMS

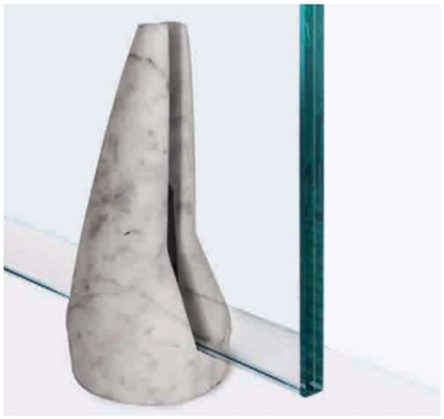
SYSTEM TYPE: SPIGOT GLASS RAILING

FLOOR ANCHORING

1. SYSTEM FEATURES

- designed for top assembly;
- guaranteed stability and strength;
- quick and easy installation;
- the holders are strong, easy to assemble and can satisfy all the planning and aesthetical needs;
- You can also choose the material of the cover, such as wood or marble, and thus obtain a design railing suitable for any type of environment and architecture.





2. TECHNICAL DATA

- Designed for: domestic use and public places;
- Use: inside and outside, also by the sea;
- Variants: floor mounted;
- Applications: balconies and balustrades;
- Material: AISI 316 and 304 stainless steel;
- Infill: glass from 12.76 mm to 17.52mm (88.4);
- Upper finish: satin or polished stainless steel.

3. CERTIFICATION. TESTS

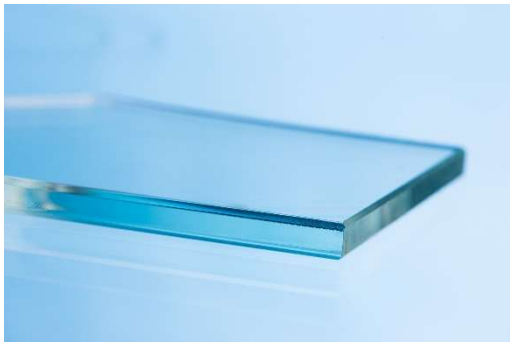
- Glass EN 12600;
- Design load from 1kN to 1.5kN;

EN 12600

4. GLASS

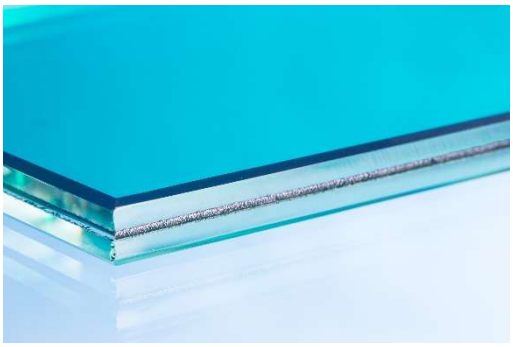
Tempered glass

Tempering is a heat treating that produces a pre-compression condition on glass surfaces; a reduction of micro blemishes is therefore achieved. After being tempered, glass develops a resistance that is four times higher that a traditional float glass. Another advantage is that, in case of breakage, you will have little fragments without sharp edges.



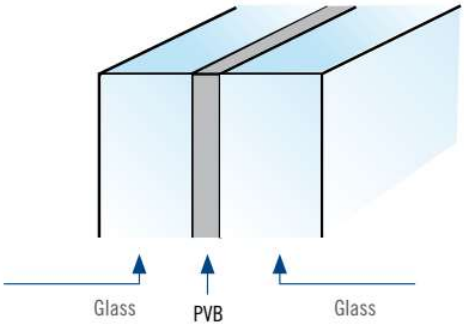
Laminated glass

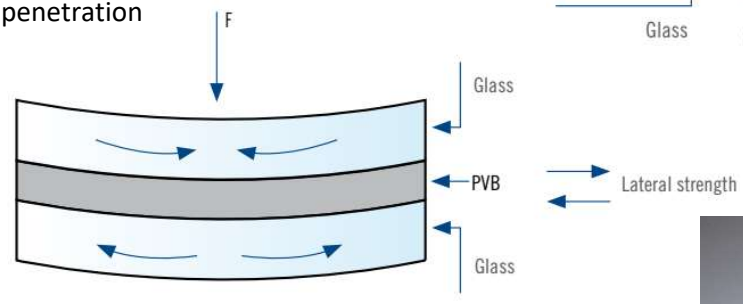
By joining two or more tempered glass layers and alternating them with a plastic sheet, we get a composite panel, where, in case of a break, fragments remain cohesive. Plastic materials which are usually in PVB or EVA, are interjected between two or more layers, thanks to specific processes that allow them to reach a composite panel with mechanical, heat and acoustic performances.



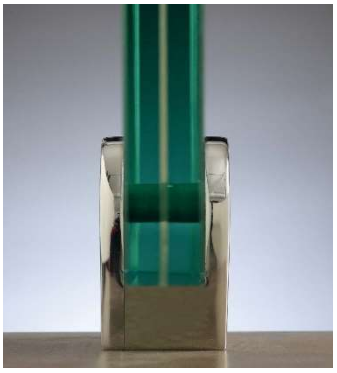
Advantages of security stratified glass in case of breakage:

- Fragments and splinters pinned by plastic;
- It stands even after break and it can be replaced;
- Decreased fall of dangerous fragments on people;
- Decreased injury risk caused by human impact;
- Increased mechanical resistance to break – through and penetration



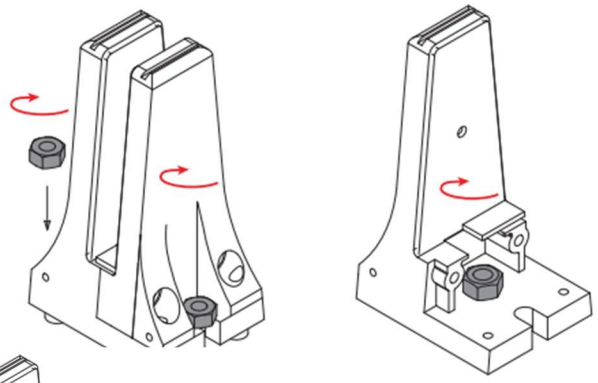


- from 6 mm monolithic toughened glass to 17.52mm (88.4) toughened laminated glass;
- optional coloured or tint glass;
- radius corners and polished edges on request;
- optional drilled holes;

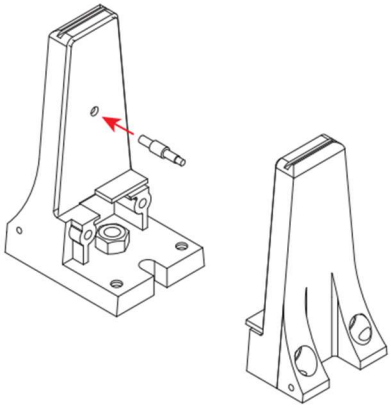


5. INSTALLATION

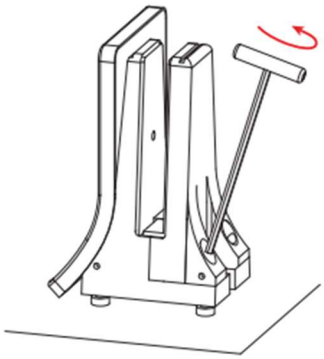
- Drill a hole into the floor where the holes of the holder are located by using the most suitable drilling bit. Use the proper screw anchors for both the surface and type of material of the part where the holders are anchored. Anchor on a central point or on two points;

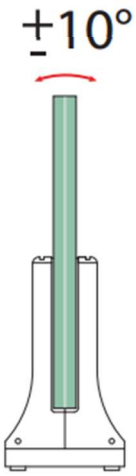


- Add a safety pin for a higher stability;

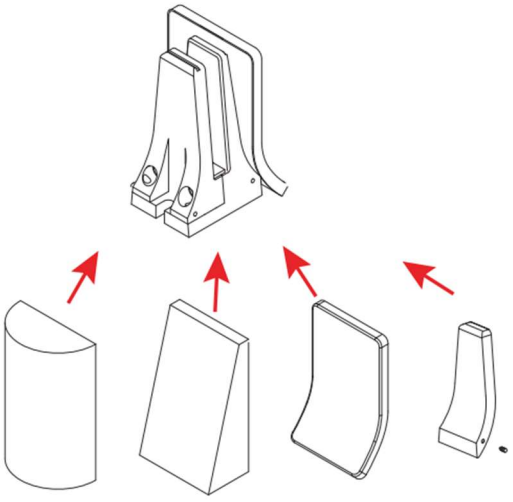


- Adjustable feet from above for the levelling of the railing;



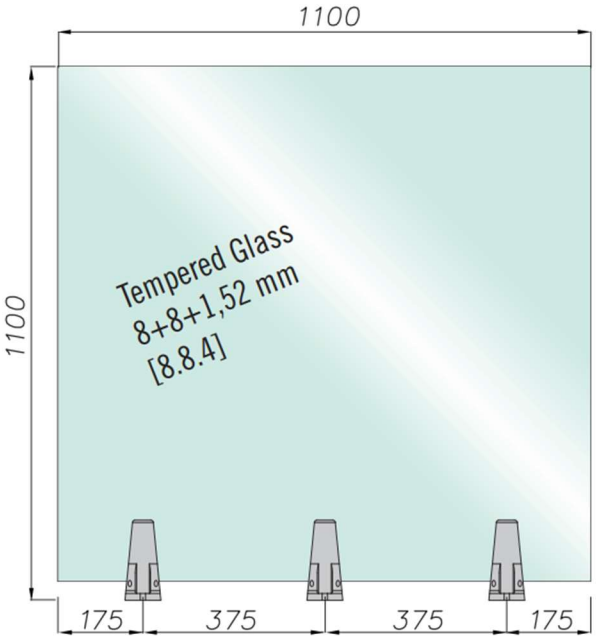


- Interchangeable cover that allows to personalize the holder without changing its technical features;



6. DRAWINGS

Configurations tested with safety pin for design load 1.5 kN/m



Configurations tested with safety pin for design load 1.0 kN/m