

## GLASS RAILING SYSTEMS

# SYSTEM TYPE: R SYSTEM

### SIDE ANCHORING



#### 1. SYSTEM FEATURES

- anchorage, designed for side assembly, depending on the project;
- guaranteed stability and strength;
- quick and easy installation;
- A wide range of handrail supports to match our posts which will allow you to reach different railing heights;

#### 2. TECHNICAL DATA

- Designed for: domestic use and public places;
- Use: inside and outside, also by the sea;
- Variant: side mounted,
- Applications: stairs, balconies and balustrades,
- Material: AISI 316 and 304 stainless steel,
- Infill: glass from 8mm to 17.52mm (88.4)
- Upper finish: satin or polished stainless steel



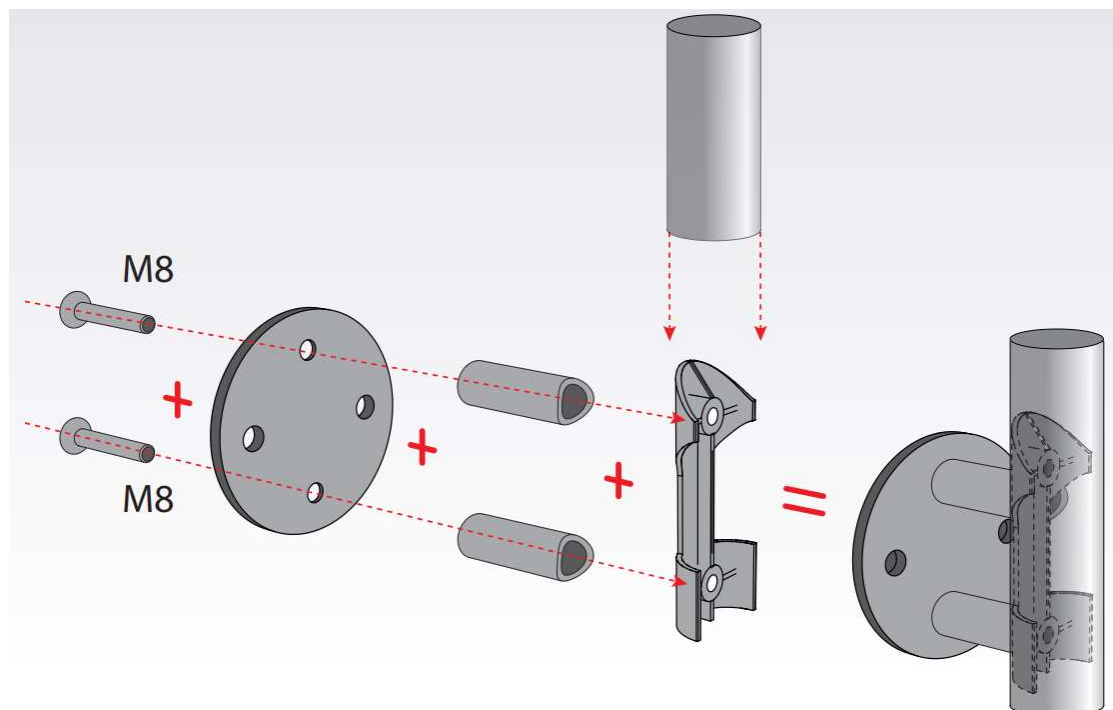
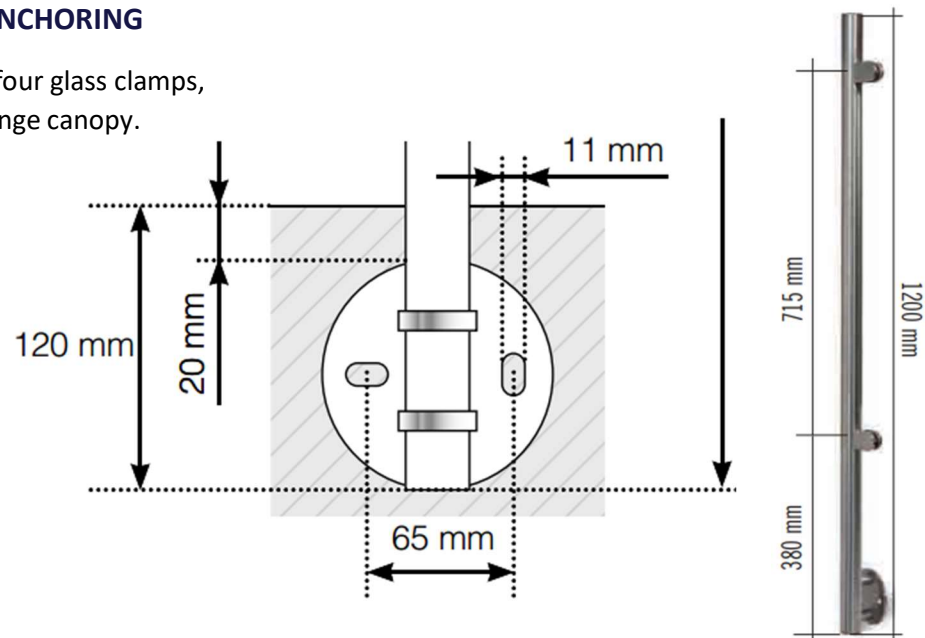
### 3. CERTIFICATION. TESTS

- Glass EN12600;
- Construction NTC2008;
- CE

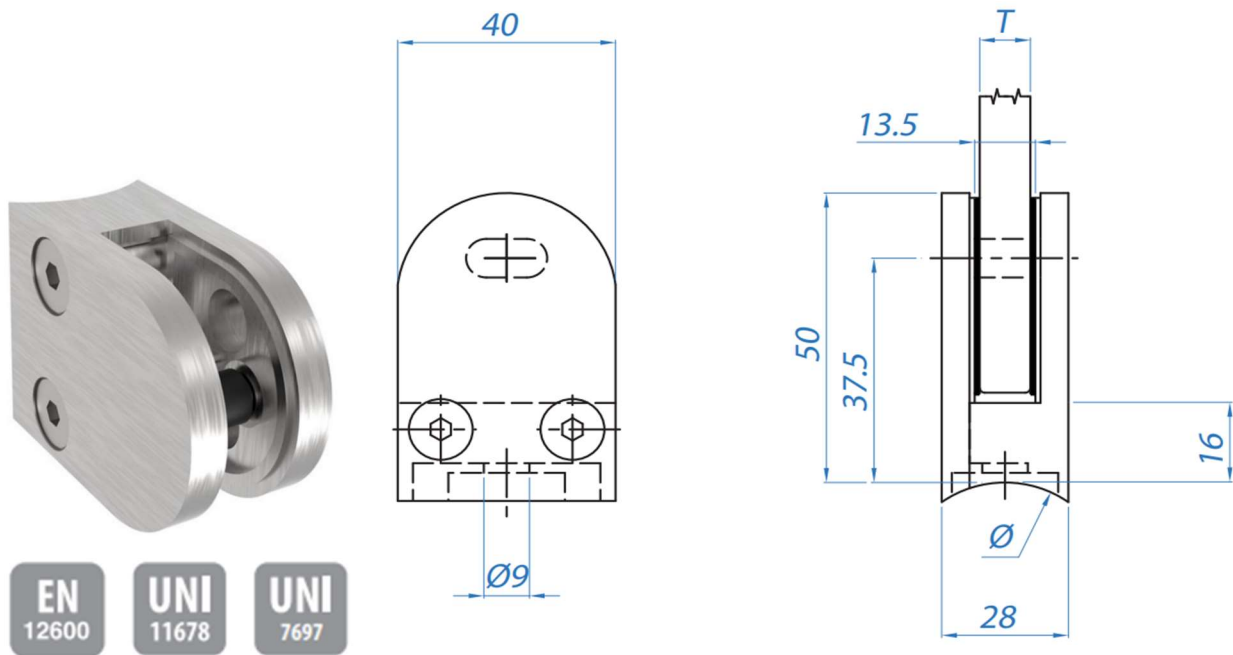


### 4. MOUNTING - SIDE ANCHORING

Complete with two or four glass clamps, mounting plate and flange canopy.



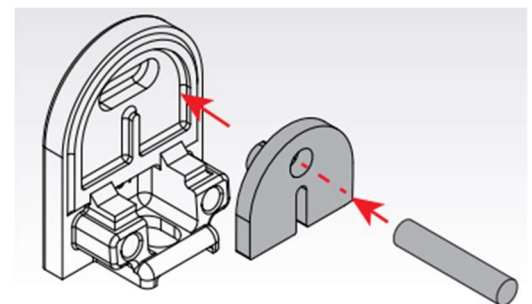
## 5. GLASS CLAMP



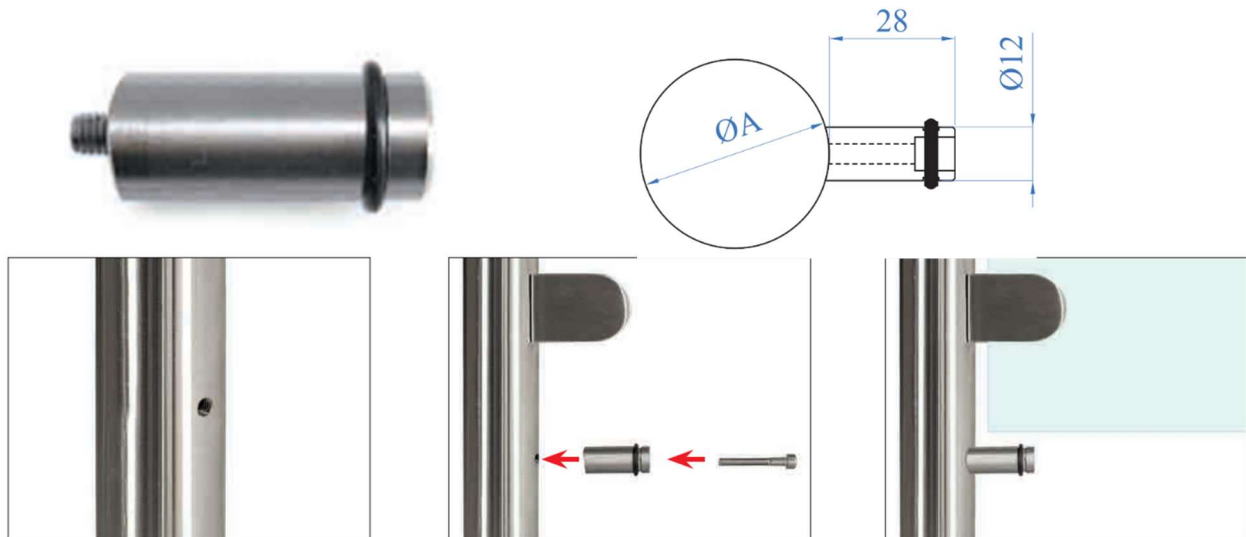
Dimensions	External holes	For tube
40 x 50 mm	3 x 9 mm	42.4 mm

## 6. SAFETY PIN

- An addition kit with rubber and security pin is available for laminated glass 8.76mm (44.2) and 10.76mm (55.2).



- more peace because it eliminates any fear of glass sliding;
- save time and money as you do not need to drill the glass and insert the safety pins inside the clamps;
- only one Safety Pin on each side of the post is to be used;

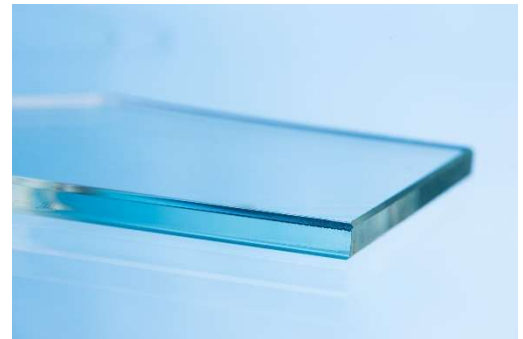


- Drill a hole on the post beneath the glass clamp
- Install the safety pin
- Place the glass

## 7. GLASS

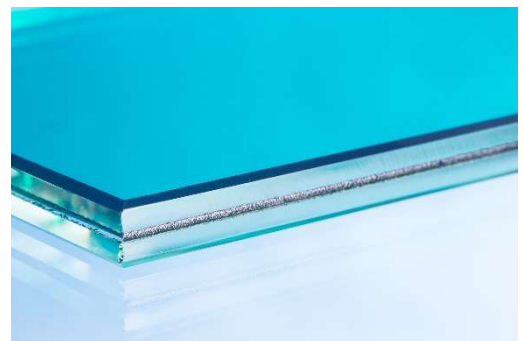
### Tempered glass

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 than a traditional float glass. Another advantage is that, in case of breakage, you will have little fragments without sharp edges.



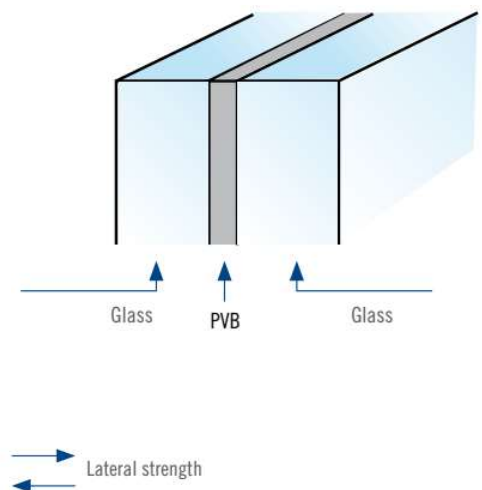
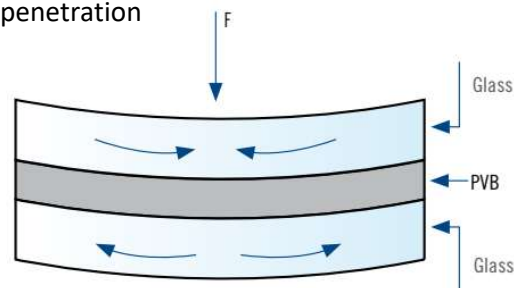
### Laminated glass

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

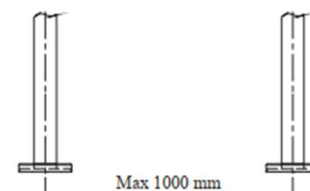


- from 6 mm monolithic toughened glass to 17.52mm (88.4) toughened laminated glass;
- optional coloured or tint glass;
- radius corners and polished edges on request;
- optional drilled holes;



## 8. INSTALLATION

- In order for the railing to be certified it is absolutely necessary that the max. distance between the posts does not exceed 1000 mm (range 50 mm).



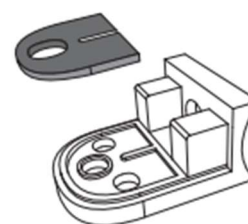
- Drill a hole into the floor or wall where the holes of the flanges are located by using the most suitable drilling bit. Use the proper screw anchors for both the surface and type of material of the part where the posts are anchored. Use the torque wrench settings indicated by the supplier of the screw anchors.



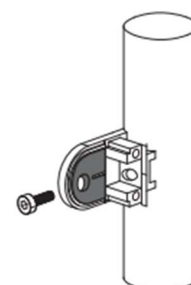
- Spread glue on the surface of the saddle with a two-component polymer. Lay the handrail on the handrail supports. Drill the holes on the handrail supports with a 4 mm diameter. Thread them M5 and fix the tube to the saddle with M5 x 10 mm screws.



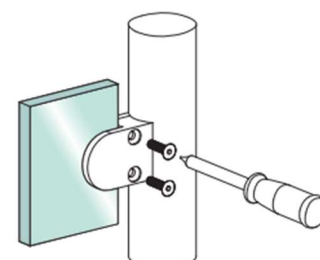
- Insert into the glass clamp, in the slots, rubbers of the needed thickness.



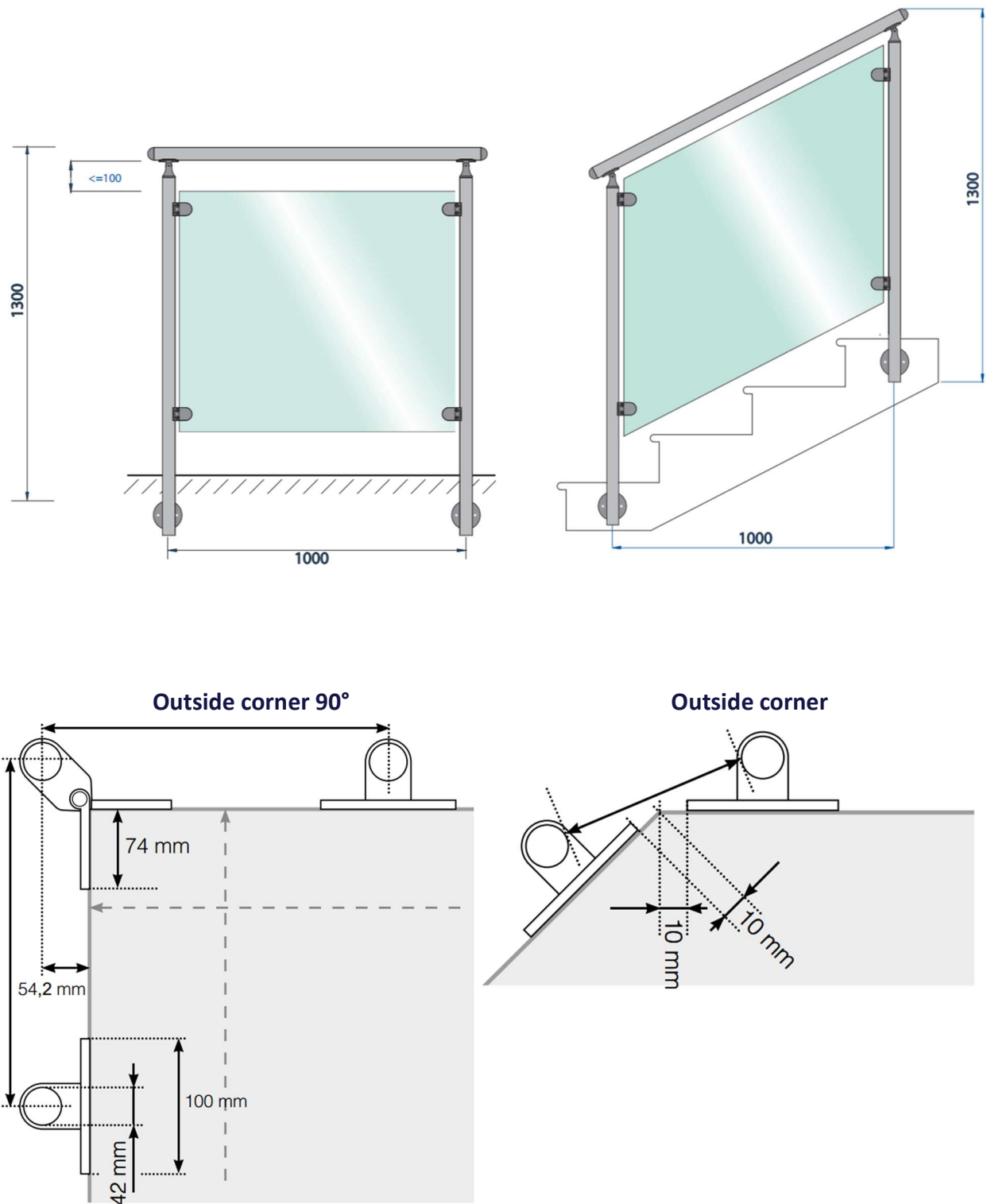
- Fix the glass clamp support to the tube with a M8 screw (cylindrical head)



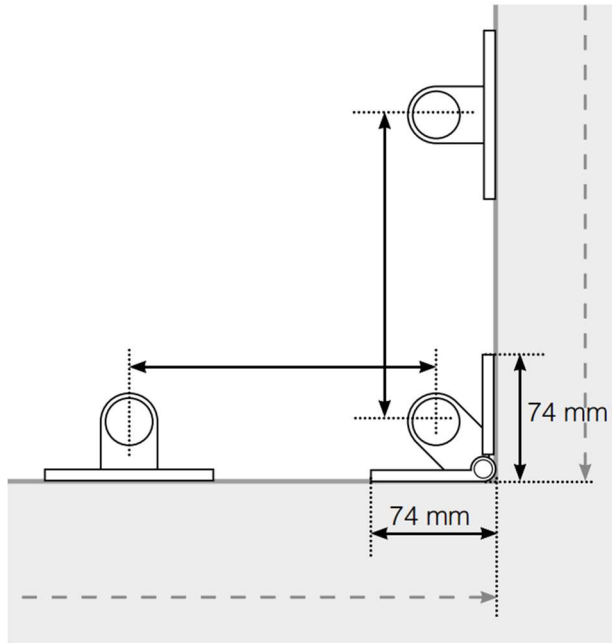
- Fix the support to the clamp with a M6 screw.



## 9. DRAWINGS



**Inside corner 90°**



**Inside corner**

