

## INSTALLATION OF AIDS

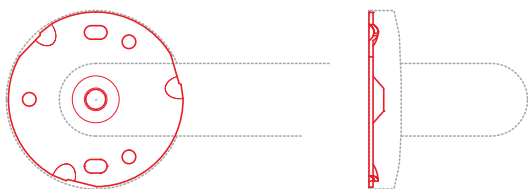
### INSTRUCTIONS FOR THE INSTALLATION OF WALL-MOUNTED AIDS

#### Fixing cylinders and flanges

Product types in which these systems are used

- Grab bars
- Safety grab bars for corners
- Corner safety grab bars
- Fixed lateral grab bars
- Handrail

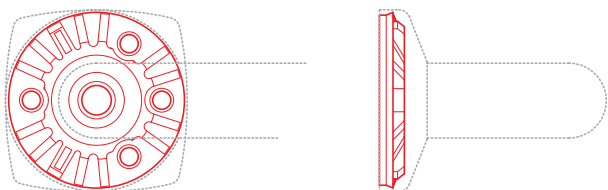
#### Fixing flanges



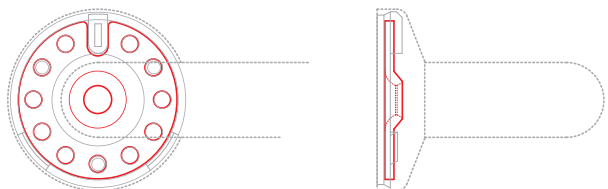
Flange 3 holes - Stainless steel with satin finish  
Stainless steel - AISI 304,  $\varnothing$  77 mm



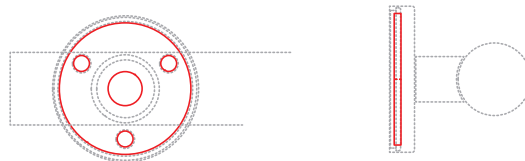
Flange 6 holes - Urban People  
Stainless steel - AISI 304  $\varnothing$  66 mm



Flange 4 holes - Paint  
Polyamide-6, fibreglass reinforced,  $\varnothing$  77 mm

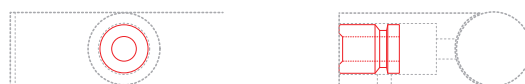


Flange 11 holes - Tubocolor, Polished stainless steel, (Urban People)  
Stainless steel - AISI 304,  $\varnothing$  70 mm



Flange 3 holes - Solo  
Stainless steel - AISI 304,  $\varnothing$  58 mm

#### Fixing cylinders



Single hole cylinder - Prestigio+  
Aluminium  $\varnothing$  21 mm



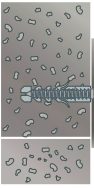



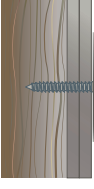
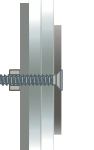
Single hole cylinder - Family  
Aluminium  $\varnothing$  22 mm

Please bear in mind that the particular configuration of the fixing systems, based on a cylinder that uses only one wall anchor point, requires great care during installation. The references in the table with the anchors recommended according to the type of wall, cannot be considered exhaustive. It is advisable to contact Ponte Giulio in case of doubts or to obtain specific installation instructions.

Anchors recommended according to the type of wall

Remember that the aids must be installed by qualified expert personnel, who are responsible for choosing the most suitable fastening elements according to the wall on which the aid must be installed.

Among other things, the installer must make sure that the wall, corresponding with the entire flange, is perfectly flat, without joints or protruding tiles. It is also necessary to make sure that the wall is suitable for the installation of the aid and that there are no weak points.

Type of wall	Recommended dowel
Concrete	 <p>Dowels type "SX8" Fischer Screws for chipboard TSP 6x70 stainless steel</p> <p>Drill hole with <math>\varnothing</math> 8 mm bit.</p>
"Gasbeton" blocks Light natural stone	 <p>Dowels type "SX8" Fischer Screws for chipboard TSP 6x70 stainless steel</p> <p>Drill hole with <math>\varnothing</math> 8 mm bit.</p>
Hollow bricks	 <p>Dowels type "SX8" Fischer Screws for chipboard TSP 6x70 stainless steel</p> <p>Drill hole with <math>\varnothing</math> 8 mm bit. Drill hole with rotation only, avoiding percussion</p>
Solid bricks Compact natural stone	 <p>Dowels type "SX8" Fischer Screws for chipboard TSP 6x70 stainless steel</p> <p>Drill hole with <math>\varnothing</math> 8 mm bit.</p>
Plasterboard Plywood or laminates	 <p>Screws for chipboard TSP 6x70 stainless steel</p> <p>Drill hole with <math>\varnothing</math> 8 mm bit.</p>
Coupled in wooden or multilayer fixing plate - 20 mm thick, installed between the uprights or against the wall	 <p>Screws TSP M8x60 stainless steel DIN 965 A2</p> <p>Drill hole with <math>\varnothing</math> 8 mm bit. The actual loadability of the system depends on the thickness of the sheet</p>

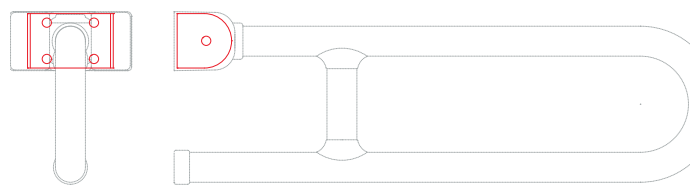
## INSTALLATION OF AIDS

### INSTRUCTIONS FOR THE INSTALLATION OF WALL-MOUNTED AIDS

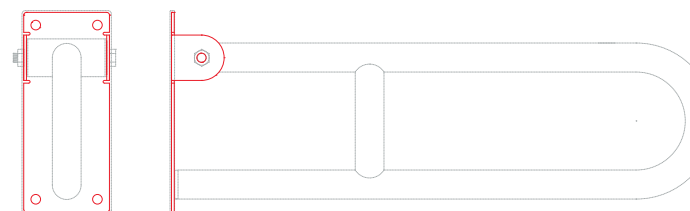
#### Fixing plates

Product types in which these systems are used

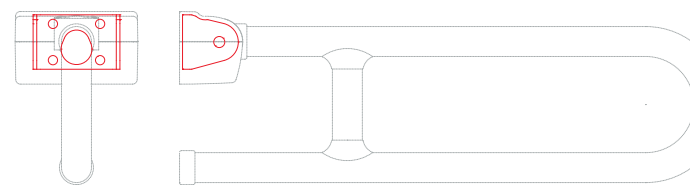
- Folding grab bars
- Fixed lateral grab bars
- Folding seats



"Reduced" plate Paint  
Stainless steel - AISI 304 [LxA] 94.5x60 mm.



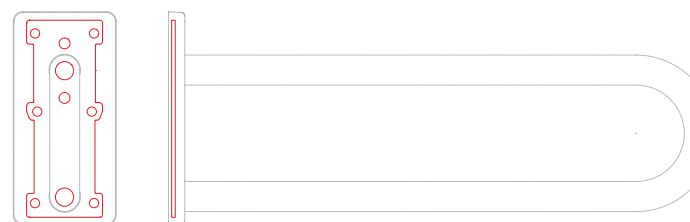
"Extended" plate Paint, Polished stainless steel  
Stainless steel - AISI 304 [LxA] 94.5x220 mm.



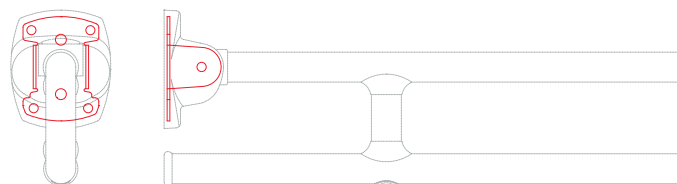
Tubocolor® "reduced" plate  
Stainless steel - AISI 304 [LxA] 95.7x60 mm.



Tubocolor® "extended" plate  
Stainless steel - AISI 304 [LxA] 83.5x190.5 mm.



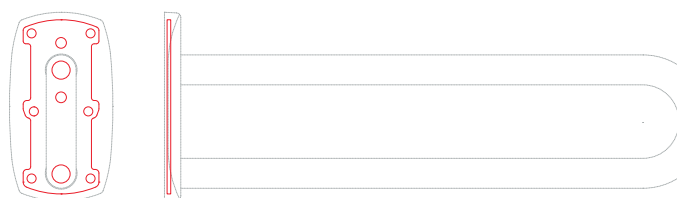
Tubocolor® "fixed" plate  
Stainless steel - AISI 304 [LxA] 83.5x216.5 mm.



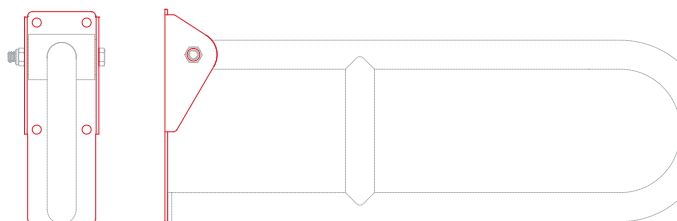
"Reduced" plate Urban People,  
Stainless steel - AISI 304 [LxA] 83,5x115 mm.



"Extended" plate Urban People  
Stainless steel - AISI 304 [LxA] 83,5x164 mm.



"Fixed" plate Urban People  
Stainless steel - AISI 304 [LxA] 83,5x192 mm.



"Extended" plate Stainless steel with satin finish  
Stainless steel - AISI 304 [LxA] 82x220 mm.



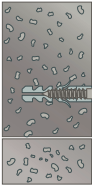
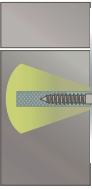

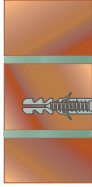

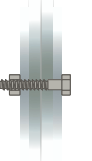
Bracket for removable plate HUG  
Aluminium - [LxA] 100x120 mm.

It should be noted that the particular configuration of the bracket for removable plate must be carried out carefully. The references in the table with the anchors recommended according to the type of wall, cannot be considered exhaustive. It is advisable to contact Ponte Giulio in case of doubts or to obtain specific installation instructions.

Anchors recommended according to the type of wall

Remember that the aids must be installed by qualified expert personnel, who are responsible for choosing the most suitable fastening elements according to the wall on which the aid must be installed.

Among other things, the installer must make sure that the wall, corresponding with the entire flange, is perfectly flat, without joints or protruding tiles. It is also necessary to make sure that the wall is suitable for the installation of the aid and that there are no weak points.

Type of wall	Recommended dowel
Concrete	 <p>Dowels type "S14W" Fischer Screws TE 10x90 DIN 571 Stainless steel</p> <p>For plates with holes <math>\varnothing</math> 10 mm. drill hole <math>\varnothing</math> 14 mm.</p>
"Gasbeton" blocks Light natural stone	 <p>Bushing type "FIP 14x80 M10i" Fischer Screws TSPCE M 10x30 DIN 7991</p> <p>Drill hole with conical bit PBB, inject resin type "Fischer FIS V or FIS VS".</p>
Hollow bricks	 <p>Bushing type "FIP 14x80 M10i" Fischer Mesh dowels type "FIP 20x85 R" Fischer Screws TSPCE M 10x30 DIN 7991</p> <p>Drill hole with 20 mm bit, with rotation only, avoiding percussion. Inject resin type "FIS V or FIS VS" Fischer</p>
Solid bricks Compact natural stone	 <p>Bushing type "FIP 14x80 M10i" Fischer Screws TSPCE M 10x30 DIN 7991</p> <p>Drill hole with <math>\varnothing</math> 16 mm bit, inject resin type "FIS V or FIS VS" Fischer.</p>
Plasterboard Plywood or laminates	 <p>Screws for chipboard TE 10x80 DIN 571</p> <p>Drill guide hole with 7 mm bit.</p> <p>Coupled in wooden or multilayer fixing plate - 20 mm thick, installed between the uprights or against the wall</p>
Plasterboard Plywood or laminates	 <p>Screws TBCE class 10.9 M 10x80 ISO 7380</p> <p>Drill hole with <math>\varnothing</math> 8 mm bit. The actual loadability of the system depends on the thickness of the sheet</p>