



# GL LOCATELLI

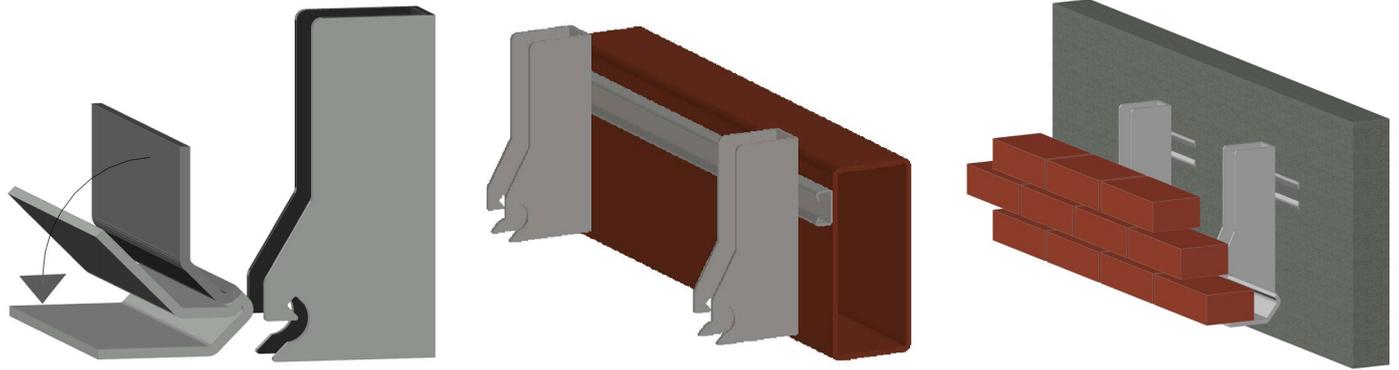
Anchoring systems

## Building Construction GL Brick support facades

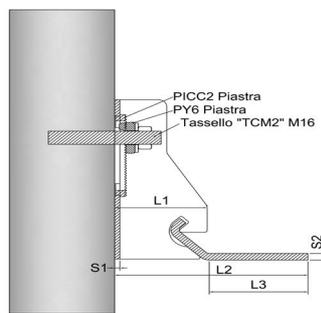
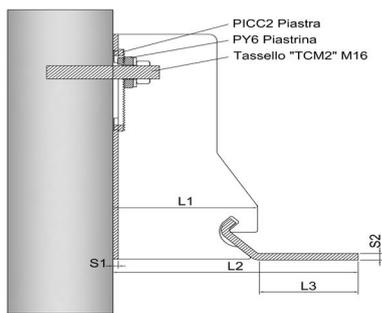


UNI EN 845/2008



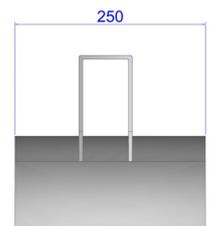
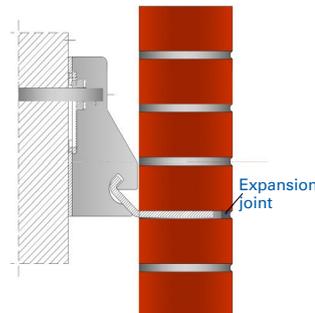
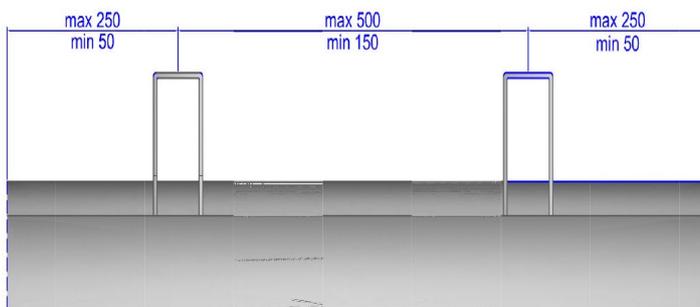


GL Brick is an approved system of brackets for the construction of facades and aerated coat, made of face bricks. The support system GL Brick is the result of a long experience in the market and advanced research with tests carried out at the laboratories of the prestigious Italian universities. The system shelf GL bricks Brick is easy to use, positioned the wall bracket can make the adjustments to compensate for mistakes of implementation of the structures. You installed the bracket height adjustment via toothed slot. Lastly you need Rotate the support plate in the hollow bricks and GL Brick is laid. GL Brick can be installed on different types of structures: steel, wood, masonry blocks and of concrete elements, with the aid of suitable profiles anchor CE marked using metallic dowels. The system allows the adjustment in all three directions providing extremely precise positioning of the masonry.



**68L5P6 - 68L6P8      68S5P6 - 68S5P8**

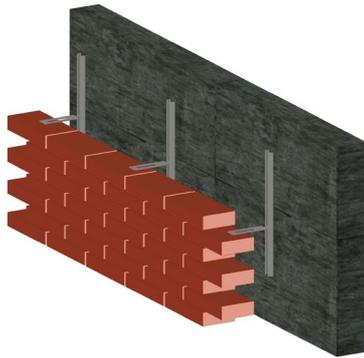
Typology	Dimensions					
	L1 (mm)	L2 (mm)	L3 (mm)	S1 (mm)	S2 (mm)	Portata kN
<b>68L5P6</b>	139±3	236±3	95±3	5+0,25	6+0,3	9,03
<b>68L6P8</b>	139±3	236±3	95±3	6+0,30	8+0,3	11,60
<b>68S5P6</b>	89±3	186±3	95±3	5+0,25	6+0,3	9,96
<b>68S5P8</b>	89±3	186±3	95±3	5+0,25	8+0,4	15,72



GL Brick allows to realize infill with plates standard support (length 1000 mm) or to use support plates with lengths to size suitable for creating elements of completion as : parapets, coatings of areas of small dimensions, contours window, vaults. GL Brick in its production ranges, resolve any situation that may occur on site. GL Brick is tested for high loads, is able to withstand loads up to 15,72 kN equivalent to facades of m.7 of height



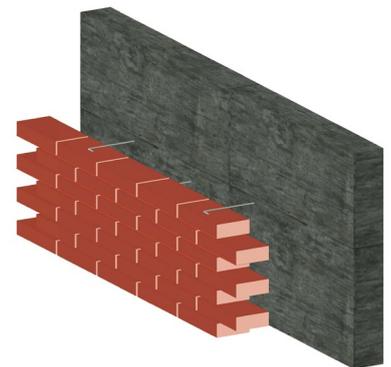
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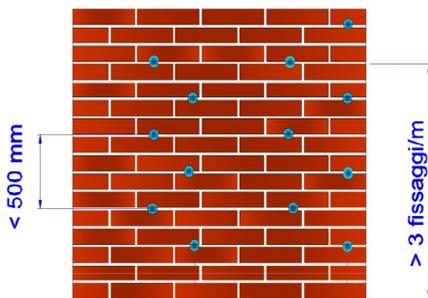
The wind anchor system GL Brick are all made in stainless steel AISI 316 (A4) and offer maximum flexibility of installation.

For a quick and reliable installation, we recommend the use of profiles anchor type GL1 or GP1, placed vertically in front of facade, able to accommodate the plates AP that connect the loadbearing masonry with brick facade. If there hasn't been predisposed these profiles, the bracing system is ensured by using of specially shaped retainers which are fixed to the rear structure by drilling and injection of chemical anchoring.

All our systems wind anchor must be placed in the escape of this mortar between the bricks.



In the exposed masonry is essential to insert the vertical joints of expansion (with thicknesses of around 15–20 mm) in addition to the horizontal joints in correspondence of the anchoring systems. The center distances between joints depend on the climatic conditions, the behavior of the material and color of the facade, as well as by the geometry of the building (presence of intersections, corners, etc.). Normally, it is necessary to provide vertical expansion joints at the corners of the coatings, joints adjacent to the corners must be provided to a maximum spacing of 4 m successive I can be realized at a maximum spacing equal to 8 m. Ultimately, it is recommended to make the masonry face to view a grid of vertical and horizontal joints that lead to the production of panels with a maximum size of 6,5 to 7,0 m in height (2 interpiani 8 m in length).



**Information on the minimum number of wind anchors to be used per m<sup>2</sup>**

Application	Minimum wind anchor per	Diameter
In the case of masonry with height greater than 12 m and distance between bearing element and masonry between 90 and 115 mm	5	4
In the case of distance between bearing element and masonry between 140 and 165 mm	5	4
In all other cases not covered by those identified above.	5	3



AM04240A4 wind anchor system used in the presence of load-bearing masonry is not ready. The elements in stainless steel AISI 316 (A4) are positioned inside holes previously executed by means of a drill and fixed with a GLR400 chemical anchor.

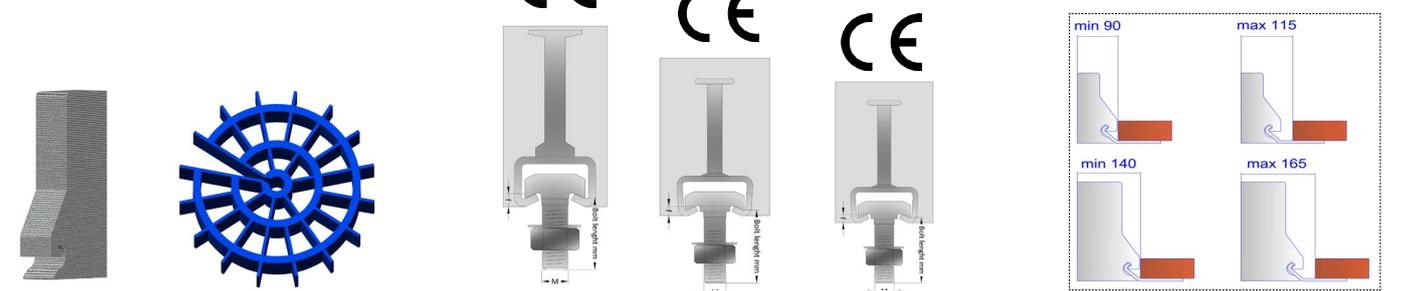
Wind anchor system AZ04240A4 used with anchor profiles prepared behind the structure/ masonry. The installation of the braces in stainless steel AISI 316 (A4) is so fast and accurate, ensuring maximum flexibility and precision in the execution of the facade.

Bracing system AP03170A4 used with anchor profiles prepared in the structure / masonry behind. The installation of the braces in stainless steel AISI 316 (A4) is so fast and accurate, ensuring maximum flexibility and precision in the execution of the facade.

**Accessories** | **Choice of typology**

Optional		Anchor channels			Distance from masonry	Height	Height
Insulation bracket	Drop break	GP 54/33	GP 50/30	GP 40/223	Insulation thickness + air tube mm	3,50 ml	7,00 ml

68LC	AMRG36	Frd = 31,6 kN	Frd = 17,2 kN	Frd = 11,1 kN	da 90 a 115	S5P6	S5P8
68SC					da 140 a 165	L5P6	L6P8





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