SESAMO

GLASS WING CLAMP

Door accessories

INSTALLATION MANUAL

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TÜVRheinland
ID:9105038848

CERTIFICATE

The Certification Body TÜV Rheinland Italia S.r.l.

certifies, in accordance with the TÜV Rheinland Group procedures, that the Company

SESAMO S.r.l.
Strada Gabannone, 8/10
I - 15030 Terruggia (AL)

SESAMO

has established and applies a quality management system for the following scope:

Design, manufacturing and assistance of automatic entrance devices. EA 17, 18

Through an Audit, Report No. 1130610, proof has been furnished that the quality management system fulfils the requirements of the standard

UNI EN ISO 9001:2008

Please refer to the Quality Manual for the details about the exclusions with respect to the requirements of the standard.

Certificate Registration No. **39 00 1130610**.

This Certificate is valid from 2011-08-20 to 2014-07-15.

The reference date for all the next audits is (day-month): 04-06.

Milan, 2011-08-20. First Certification: 2006-10-17

The certification responsible
TÜV Rheinland Italia S.r.l., Via E. Mattei, 10 - I - 20010 Pogliano Milanese (MI)

ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

SGQ N° 083A
Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

www.tuvitalia.com

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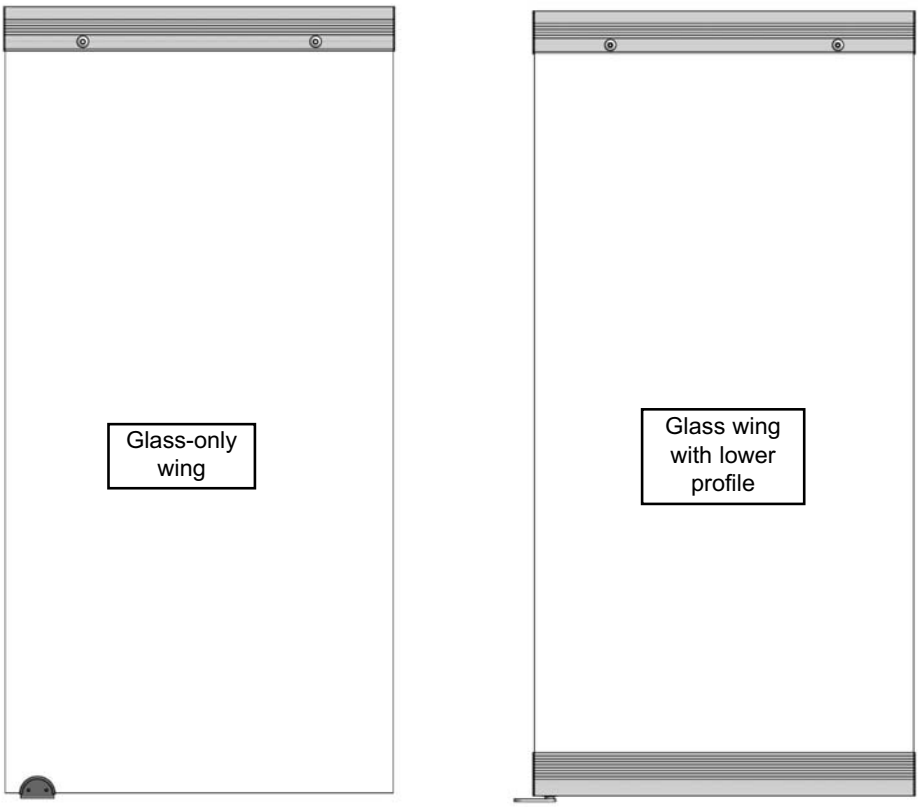
Introduction

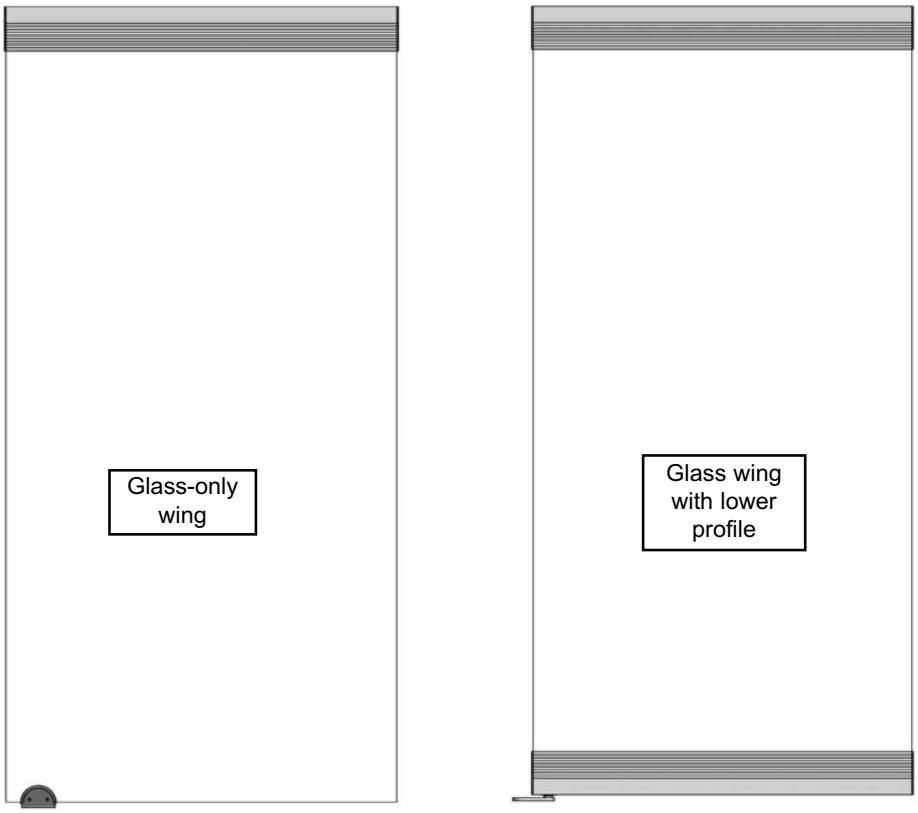
We would like to thank you for choosing this product.
In order to optimize the assembly and installation of the GLASS WING CLAMP profiles, the Sesamo Company recommends that you read and carefully follow the installation and use instructions provided in this manual. The installation must be performed only by professionally qualified personnel for whom this manual has been written. Any errors during the installation phase may be a source of danger for people or things. The packaging materials (wood, plastic, cardboard, etc.) should not be discarded in the environment or left within reach of children since they are potential sources of danger. Every individual installation phase must be performed in conformity with current regulations and according to Good Practice principles. Ensure, before beginning the installation, that the product is complete and has not been damaged during transport or as a result of improper storage. Before installing the product ensure that each architectonic and structural element of the entrance is suitable and sufficiently sturdy to be automated. Conduct a careful analysis of the risks and make appropriate modifications to eliminate areas of dragging, crushing, shearing and danger in general. SESAMO is not responsible for any non-compliance with "good practice" or specific regulations during construction of the frame to be motorized. All the protective safety devices of the automatic door (photocells, active sensors, etc.) must be installed in conformity with the regulations and directives in force, taking into consideration the risk analysis carried out, the typology of the system, its use and traffic as well as the forces and inertia in play. Always pay particular attention to the zones where the following may occur: crushing, shearing, dragging and any other danger in general, placing appropriate signs as needed.
Use only original spare parts in maintenance or repair operations.
The GLASS WING CLAMP profiles have been designed for the realization of automatic entrances. Any other use will be considered contrary to the use foreseen by the manufacturer who, consequently, cannot be held liable.

Glass wing diagrams

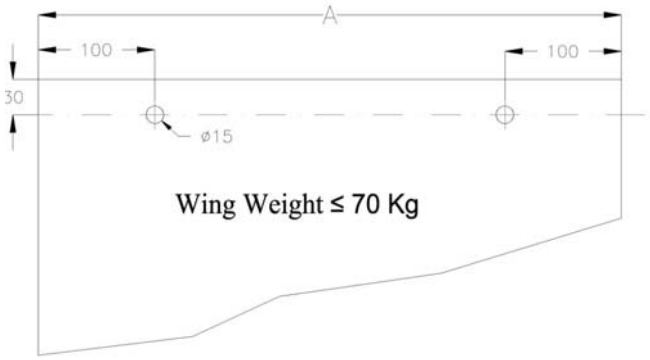
Glass clamp profile with screws

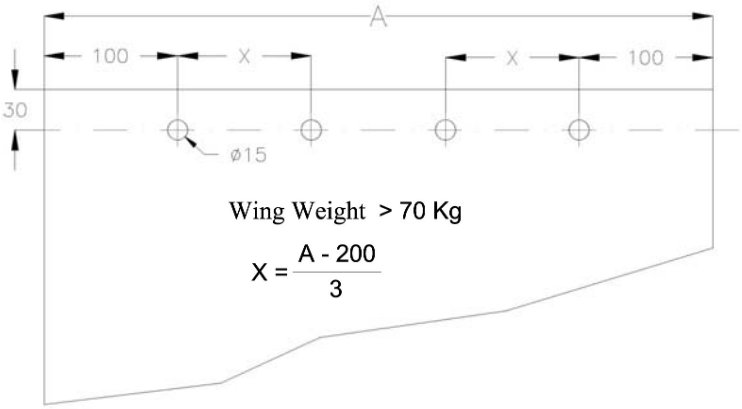


Glass clamp profile with silicone



Glass wing clamp profile with screws





Glass drilling heights

For realization of the wing using the clamp profile with screws, use only heat-strengthened glass measuring 10 or 12 mm and worked according to the drilling heights shown in the figures to the side.

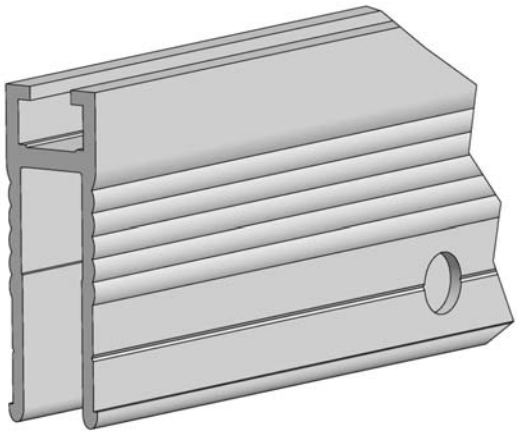
CAUTION

Do NOT use compound glass for realization of the wing when using the profile clamp with screws.

CAUTION

To calculate the weight of the glass wing, use the following formula:

Wing Weight (Kg) = 2.5 x glass dimension (in m2) x glass thickness (in mm)



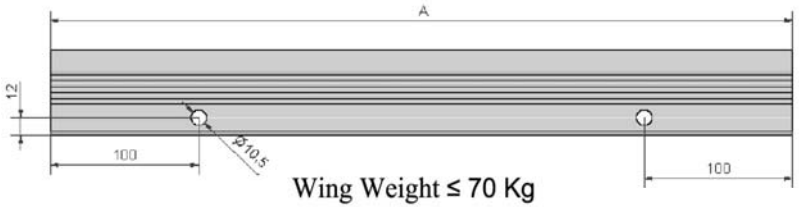
Profile cutting and drilling

For correct working of the profile, proceed as follows:

- Cut the aluminium clamp profile at a height equal to the width of the glass.
- Slip the clamp profile onto the glass and obtain the correct position of the fastening holes.
- Make suitable holes with a diameter of 10.5 mm on the clamp profile.

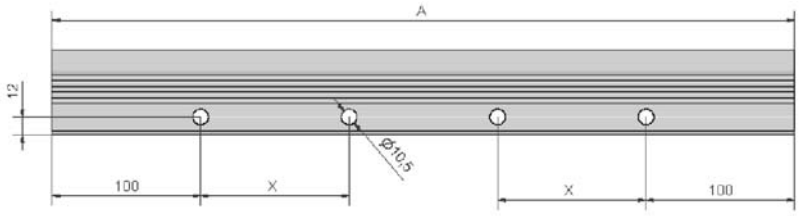
CAUTION

Make sure that the profile clamp is cut to the same measure as the glass so as to allow the correct application of the profile finishing cap.



CAUTION

The lack of a perfect alignment between the holes made on the aluminium profile clamp and the holes made on the glass will compromise the subsequent assembly of the glass wing clamp.

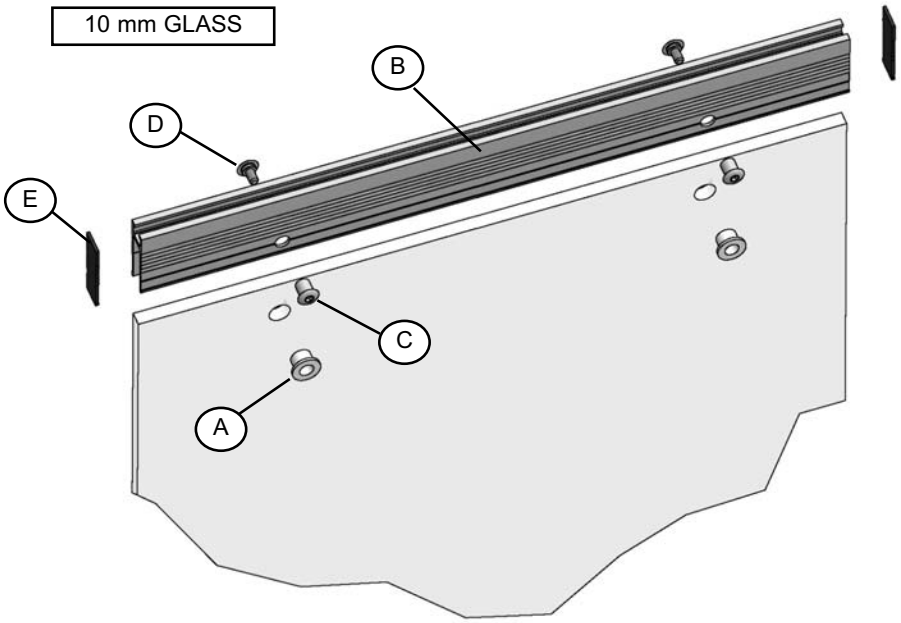


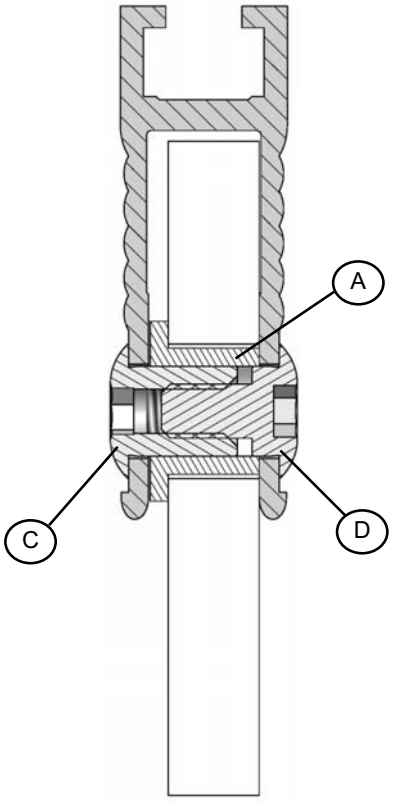
Wing Weight > 70 Kg

$$X = \frac{A - 200}{3}$$

Profile assembly

10 mm GLASS





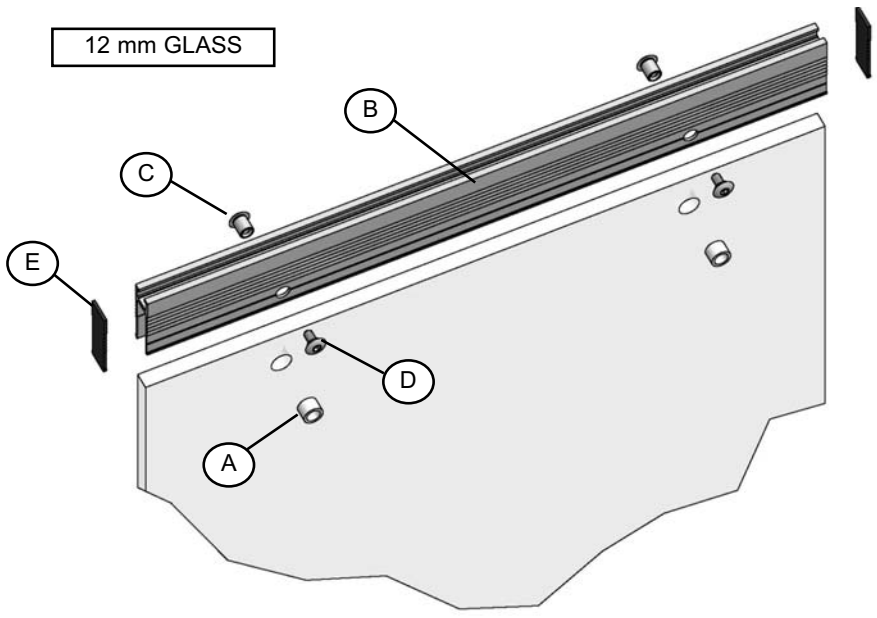
For correct assembly of the glass wing, proceed as follows:

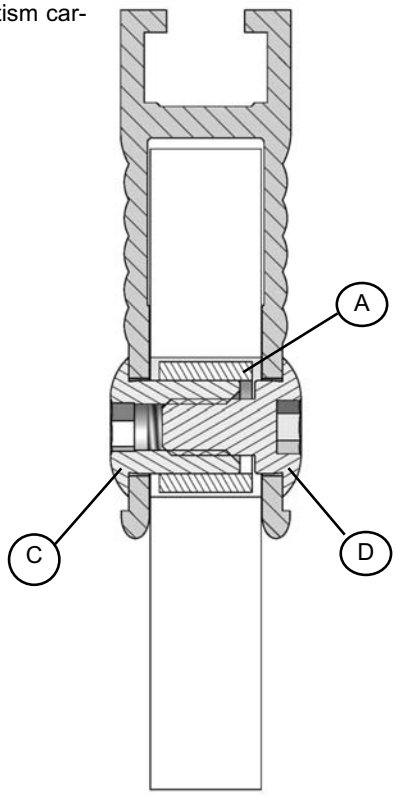
- Position the appropriate Nylon bushings (**A**), chosen on the basis of the glass to be used, inside the holes.
- Slip the clamp profile (**B**) onto the glass, aligning the fastening holes made on the profile with the holes on the glass.
- Insert the female bosses (**C**) and male bosses (**D**) inside the fastening holes.
- Screw on the bosses with a tightening torque equal to 5 Nm
- Apply the special profile finishing cap (**E**) to the two ends of the glass wing clamp.

A	Nylon bushing
B	Clamp profile
C	Female boss
D	Male boss
E	Profile finishing cap

Use M8 x 16 hexagon screws with plain serrated washer for fastening to the automatism carriages.

12 mm GLASS





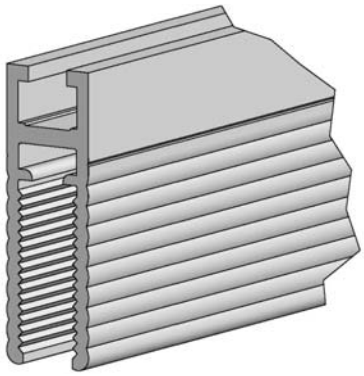
Glass wing clamp profile with silicone

Silicone characteristics

Use exclusively adhesives designed for structural bonding of glass that have the following characteristics:
- excellent mechanical properties;
- excellent adhesion on the anodized and painted aluminium profiles;
- quick polymerization;
- excellent resistance to atmospheric agents, ultraviolet radiation, heat and humidity.

CAUTION

In order to obtain an ideal bonding of the glass, use only high-performance structural adhesives and follow the technical instructions provided by the manufacturer of the chosen adhesive (not contained in this manual) during application.
Check, however, the compatibility between the weight of the chosen glass and the load specifications indicated by the manufacturer of the chosen adhesive.



Profile cutting, siliconing and assembly

For wing realization using the profile clamp with silicone it is possible to use heat-strengthened glass or compound glass measuring 10 mm.

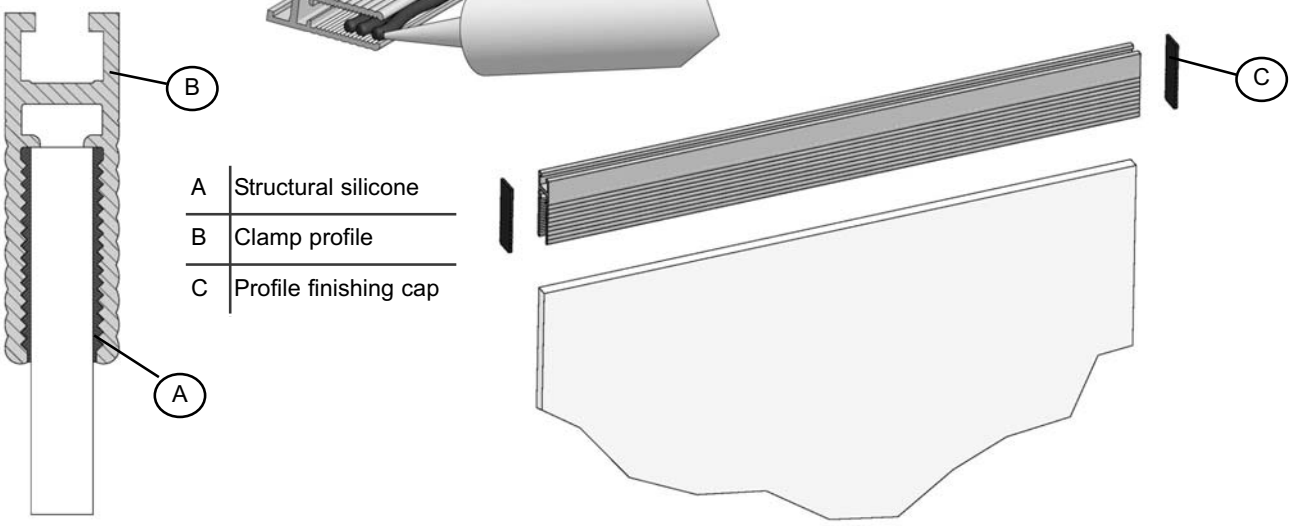
For correct assembly of the glass wing, proceed as follows:

- Cut the aluminium clamp profile at a height equal to the width of the glass.
- Perfectly clean and dry the internal parts of the aluminium profile and the surfaces of the glass, removing any trace of contaminants such as grease, oil, water, dust, etc.
- Apply the adhesive silicone (**A**) without interruptions for the entire length and height, on both parts, of the special internal serrated part of the profile.
- Slip the clamp profile (**B**) onto the glass; the coupling must occur before the curing of the silicone begins.
- Apply the special profile finishing cap (**C**) to the two ends of the glass wing clamp.
- After application, clean off any silicone smudges on the glass.
- In order to allow the regular hardening of the adhesive, it is advisable to install the wing about 24 hours after the silicone application.

Use M8 x 16 hexagon screws with plain washer for fastening to the automatism carriages.

CAUTION

Make sure that the profile clamp is cut to the same measure as the glass so as to allow the correct application of the profile finishing cap.



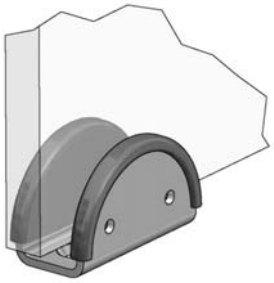
Guide assembly and positioning

Glass-only wing guide, 10 mm and 12 mm

Slip the two plastic components onto the walls of the stainless steel guide.
Position and set out the correct position of the guide.
Fasten the guide to the floor with AF 4.2 x 40 TPS screws and respective 6mm plugs.

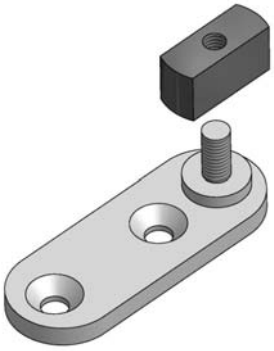
CAUTION

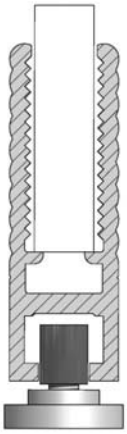
Verify that the characteristics of the floor are such as to guarantee a correct and solid fastening of the guide.



Glass wing with profile guide sliding block

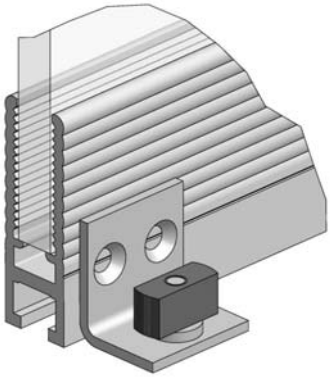
Adjust the height of the glass wing so that it is equal to min 8mm along the entire run.
Move the wing into the closed position, slip the sliding block into the special seat and set out the correct position of the guide sliding block.
Fasten to the floor with a 6mm plug at the central hole of the plate. The two fastening holes allow to perform a slight adjustment of the position of the sliding block axis by rotating the plate around the axis of the central hole. When the ideal position is obtained, mark the centre of the hole for the second plug and fasten it.

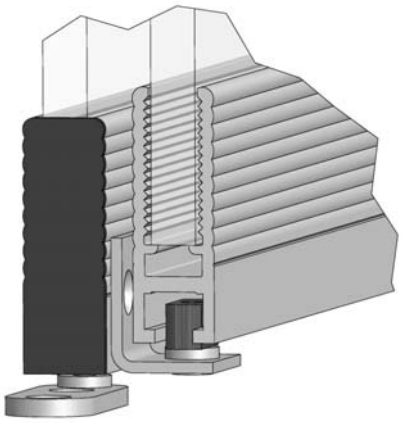




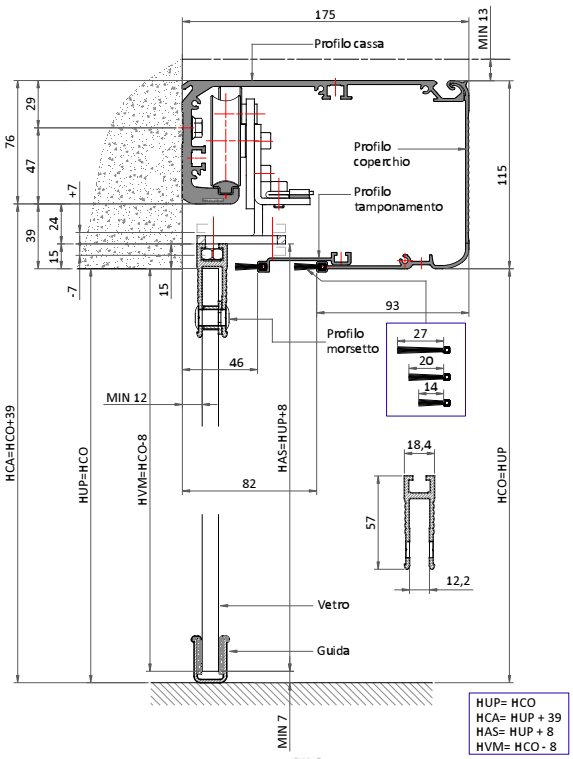
Fast telescopic glass wing with profile guide sliding block

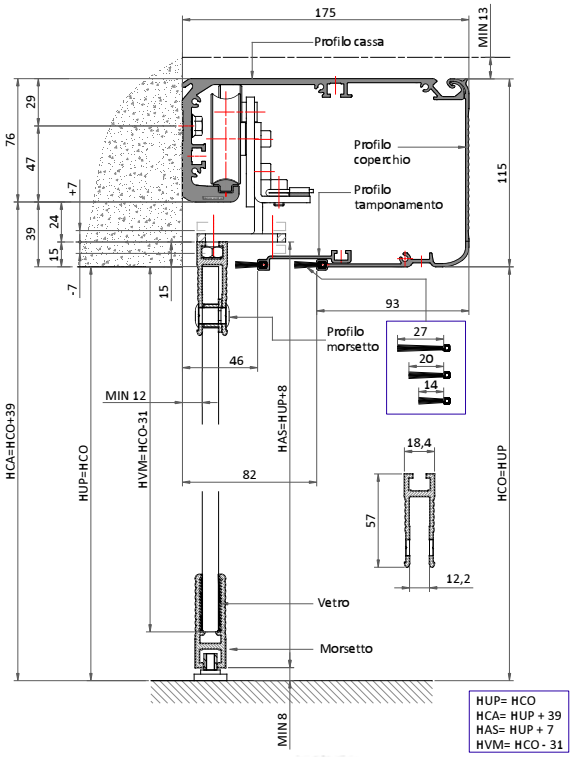
Fasten the special guide sliding block to the slow wing using two AF 4.2x9.5 TPS screws at the slot on the silicone clamp profile.



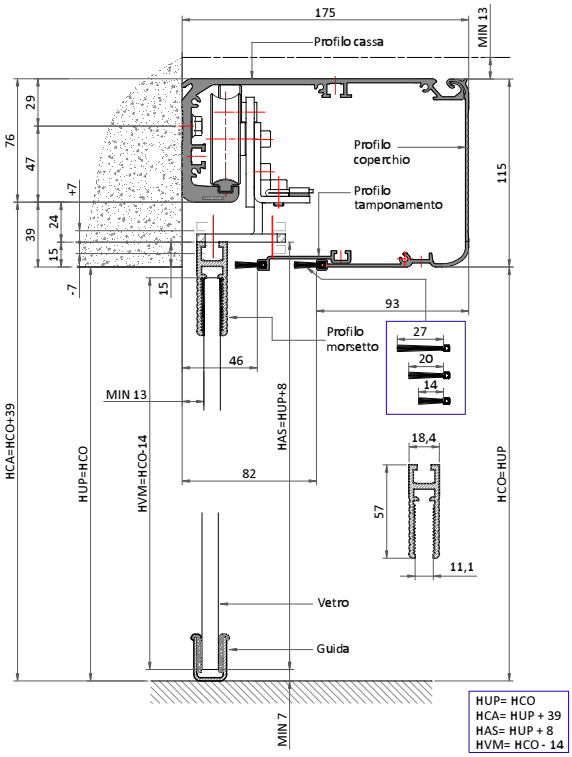


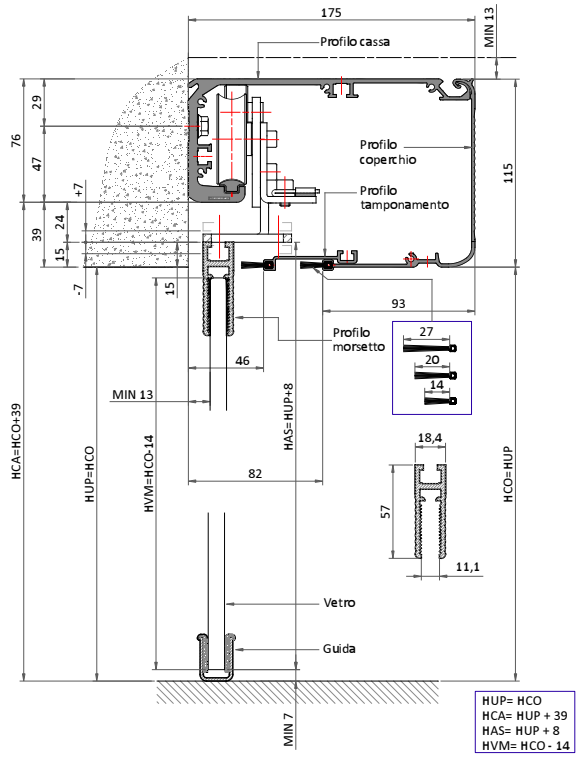
Positioning height with Dualcore automatism - valid for LH100/LH140/RD100



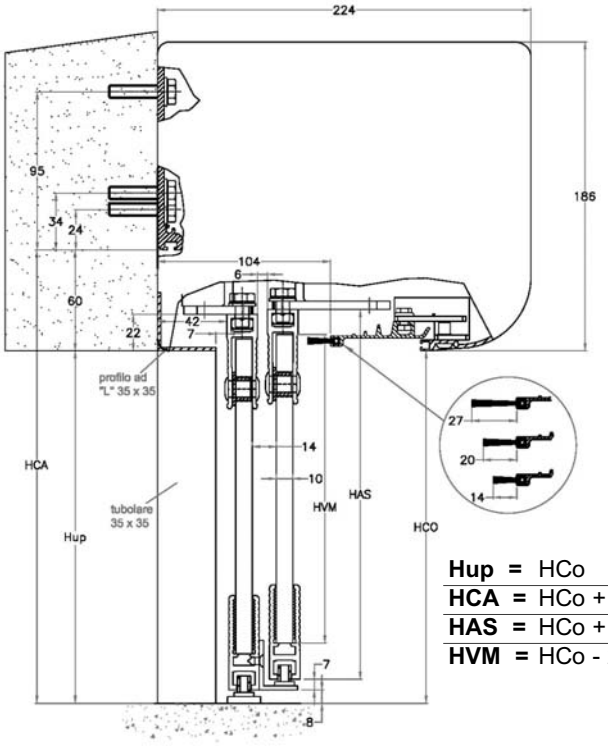


Hup = Usable passage height
HCA = Automation box height
HAS = Sliding wing height
HVM = Moving glass height

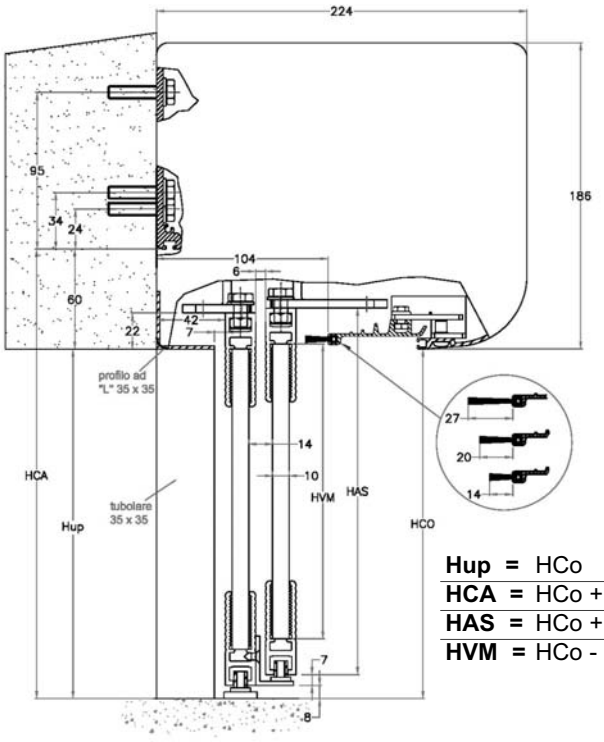




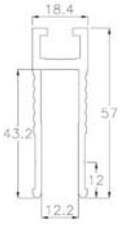
Positioning height with Telescopica Millennium automatism



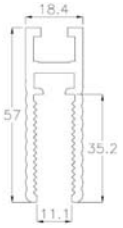
Hup = HCo
HCA = HCo + 60
HAS = HCo + 14
HVM = HCo - 23



Hup = HCo
HCA = HCo + 60
HAS = HCo + 14
HVM = HCo - 30



Hup = Usable passage height
HCA = Automation box height
HAS = Sliding wing height
HVM = Moving glass height



GLASS WING CLAMP

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