CANOPY

EN

Climaglide®

Mounting instructions carrier system - 10 mm

Art.N° 80574

SKYLUX®
Hello daylight!

Safety

Take the necessary and required safety precautions, such as safety nets and lifelines when installing from the outside, safety goggles, gloves, hard hat, etc.
Do not step on the glass.

Falling from height

- When using ladders to go on the roof:
  - Ladder in good condition?
  - Set up correctly at an angle of 75°?
  - Secured below and on top against moving?
  - Don't take heavy material with you on the ladder (3-point contact rule)! If possible, use a crane to lift the material.
- If you are going on the roof, make sure there is a walking surface that is wide enough and that supports on the beams of the lower structure.
- When using an aerial work platform: always wear and secure your harness (mandatory)! Leaving the cage is forbidden.
- Never walk backwards on a roof, always walk forwards.
- Make sure there's enough light in the working zone.

Low-hanging obstacles and falling loads

- Forbidden to walk under or within a radius of 1 m of a hanging or lifted load.
- Demarcate the danger zone below the zone where there is a risk of material falling down during the installation of the veranda.
- It's prohibited to enter these danger zones during construction.

Crushing hazard

- All working tools are in good condition, provided with a valid CE label and all necessary safety regulations. These cannot be removed.
- People who use these working tools are educated for this purpose. Protections are always present on all working tools. They are in good condition and need to be set correctly.

Tripping/falling

- Safety is key and it begins with order and tidiness. Clean everything immediately, leave nothing lying around.
- Trash needs to be sorted.
- Be cautious with electric cables (danger of tripping/falling). Never walk backwards!
- Make sure there's enough light in the working zone.

Sharp objects

- Make sure your fingers/hands are not pinched and watch out for cuts while handling veranda parts.
- Be careful where you put your hands during the installation.
- Wearing cut-resistant gloves is mandatory.

Ergonomics

- Always lift loads correctly: bend your knees, move your feet instead of forcing your spine, lift as close to your body as possible.
- Parts of more than 25 kg must be lifted with at least 2 persons.

Personal protective equipment

- Work clothes, safety shoes and helmet are mandatory for everyone.

- Lifeline and harness are mandatory if the edge is not secured enough or if there are no safety nets below the veranda roof. They are also necessary when using an aerial working platform.

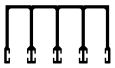
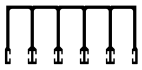
- Use gloves when handling veranda parts.

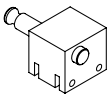
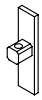
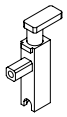
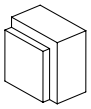
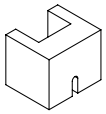
- Safety glasses and hearing protection are mandatory when using saws / grinders.

Always perform a Last Minute Risc Analysis!
If in doubt: STOP! Do not take unnecessary risks. Ask your supervisor if needed.

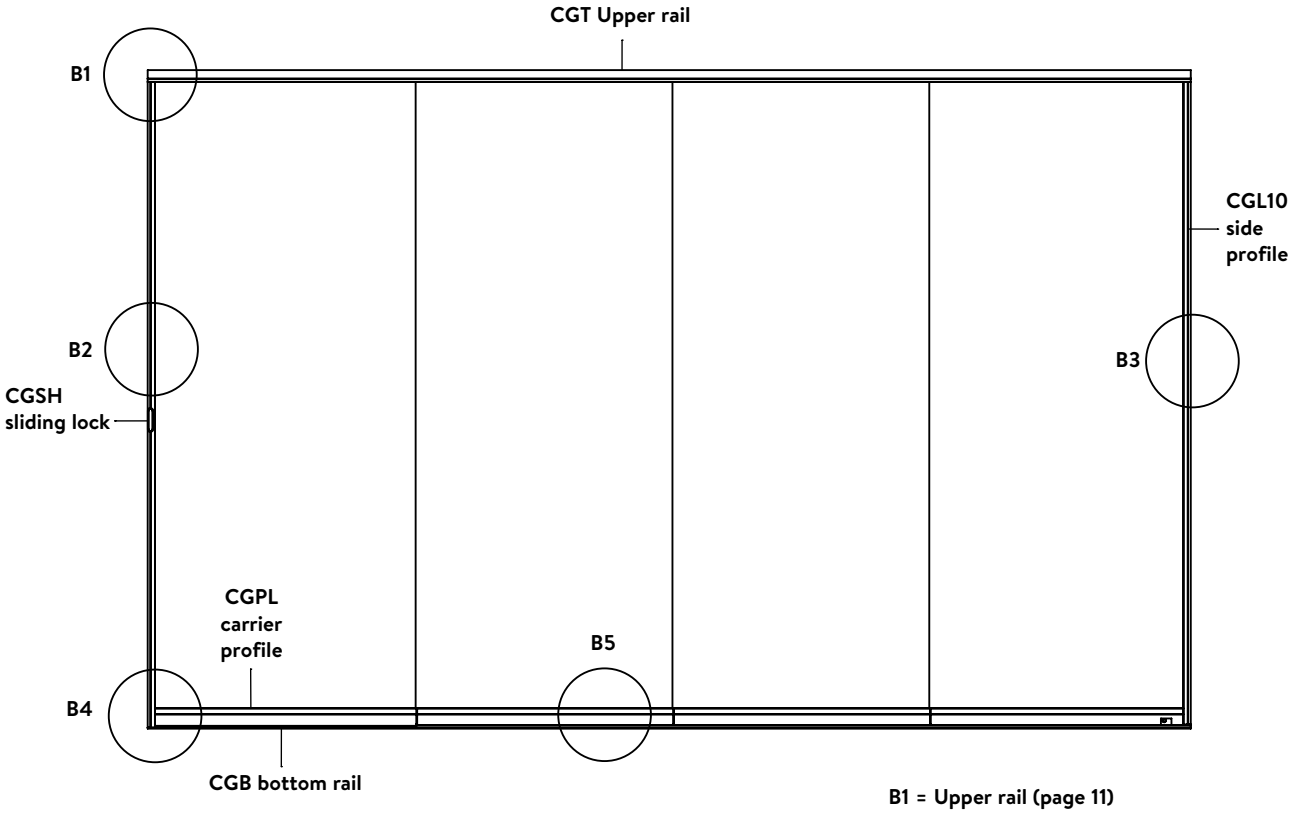
Contents

Overview profiles and parts

	CGT310	Upper rail for 3 glass panels
	CGT410	Upper rail for 4 glass panels
	CGT510	Upper rail for 5 glass panels
	CGB3	Bottom rail for 3 glass panels
	CGB4	Bottom rail for 4 glass panels
	CGB5	Bottom rail for 5 glass panels
	CGL10	Side profile
	CGPL10	Carrier profile
	VRCG08	Seal for glass

	CGBL	Latch block
	CGPLS10	End piece
	CGPLL10	Lock
	CGSHS	Side profile with sliding lock
	CGCAL10U	Upper mounting block
	CGCAL10D	Lower mounting block

Drawing

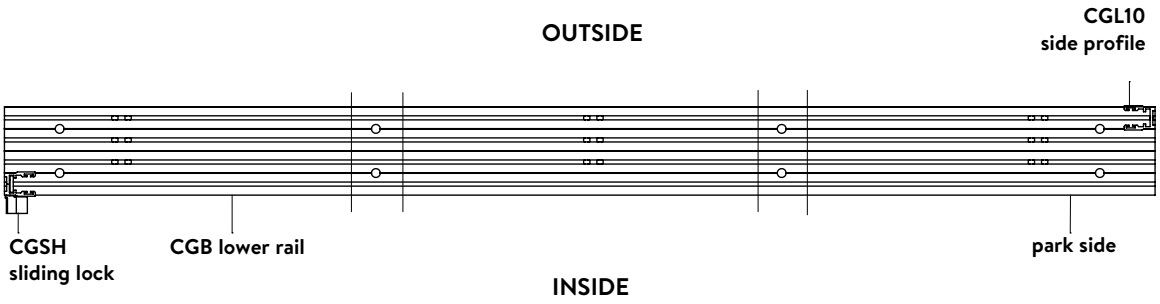


B1 = Upper rail (page 11)
B2 = Side profile with sliding lock (page 12)
B3 = Side profile (page 12)
B4 = Bottom rail (page 13)
B5 = Sliding element (page 14 – 15)

Use and versions

Climaglide is a glass sliding partition for single glazing. This system can be locked on the inside, and provides some protection against wind and rain. The sliding elements can be slid open to 1 or 2 sides, creating a large opening. Climaglide is suitable for closing a non-thermal break conservatory roof such as Climax Panorama, Climalux and Climalite.

The lower rail (CGB) has 3,4 or 5 tracks (X), is fully pre-drilled and supplied on a custom basis.



A glass sliding partition consists of several sliding elements (YY). The left and right side are determined based on an inside position.

With a single system, the sliding elements can be parked either to the left (L) or to the right (R).

With a double system, half the sliding elements are set to the left, half to the right. The bottom rail is pre-drilled twice beneath the track at the inside. This allows you to lock the system from the inside.

The glazing is provided by the customer/fitter in toughened (tempered) glass with a thickness (D) of 10 mm.

The version of your Climaglide glass sliding partition is determined by a code CG XYY L/R D:

Example:
CG 303 L 10 is a Climaglide glass sliding partition with 3 tracks and 3 sliding elements that open to the left (seen from the inside out). It is equipped with a glass thickness of 10 mm.
CG 408 LR 10 is CIlimaglide glass sliding partition with 4 tracks and 8 sliding elements that partly to the right. It is equipped with a glass thickness of 10 mm.

General installation tips

Please read this manual carefully.
Installation must be carried out by people with sufficient technical knowledge and experience of constructions. The fitter must take the necessary safety precautions during installation, such as the use of scaffolding and personal protective equipment (safety shoes, hard hat, gloves, safety goggles, etc.) in order to work in safe conditions. During construction, adequate precautions should be taken to ensure the stability of the unfinished construction.

Fixing materials
The fixing materials required are chosen by you depending on the base. The screws and plugs for screwing the profiles into the sill, the stanchions or the gutter profiles are not included. Use custom stainless steel countersunk screws. Make sure the base and walls to which the unit is to be anchored are sufficiently strong. The fitter must personally decide which fixing materials are suitable for the load and the base to which the unit is to be secured. In case of doubt, we recommend that you contact your fixing materials supplier or a specialized engineering office.

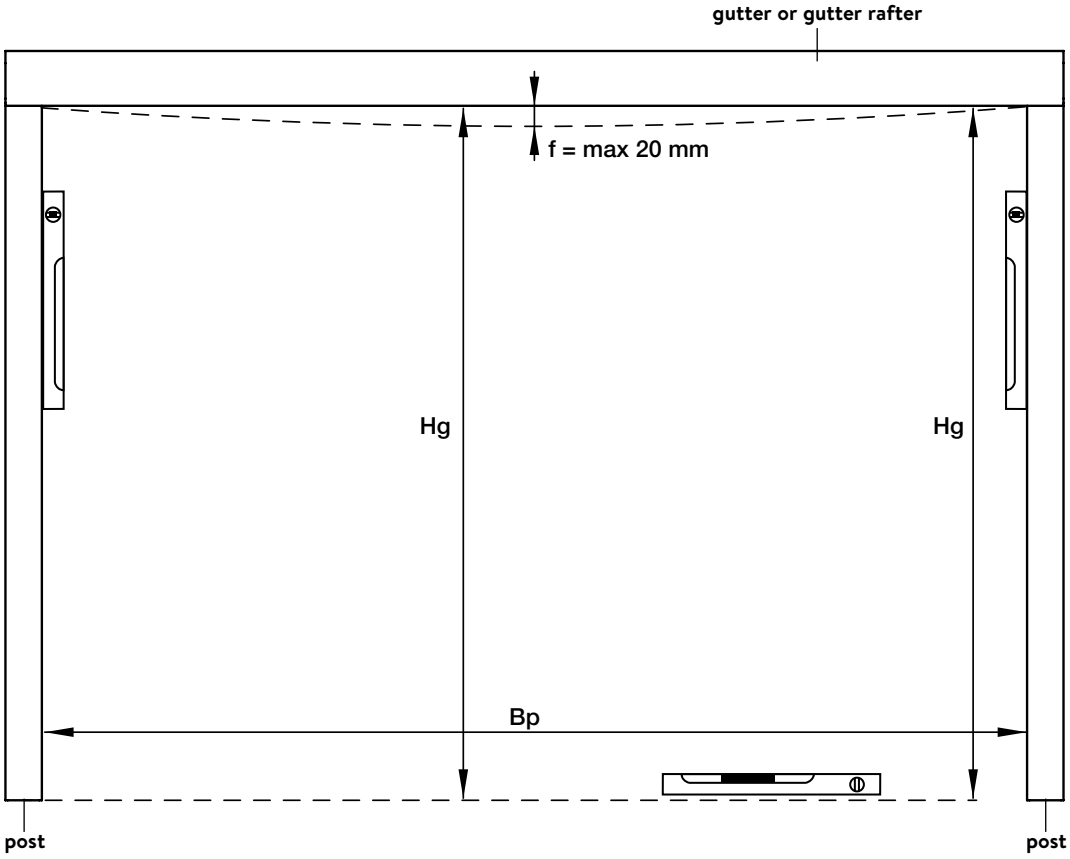
Lower rail
We recommend not to install the lower rail on the inner floor, but 2 mm lower.
If you install the rail more than 2 mm lower, please note that you will need to adjust the glass height.
In any case, always make sure that the bottom rail does not lean to the inside.

Skylux is not responsible for installation and for the fixing materials used.

Conditions and warranty
The warranty becomes invalid if the installation instructions below are not followed. Failure to follow these instructions and/or the use of other parts may adversely affect the safety and life of the product. Deviations are not permitted without the written permission of the manufacturer. Our installation manual is based on our latest knowledge and technology status. We cannot be held liable for any incomplete information. Always check whether our product is suitable for your use.
Since our product is processed and assembled outside of our supervision, any damage cannot be attributed to Skylux. The fitter must bear in mind the specified dimensions of the glazing and the wind load in accordance with applicable standards.
The manufacturer reserves the right to make technical changes without prior verbal or written notice. Skylux reserves the right to amend this manual without prior notice. Changes in the installation instructions or to the product carry no right to compensation or exchange of parts.
The most recent version of this manual can be consulted at any time at www.skylux.be.

Measuring your Climaglide glass sliding partition

Make sure the opening is perfectly square. The sill into which the lower rail is screwed must be perfectly level to allow the sliding partition system to work properly. If the deflection of the upper profile (gutter) is more than 20 mm, the glass sliding partition cannot be installed. Bear in mind that the lower and upper rails are X times 20 mm wide. A system with 3 tracks is therefore 60 mm wide. The stanchion on the parking side against which the glass sliding partition is installed must have at least the same depth.



Determining the dimensions

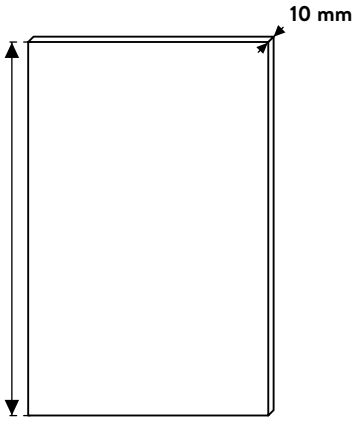
Measure the **width (Bp)** between the posts.

Measure the **height (Hg)** from sill to gutter and check whether this corresponds to the sliding partition ordered. The height (Hg) in the middle of the opening and at the side may differ by a maximum of 20 mm. Bear in mind that the deflection of the gutter may be greater when loaded with snow. The maximum height Hg is 3000 mm. The maximum weight of the glass is 80 kg.

The package delivered with the profiles and accessories is prepared with the greatest care in accordance with the dimensions provided. First check that you have received all the parts.

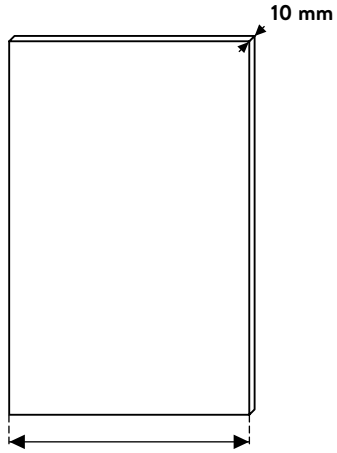
Dimensions of the glass plates

The height of the glass plate is: Hg – 85 mm.



The glass plates are distributed evenly across the width.
The width of the glass plate is:
- For a single system: (Bp-31,6+31*(X-1))/X-2,5
- For a double system: =(Bp-31,6-7+31*(X-2))/X-2,5

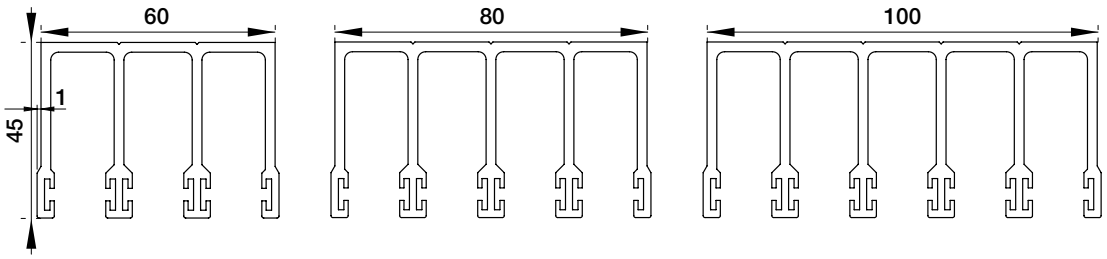
The glass dimensions have to be calculated. The maximum weight of the glass is 80 kg.
(where X is the number of panels)



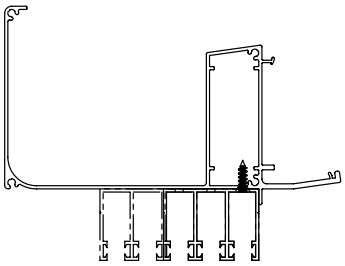
Below is a calculation example to clarify this.
Given:
A single system CG 303 L 10 with a total width Bp of 2975 mm and an Hg of 2150 mm This glass sliding partition has 3 panels (X) and 3 tracks
Calculating the height of the glass plates:
2150 – 85 = 2065 mm
Calculating the width per glass plate: (2975 -31,6+31*(3-1))/3-2,5= (2975 - 31,6+31*2)/3 – 2,5 = (3005,4)/3 – 2,5 = 1001,8-2,5 = 999,3 mm = 999 mm.
For this glass sliding partition, 3 glass plates of 997 x 2065 mm must be ordered in tempered glass of 10 mm, the side edges of which must be ground.

Specific installation tips

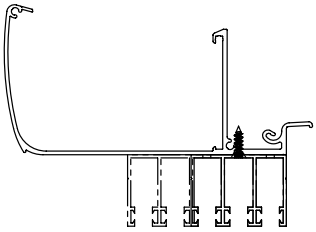
Upper rail (CGT)
Check whether the upper profile can be anchored without perforating the gutter itself. As far as possible, it must therefore be possible to anchor the profile in the rearmost part of the gutter profile.
Pre-drill upper profile with Ø 5-6 mm with a gap of approximately 70 cm and 4 cm from the ends. Give each hole a chamfer so that the screw head is sunk.
Use countersunk screws to secure the profile (not supplied).
In the case of the GX gutter (Climalux), always do this in the first slot.
In the case of a GL gutter (Climalite), always do this in the second slot.
In the case of a GDG gutter (Climax Panorama), do this staggered in the first and third slots.
In the case of a GXLX gutter (Climalux Horizon), always do this in the second slot.



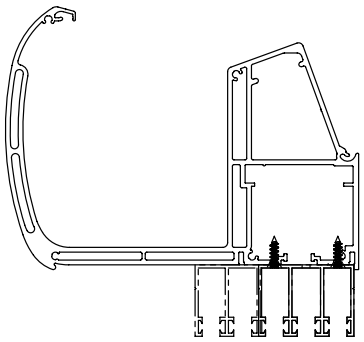
CGT310 **CGT410** **CGT510**



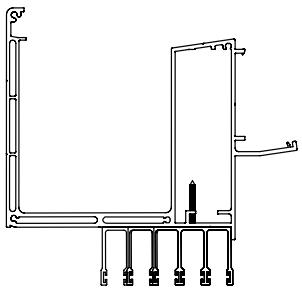
Climalux
CGT + GX



Climalite
CGT + GL

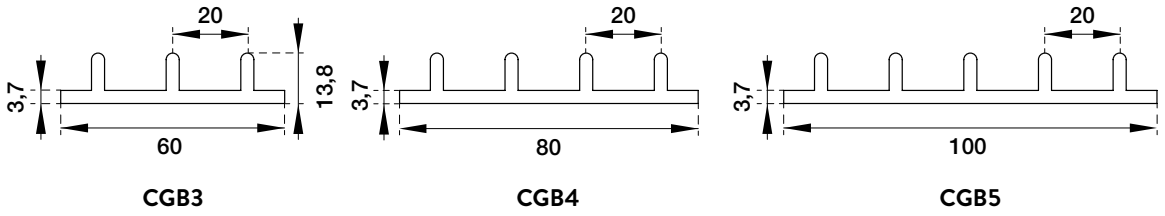


Climax Panorama
CGT + GDG

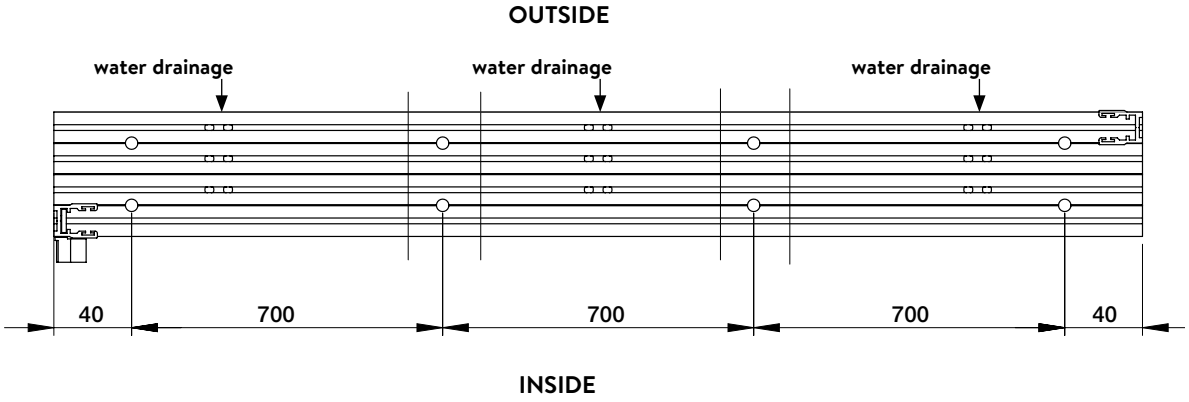


Climalux Horizon
CGT + GXLX

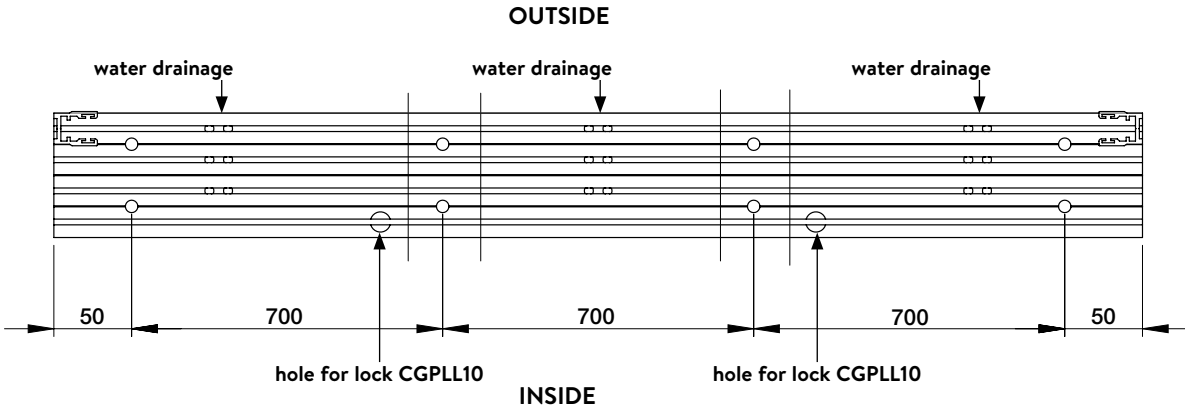
Bottom rail (CGB)
The single system with sliding lock only has drainage holes.
The double system has 2 holes in the bottom rail to lock the sliding elements. These holes are positioned in the central inside part of the bottom rail.
Make sure the horizontally drilled drainage holes are pointing outwards and the locking holes at the end match.
See drawing below.



Single system – with sliding lock

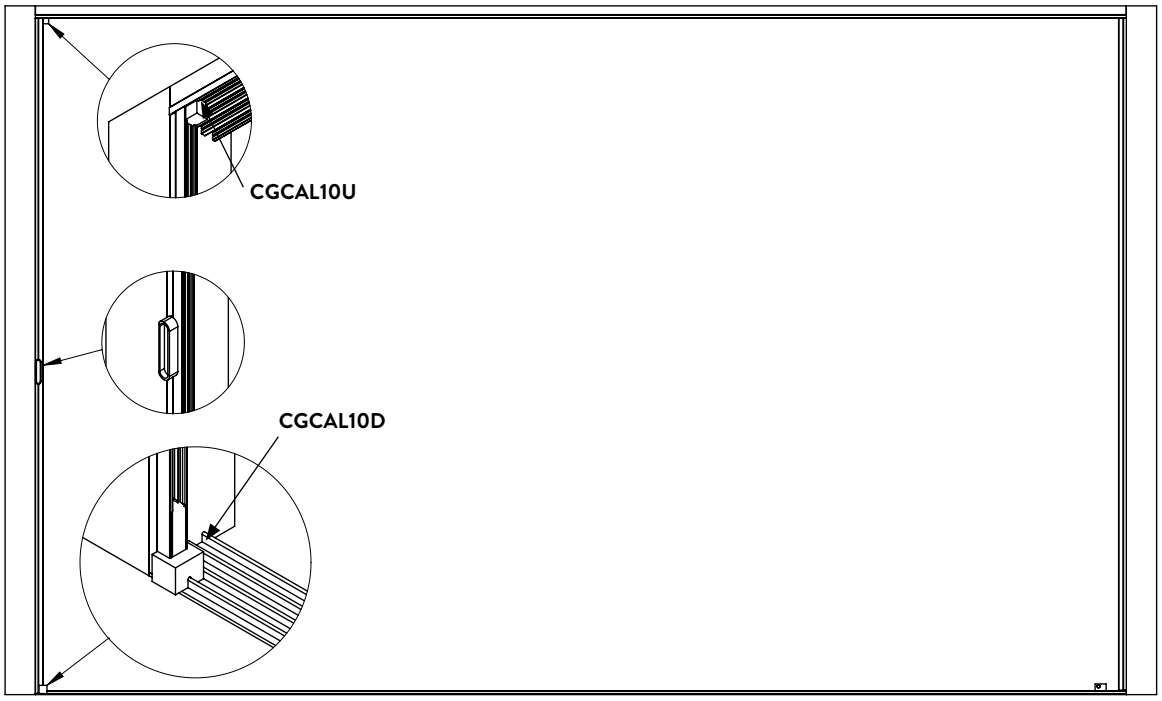


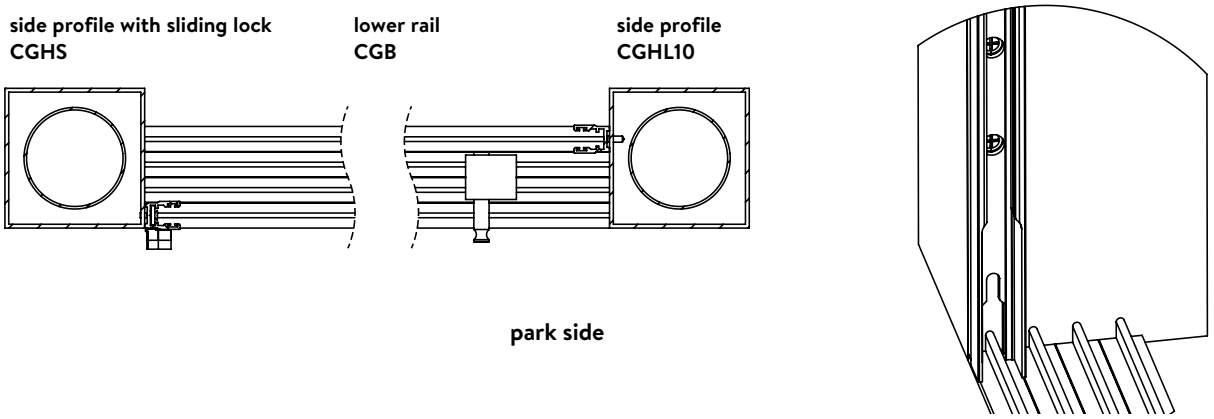
Double system with 6,8,10 glass



Pre-drill the lower rail with Ø 6 mm to 4 cm from the ends and also with a spacing of approximately 70 cm in the indication lines between the outermost tracks. Give each hole a chamfer so that the screw head is sunk. Then screw the profile onto the base with suitable screws and plugs. Provide a small water barrier with silicone at 15 mm from the inner edge between the lower rail and the surface. Make sure the lower rail lies perfectly beneath the upper rail and is level. If necessary, shims must be used to align the lower rail horizontally.

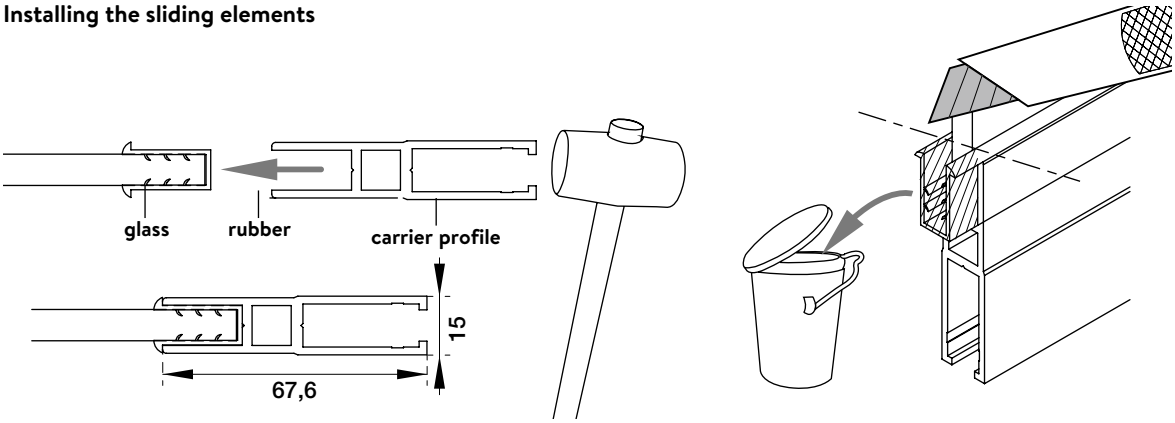
Side profile (CGL10) + side profile with sliding lock (CGSHS)
Needs to be sawn to the precise length on the construction site. Saw the side profile only from the top side. Make sure the milled-out opening is facing downwards. Position the side profile with the bottom side first and then place the top end part in the correct position. For centering side profile (CGL10) use upper and down mounting block (CGCAL10U, CGCAL10D). First position the side profile on the parking side and centered above the outermost track. Then screw the profile to the stanchion. Use short screws for this, so that the water discharge pipe is not pierced. Screws should have a chamfered head (max. diameter of the head is 10,4 mm). Do the same against the other stanchion, but centrally above the innermost track. For the fixation, it is sufficient to use 4 screws only: one at the bottom, two in the centre and one at the top side. Additional holes are used in case of damaged screw threads.



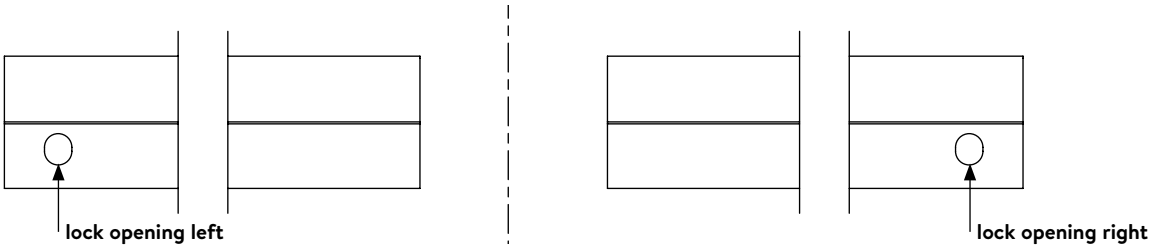


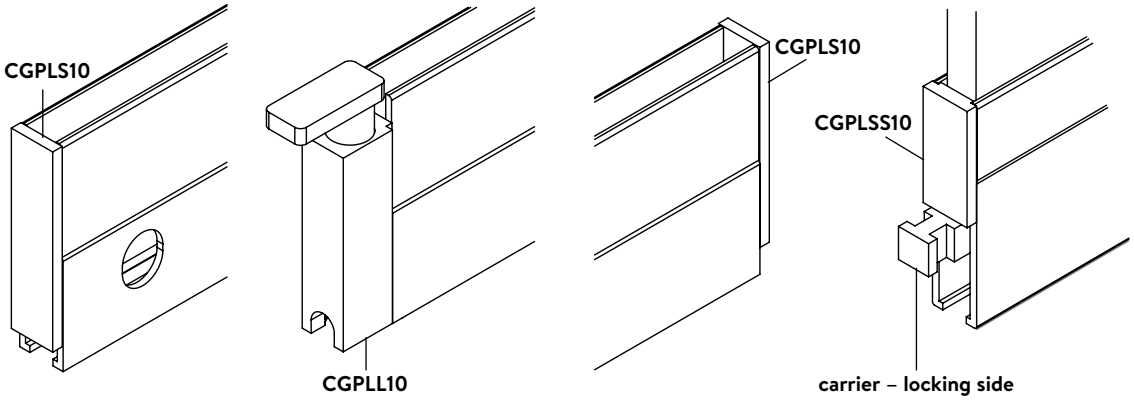
Sliding elements (CGPL)
The carrier profiles are custom-made and fitted with wheel guidance and locks. In the single system with one lock, there is one carrier profile fitted with a lock opening. It's used for the sliding element on the parking side. There is also another carrier profile with locking side which goes to side profile with sliding lock.

Installing the sliding elements



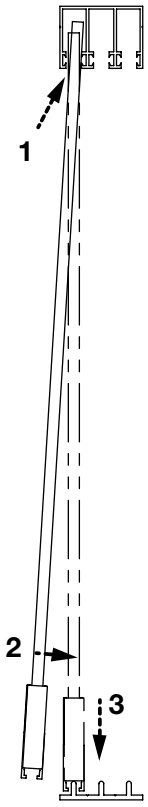
Lay the glass plate horizontally on 2 trestles. Provide protection against scratches. Take the rubber strip and cut it 1 cm longer than the width of the glass. Position this on the face side of the glass plate. Take the carrier profile and remove at least one end piece or lock piece. Coat the carrier profile on the inside with a detergent solution. Position the top of the carrier profile over the rubber and make sure the side of the carrier profile is aligned with the side of the glass plate. First, push the carrier profile manually on the glass as far as possible. Tap the carrier profile into the glass plate with a rubber hammer (we recommend 700 gr) until only the edge of the rubber remains visible. Measure the squareness of the glass against the profile with a try square. The surplus rubber protruding at the sides must be cut off. Remount the end pieces and/or lock pieces.

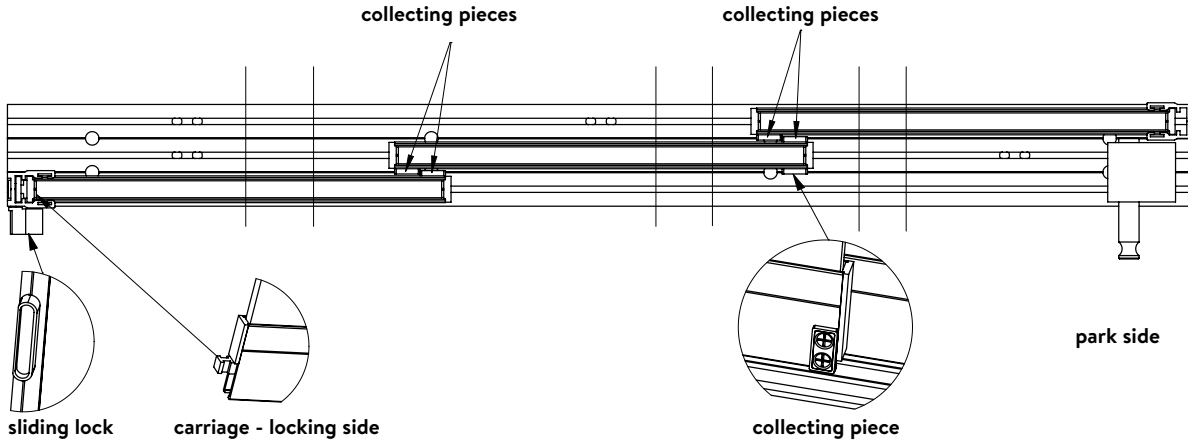




In case of single system, there are end pieces CGPLS10 on each carrier profile on both sides, except on the carrier profile which is locked by the sliding lock – this profile has a shorter end piece (CGPLSS10) on the locking side and a standard end piece.
In case of double system, there are two locks (CGPLL10), one on both carrier profiles. On the opposite sides and other carrier profiles, there are end pieces (CGPLS10). On the rest of carrier profiles, there are two end pieces (CGPLS10).

Install the first element with lock opening pointing inside on the parking side on the outermost track. Tip the sliding element up in the outermost guide of the upper rail. Tilt the element until it is vertical and let it drop until the wheel guide fits onto the outermost track. The first sliding element is now positioned. Check if the sliding element stands perfectly straight and horizontal. If not, the rail and the upper track must be aligned. Repeat this procedure for all sliding elements, each time on the next track. Make sure the lock is pointing towards the parking side. Now slide each element carefully over the entire length of the opening to check that there is no catching on the screws in the upper rail.

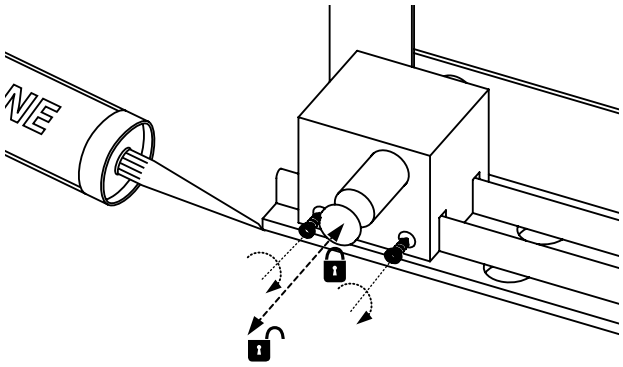




The finish

Install the locking block on the parking side on the lower rail with a hex key. Adjust the position so that the lock enters the opening of the carrier profile.
Also test the locking positions of the other sliding elements.
For the seal against rainwater, we recommend finishing the lower rail on the inside with silicone.
You can additionally opt for round handles. We offer two different types:
- to be glued to the glass panels (glass glue can be ordered separately)
- to screw into the glass panels (predrill the glass panels with Ø 60)

To prevent someone walking into the transparent sliding elements, we recommend affixing a self-adhesive opaque strip to the glass at eye level.
If you have ordered the sealing brushes, they can now be sawn to length and be fixed on the glass with a suitable glue (TEC7 transparent or simular).



CLIMAGLIDE IS A REGISTERED BRAND OF SKYLUX
SPINNERIJSTRAAT 100 - B-8530 STASEGEM
T +32 (0)56 20 00 00 - F +32 (0)56 21 95 99
INFO@SKYLUX.BE
WWW.SKYLUX.BE

SKYLUX®
Hello daylight!