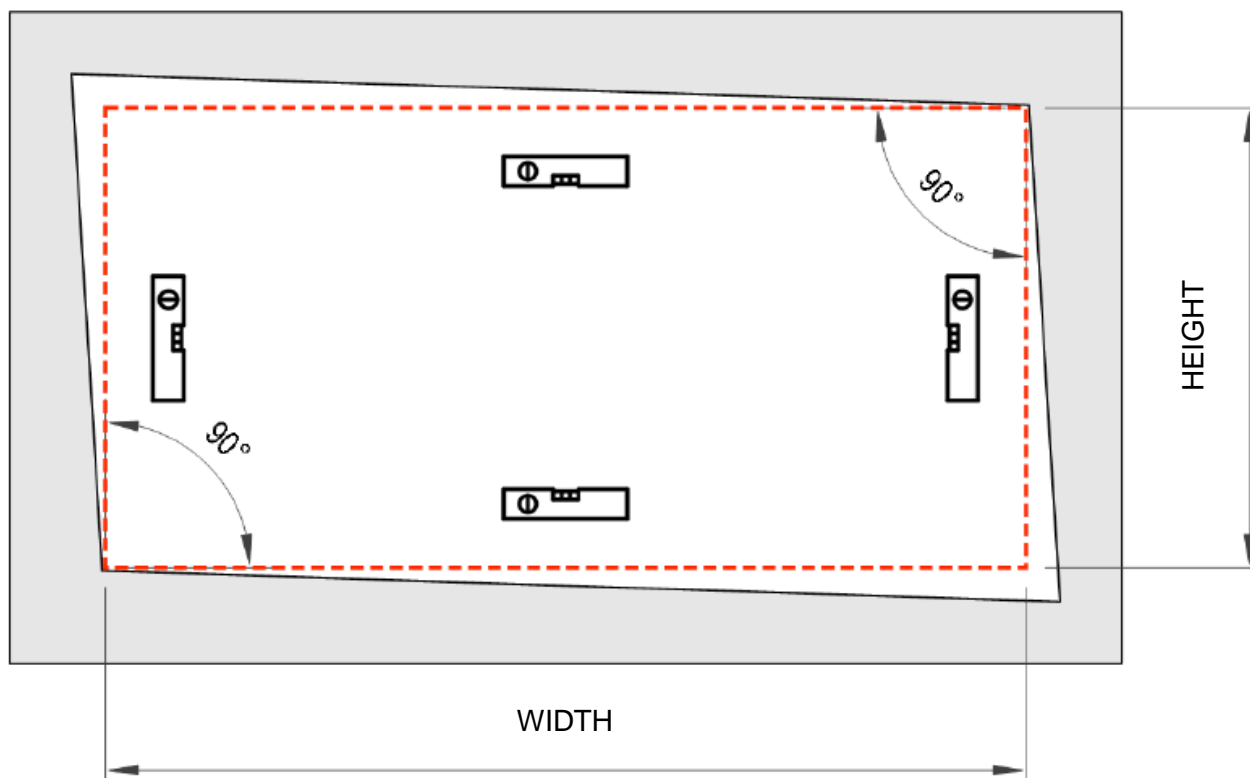


## ARTOSI GLASS SLIDING GLAZING SYSTEMS

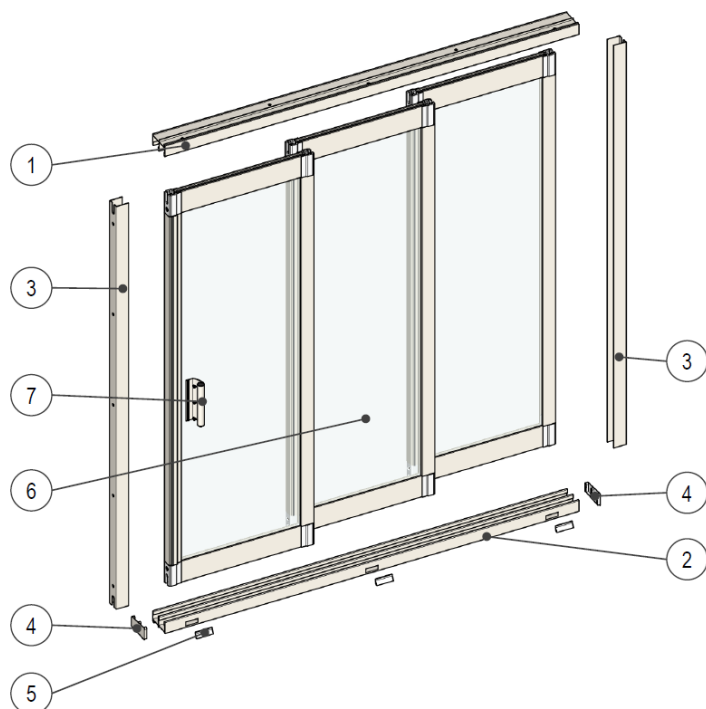
### Measuring the building opening



1. The substrate for the glazing system installation must have sufficient load-bearing capacity and be consolidated and free of cracks.
2. If the glazing system is to be installed in existing metallic structures, the frames and anchoring elements must be free of corrosion and there must be no horizontal and vertical deflection.
3. The glazing system dimensions are determined by the smallest building opening dimension measured.

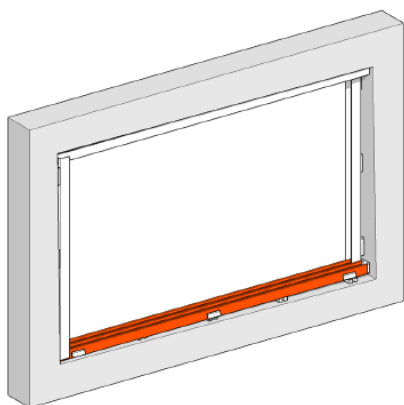
## Description of the sliding system elements

The individual sliding system elements may differ visually depending on the system and version.

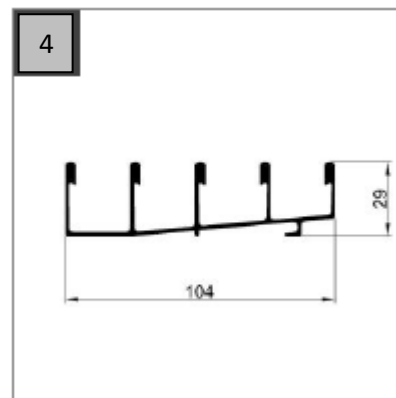
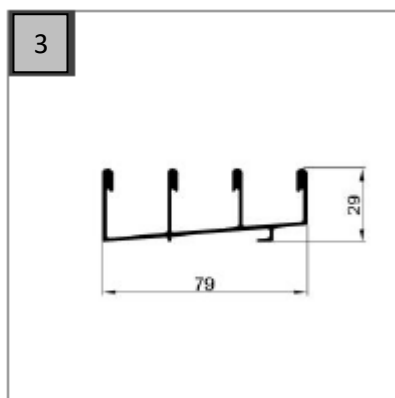
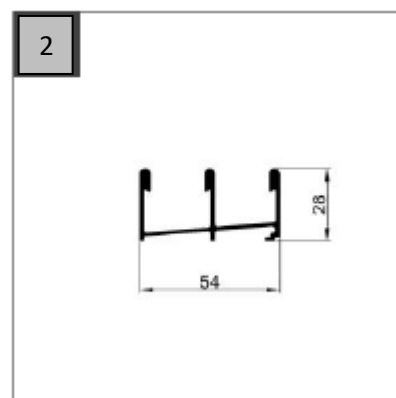
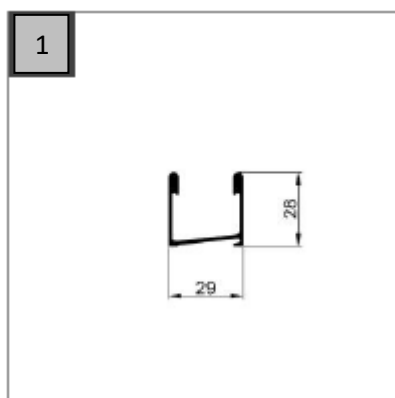


1. Upper rail
2. Lower rail
3. Stop profile
4. Stop cover
5. Drain point cover
6. Sliding wing
7. Handle

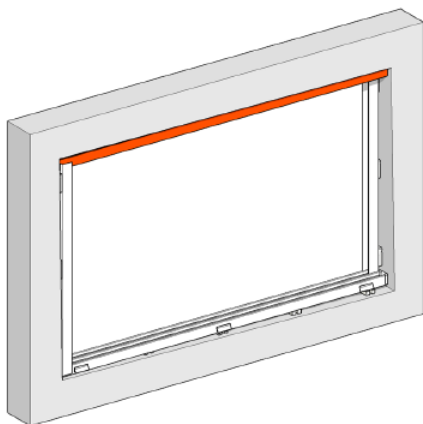
## Lower rail profiles



1. 2-rail profile standard
2. 3-rail profile standard
3. 4-rail profile standard
4. 5-rail profile standard



## Upper rail profiles



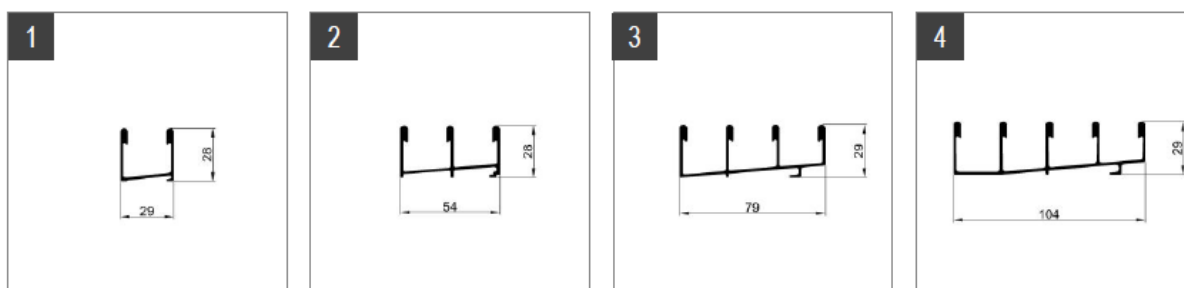
### Frame system

1. 2-rail profile standard
2. 3-rail profile standard
3. 4-rail profile standard
4. 5-rail profile standard

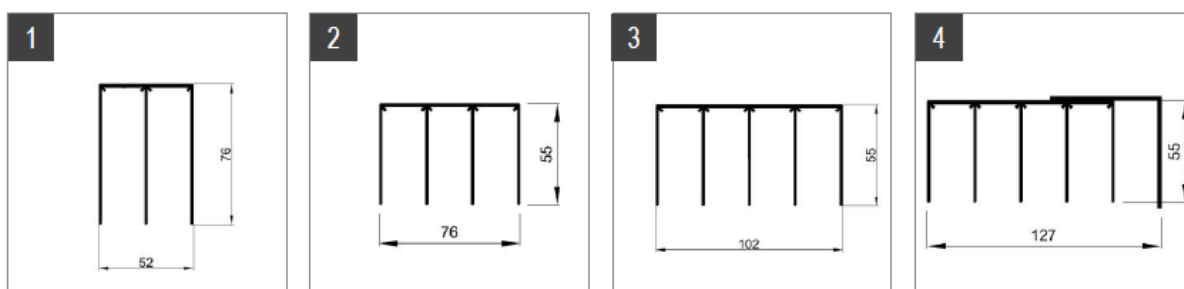
### Frameless system

1. CEILING GUIDE PROFILE-2
2. CEILING GUIDE PROFILE-3
3. CEILING GUIDE PROFILE-4
4. CEILING GUIDE PROFILE-4, PROFILE L 60 × 60 × 2 (4 + 1 L)

### Frame system

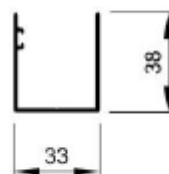
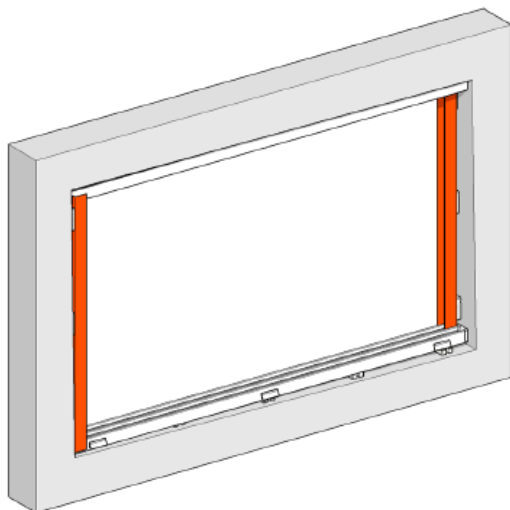


### Frameless system



## Stop profile

U-profile – with a groove for sealing for the frame system



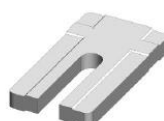
## Other accessories



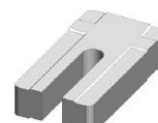
Levelling plate  
1 mm



Levelling plate  
3 mm



Levelling plate  
5 mm



Levelling plate  
10 mm



Lockable metallic handle  
for frame system



Normal handle for frame  
system



Stainless grip for  
frameless system



Stainless grip with lock  
for frameless system



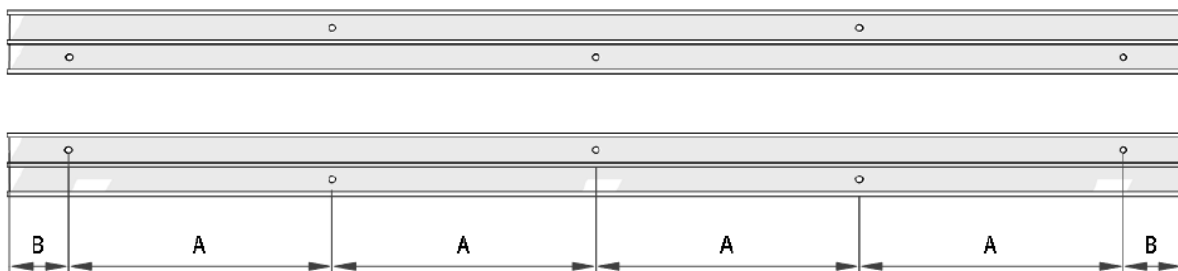
wing screw

## Anchoring holes

stop profiles



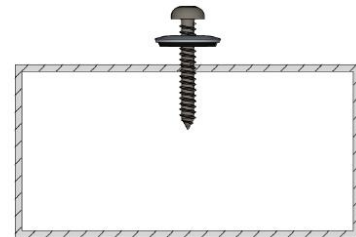
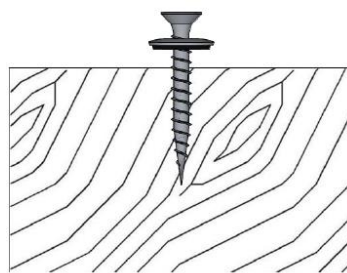
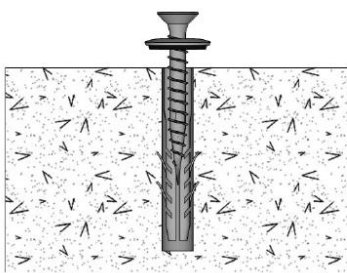
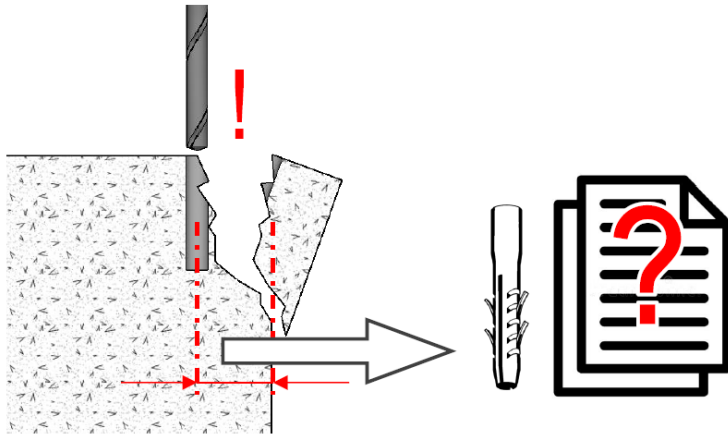
rail profiles



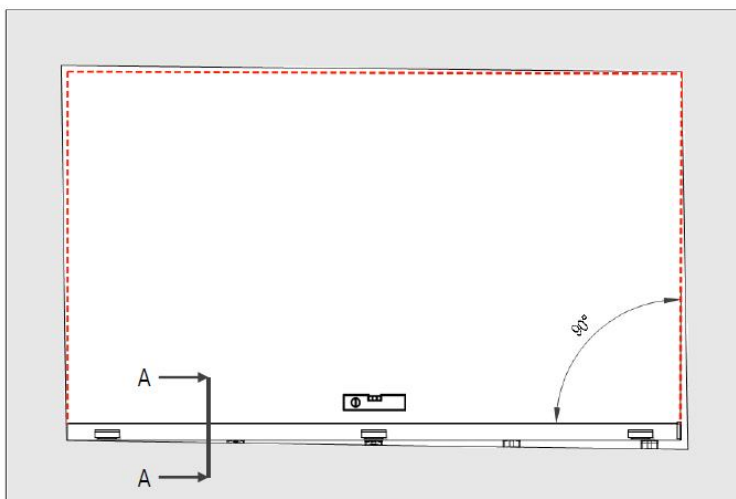
Anchors to materials	Anchor type	Max. spacing of anchoring points A (mm)				
		Wind area				
		I	II	III	IV	V
concrete, stone, sild brick	plastic wall plug $\varnothing 8 \times 46$ + screw $\varnothing 6$ mm, inox A2	900	700	600	500	350
perforated brick	plastic frame wall plug $\varnothing 10 \times 80$ + incl. screw	900	800	700	550	400
porous concrete, gas silicate	plastic frame wall plug $\varnothing 10 \times 80$ + incl. screw	700	550	450	350	250
steel profile, th. min. 2 mm	self-tapping screw $\varnothing 4.8$ + steel 8.8 - galv. zinc-pl.	950	900	800	750	500
aluminium profile, th. min. 2 mm	self-tapping screw $\varnothing 4.8$ + inox -A2	800	600	500	400	300
solid timber	screw $\varnothing 5$ mm + inox -A2	800	600	500	400	300

max. spacing B: 150 mm

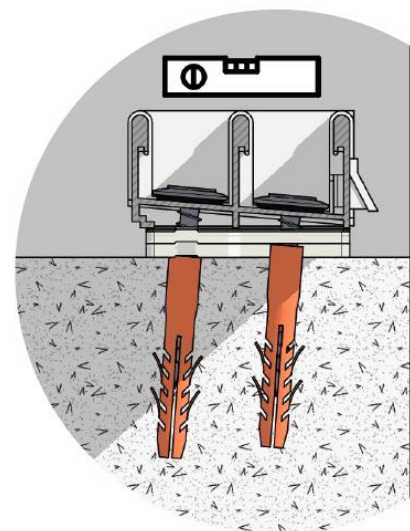
### Anchor elements



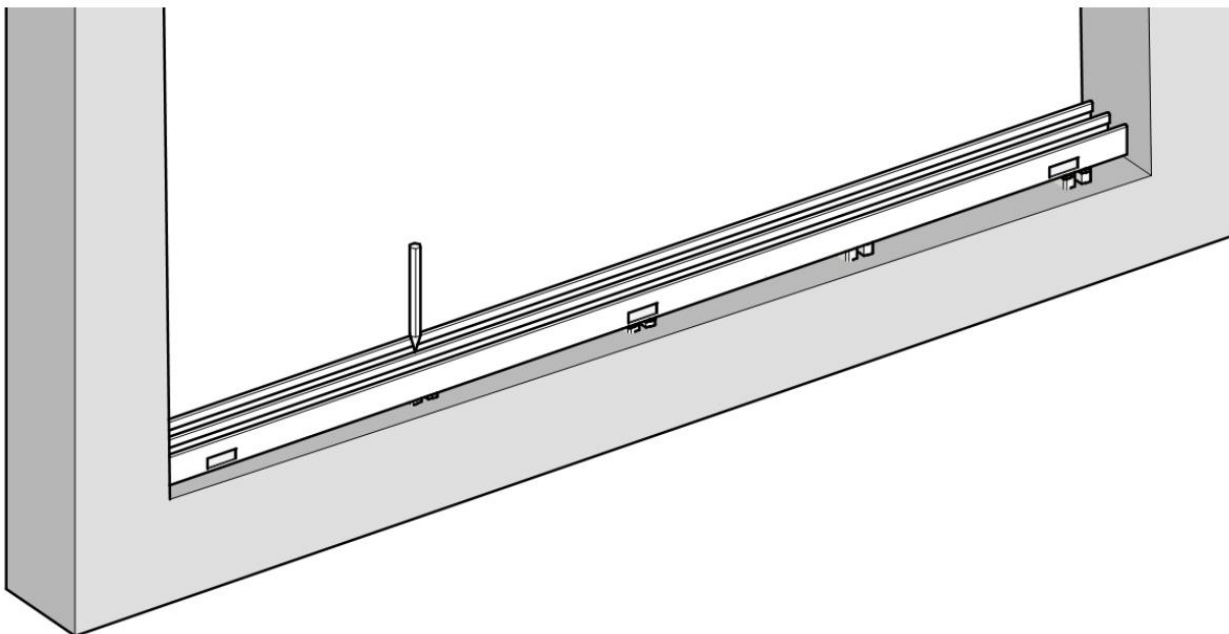
### Lower rail profile



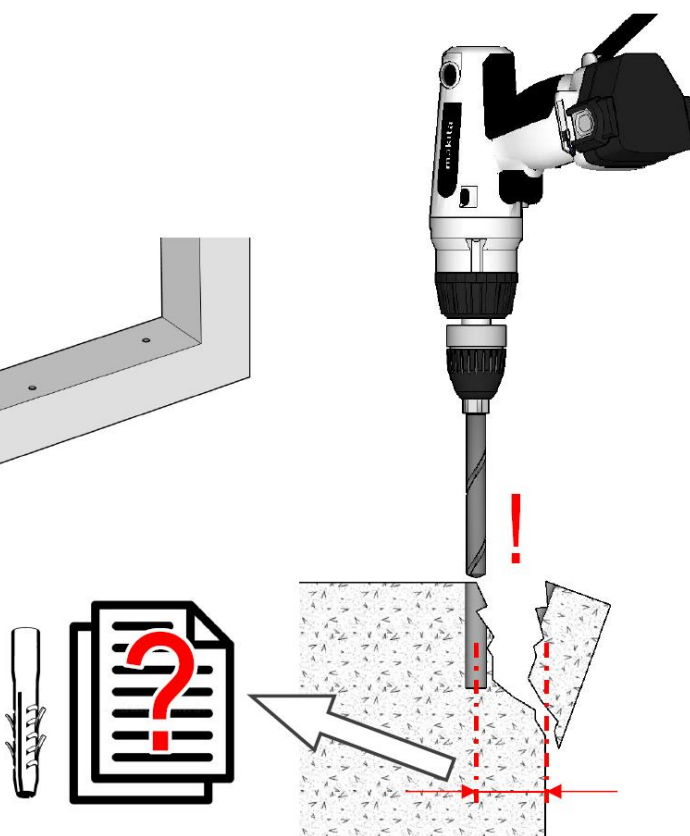
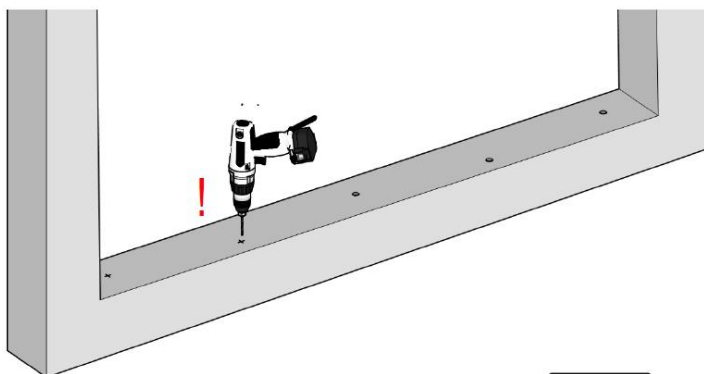
Exterior view

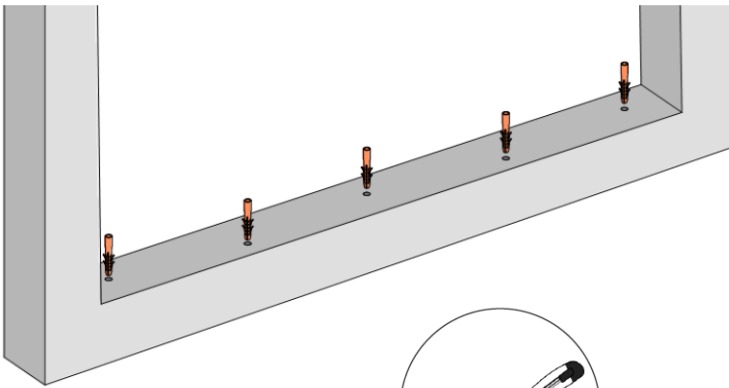
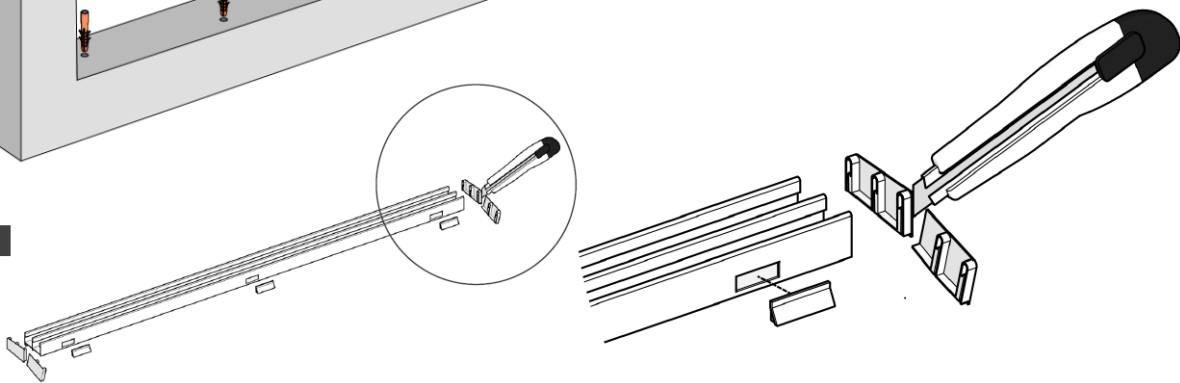
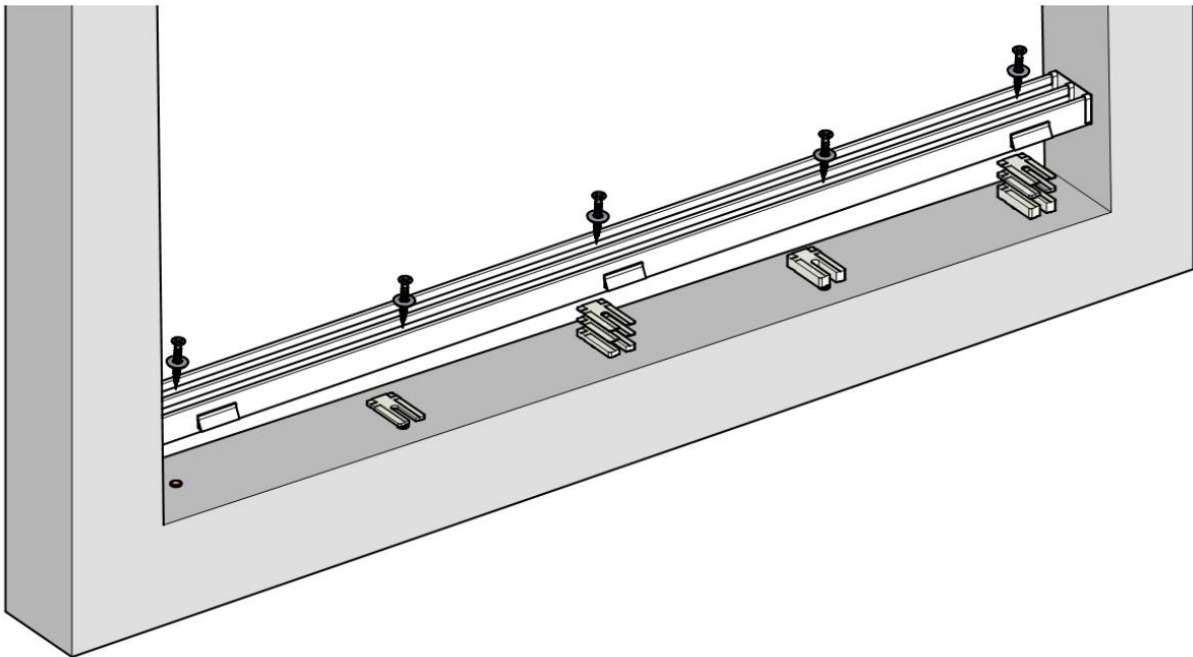


1



2

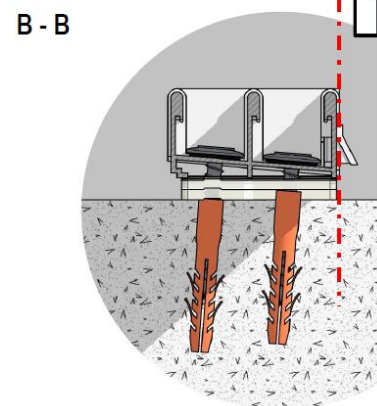
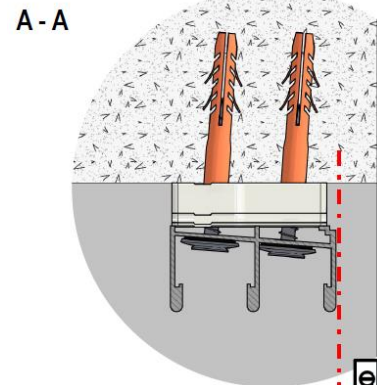
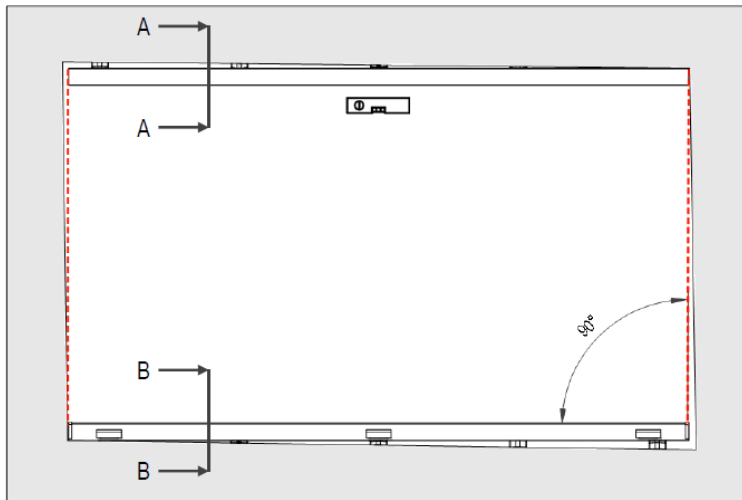


**3****4****5**

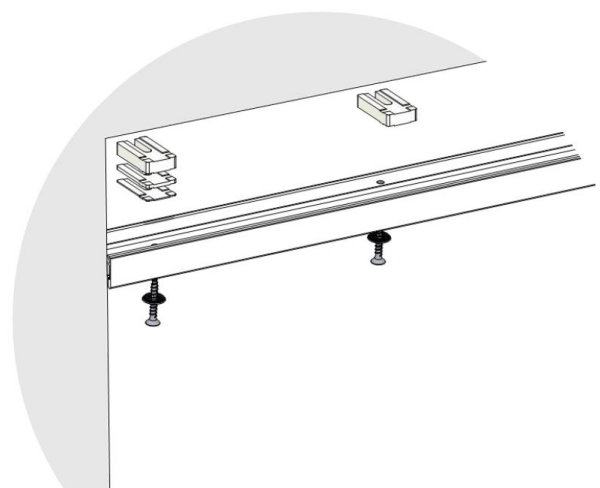
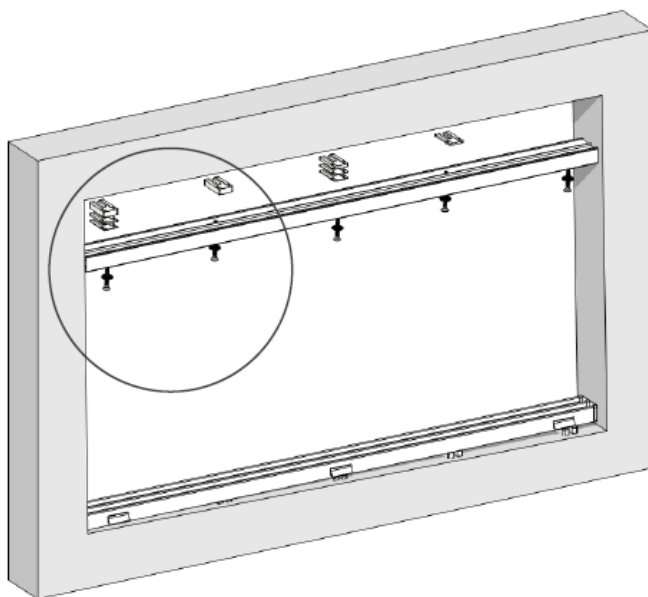


## Upper rail profile

### Frame system

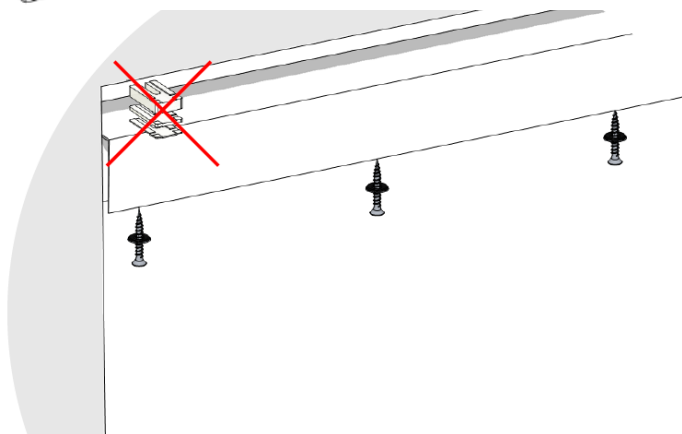
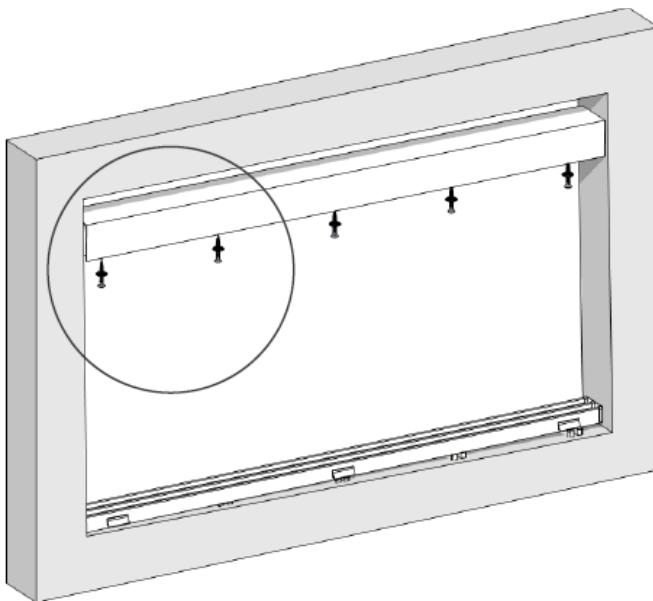
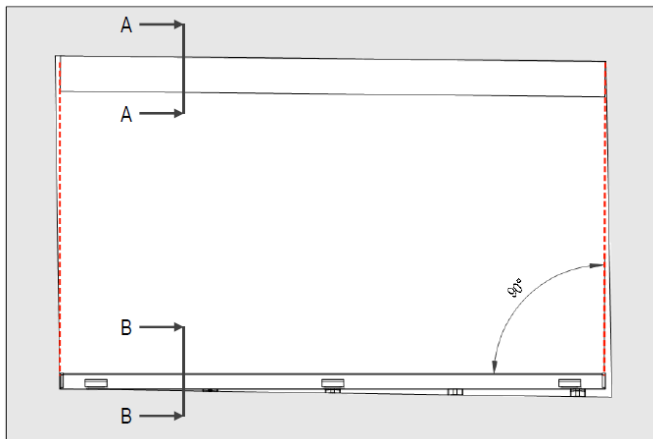


Repeat procedure from “Lower rail profile” 1, 2, 3, 4

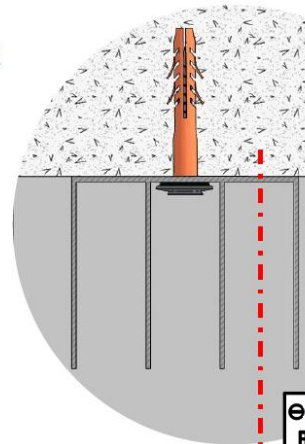


## Upper rail profile

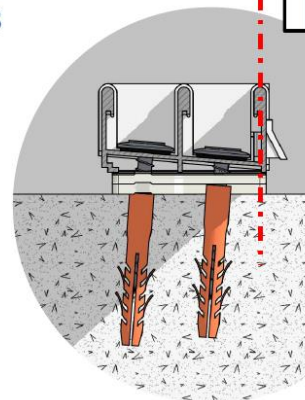
### Frameless system



A - A



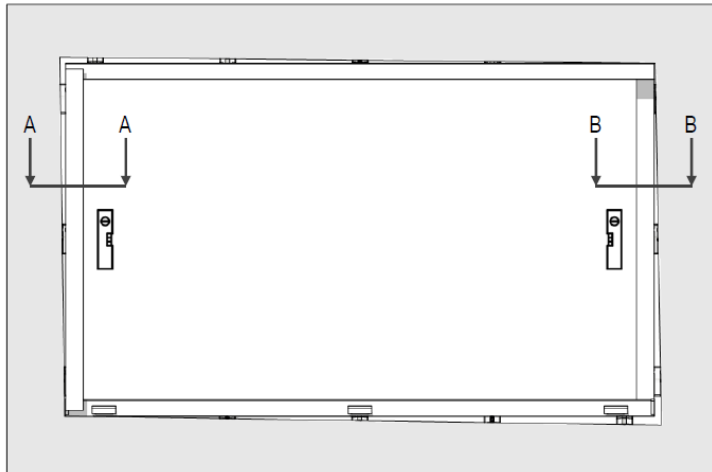
B - B



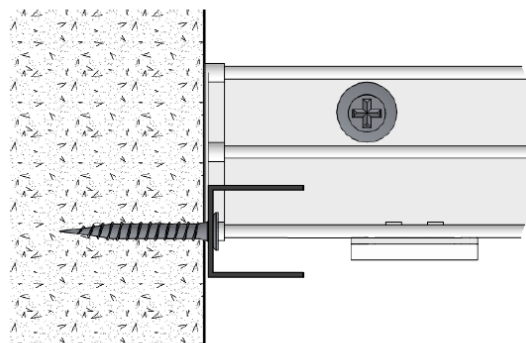
Repeat procedure from “Lower rail profile” 1, 2, 3, 4.

It is not necessary to level up the upper guide profile by levelling plates if the height difference DOES NOT EXCEED 30 MM!

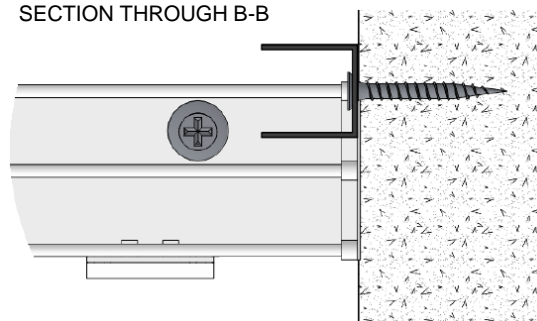
### Stop profiles



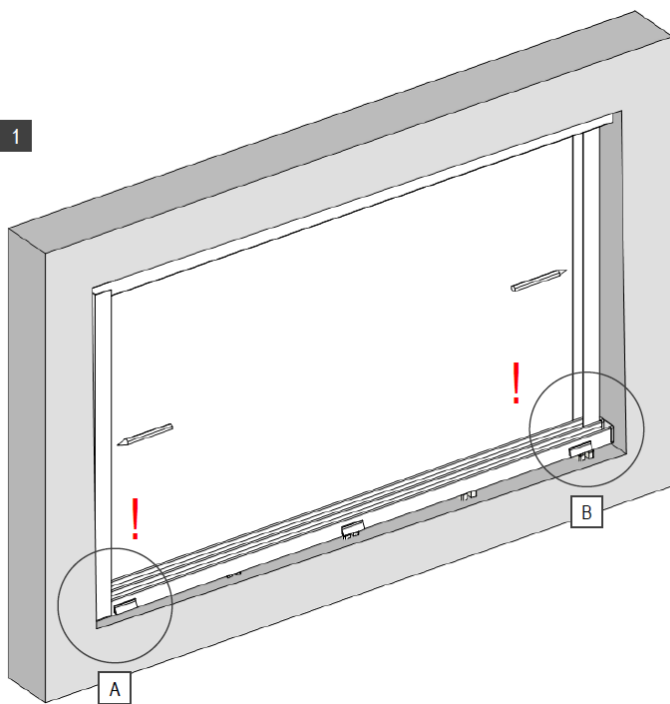
SECTION THROUGH A-A



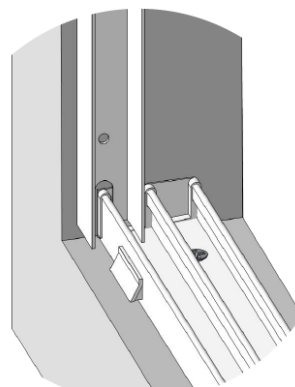
SECTION THROUGH B-B



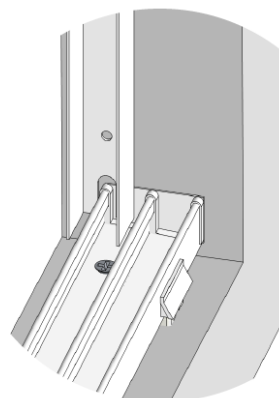
1



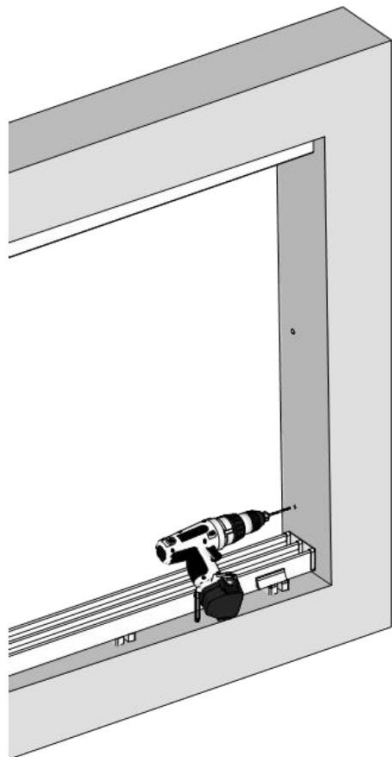
A



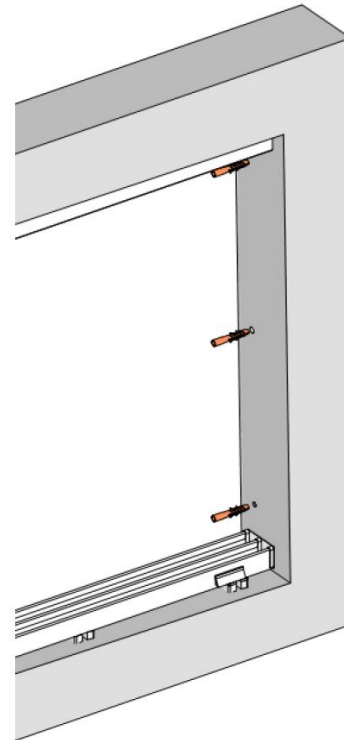
B



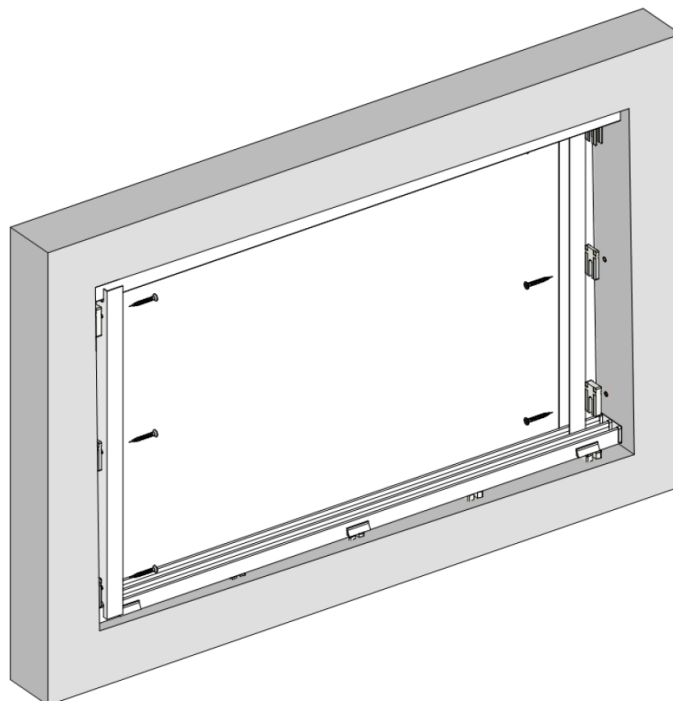
2

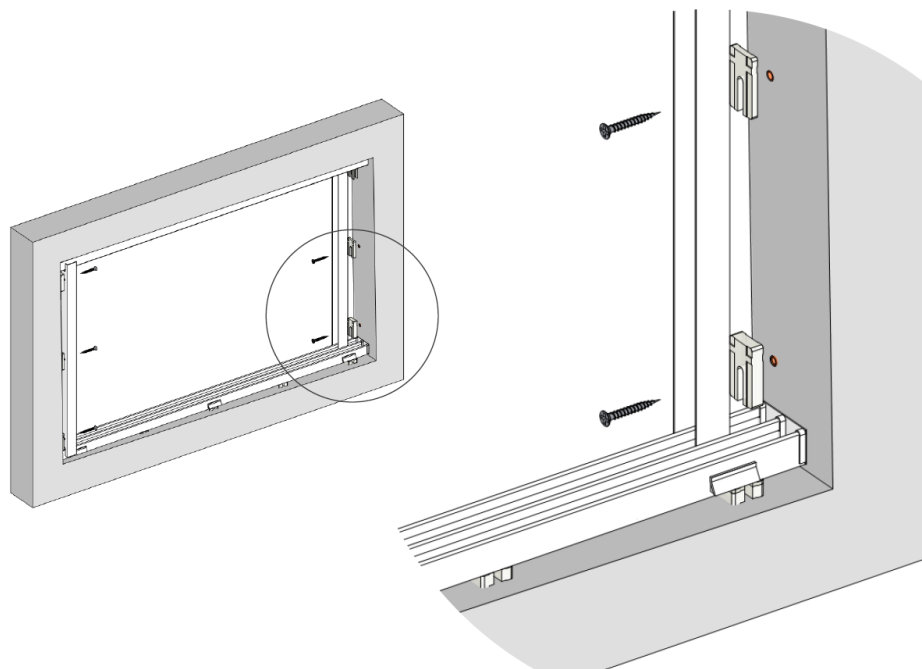


3



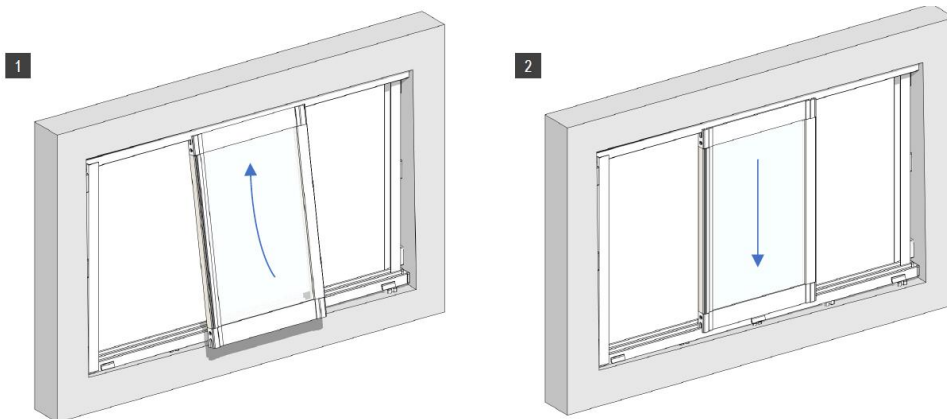
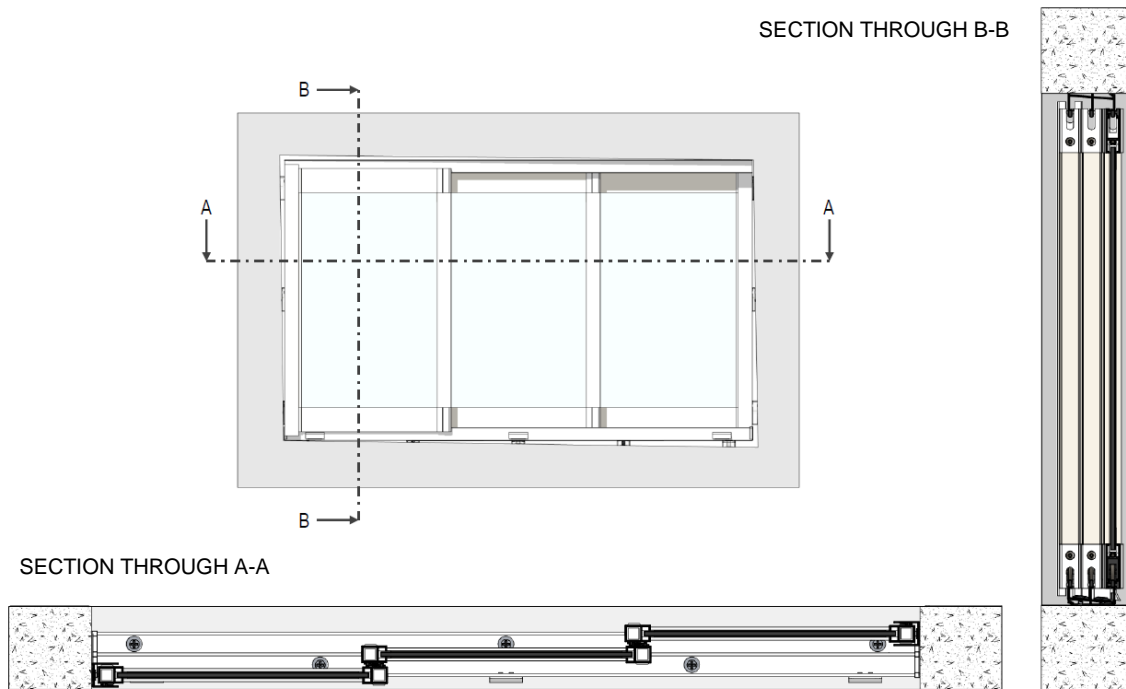
4

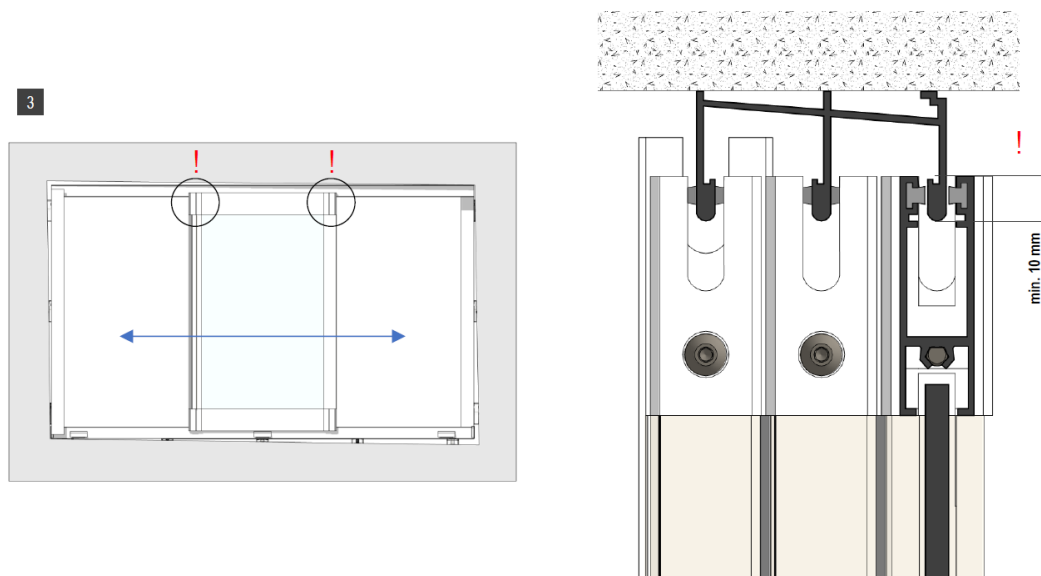




## Sliding wing

### Frame system

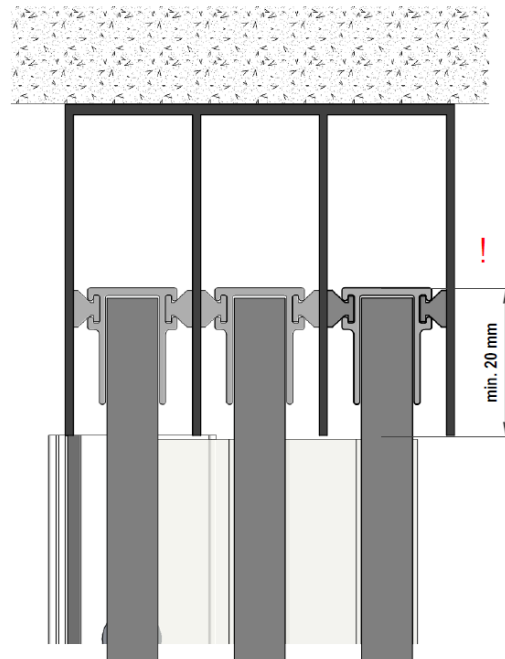
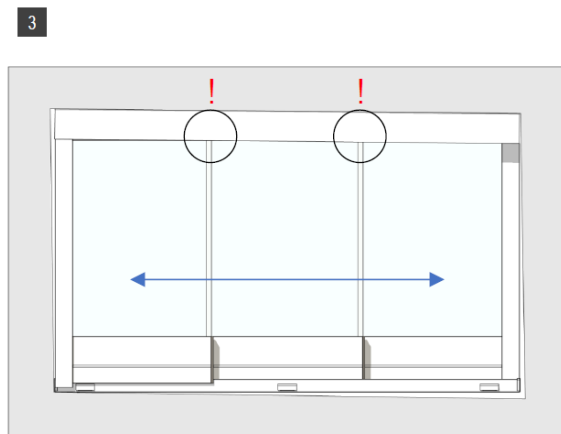




1. Check the wing overlap against the upper rail (Fig. 1) over the whole glazing length of the installed sliding wing.
2. Repair by lowering (addition of levelling plates) or raising (removal of levelling plates) the upper rail in places where the wing embedding is not optimal.
3. Install the remaining sliding system wings.

## Frameless system

(only Fig. 3 is different for the frameless system)



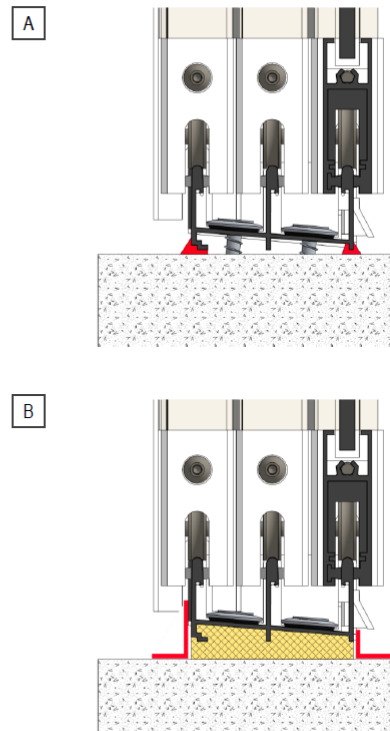
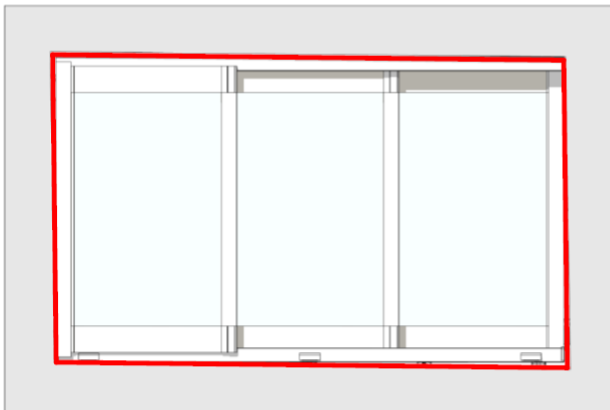
1. Check the wing overlap against the upper rail (Fig. 1) over the whole glazing length of the installed sliding wing.
2. Repair by lowering (addition of levelling plates) or raising (removal of levelling plates) the upper rail in places where the wing embedding is not optimal.
3. Install the remaining sliding system wings.



## Finishing treatment

### Finishing the connecting joint

4

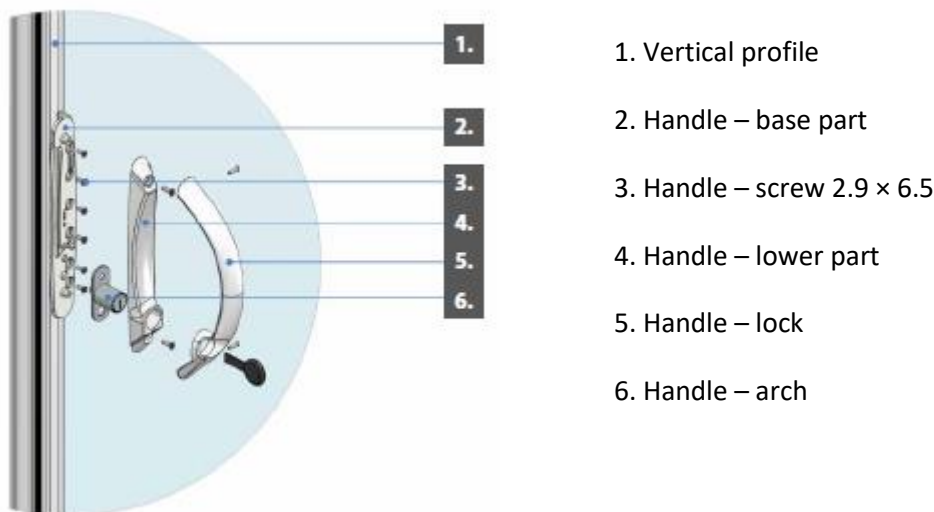


1. Connecting joints up to 5 mm (Fig. A) should be finished from the interior or exterior using silicone or acrylic sealant.
2. In case of joints exceeding 5 mm (Fig. B), we recommend filling the joint with PU foam and then cover the joint with aluminium bars after the foam has hardened and been trimmed.
3. The bars can be attached by a suitable weather-resistant binding material.

## Handles

### Frame system

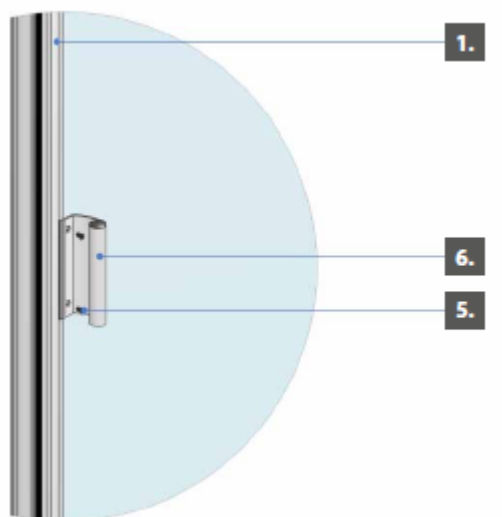
#### Metallic handle with a lock



1. Disassemble the supplied handle.
2. Apply the base part of the handle to the vertical profile of the panel, to the required height.
3. Use a drill bit  $\varnothing$  2.5 to prepare openings for screws to attach the base part of the handle.
4. Fasten the base part of the handle using the screws 2.9 × 6.5.
5. Slide the panel to the U-section and drill an opening for the bayonet lock pin (the opening passes through the U-section and the vertical profile wall).
6. Use the screws to fasten the lock and the lower part of the handle to the base part.
7. Use the screws to fasten the handle arch.
8. Test the lock function.
9. The diameter of the lock pin opening can be increased to facilitate locking.

**Note:** The lock insert is not double-sided (the lock does not pass through), i.e., the system can only be locked from the inside.

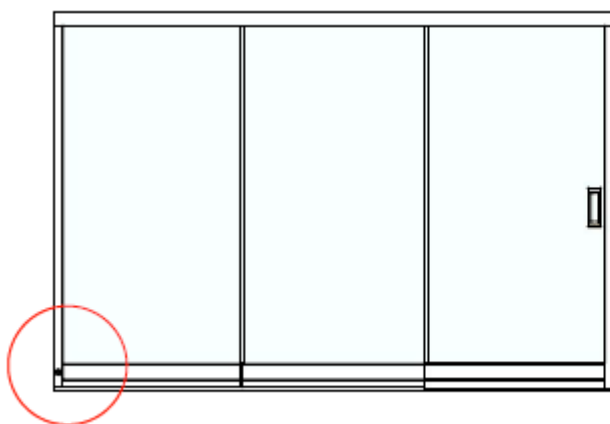
### Normal handle

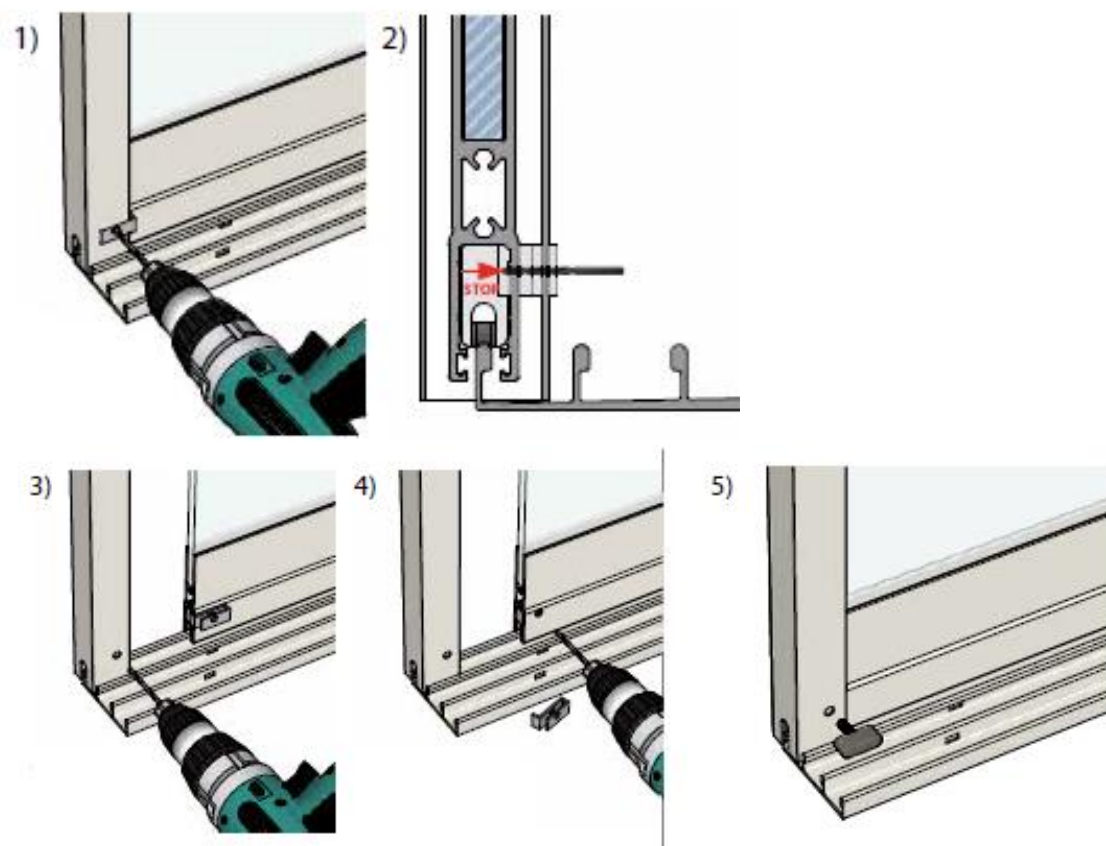


1. Vertical profile
2. Normal handle 100 mm
3. Handle – screw 2.9 × 6.5

1. Stick the handle to the vertical profile of the leaf, to the required height.
2. Use a drill bit  $\varnothing$  2.5 to prepare openings for screws to attach the handle. Do not damage the leaf glazing when drilling.
3. Adjust the openings on the handle by a countersink bit.
4. Fasten the handle using the screws 2.9 × 6.5.

### Securing – Wing screw




**obr. 1**

- a) insert the wing into the U-profile
- b) drill a hole in the U-profile and horizontal profile of the wing with a  $\varnothing 5$  drill, using a drilling template
- c) drilling depth is shown in figure No. 2

**obr. 3**

- a) slide the wing out of the U-profile
- b) enlarge the hole in the U-profile with a  $\varnothing 7$  drill bit
- c) clean the drilled hole with a countersink

**obr. 4**

- a) cut the drill template from the counterpart of the wing screw
- b) enlarge the hole in the horizontal profile with a  $\varnothing 7$  drill bit
- c) be careful not to damage the thread of the nut, that is inserted in the counterpart, with the drill

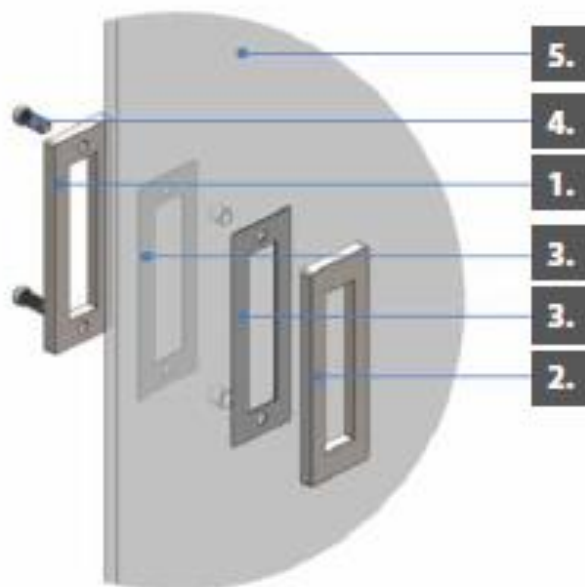
**obr. 5**

- a) insert the wing into the U-profile
- b) secure the wing against opening with the wind screw

## Frameless system

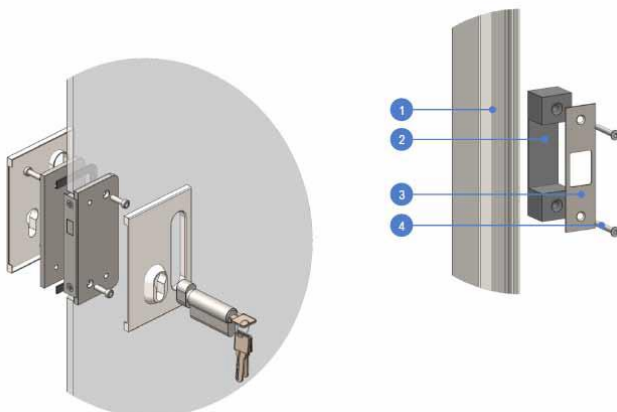
### Handle and lock

Rectangular handle 153×50 stainless

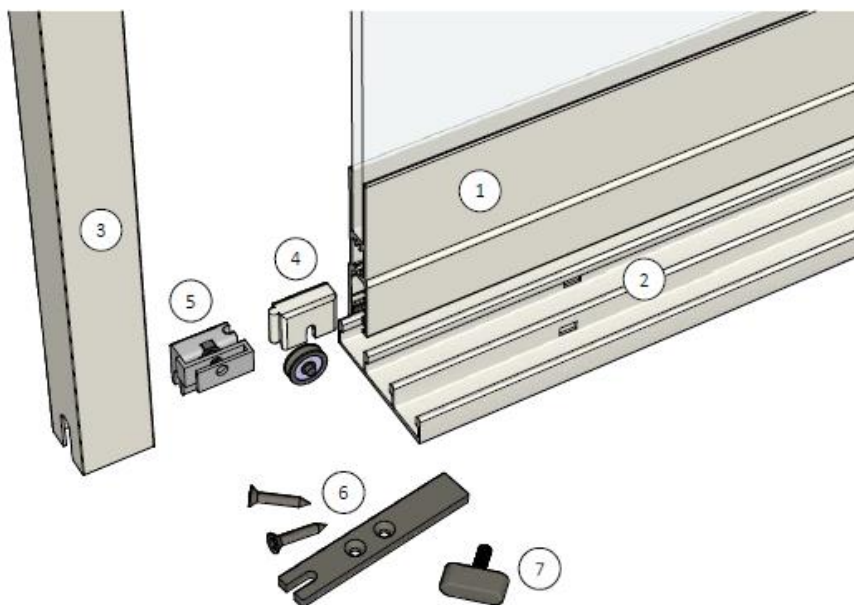
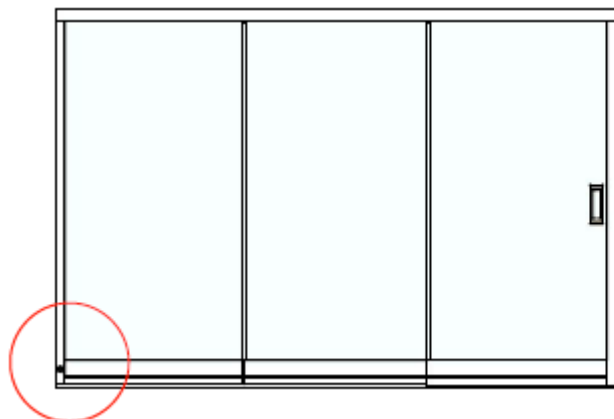


1. Handle – inner part
2. Handle – outer part
3. Handle – seal
4. Handle – screw
5. Tempered safety glass 10 mm – drilled

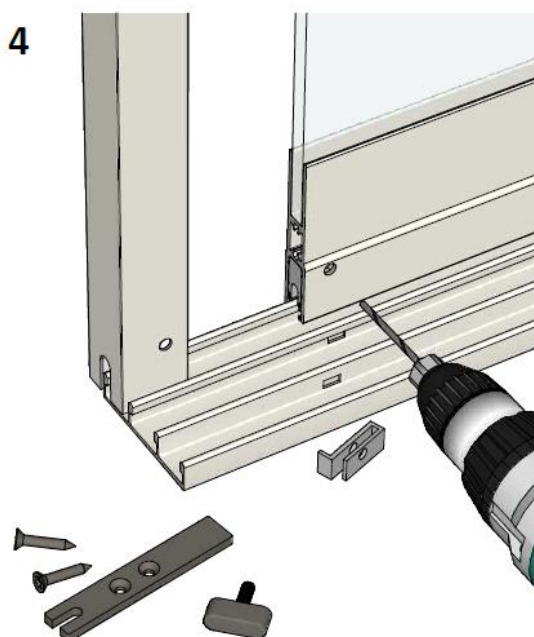
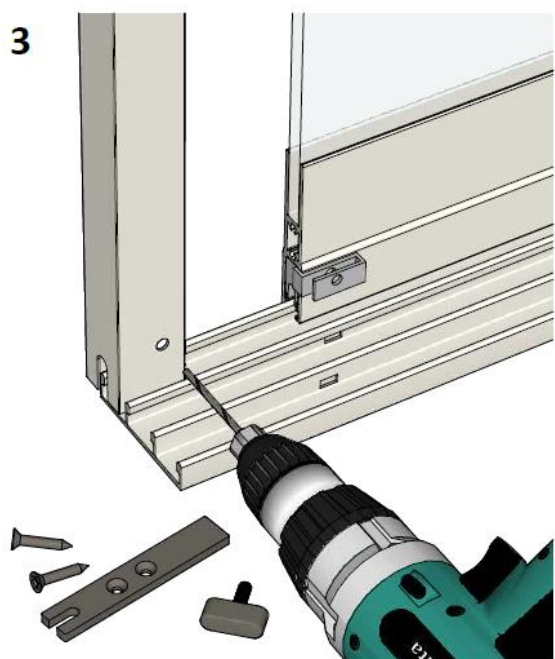
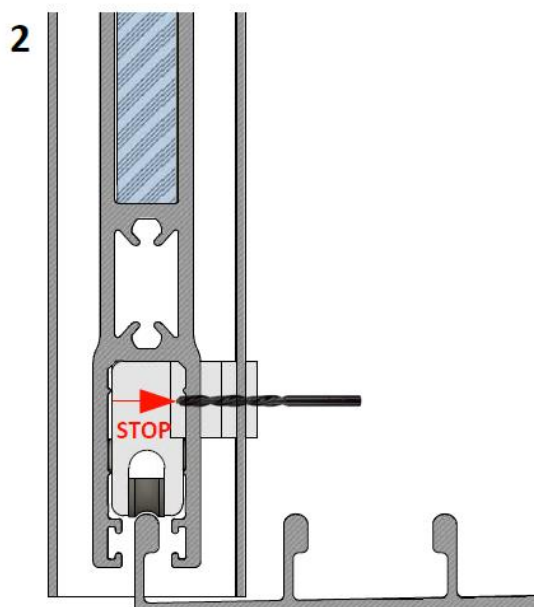
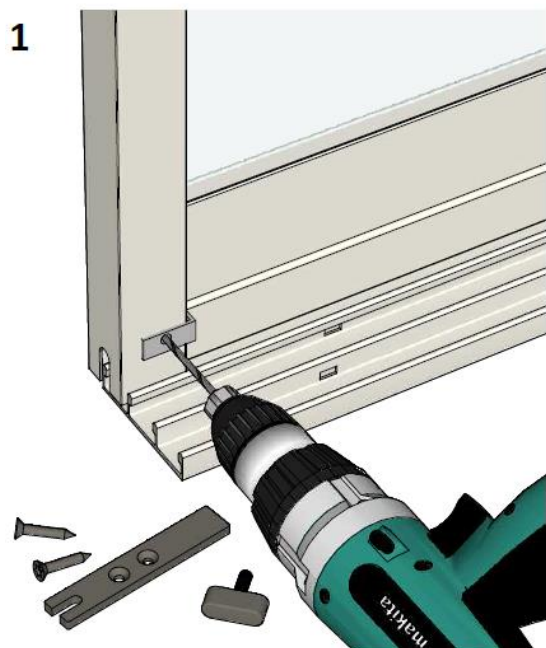
### Lock A 194S and lock counterpart

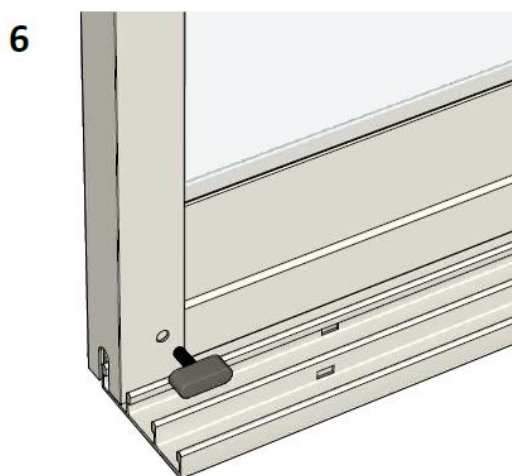
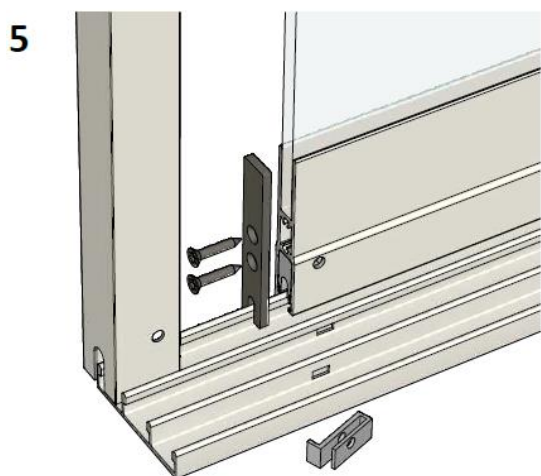


1. U-section with slot
2. Lock counterpart – plastic
3. Lock counterpart – stainless
4. Screw 3.9 × 32

**Securing – Wing screw**


- 1 AluFlexi 10 wing
- 2 bottom rails
- 3 U - profile
- 4 carriage with bearing
- 5 wing screw counterpart
- 6 profile cover
- 7 wing screw





obr. 1

- a) insert the wing into the U-profile
- b) drill a hole in the U-profile and horizontal profile of the wing with a  $\varnothing 5$  drill, using a drilling template
- c) drilling depth is shown in figure No. 2

obr. 3

- a) slide the wing out of the U-profile
- b) enlarge the hole in the U-profile with a  $\varnothing 7$  drill bit
- c) clean the drilled hole with a countersink

obr. 4

- a) cut the drill template from the counterpart of the wing screw
- b) enlarge the hole in the horizontal profile with a  $\varnothing 7$  drill bit
- c) be careful not to damage the thread of the nut, that is inserted in the counterpart, with the drill

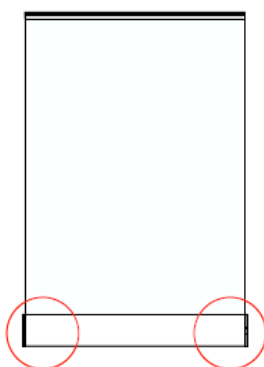
obr. 5

- a) Install the stainless steel cover of the horizontal profile

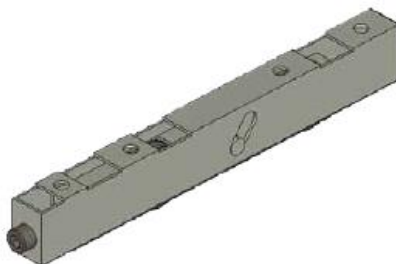
obr. 6

- a) insert the wing into the U-profile
- b) secure the wing against opening with the wind screw

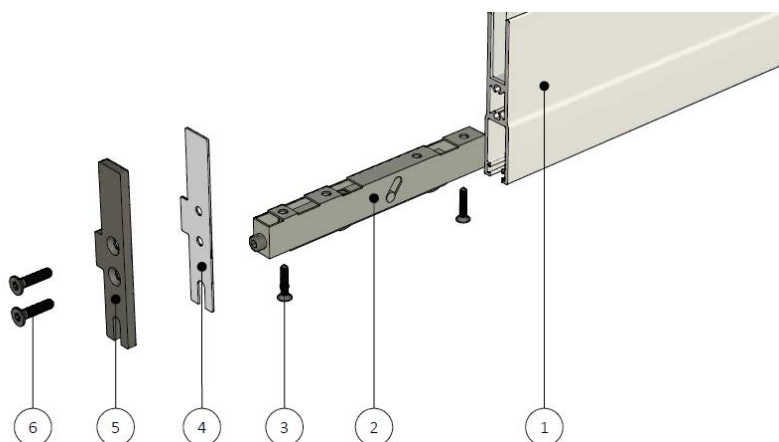
### Assembly procedure - height-adjustable carriage



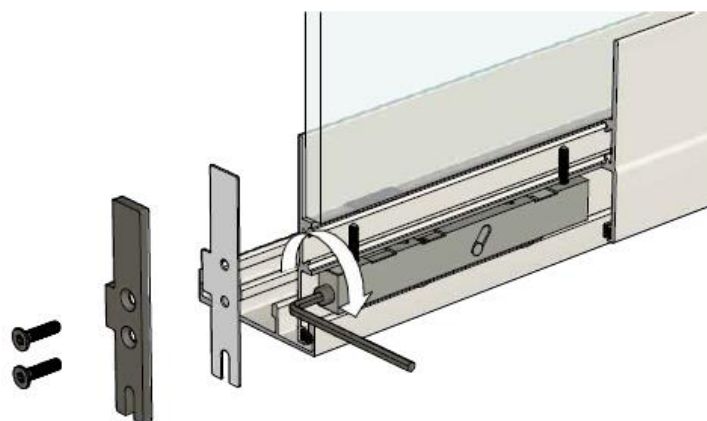
*křídlo AluFlexi 10*





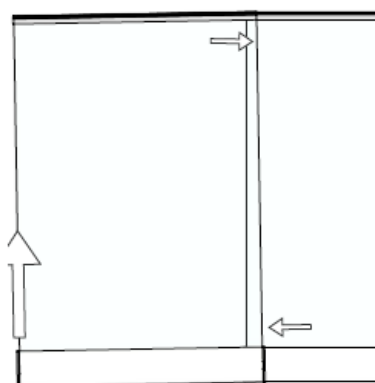


- 1 AluFlexi 10 horizontal profile
- 2 height-adjustable carriage
- 3 screw for attaching the carriage
- 4 cover pad
- 6 profile cover
- 7 screw for attaching the cover



**Advantages of the height-adjustable carriage:**

- adjusts the vertical parallelism between sliding wings of the system
- the bottom rail does not have to be aligned to the plane
- savings on sealants and time for smoothing out construction joints between the bottom rail and the floor

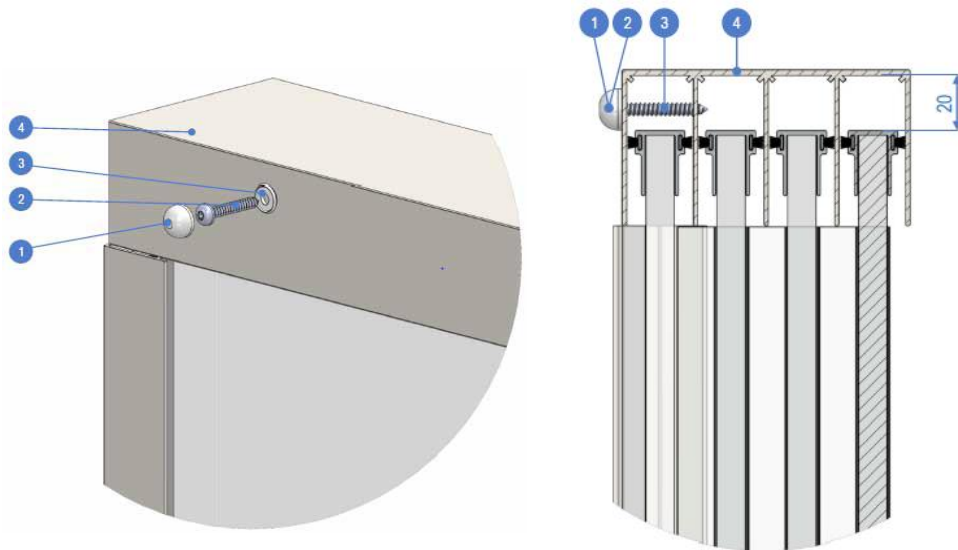


**Installation process:**

- a) fit the sliding wings of the system to the rail
- b) check vertical parallelism of the sliding wings

**Wing correction using height-adjustable carriage**

- a) remove covers from the horizontal profile of the sliding wings
- b) correction, in case the wings are not parallel, can be done using the rectification screw of the carriage

**Protection against glass removal**

1. Round cover 12.8 plastic
2. Washer m5 12.8 plastic
3. Screw 4.8 × 32
4. Guide rail – ceiling