

AIR System

S 8000 AIR-B (dividing rail & handle)

Planning, Assembly, Install

Version 1.4 (2023-09-06)



CONTENT AND TOOLS

CONTENT::

Content and tools	page	02
Product information	page	03
Manual	page	05
Accessories	page	06
Detail drawing dividing rail	page	07
Cutting dimension /drilling pattern	page	08
Assembly instruction	page	11
Detail drawing	page	15
Installation instruction	page	16
Detail drawing	page	23
Detail drawing w/o sliding door brake	page	24
Appendix		
Adhesion technique	page	26
Handle insert / milling pattern	page	28
Stopper for top roller	page	30

- TOOLS:
(without claim of completeness)
- Hack saw

■ Allen key set

■ 2x open-ended spanner (10mm)

■ Drilling machine

■ Drill set metal / stone

■ Screwdriver set

■ Rubber mallet

■ Pencil

■ Water level

■ Small pinch roller

■ Large pinch roller



VERSION INFORMATION:









Version	1.0: Product launch
"	1.2: Adhesion technique update
"	1.3: Pickup element S8000 / Handle insert; added

PRODUCT INFORMATION

GENERAL INFORMATION: Preparation

- This manual is part of the product and describes the safe and proper installation of the system. Please read the instruction carefully before installation
- Please note that the assembly should only be done by qualified and trained staff in strict compliance with all details indicated in this document.
Improper installation in variation from manufacturer's specification may cause defects and danger, thus endangering the safe fixing of the product as well as the safety of the prospective user. The liability of the manufacturer shall be excluded in case of defects and consequential damages resulting from incorrect assembly of this product.
- Please check the completeness of the delivered parts and check carefully if any transport damages are visible.
- If any parts are damaged or lost, please immediately contact the responsible supplier.
- It is assumed that you have exactly identified all cutting dimensions according to the measurement instruction for **raumplus** products.

SYMBOLS:

Symbol	Importance	Symbol	Importance
	Risk or danger		Perform the production step with two persons
	Advice and information		
	Additional information / other documents		
	Directional data / direction of movement		
	„yes“ and „right“		
	„no“ and „wrong“		
	Follow the order		

SYSTEM:

System Information: S 8000 AIR-B

- max. weight of element = 60 kg
- min./max. door height = 700 mm / 3500 mm
- min./max. door width = 450 mm / 1200 mm

PRODUCT INFORMATION

GENERAL INFORMATION: **Product safety**

- The door system complies with the prior of the art and the authorized safety rules at the time of delivery.

USE:

Intended use

- The prerequisite for the intended use of our products is the professional installation according to our installation instruction. Sufficient fittings must be available and durably installed to all relevant places.
The function of the fitting must not be hindered or altered during installation.
- Special solutions are only possible in consultation with **raumplus**.

Use not as intended

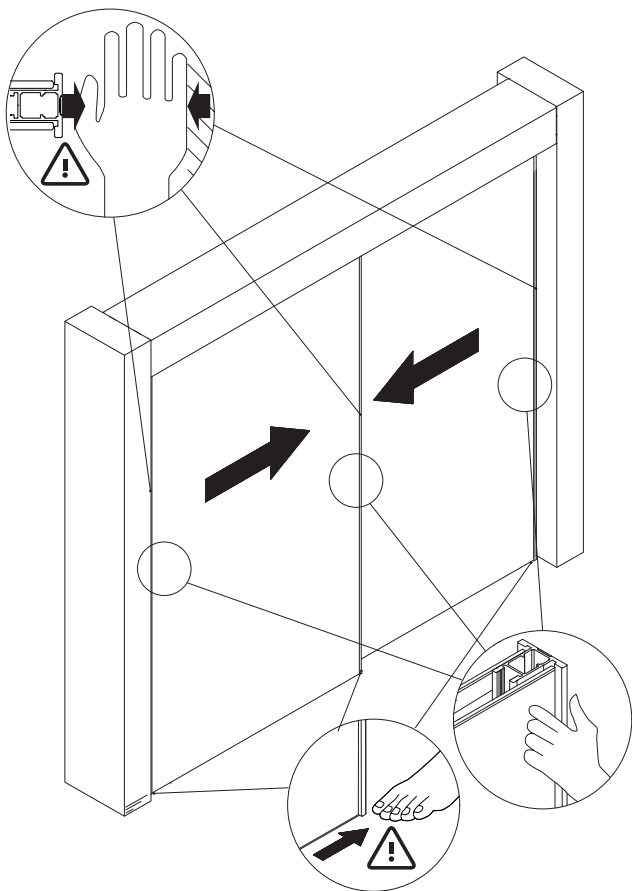
- Risk or danger may occur in the following cases:
 - the door system has improperly been installed or maintained
 - the safety and installation instructions have not been followed.
 - after improper installation or inadequate fixing (e.g. to parts of buildings)
 - the maximum weight of the doors has been exceeded.
 - improper shock and case loads or other additional loads on the fittings have occurred
 - the fittings have been used outside.
 - body parts or objects got in to the closing edges or door runnings during use of the door wing.
 - the door system is not used as intended.

Structural modifications

- Structural modifications that are not offered as an accessory from **raumplus** may only be attached or installed with permission of **raumplus** GmbH!

MANUAL

This manual is part of the delivered product and describes the safe and proper use.



Designated use:

The product is designed and manufactured for indoor use.

The product was designed as a hand-guided sliding door that is usually not being moved faster than walking speed and should be stopped manually when reaching the end position. The doors are guided on top track.

Any other use that deviates from the specific proper use is not according to the **raumplus** regulations.

Manual:

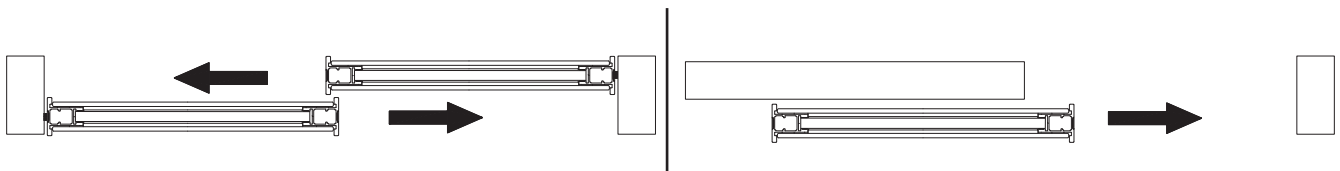
Open the door by the handle profile or the handle (optional).

Guide the door slowly to the ...
... opening / closing point.

Attention:


Preserve your hands from getting trapped during the movement of the door. When closing or opening the door never grasp the profile, only use the handle profile or the handle.

Use the door as instructed.



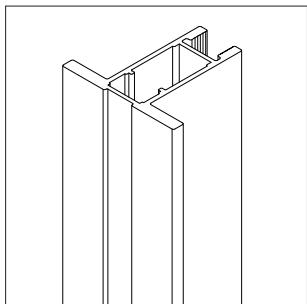
Safety Information:

The product complies with the prior art and the recognized safety rules at the time of delivery.

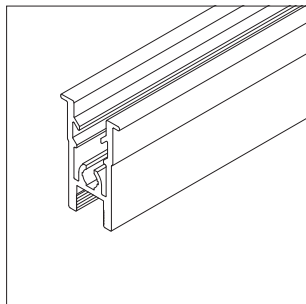
- Pay attention to child safety.
- No additional load to the doors.
- Structural changes, additions or modifications can only be carried out by a dealer.
- In case of malfunctions or irregularities: shut down the system and contact your dealer.
-  For Installation without wall connection: use of stopper is obligatory!

As defined in the „Law of Liability for Products“ (§4 Prod-HaftG), for the liability of the manufacturer, for his products, the above information has to be regarded. The disregard of this manual, releases the manufacturer from his liability.

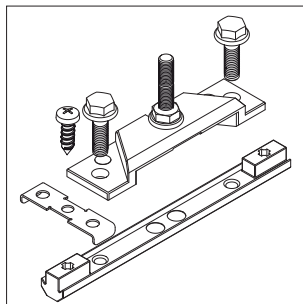
ACCESSORIES



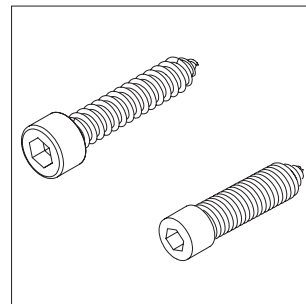
1_ 12.51.02x



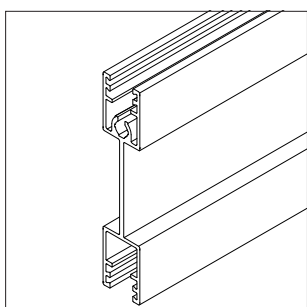
2_ 19.34.0xx



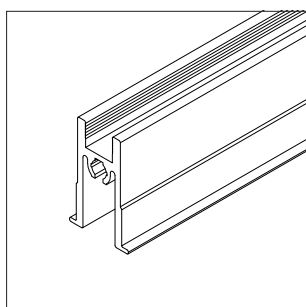
3_ 10.06.031



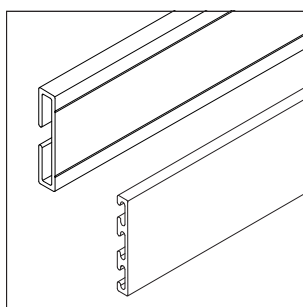
4_ 10.07.012 / 10.07.008



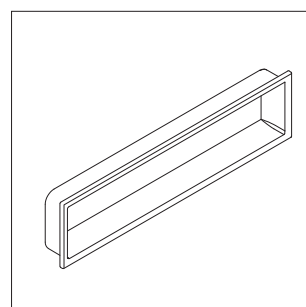
5_ 19.22.0xx



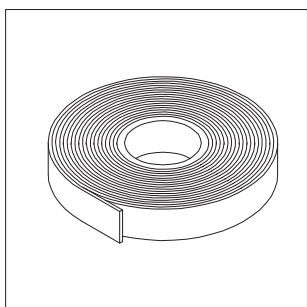
6_ 19.36.0xx



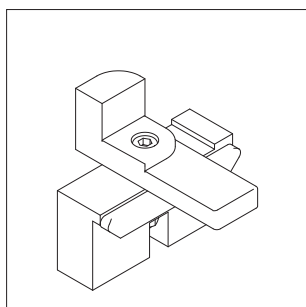
7_ 19.23.0xx / 19.24.0xx



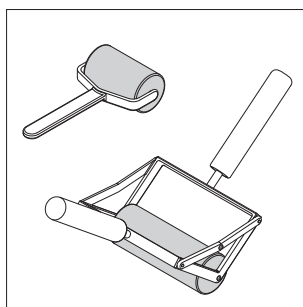
8_ 10.01.29x



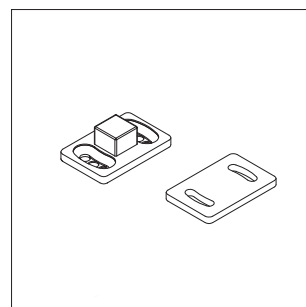
9_ 25.12.048



10_ 30.03.012 / 30.03.013



11_ 30.15.025 / 30.15.026



12_ 10.05.047 / 10.05.048

1_ Stile S8000

2_ Rail S800/S8000 air system

3_ Pick-up element S8000 air system

4_ Frame screws 6,3 x 32 mm /
screw for dividing rail

5_ Dividing rail S800/S8000

6_ Bottom rail S800/S8000 AIR / C 42

7_ Insert profile for dividing rail S800/S8000
Cover for dividing rail S800/S8000

8_ Handle insert S800/S8000/AIR

9_ Double side tape S8000

10_ Assembly tool S800/S8000 for anodized profiles /
Assembly tool S800/S8000 for powder coated profiles

11_ Pressure roller S800/S8000 for double sided tape /
Pressure roller S800/S8000 for glass

12_ bottom guiding 12 mm AIR / distance plate for guiding

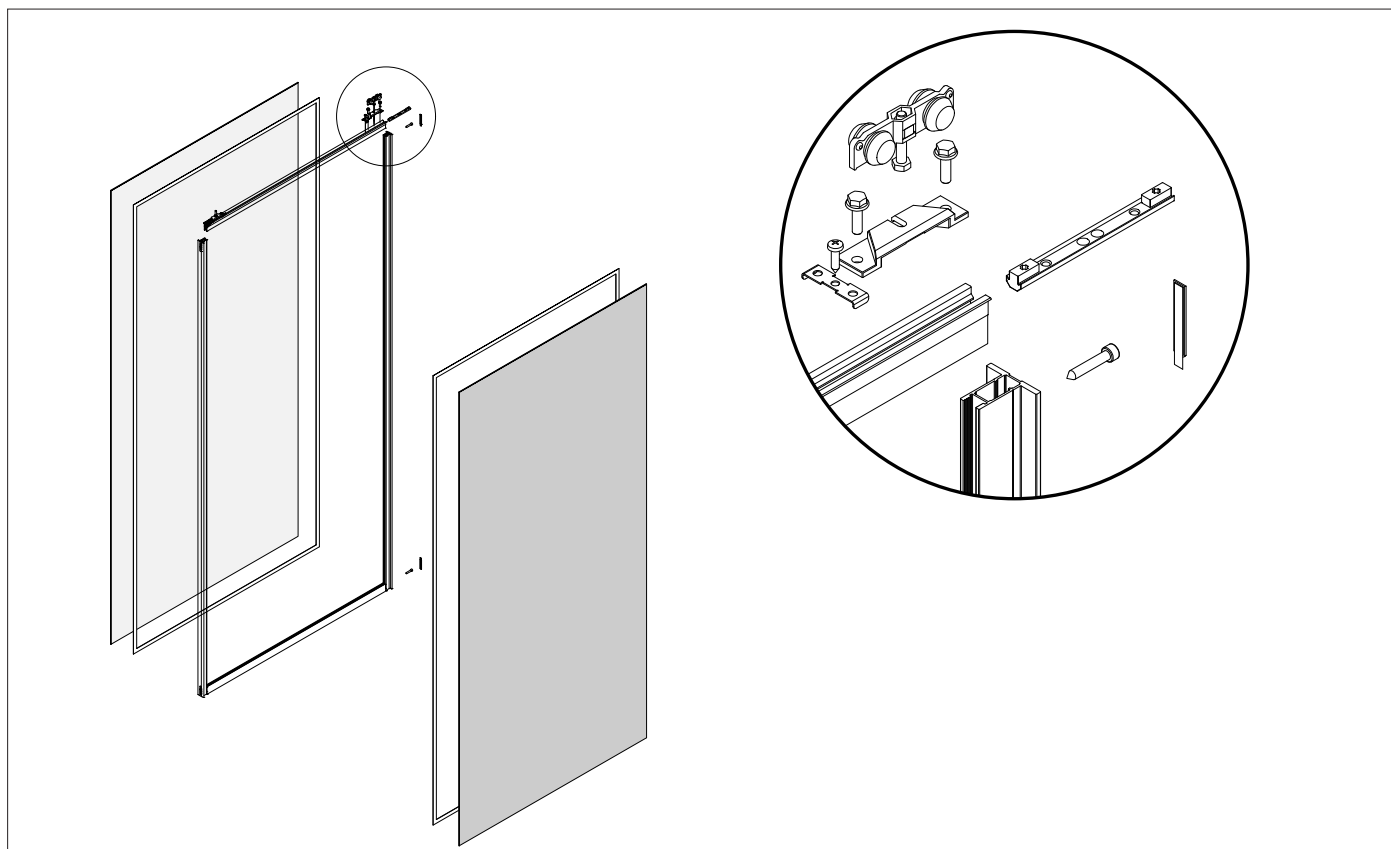
— **without illustration:**

13_ 8 mm gasket

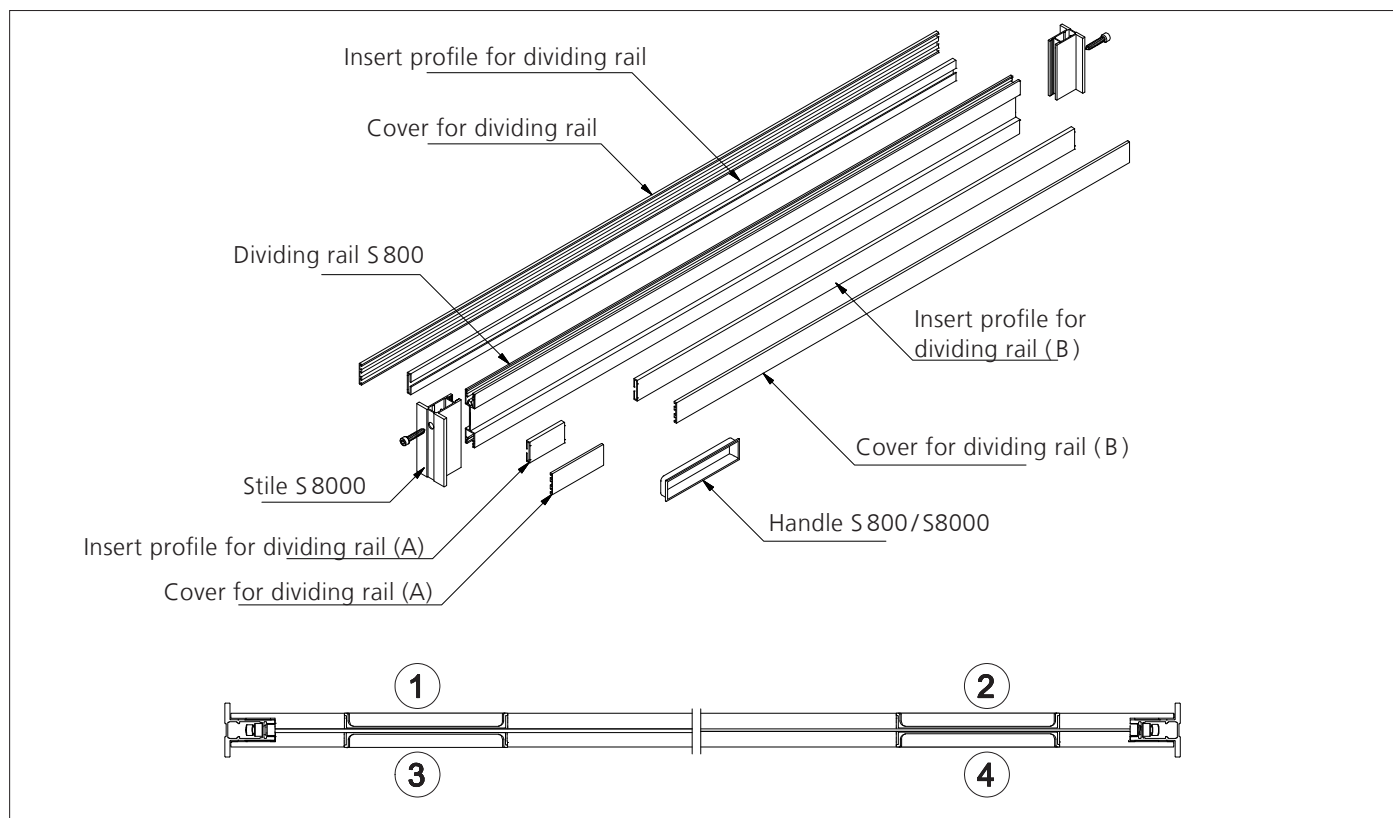
(10.07.034)

DETAIL DRAWING

EXPLODED DRAWING SYSTEM S 800/S8000 AIR / OPTIONAL: DIVIDING RAIL S 800/S8000



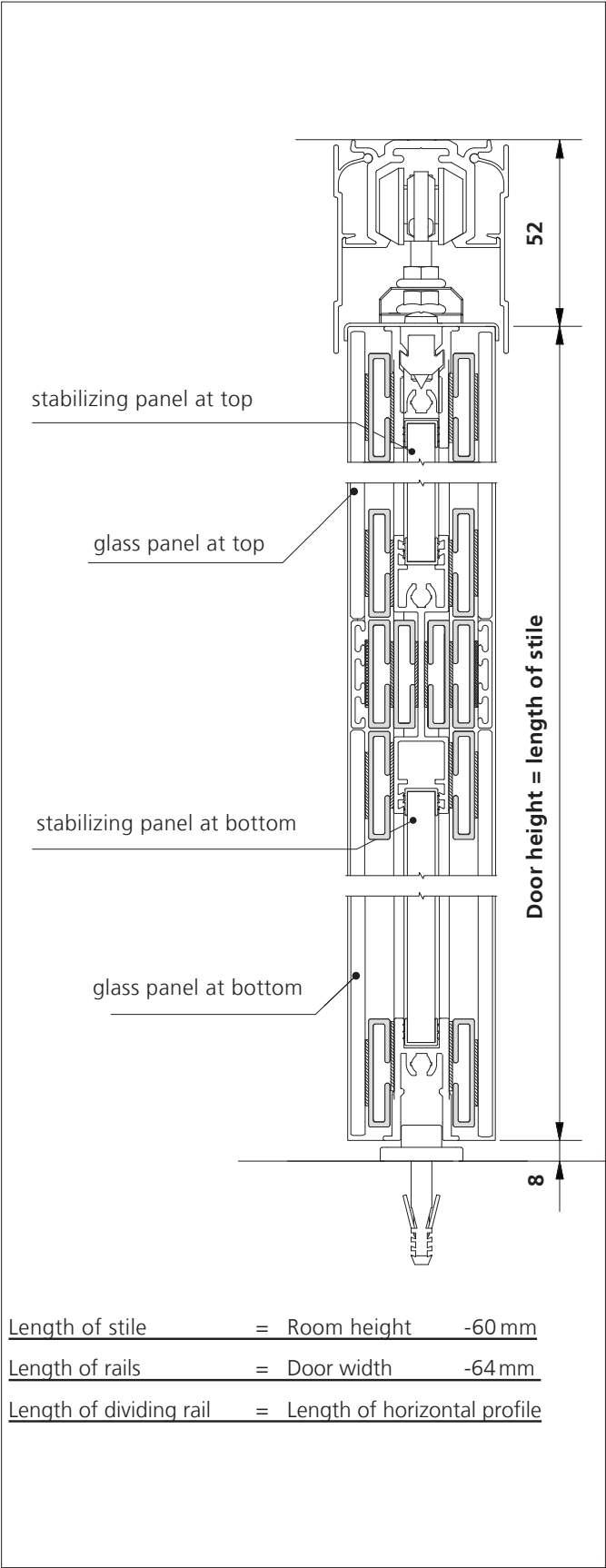
1_ S 8000 system AIR



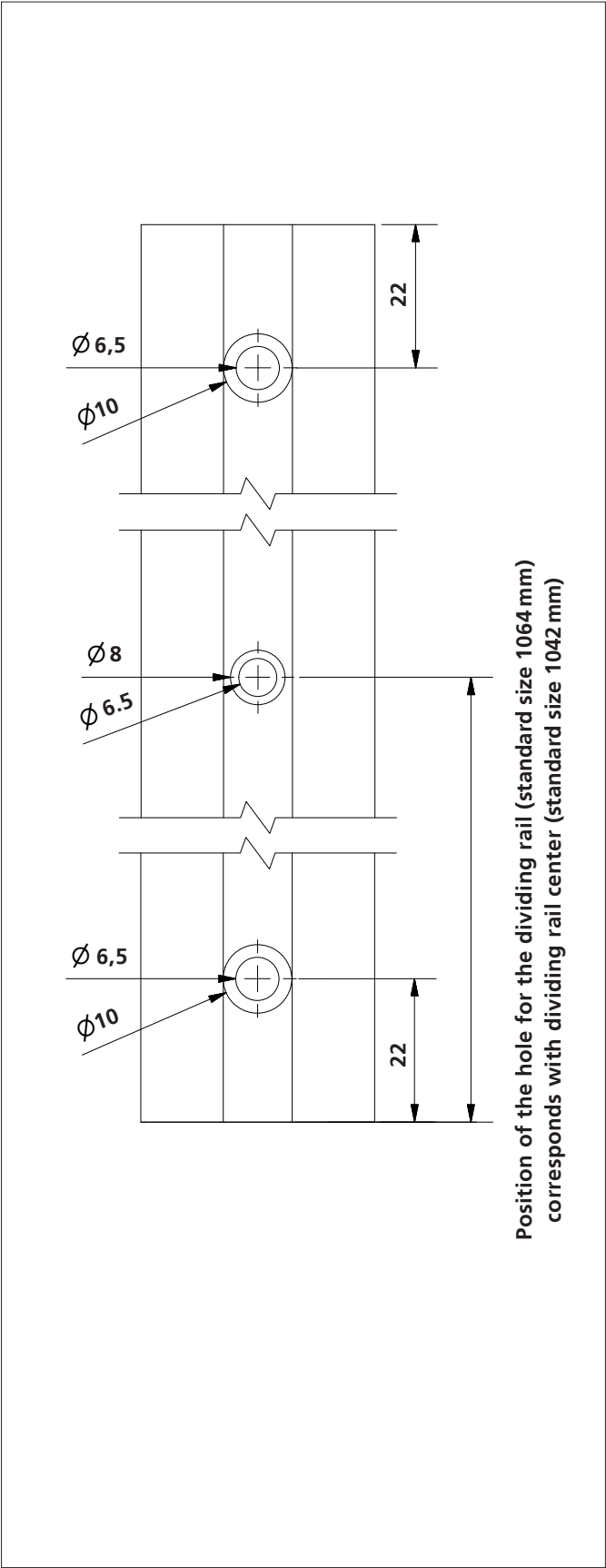
2_ Optional: dividing rail and handle S 800 / S8000, possible variations

CUTTING DIMENSION

S 8000 SYSTEM AIR



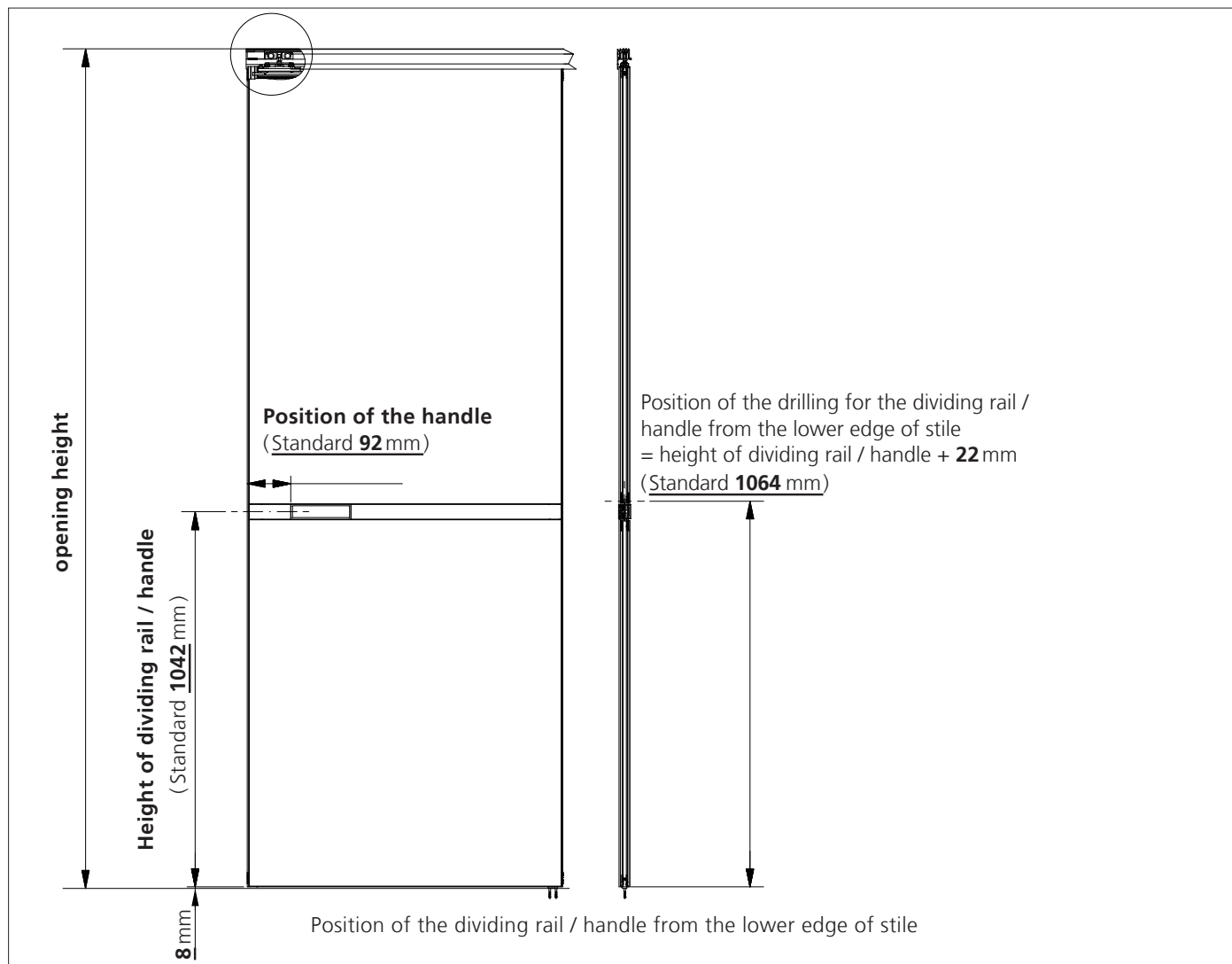
1_ Cross section vertical / cutting dimension



2_ Drill hole in vertical profile

CUTTING DIMENSION

DIVIDING RAIL / HANDLE SYSTEM AIR



3_ Position of the dividing rail / handle

Cutting dimension stabilizing panel 8 mm without dividing rail

Width stabilizing panel (A) = Door width -52 mm

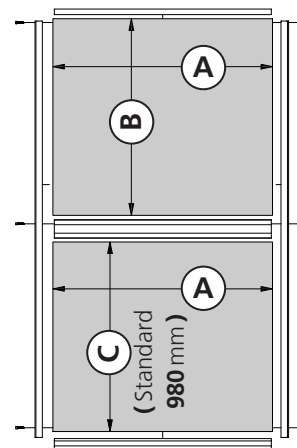
Height stabilizing panel (B) = Door height -57 mm

Cutting dimension stabilizing panel 8 mm with dividing rail

Width stabilizing panel (A) = Door width -52 mm

Height stabilizing panel (B) = Door height - height of dividing rail / handle -62 mm

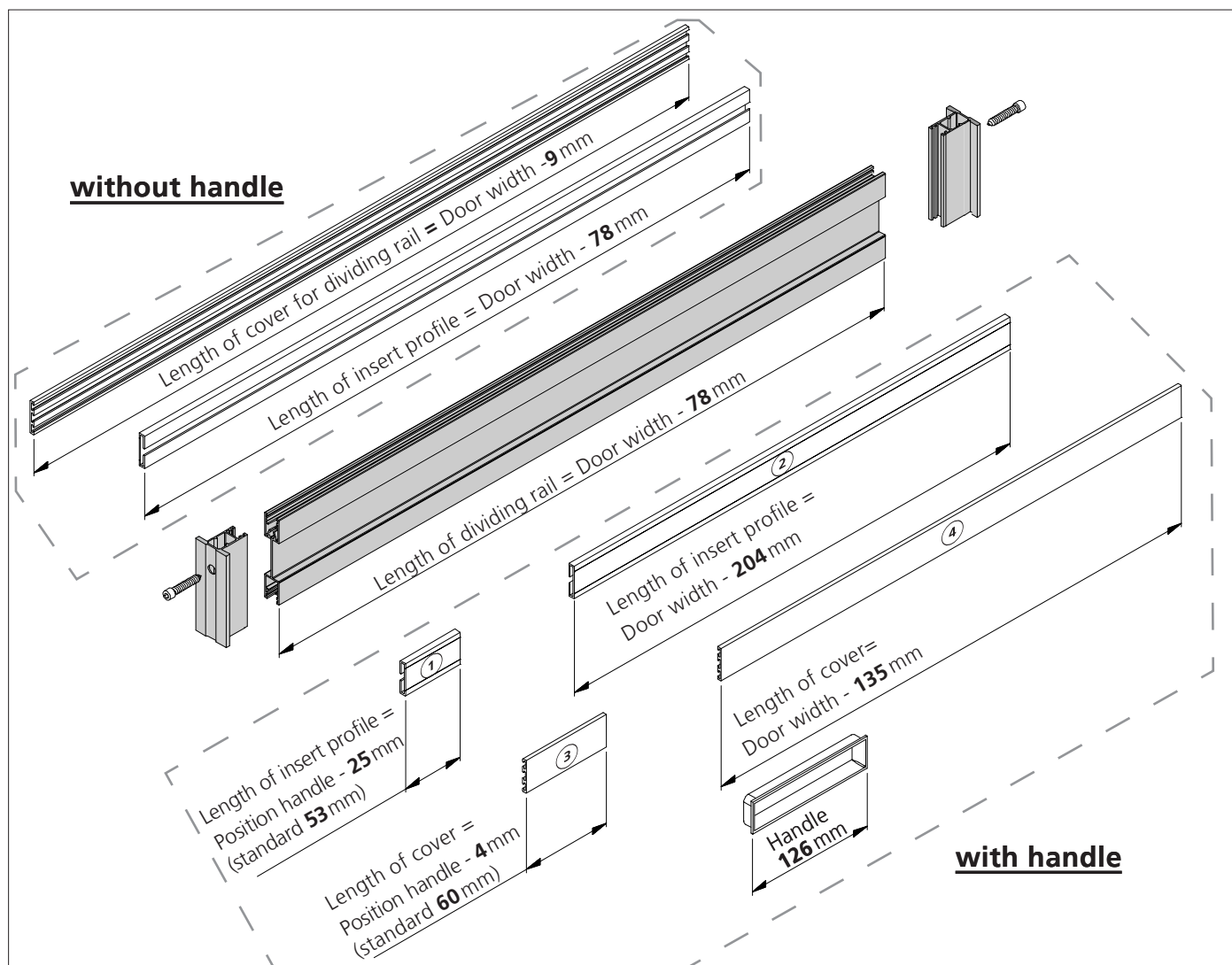
Height stabilizing panel (C) = Door height - height of dividing rail / handle -62 mm



4_ Cutting dimension stabilizing panel

CUTTING DIMENSION

DIVIDING RAIL AND HANDLE S800/S8000



2_ Cutting dimensions for handle and dividing rail

Cutting dimensions for glass panel 4 mm without dividing rail

Width glass panel (A) = Door width - 9 mm

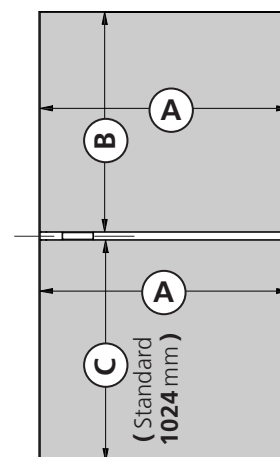
Height glass panel (B) = Door height - 5 mm

Cutting dimensions for glass panel 4 mm with dividing rail

Width glass panel (A) = Door width - 9 mm

Height glass panel (B) = Door height - Height of dividing rail / handle - 18 mm

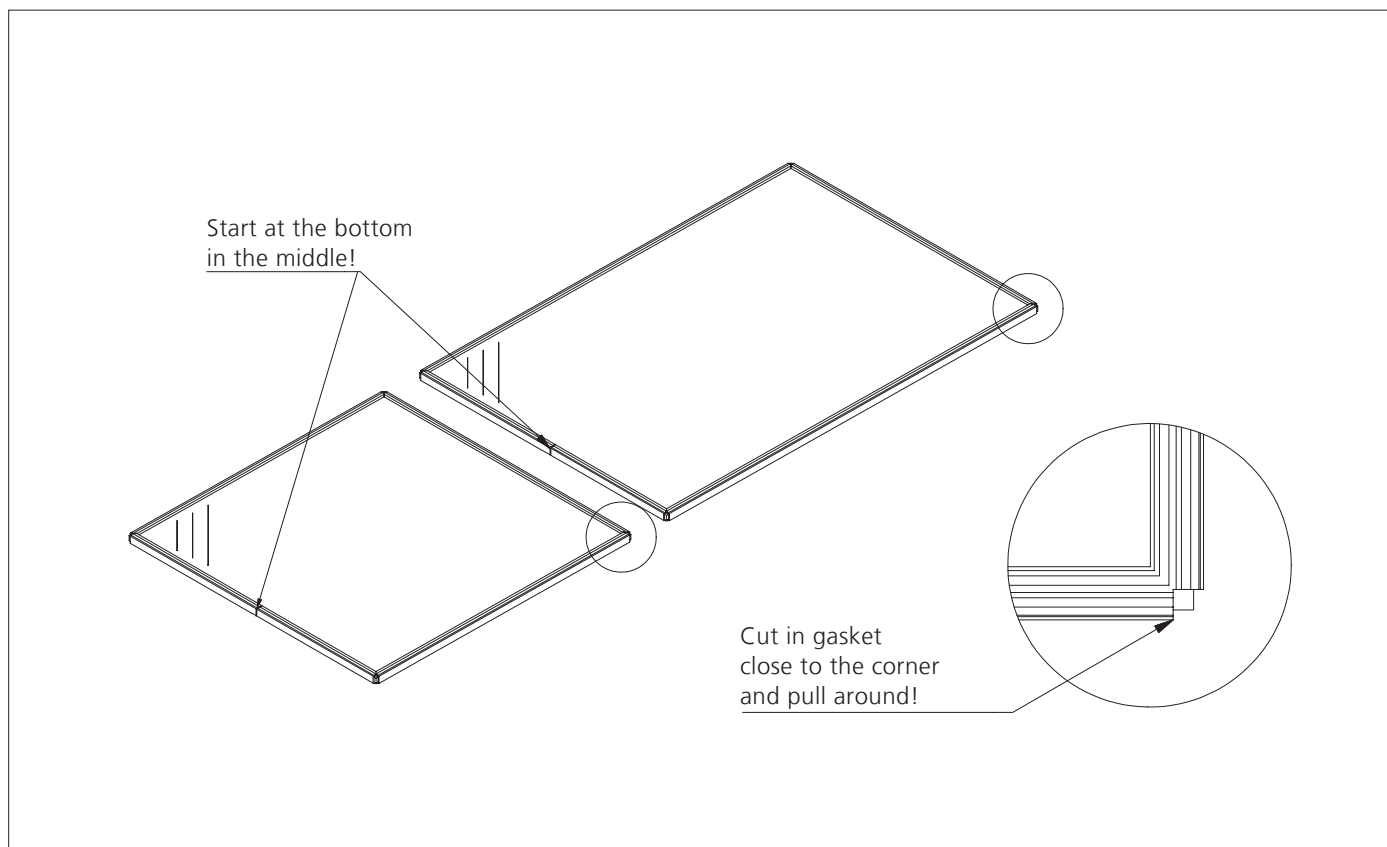
Height glass panel (C) = Height of dividing rail / handle - 18 mm



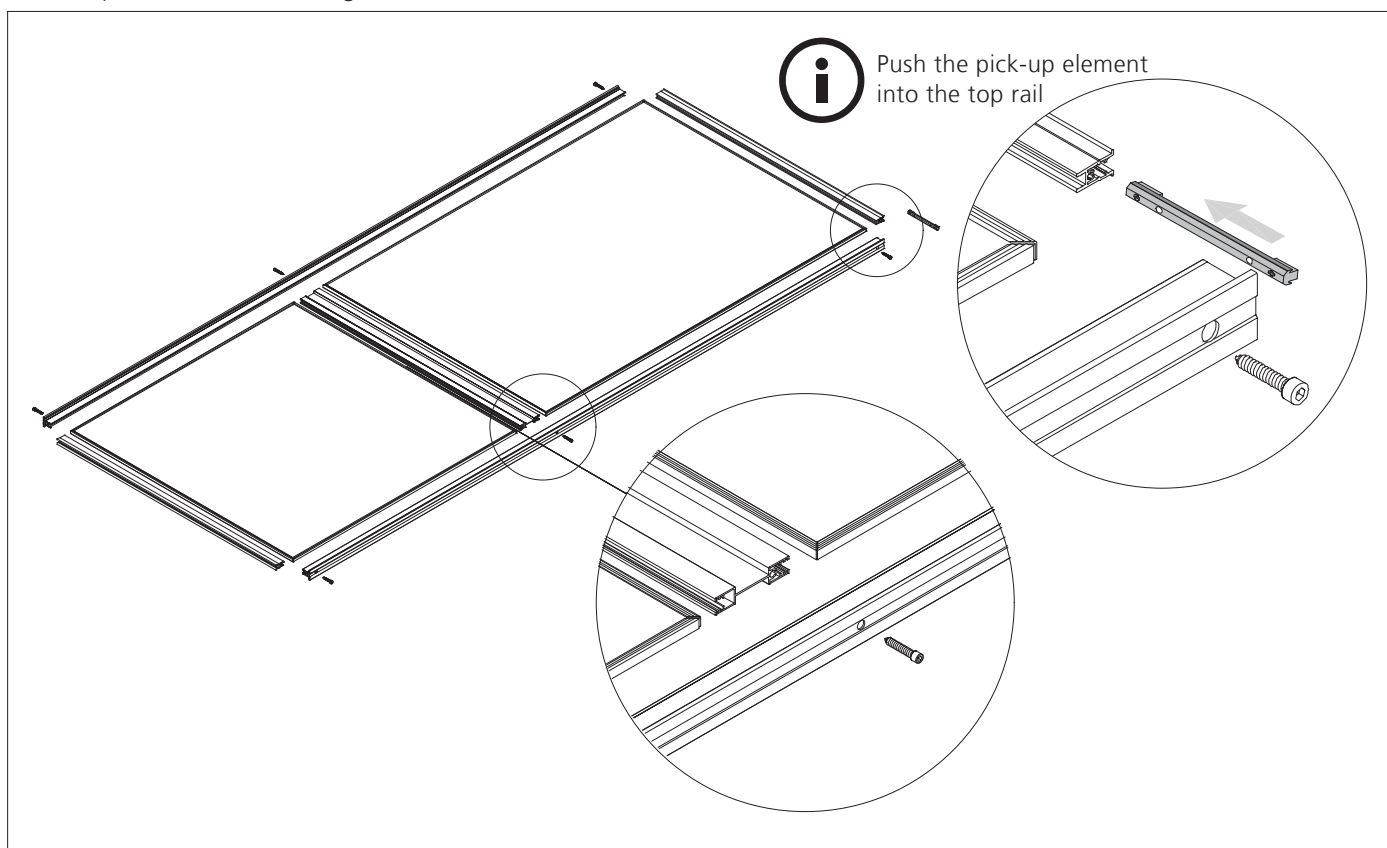
3_ Cutting dimensions for glass panel

ASSEMBLY INSTRUCTIONS

STABILIZING PANEL



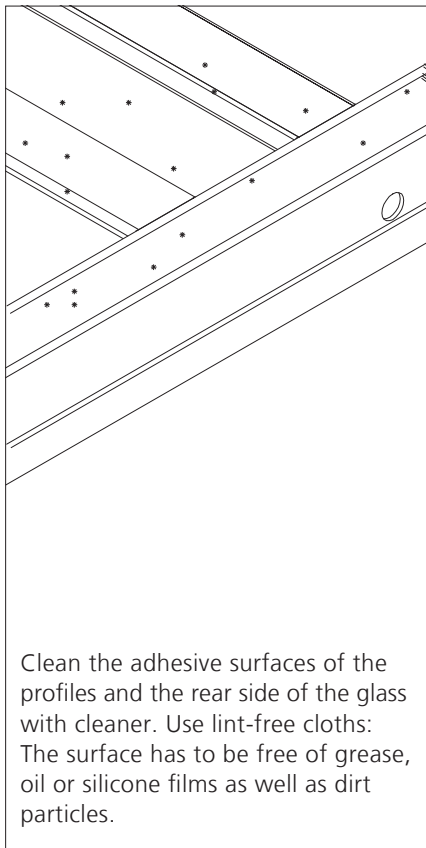
1_ Place panel on a table, affix gasket



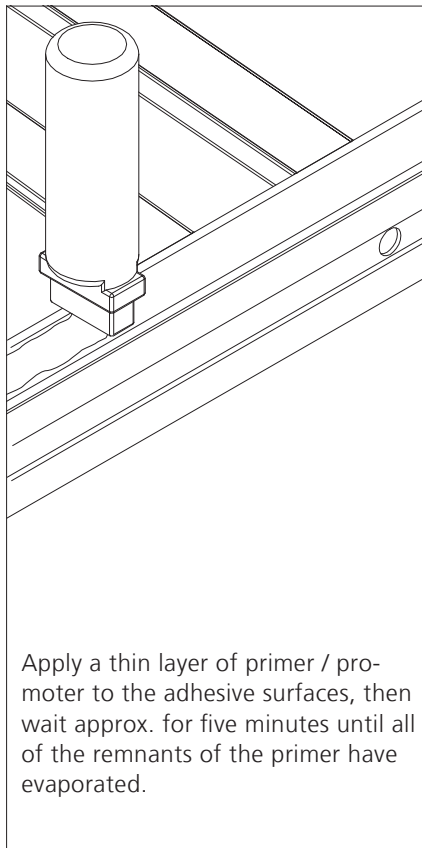
2_ Attach the vertical profile and the cross profiles, pound it well with the rubber hammer

ASSEMBLY INSTRUCTIONS

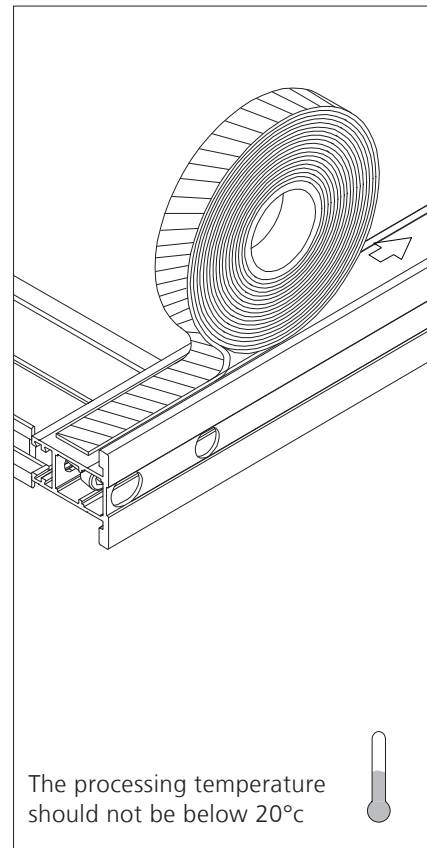
PREPARATION OF ADHESIVE SURFACES



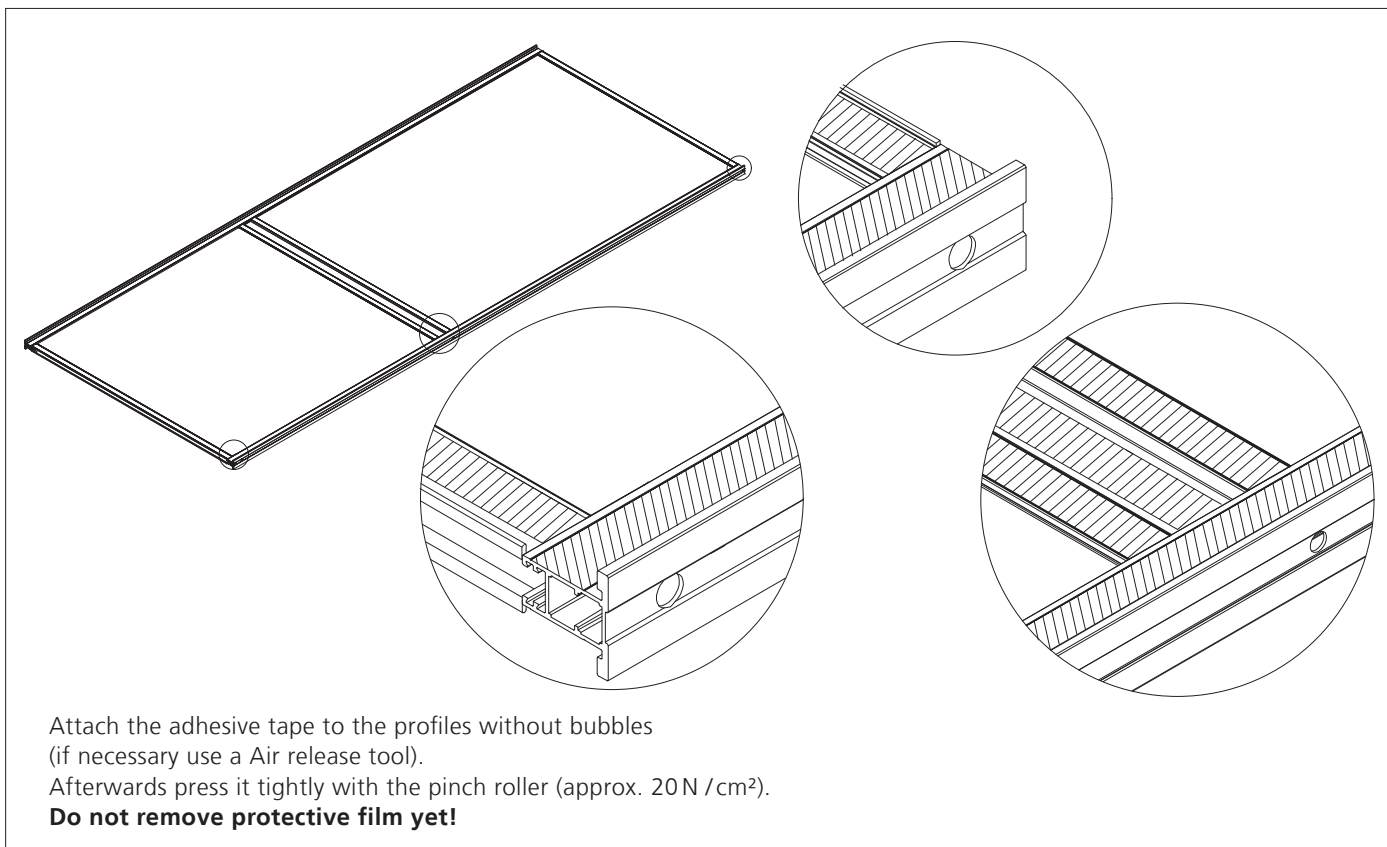
3_ Cleaner



4_ Primer / Promoter



5_ Adhesive tape

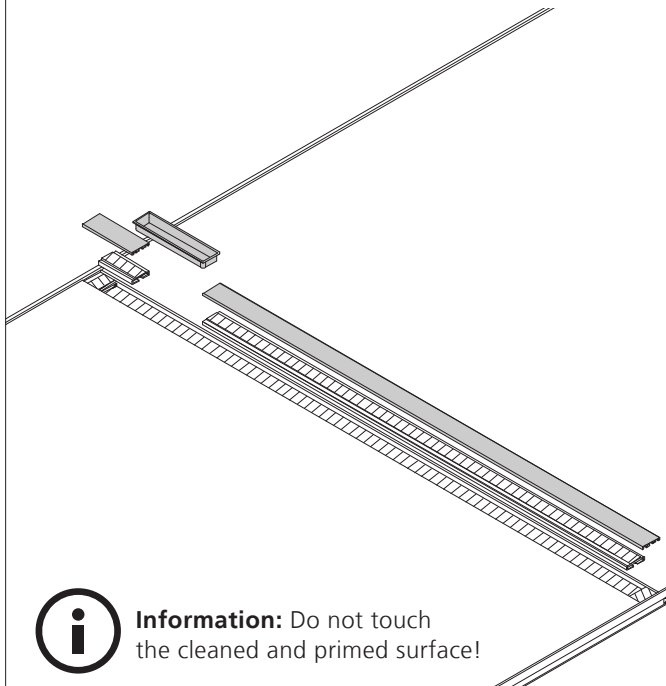


6_ Press on tape

ASSEMBLY INSTRUCTIONS

GLUING THE GLASS PANEL

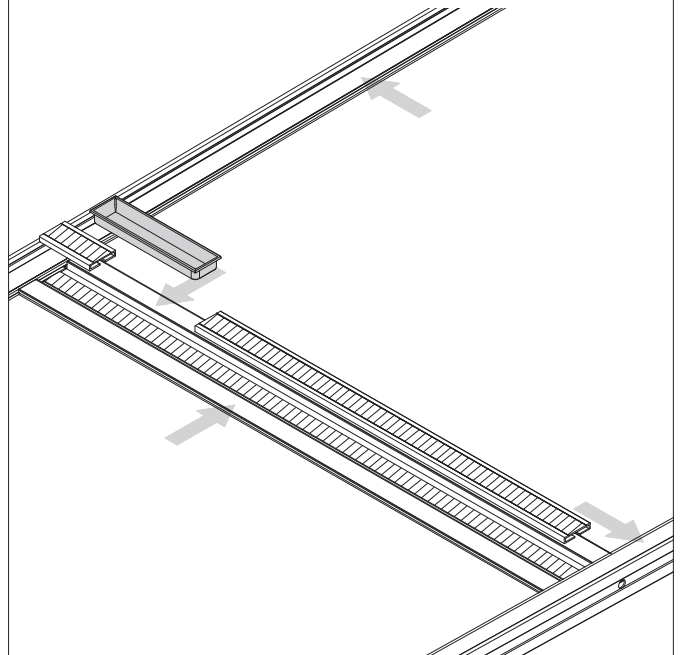
Place the glass panel, insert profile for dividing rail, cover for dividing rail and handle on the frame as a test and if necessary align the frame again.



7_ Preparation of gluing

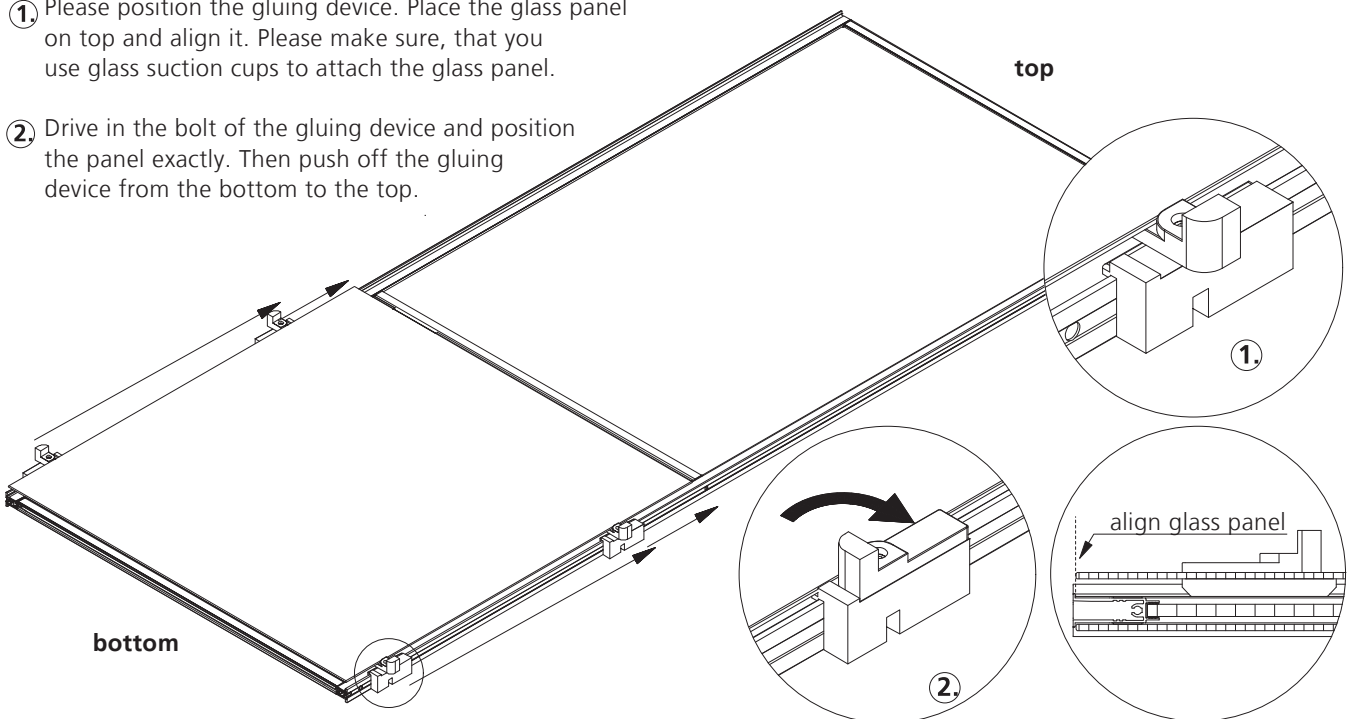
Clean and prime the adhesive surface, before gluing the glass panel. Remove the protective film from the vertical profile, horizontal bottom and top profile and the dividing rail.

Do not remove the protective film for **dividing rail, insert profile, cover and handle!**



8_ Preparation of gluing

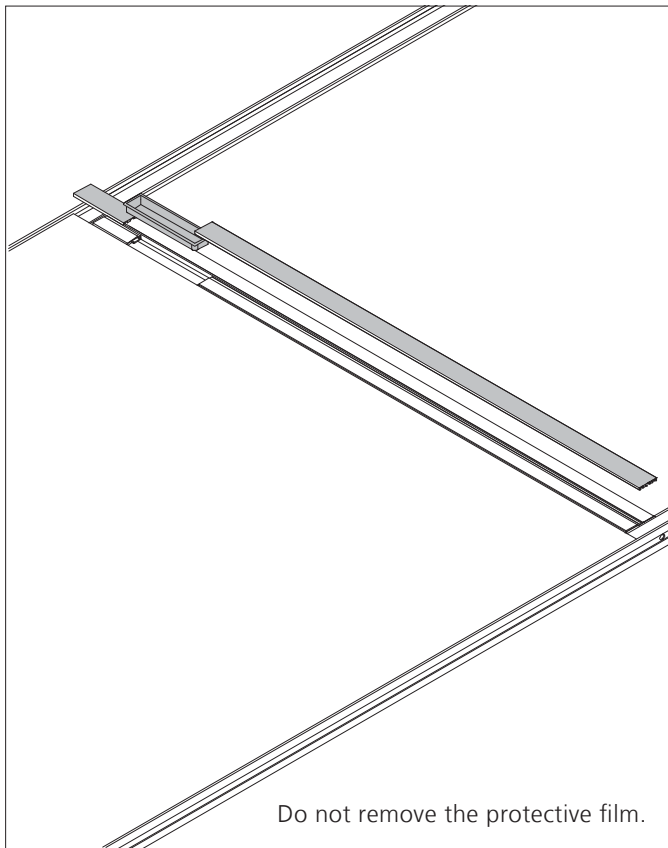
1. Please position the gluing device. Place the glass panel on top and align it. Please make sure, that you use glass suction cups to attach the glass panel.
2. Drive in the bolt of the gluing device and position the panel exactly. Then push off the gluing device from the bottom to the top.



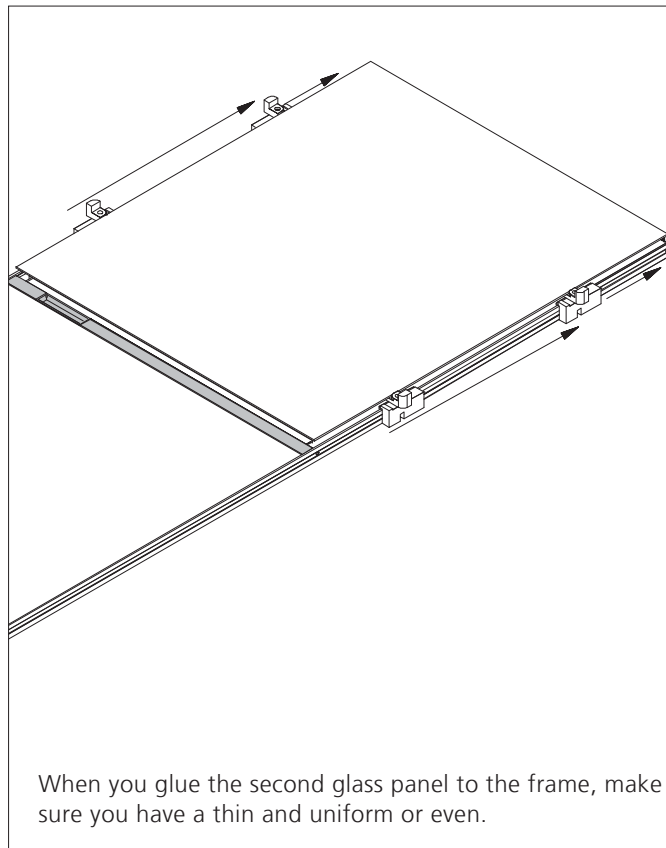
9_ Perform this workstep by two persons / Precision work is very important!

ASSEMBLY INSTRUCTIONS

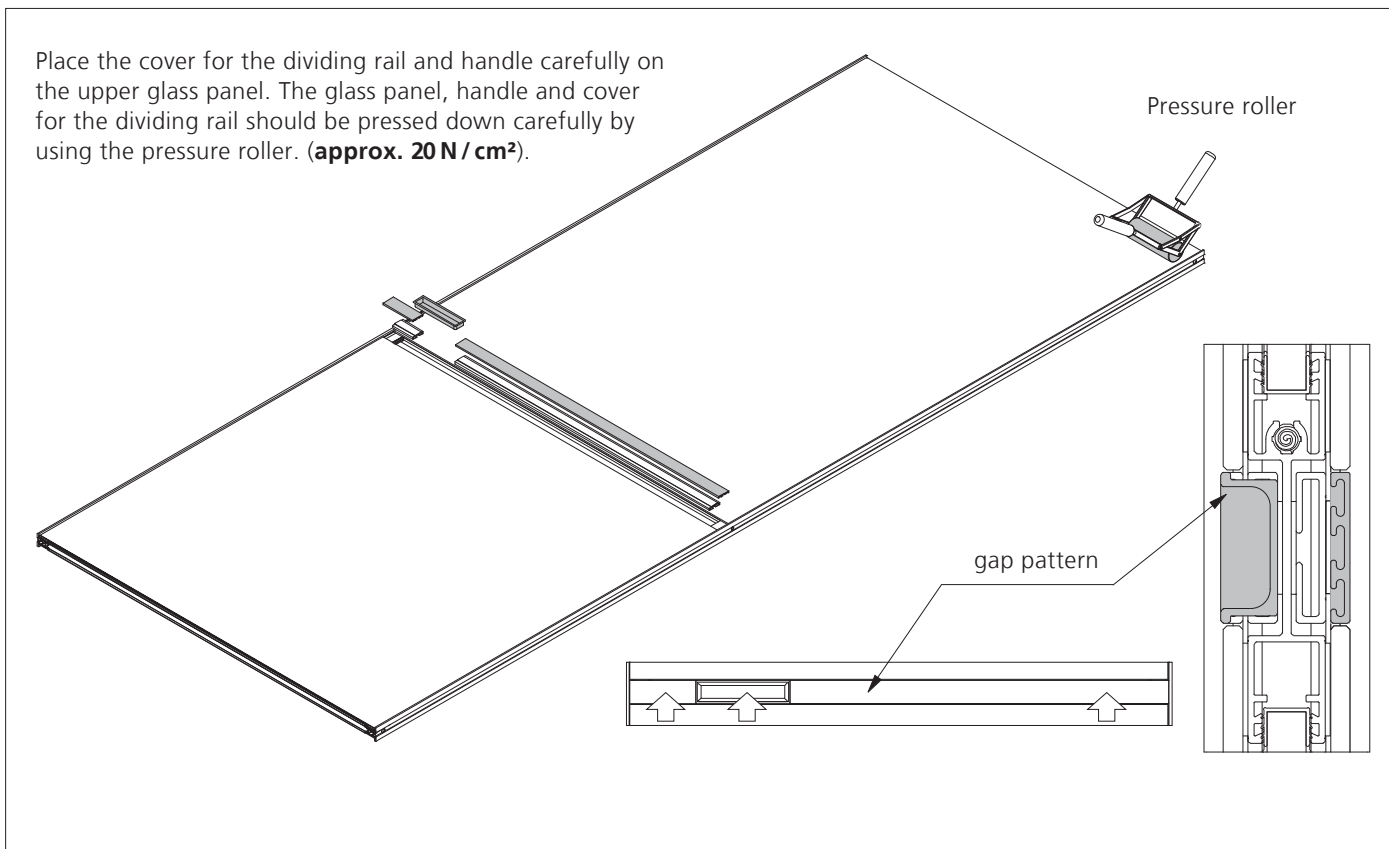
INSERT DIVIDING RAIL AND HANDLE



10_ Insert the insert profile, cover and the handle



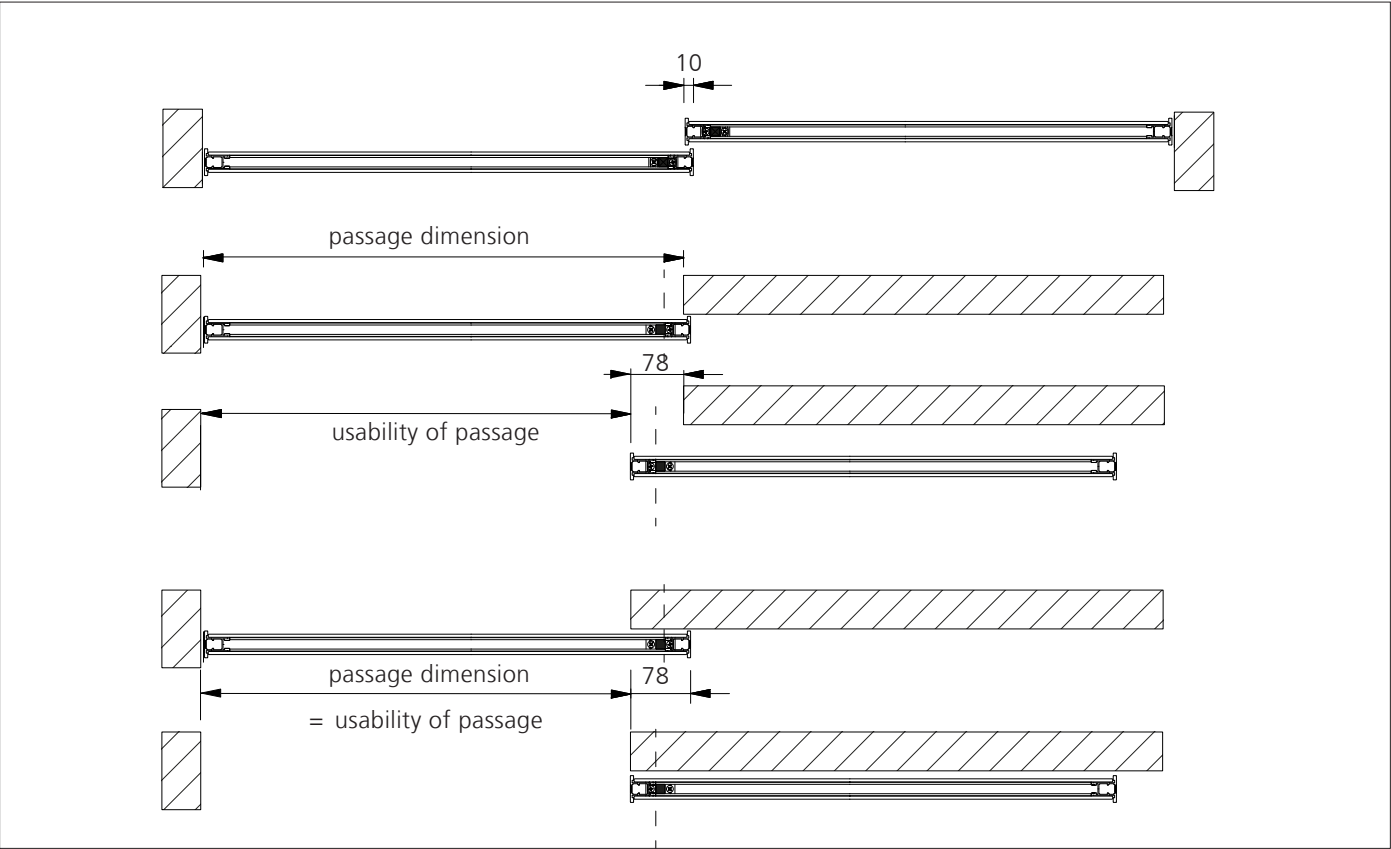
11_ Glue the second glass panel



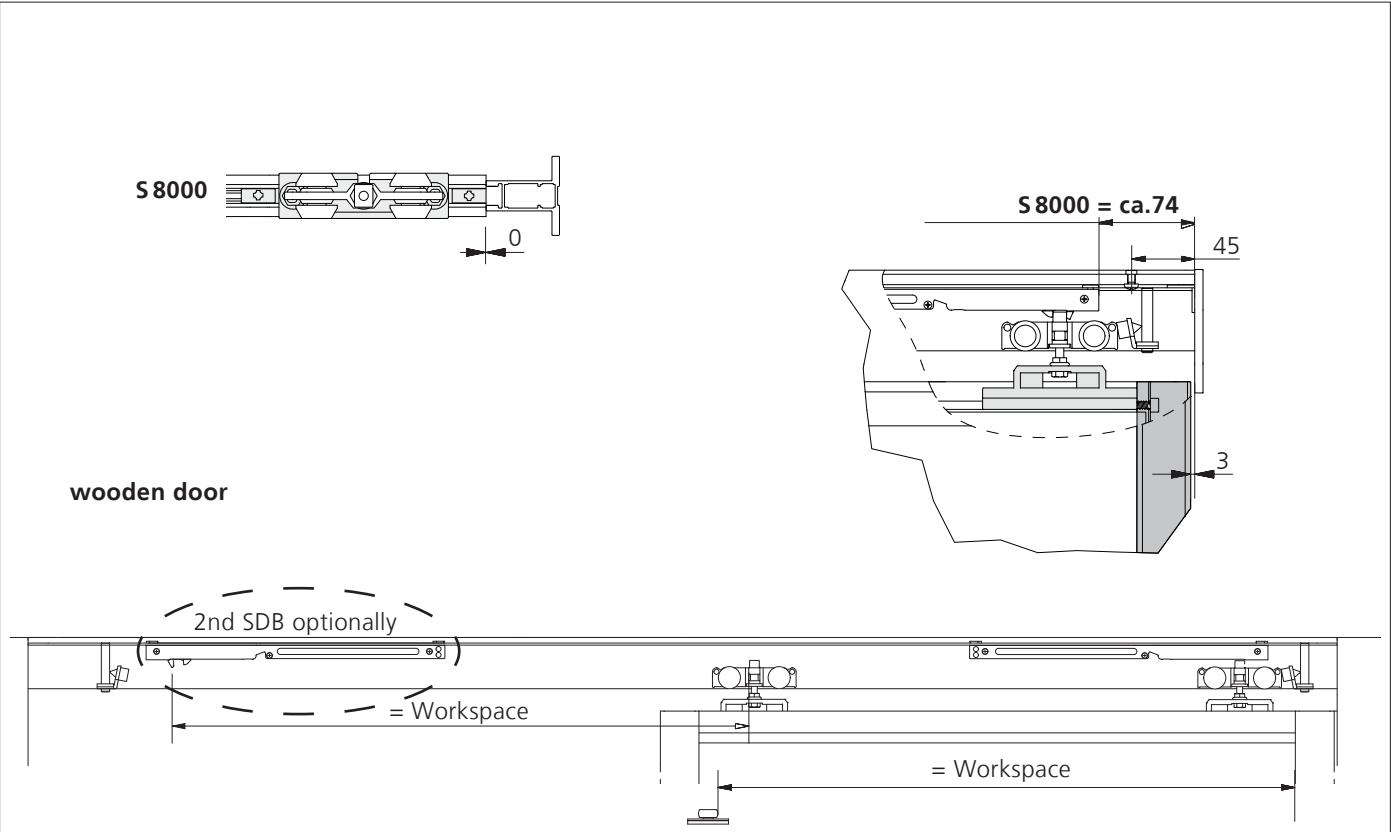
12_ Use the insert profile for dividing rail, cover for dividing rail and the handle

DETAIL DRAWING

OVERLAP / BOTTOM GUIDE S 8000 AIR-B

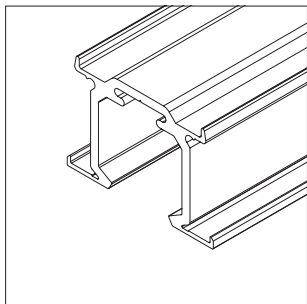


Overlapping

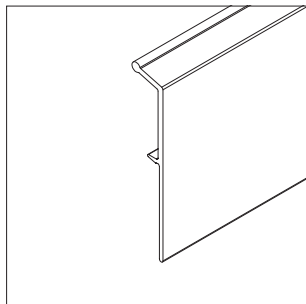


Positioning of the sliding door brake (SDB)

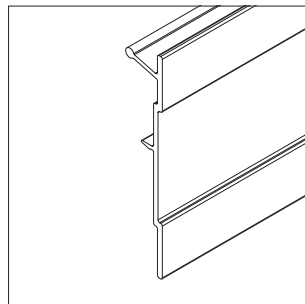
ACCESSORIES



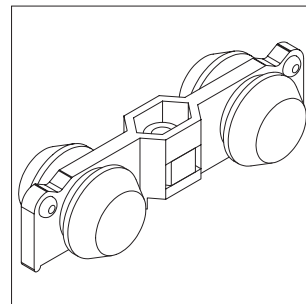
1_ 14.55.0xx



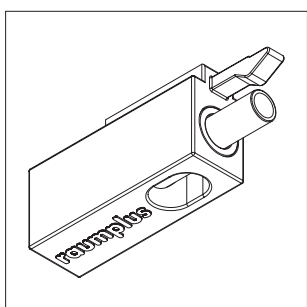
2_ 14.53.0xx



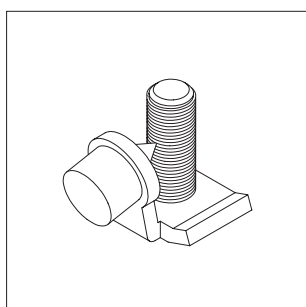
3_ 14.50.0xx



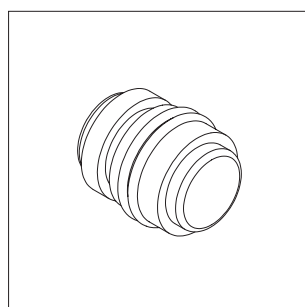
4_ 10.06.200



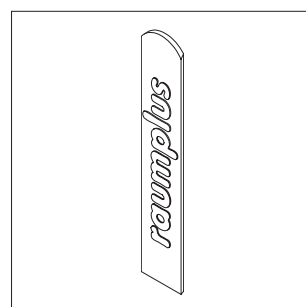
5_ 10.05.017



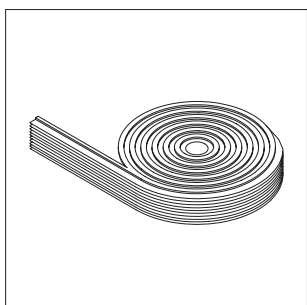
6_ 10.05.060



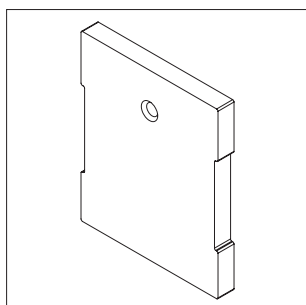
7_ 10.05.030



8_ 10.07.05x



9_ 10.07.02x



10_ 10.05.291

- 1_ Top track insert AIR
- 2_ Middle insert profile AIR
- 3_ Cover for top track insert AIR
- 4_ Top roller AIR
- 5_ Stopper for top roller with door brake AIR
- 6_ Stopper for top track AIR
- 7_ Brake for top roller AIR
- 8_ Plug for punching holes
- 9_ Dust excluding brush, grey

optionally:

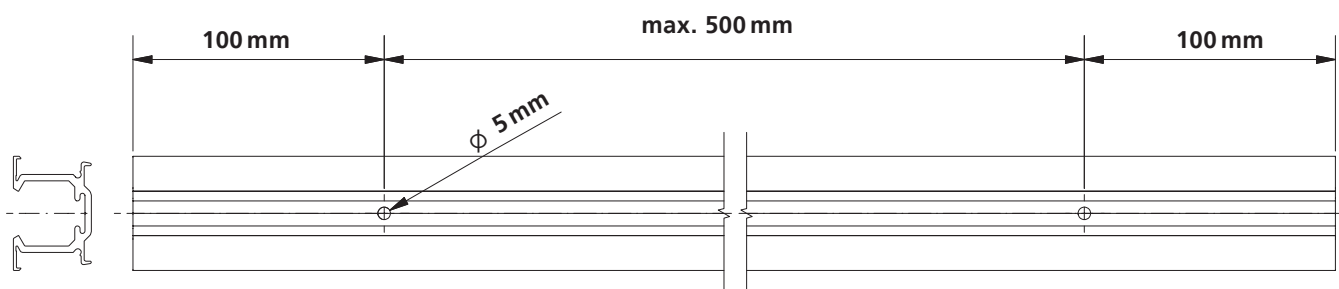
- 10_ End cap for insert profile

w / o illustration:

- | | |
|---|-----------------|
| 11_ End cap for wall connection profile | Art.: 10.05.2xx |
| 12_ Connector for end cap | Art.: 10.05.290 |
| 13_ Screw for wall connection profile | Art.: 10.07.081 |
| 14_ Nut for wall connection profile | Art.: 10.07.082 |
| 15_ Wall connection profile Air S42 | Art.: 14.54.020 |
| 16_ Bracket for dust excluding | Art.: 10.01.039 |

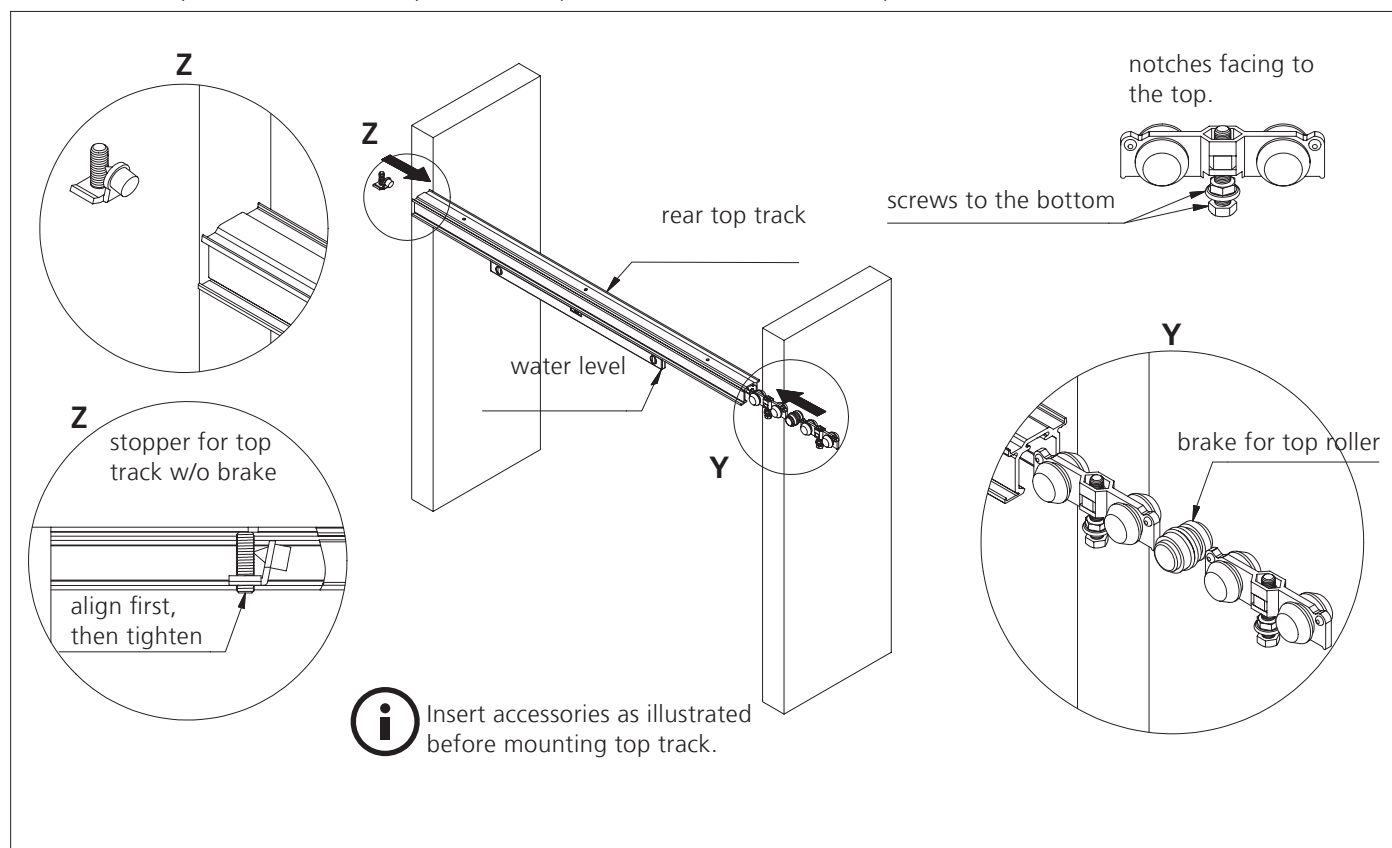
INSTALLATION INSTRUCTION / WITHOUT SDB

TOP TRACK



Screws and dowels for mounting the top track must be adapted to the respective ground.
The capacity must be at least **60 kg** per door.

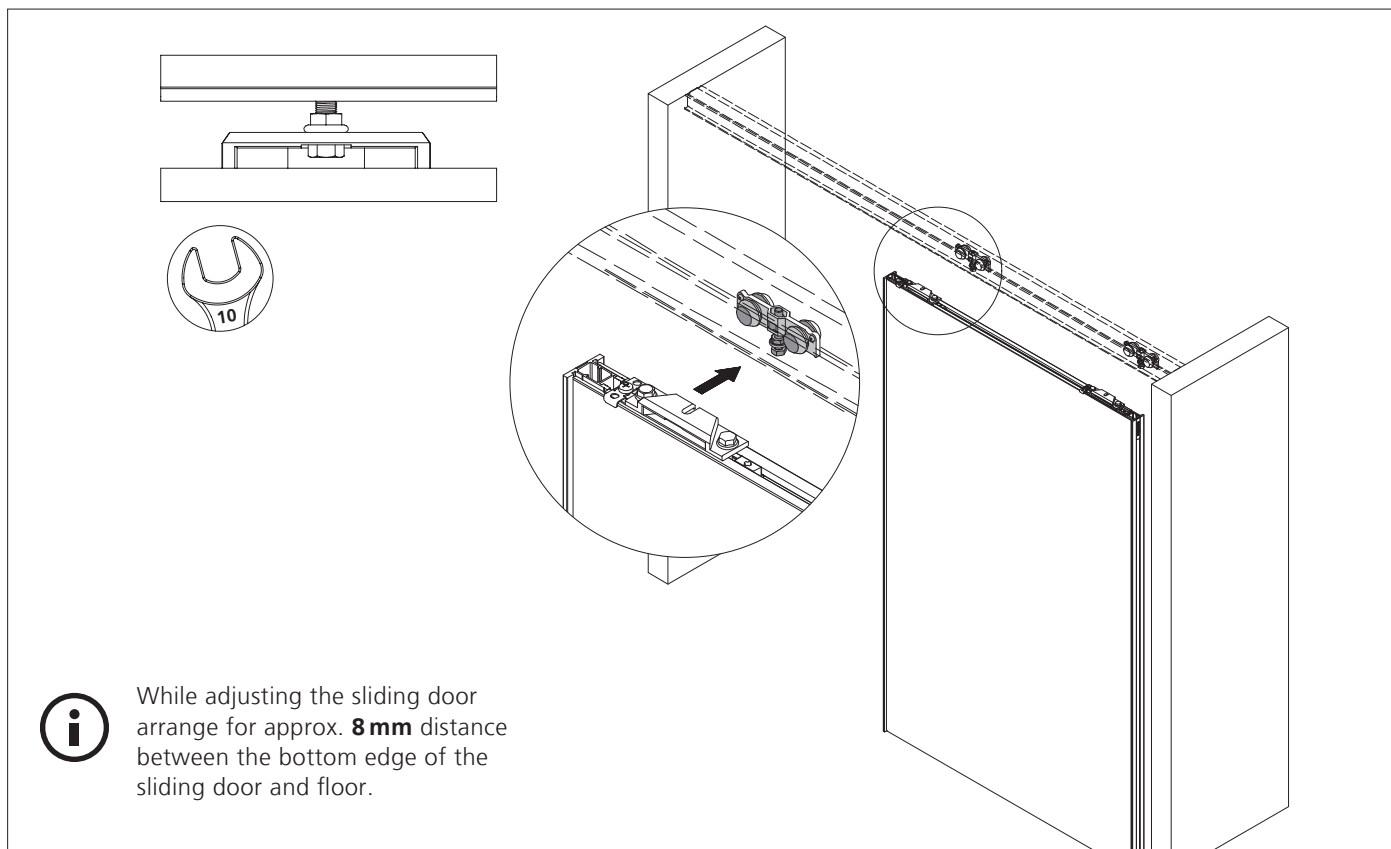
Cut cover for top track, middle insert profile and top track to size, drill holes in top track



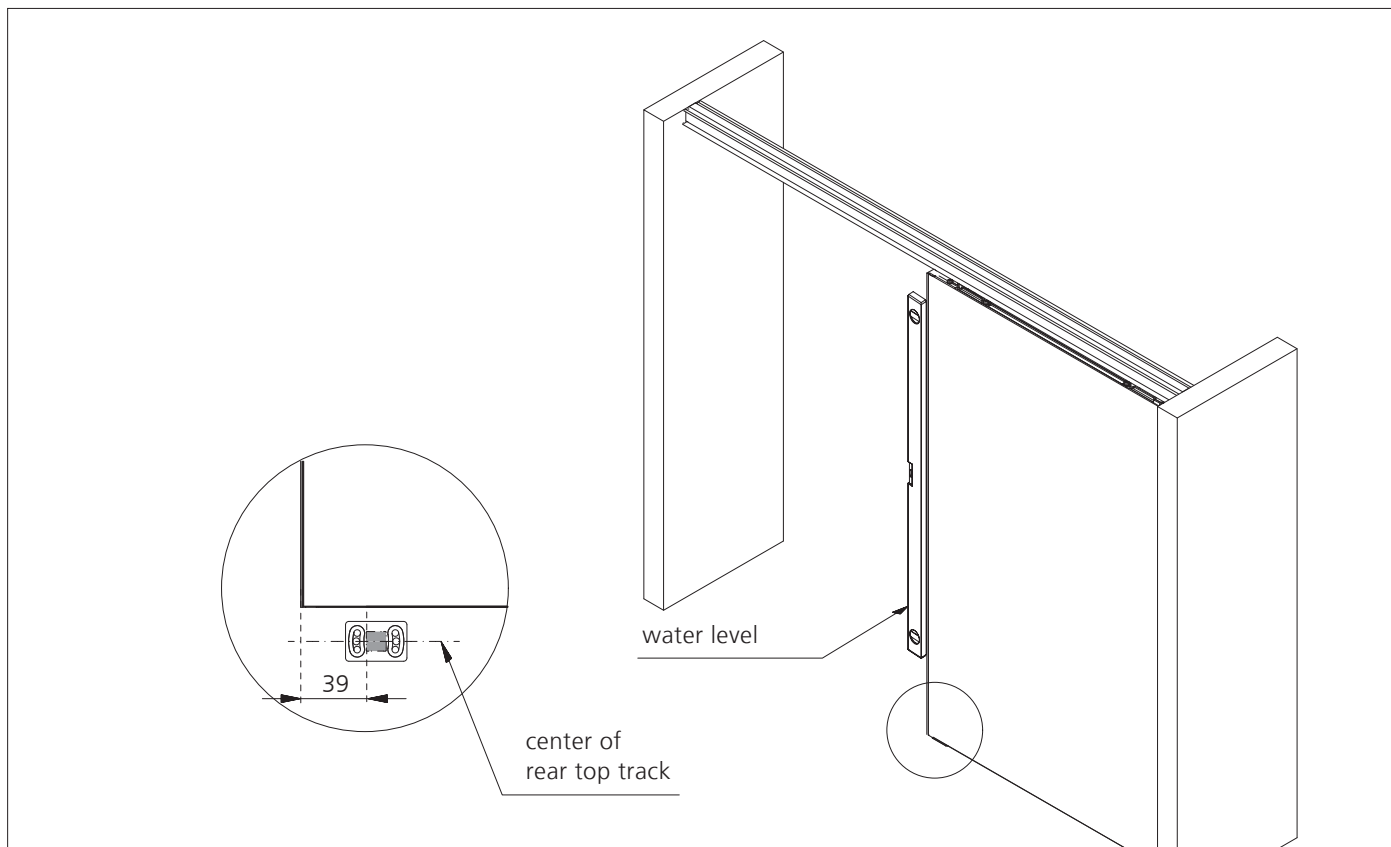
Drill holes in ceiling / top of corpus and mount the rear top track horizontally (fig. w/o ceiling / corpus)

INSTALLATION INSTRUCTION / WITHOUT SDB

ADJUST SLIDING DOOR



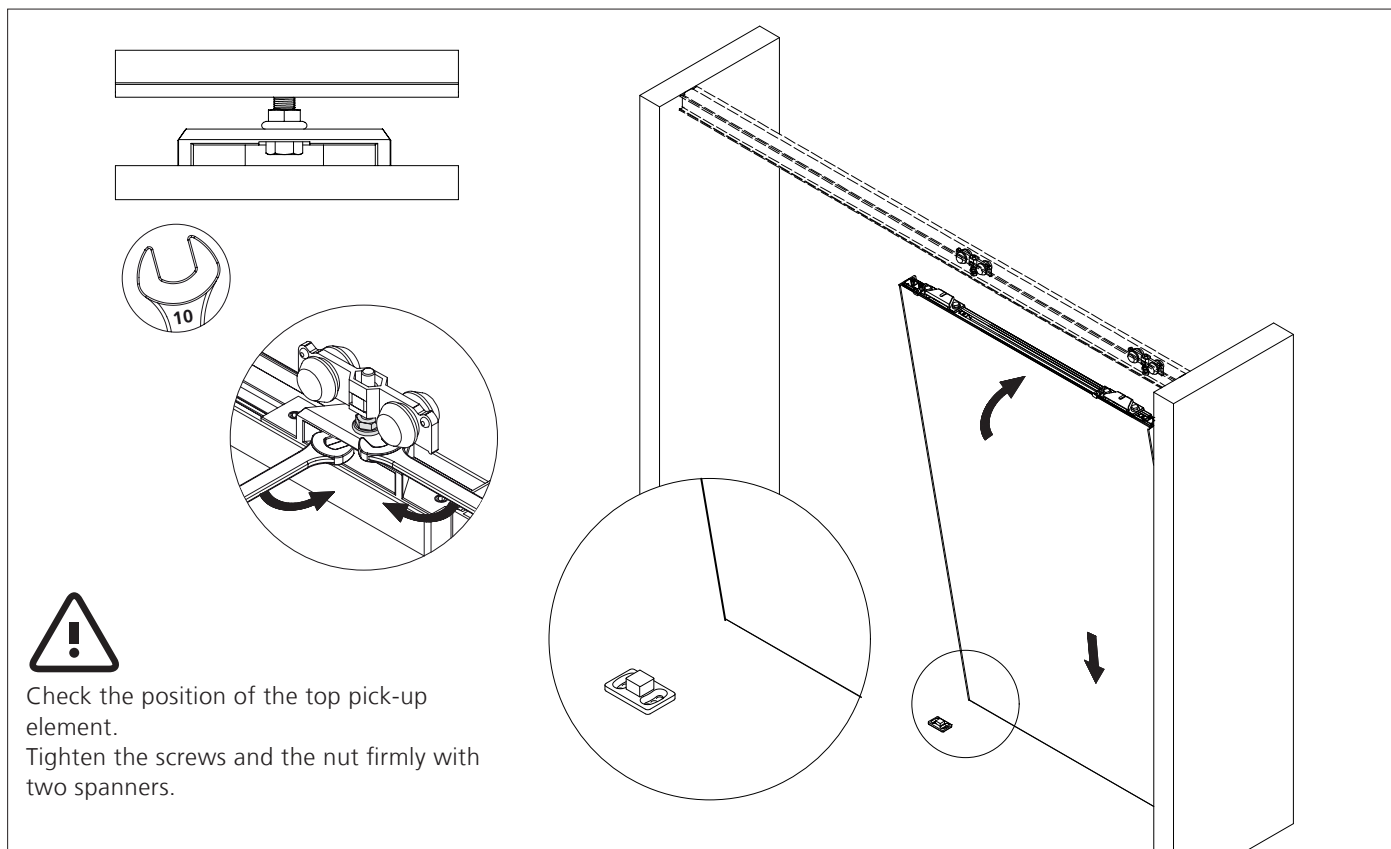
Hinge the rear sliding door and adjust perpendicularly with the set screws - do not tighten yet



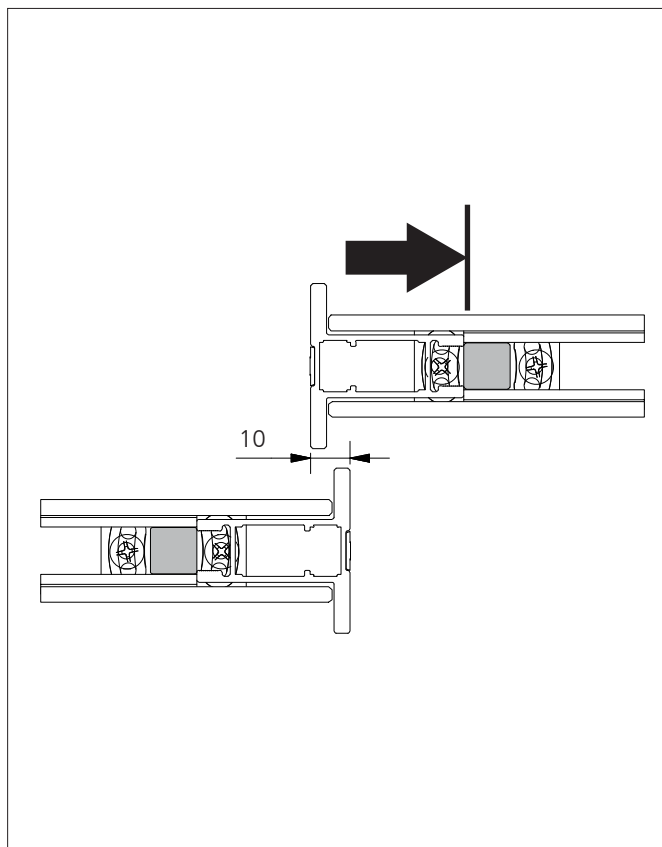
Mark position of ground plate (masking tape/pencil), unhinge rear sliding door and mount the bottom guiding.

INSTALLATION INSTRUCTION / WITHOUT SDB

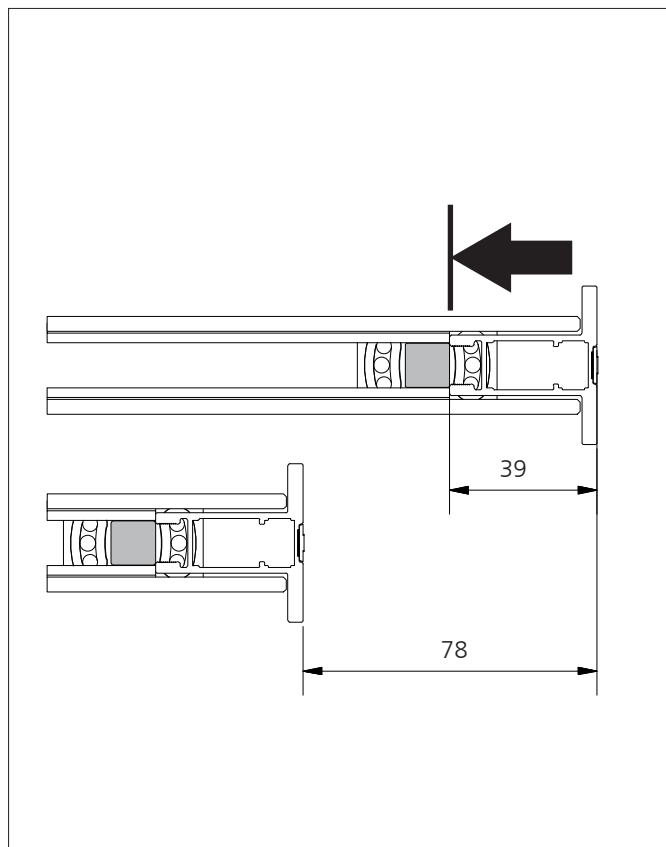
BOTTOM GUIDING



Install rear sliding door, then tighten the counter nuts at the top pick-up elements



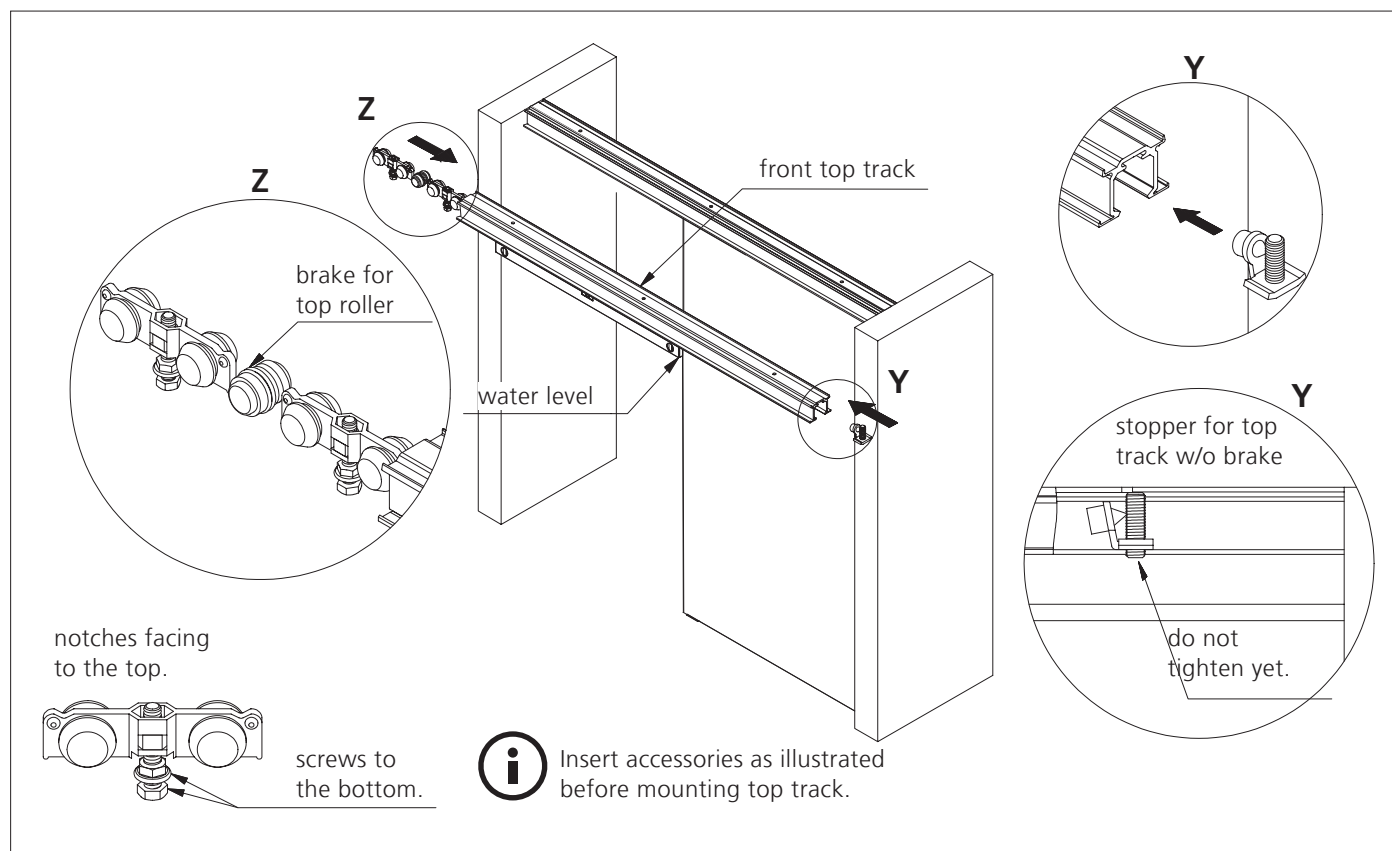
overlap S 8000 AIR



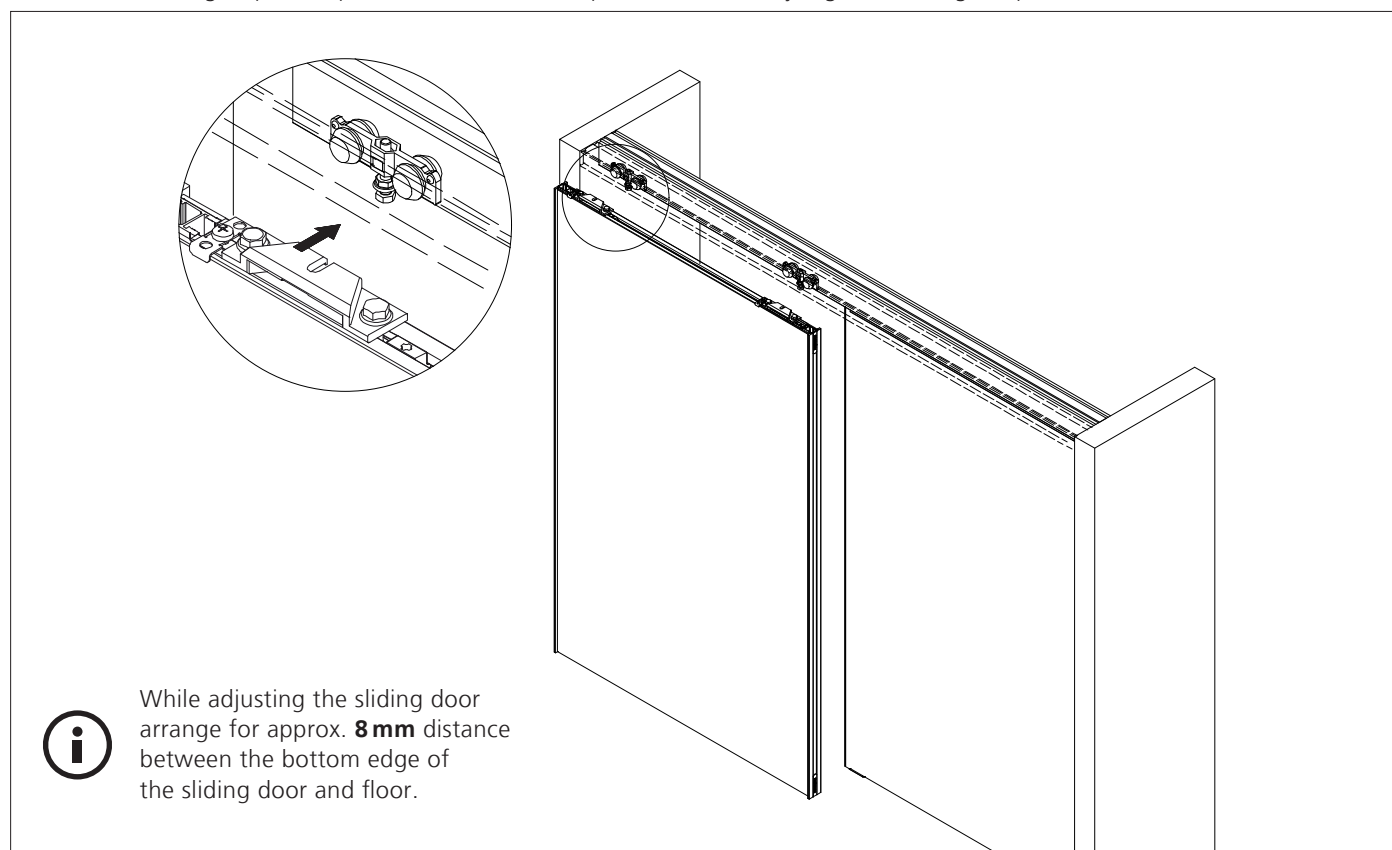
opening restriction S 8000 AIR

INSTALLATION INSTRUCTION / WITHOUT SDB

SECOND TOP TRACK



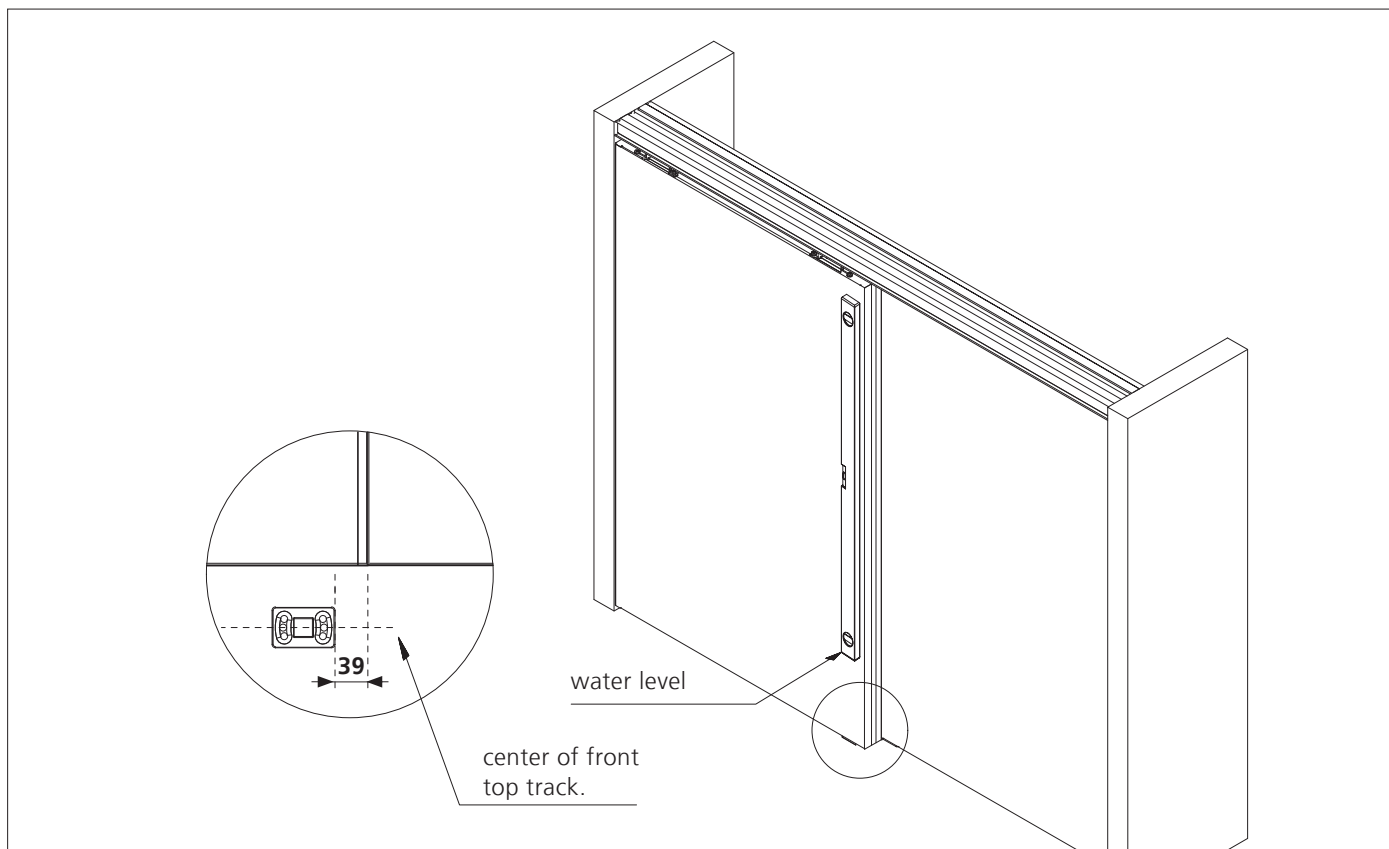
Drill holes in ceiling/top of corpus and mount front top track horizontally (fig. w/o ceiling/corpus)



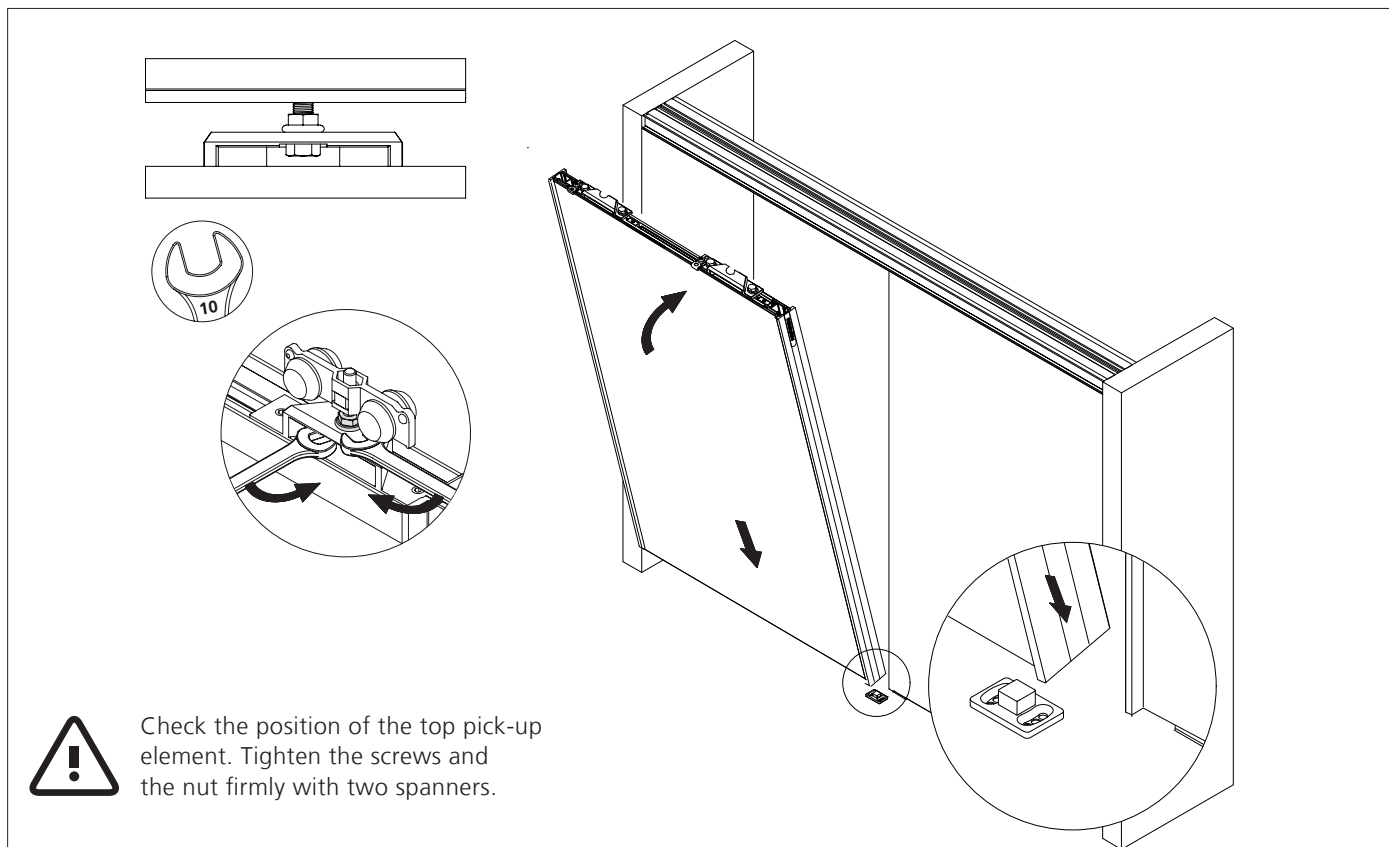
Hinge the front sliding door and adjust perpendicular with the set screws - do not tighten yet

INSTALLATION INSTRUCTION / WITHOUT SDB

BOTTOM GUIDING



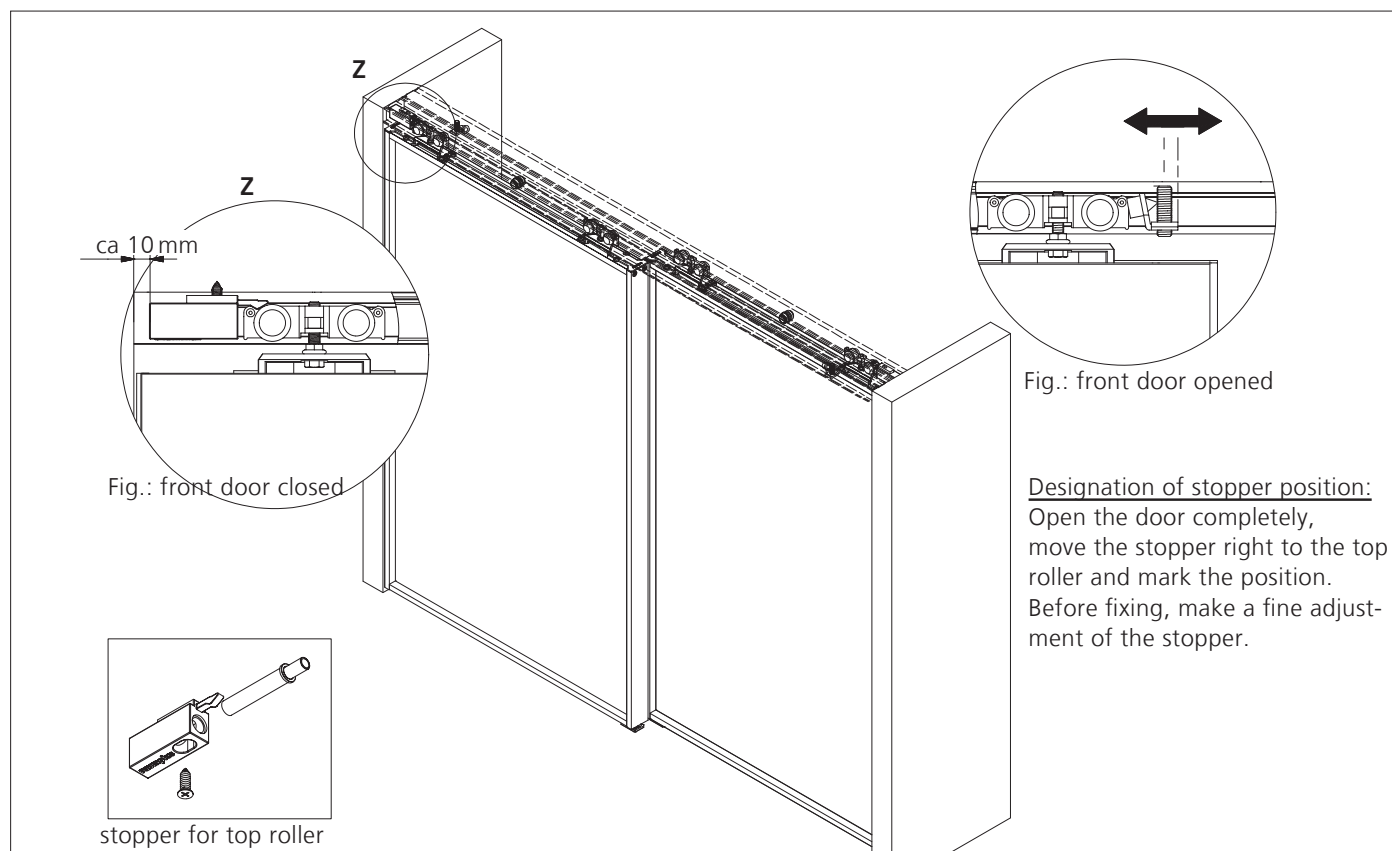
Mark position of ground plate (masking tape / pencil), unhinge front sliding door and mount the bottom guiding.



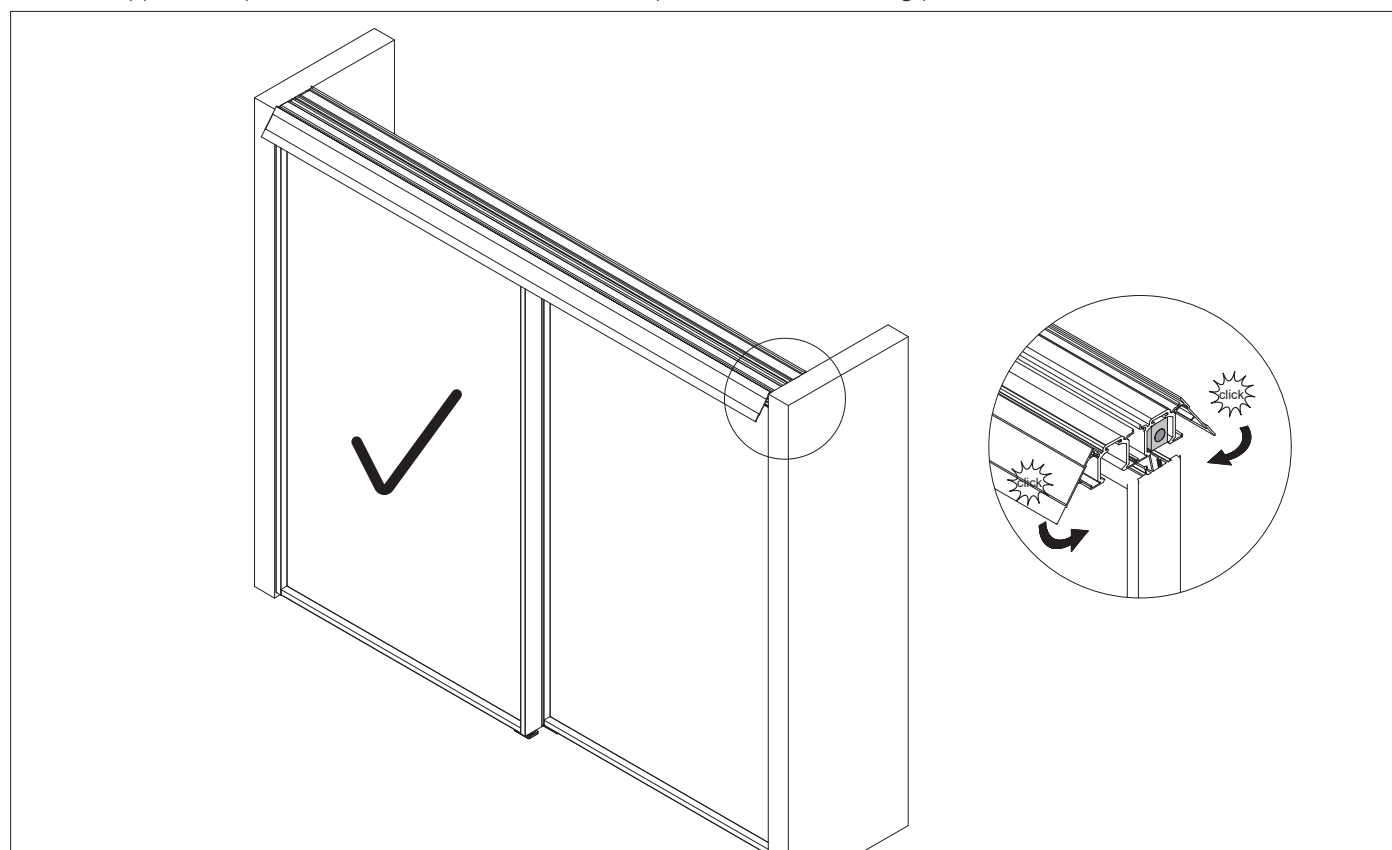
Install front sliding door, then tighten the counternuts at the top pick-up elements

INSTALLATION INSTRUCTION / WITHOUT SDB

STOPPER POSITION



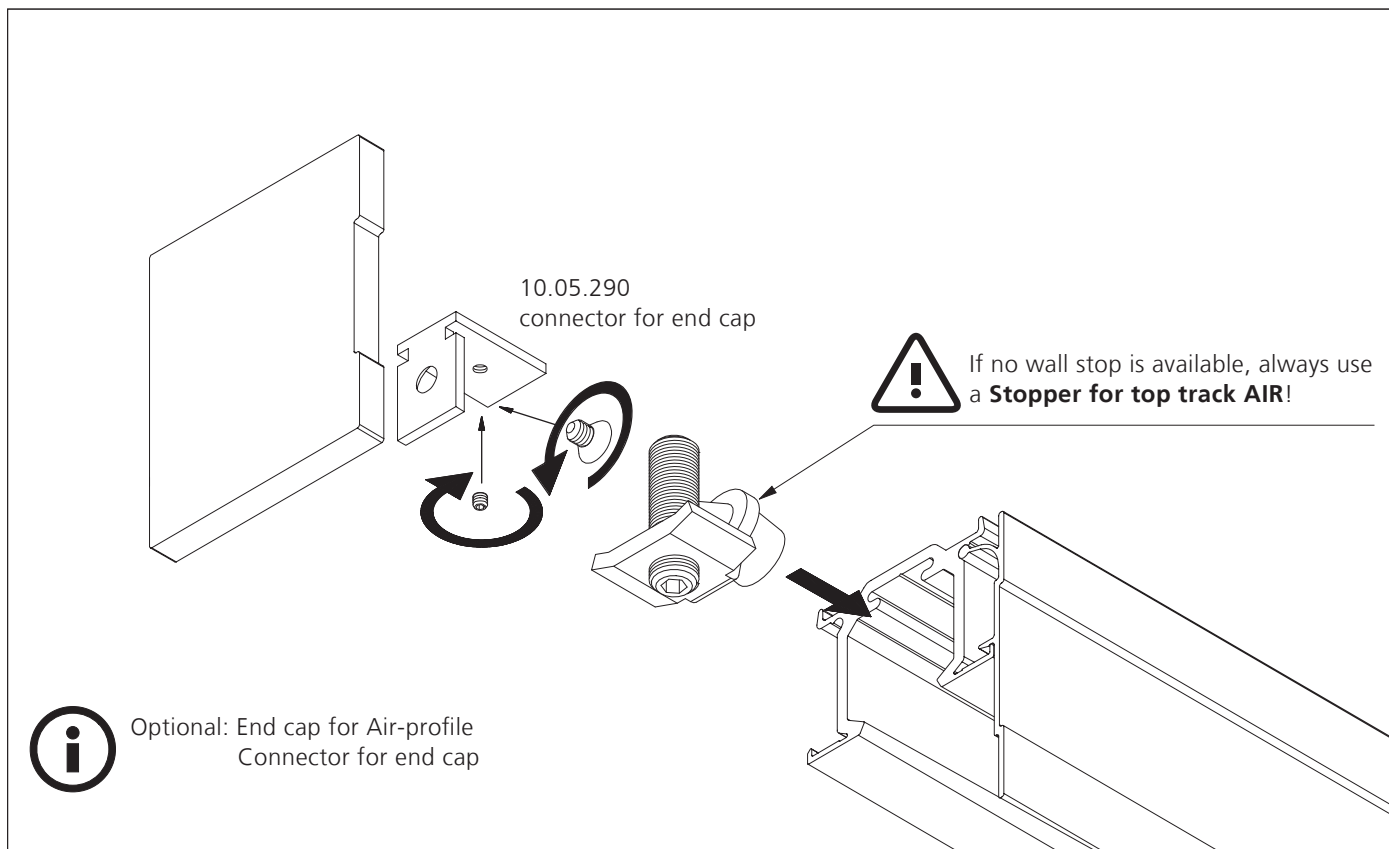
Mount stopper for top roller with door brake AIR in both top track inserts at closing positions



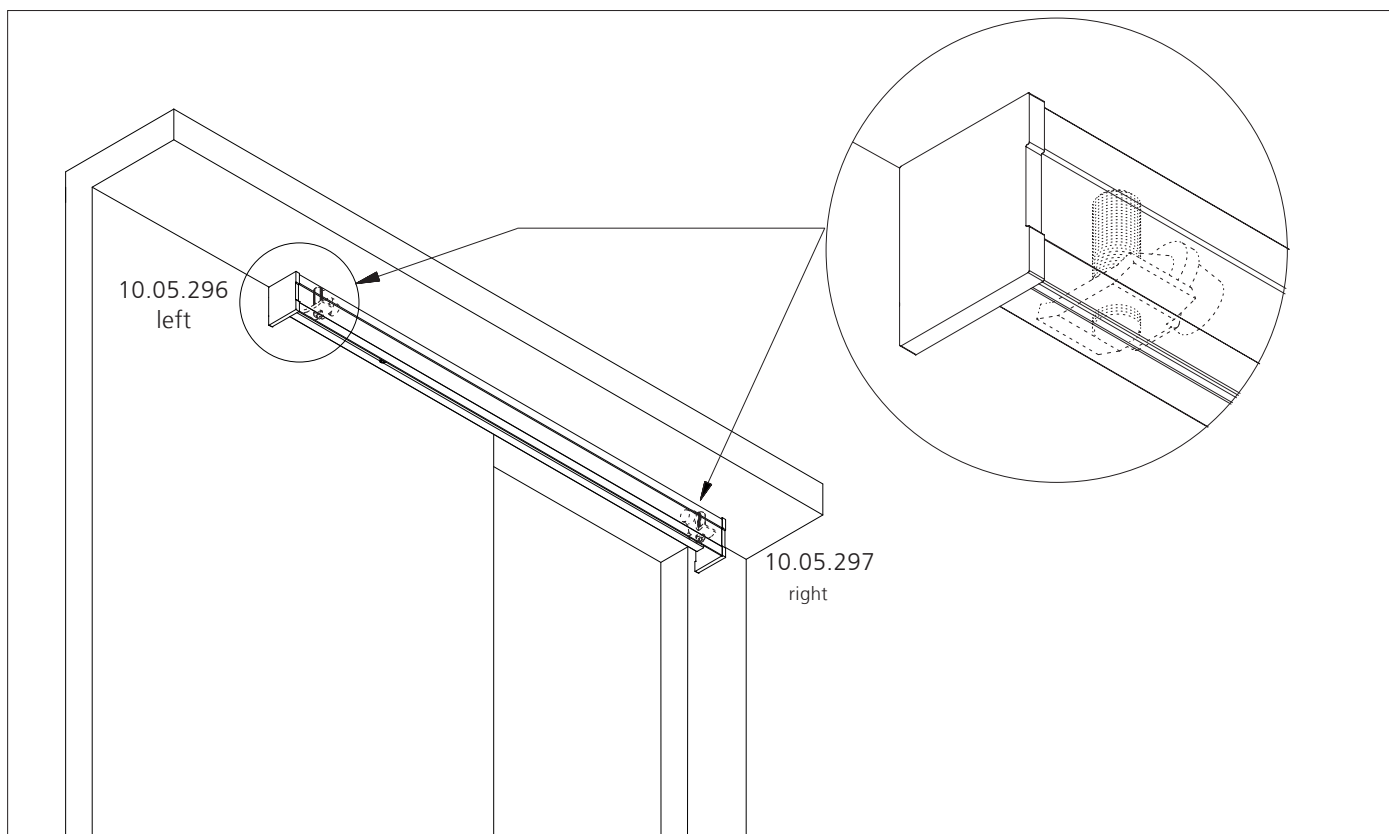
Apply covers for top track insert on front and back

INSTALLATION INSTRUCTION / WITHOUT SDB

ACCESSOIRES TOP TRACK WALL MOUNTED



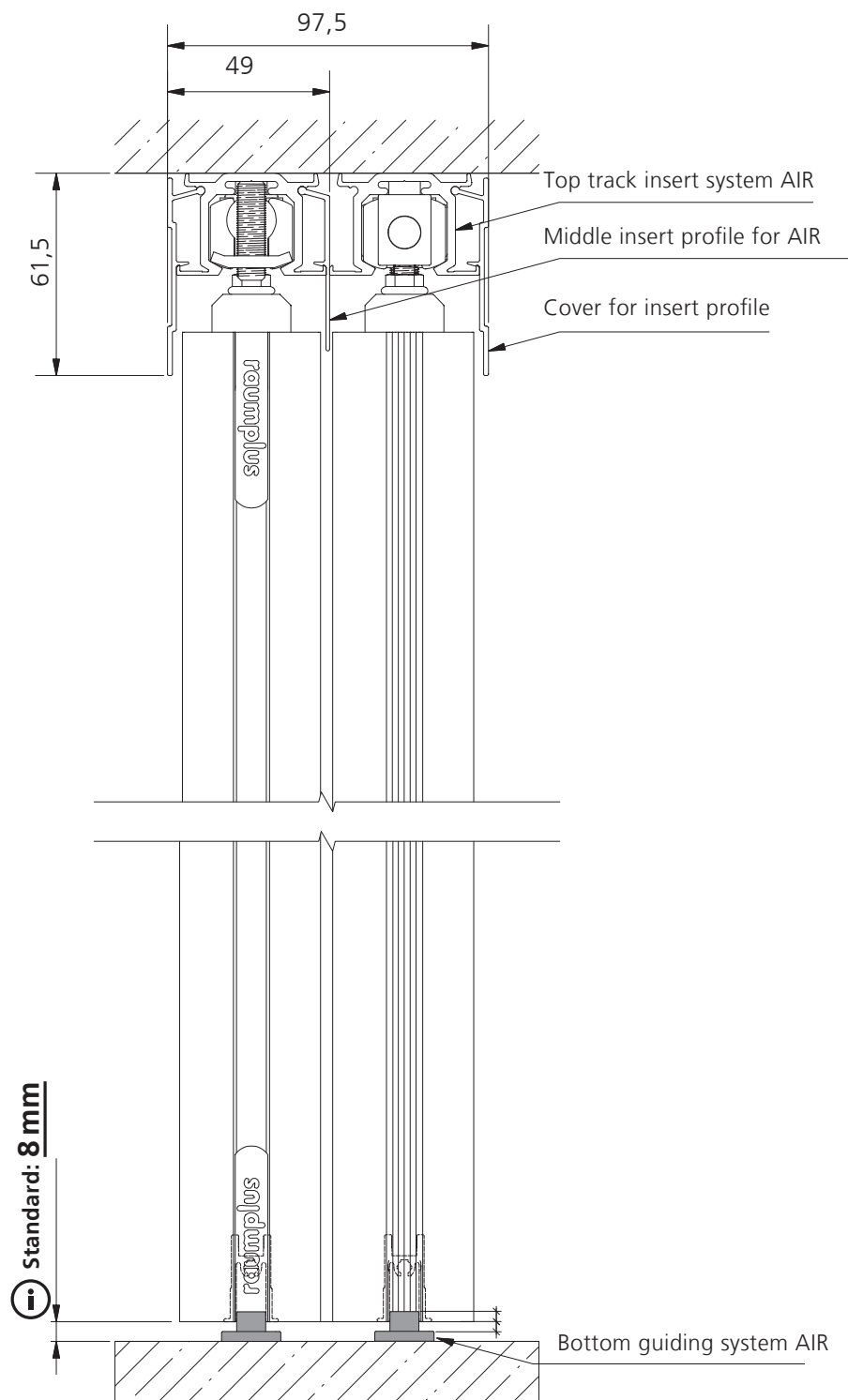
End cap for wall connection profile, left / stopper for top track AIR



End cap / stopper for top track AIR

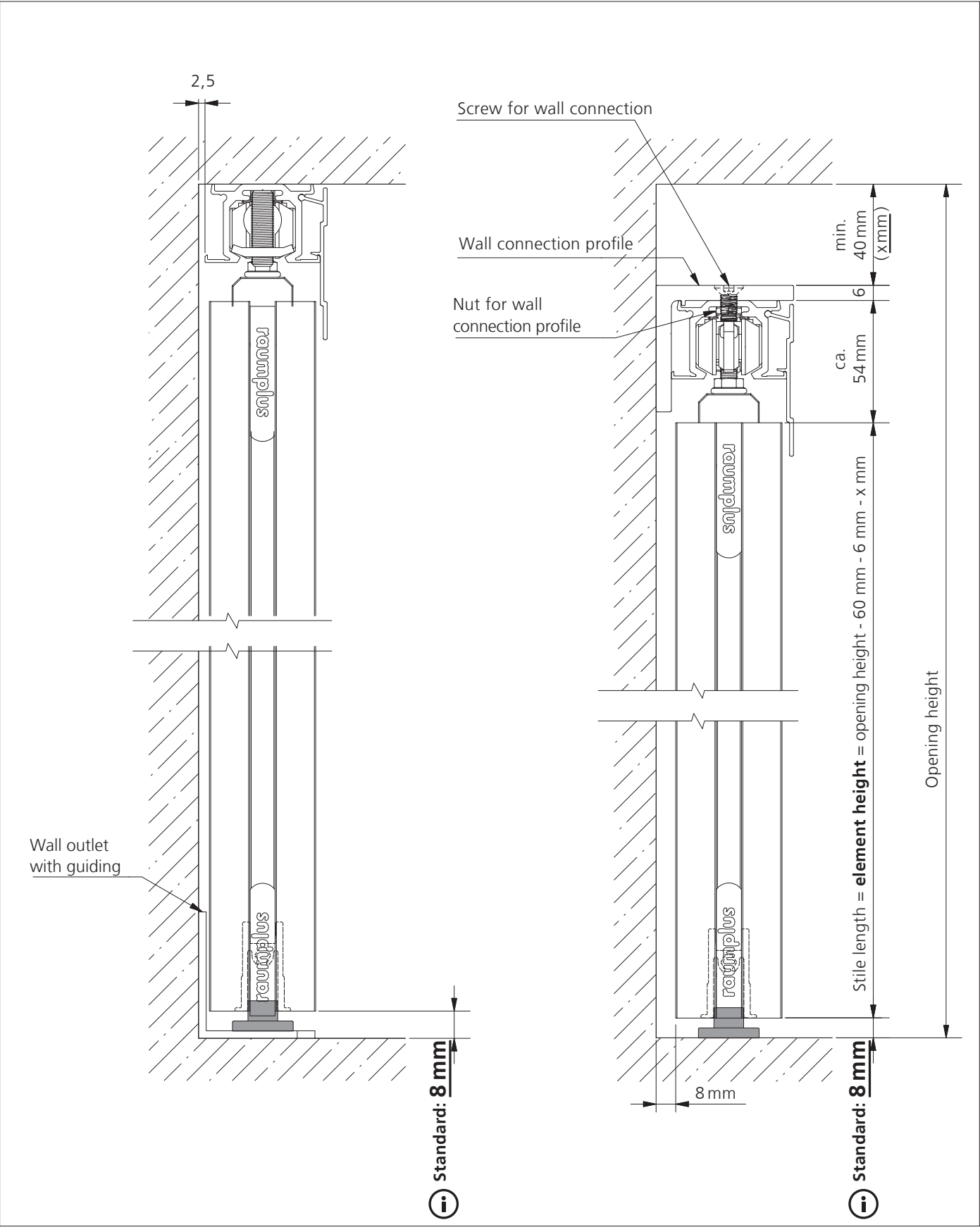
DETAIL DRAWING / WITHOUT SDB

CEILING FASTENING AIR-B



DETAIL DRAWING

WALL FASTENING AIR-B



ADHESION TECHNIQUE

This instruction applies to the glass and aluminum gluing of the S 800 and the wooden material, glass and aluminum gluing of the S 8000

General:

For safety reasons the back of the 4 mm glass panels must be covered with an adhesive safety backing (PE).

Please adhere to manufacturers' processing guidelines and safety regulations.

In order to ensure optimum adhesion you must adhere to the following steps!

The processing temperature must be above 20°C.

1_Clean the adhesive surfaces using **3 m surface cleaner VBH**. Use a lint-free cloth for this purpose.

The surfaces must be free of grease, oil or silicon films and dirt.

2_Following this, wait approx. five minutes until all cleaner residues have evaporated.

3_Apply a thin film of **primer** to the adhesive surfaces (profiles and panels).

4_Following this, wait approx. five minutes until all primer residues have evaporated.

5_Apply the **tape** bubble-free adhesive tape to the profiles.

Following this use the pressure roller to roll it on firmly (approx. 20 N/cm²) and remove the protective film.

6_Apply to the glass panel and press on firmly.

Important: Do not touch surfaces which have been cleaned and primed.

The panels must be adjusted exactly before beginning the adhesion process.

The panel cannot be adjusted after adhesion!

 end adhesive force (100%) at 20°C after 72 h	 adhesive force (50%) at 20°C after 20 min
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7. After adhesion process and pressing of the components, it is advisable to store the element in a lying position until the final adhesive force has been reached.

GLUING:

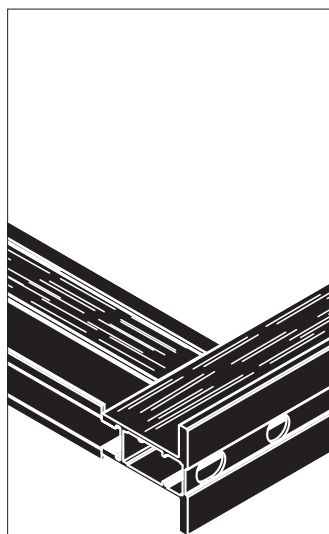
STANDARD		OPTIONAL
tesa®	⇐ System ⇒	3 M™
Cleaner: 3 M - Surface Cleaner VBH (may be taken for all systems)		
Promoter 60150	⇐ adhesive agent ⇒	Primer 94
ACX plus 7044	⇐ adhesive tape ⇒	4613F VHB™

↓
for **S 8000** this
type of gluing is
essential!

We reserve the right to make technical alterations. We recommend one attempt at fixing adhesive products.

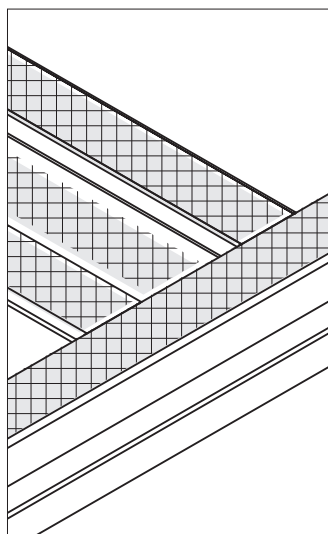
ADHESION TECHNIQUE

Preparation of adhesive surface



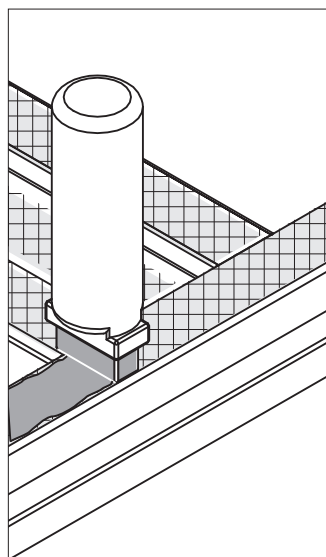
To increase the adhesive force at profiles with the surface: „**black mat**“. It is required to roughen theadherend (surface) with abrasive paper of grain size 100.

only surface: „**black mat**,,



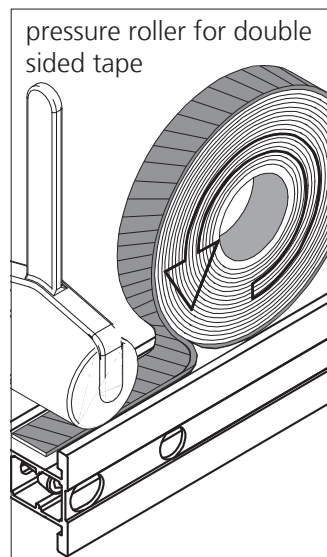
Clean the adhesive surfaces of the profiles and the back of the glass with cleaner. Use lint-free cloths: The surface has to be free of grease, oil or silicone films as well as dirt particles. **Wait approx. five minutes in order to give the solvents time to evaporate.**

cleaner



Apply a thin layer of primer / promoter to the adhesive surfaces. **Wait approx. five minutes in order to give the solvents time to evaporate.**

promoter / primer



pressure roller for double sided tape

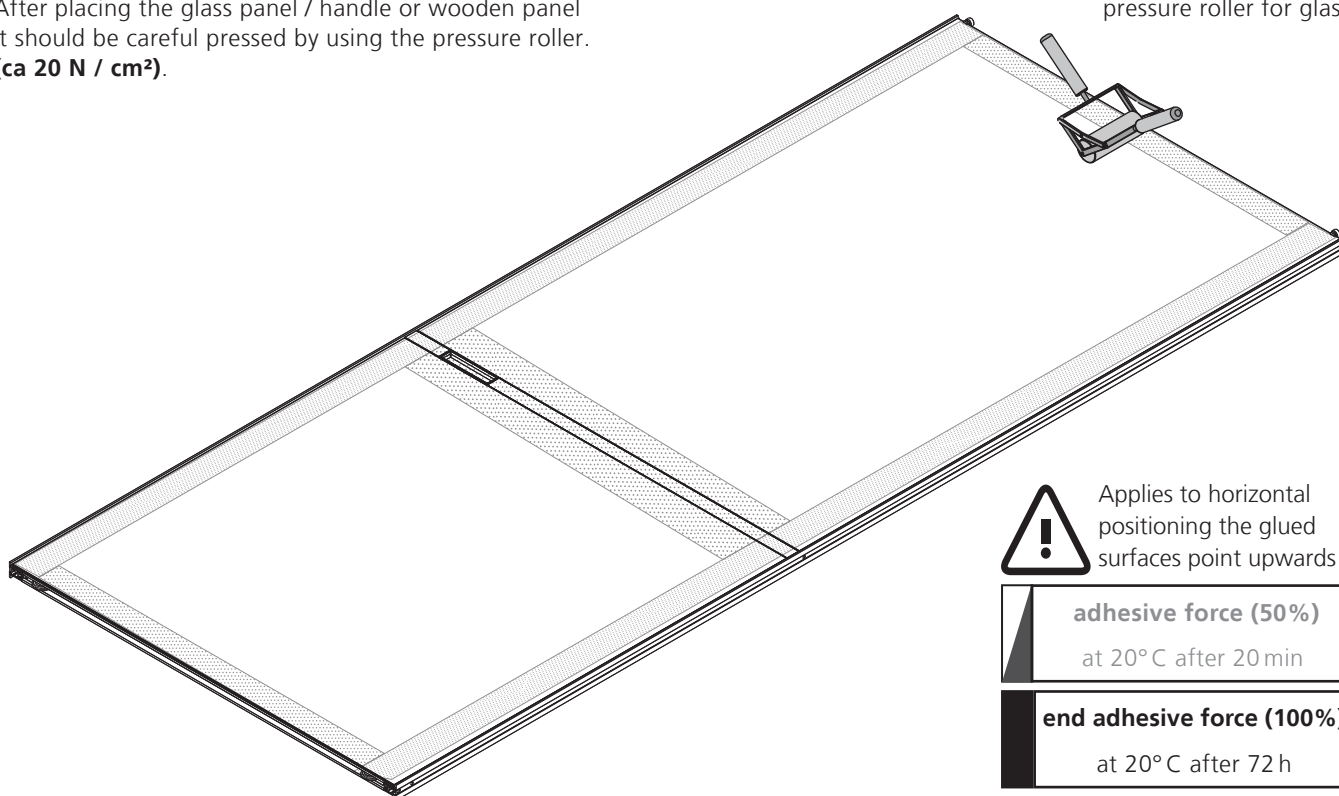
The processing temperature should not be below **20°C** pressure: **ca. 20 N / cm²**



adhesive tape

After placing the glass panel / handle or wooden panel it should be careful pressed by using the pressure roller. (**ca 20 N / cm²**).

pressure roller for glass



Applies to horizontal positioning the glued surfaces point upwards

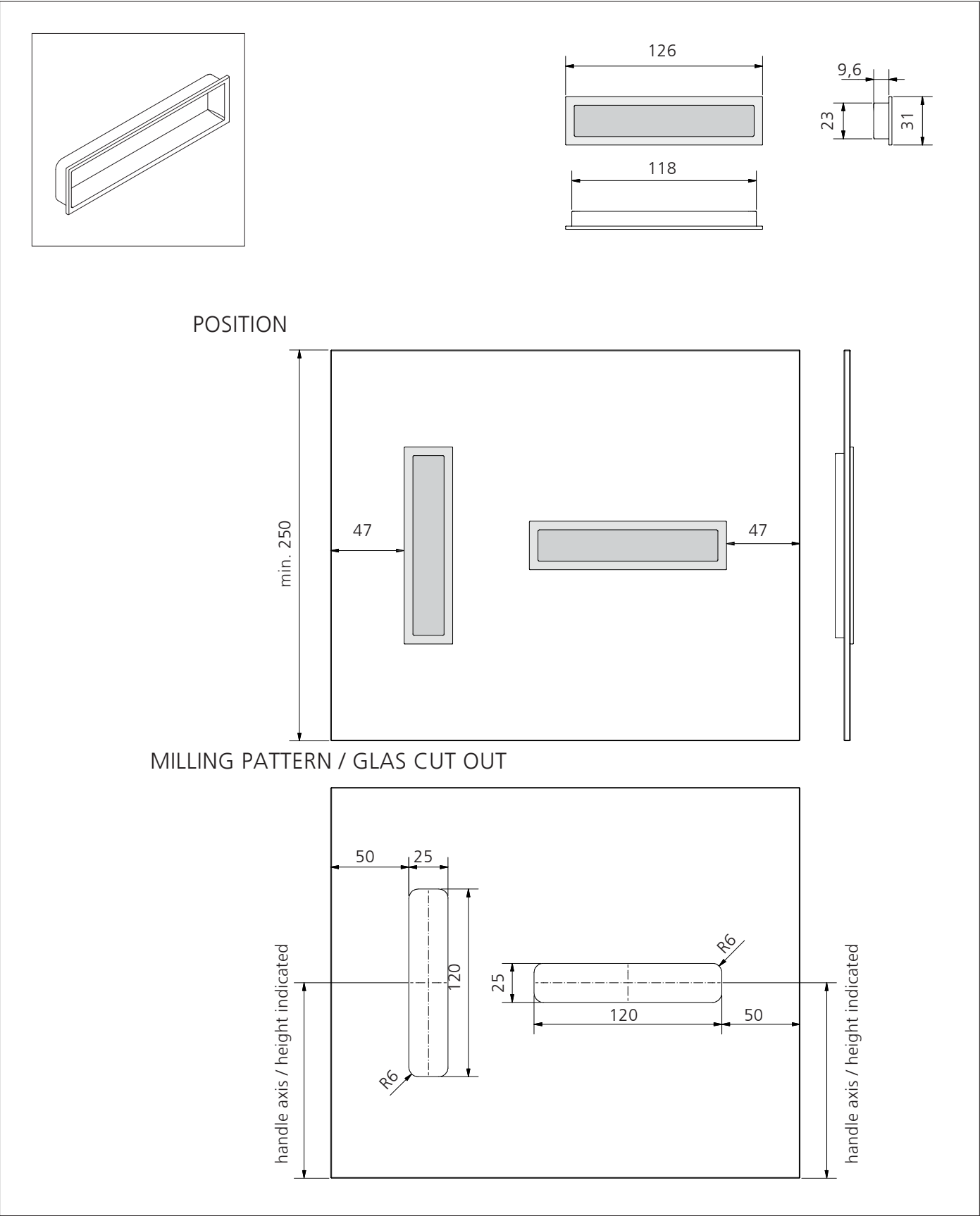
adhesive force (50%)
at 20° C after 20 min

end adhesive force (100%)
at 20° C after 72 h

pressing the joining parts

DETAIL DRAWING

POSITION & MILLING PATTERN / HANDLE INSERT S800/S8000/AIR (10.01.29X)



1_ Bonding with: „SIKAFLEX “ construction adhesive.

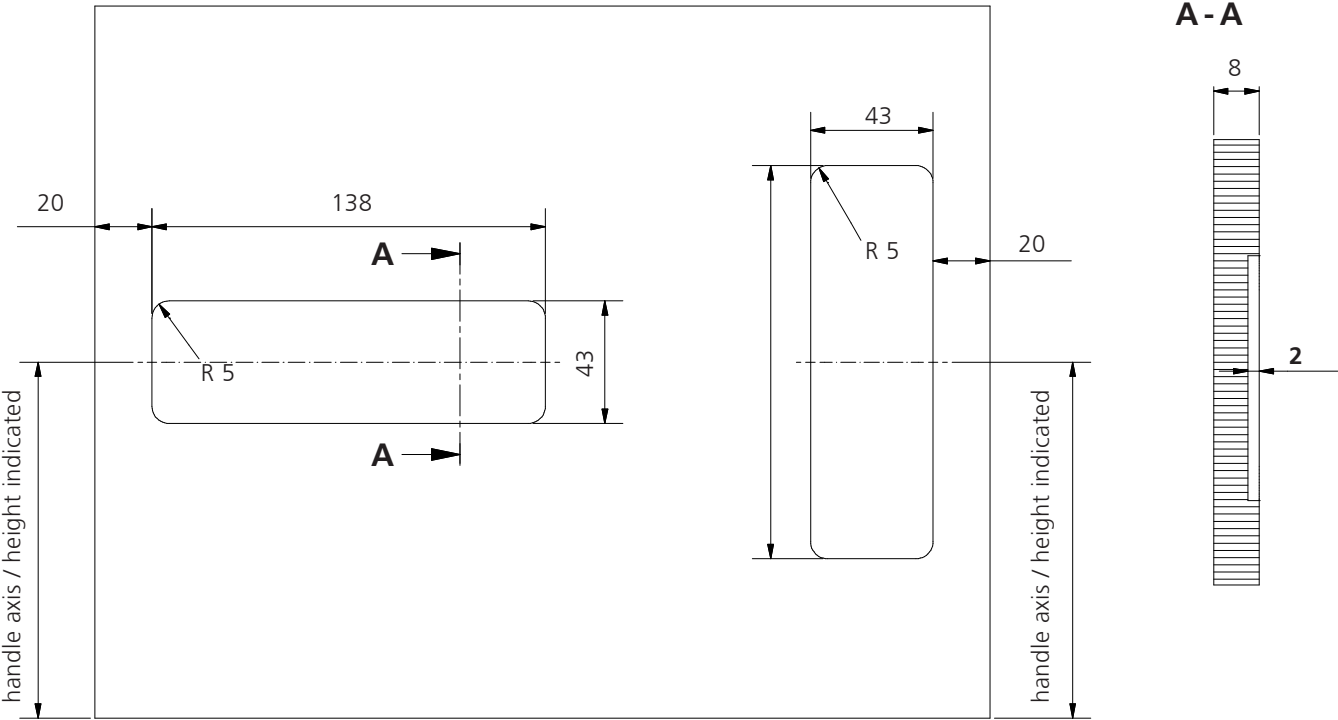
DETAIL DRAWING

POSITION & MILLING PATTERN/STABILISATION PANEL/ HANDLE INSERT S800/S8000/AIR (10.01.29X)



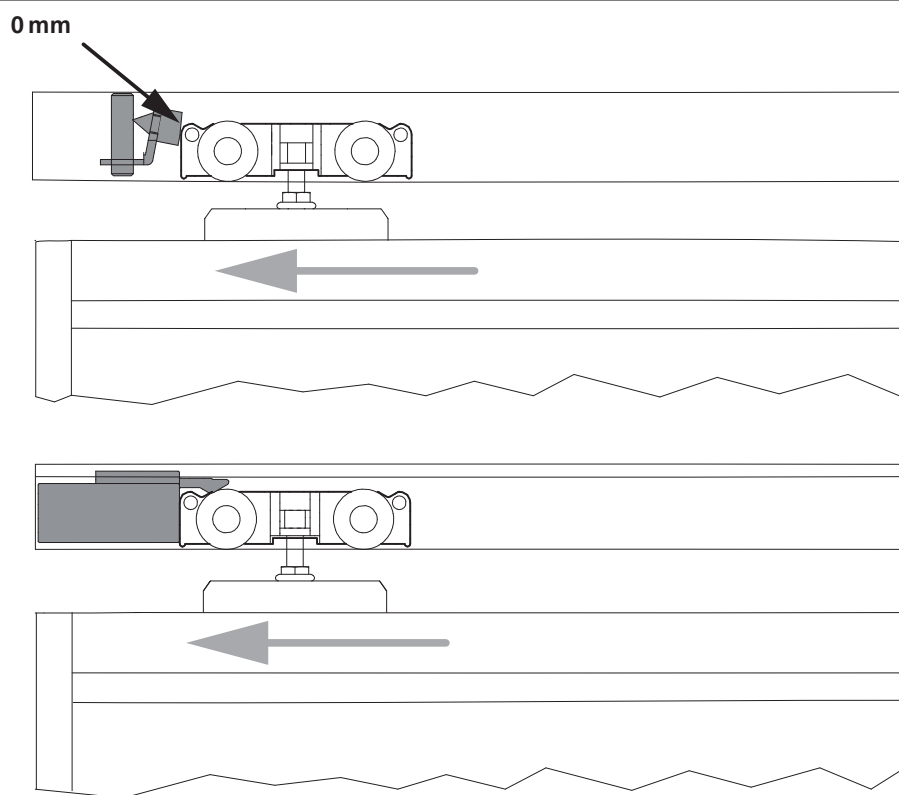
This illustration refers to simply glass filling of the door.

For this application, the stabilization filling must be milled out!

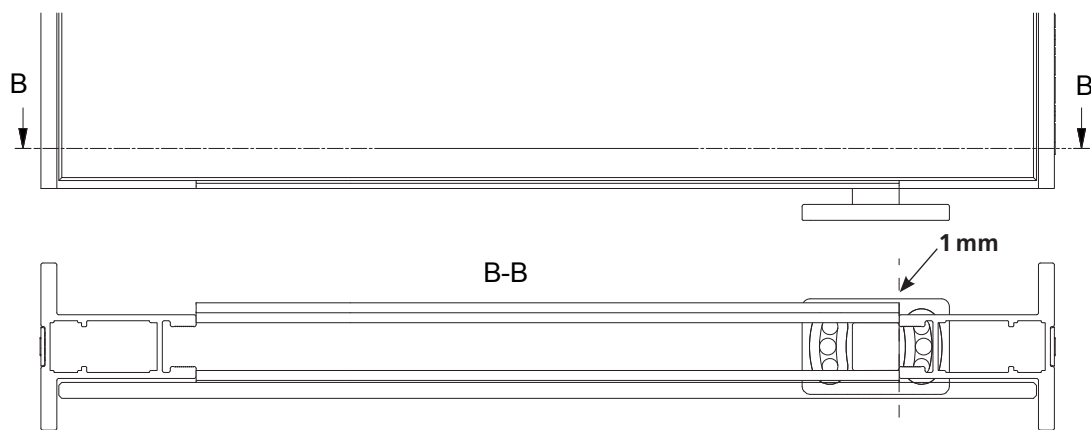


DETAIL DRAWING

STOPPER FOR TOP ROLLER



i The door has to be pressed on the stoppoint at the installation.



Attention! Risk of damage!

The stopper for top roller inside the top rail are meant to be stoppoint for the door.
The bottom guiding are not meant to be the stoppoint for the door and always requires some space to the stile to prevent the bottom guiding from being damaged.