



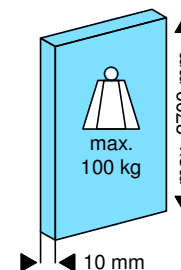
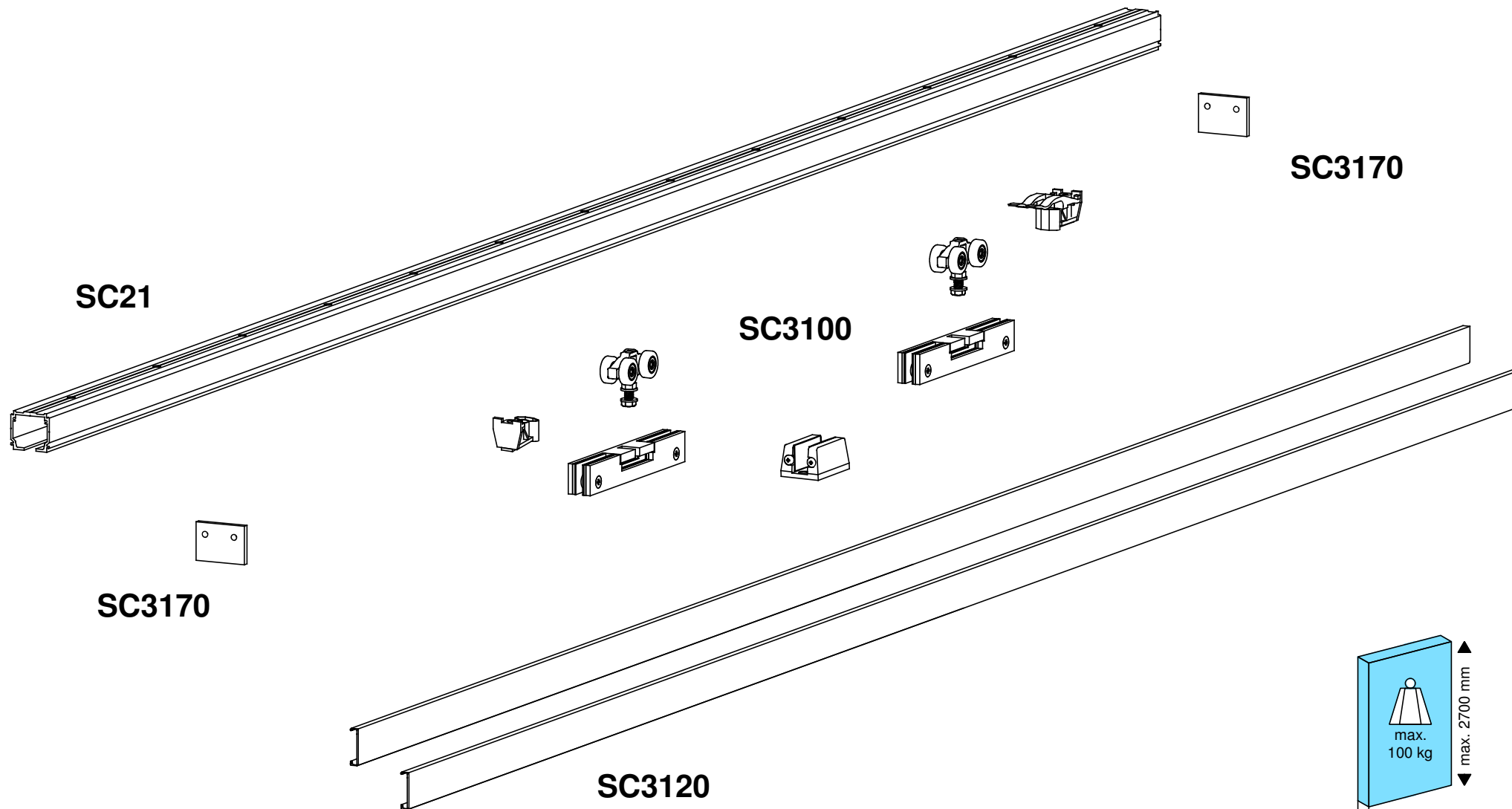
## INSTALLATION INSTRUCTIONS

# SERIES SC

**Mod. SC21 CEILING-MOUNTED**  
Ceiling-mounted  
sliding system  
with low clamp  
finishing cover

**SCRIGNO**®

composition of kit



## important information

#### Information on products for sliding door systems:

In compliance with the liability of the manufacturer for its products, as defined in the “Law on liability for defective products”, the following requirements for sliding door systems must be respected. Failure by third parties to respect these requirements exonerates the manufacturer from all obligations of liability.

#### Product information and intended use:

Pursuant to this definition, “hardware for sliding doors” is taken to mean hardware for sliding doors and similar sliding elements, hereinafter “objects”, which are normally not moved more rapidly than human walking speed. Sliding software is used on doors installed vertically and made from glass, plastic, wood, aluminium or steel, and in the corresponding combinations of these materials. For damp locations, directly exposed to adverse weather condition, crosswinds, near the sea or for use in harsh and corrosive environments, special versions of the products must be manufactured. In particular, compliant use implies assembly and installation in a correct workmanlike manner. The hardware must be sufficiently stable in all these points. The operation of hardware must not be impaired or modified after assembly. End stops or other suitable accessories must be used to limit door movements.

#### Incorrect use:

Incorrect or non-conforming use of the sliding hardware product occurs in particular if:

- the hardware is used with an ultimate tensile stress greater than the maximum load-bearing capacity indicated in the catalogue and demonstrated in other product documentation;
- the product has been incorrectly assembled or insufficiently secured, or in case of excessively high or low ambient temperatures;
- the product is exposed to particularly harsh agents;
- the product is subjected to excessive and inappropriate stresses due to impacts or falling;
- the position of the sliding track is insufficiently horizontal;
- foreign bodies are able to penetrate the sliding track;
- support rollers are used at excessive speed, and if modifications are made that have not been agreed with the manufacturer;
- obstacles are introduced into the door opening area or between the door and the object such as to prevent correct use;
- additional loads are applied to the doors or object;
- during normal closure or closure by pushing, persons are caught up between the door or the fixture, or if during closure by pushing a person or body parts of a person are present in this area.

#### Product performance:

If the performance of the product is not expressly declared in our catalogues, brochures, performance descriptions and other product instructions, all specific requirements with regard to our hardware must be agreed with our company. Our instructions on hardware composition are binding.

#### Product care and maintenance:

Hardware components that are significant for the purposes of safety must be inspected regularly to ensure their correct positioning and to check for possible signs of wear. According to requirements, tighten or replace locking screws. In addition, the following care and maintenance procedures must be carried out at least once a year:

- check for the correct operation of all moving parts;
- use only cleaning products that do not impair the protection of the hardware against corrosion;
- replace any defective hardware components;
- hardware adjustment and replacement operations must be carried out by a specialized company.

#### Obligations of information and instructions:

To satisfy the obligations of information and instructions, the following instruments are at the disposal of architects, designers, specialized dealers, installation personnel, customers and users:

- catalogues and brochures;
- instructions for fixing and assembly, and assembly drawings;
- for correct use, operation is guaranteed by hardware care and maintenance;
- architects and designers are required to request and respect the necessary product information;
- specialist dealers are required to respect the product information and other indications given in price lists, and in particular to request all necessary instructions and to make them known to installation personnel;
- all installation personnel must respect all product information and to make it known to customers and users.

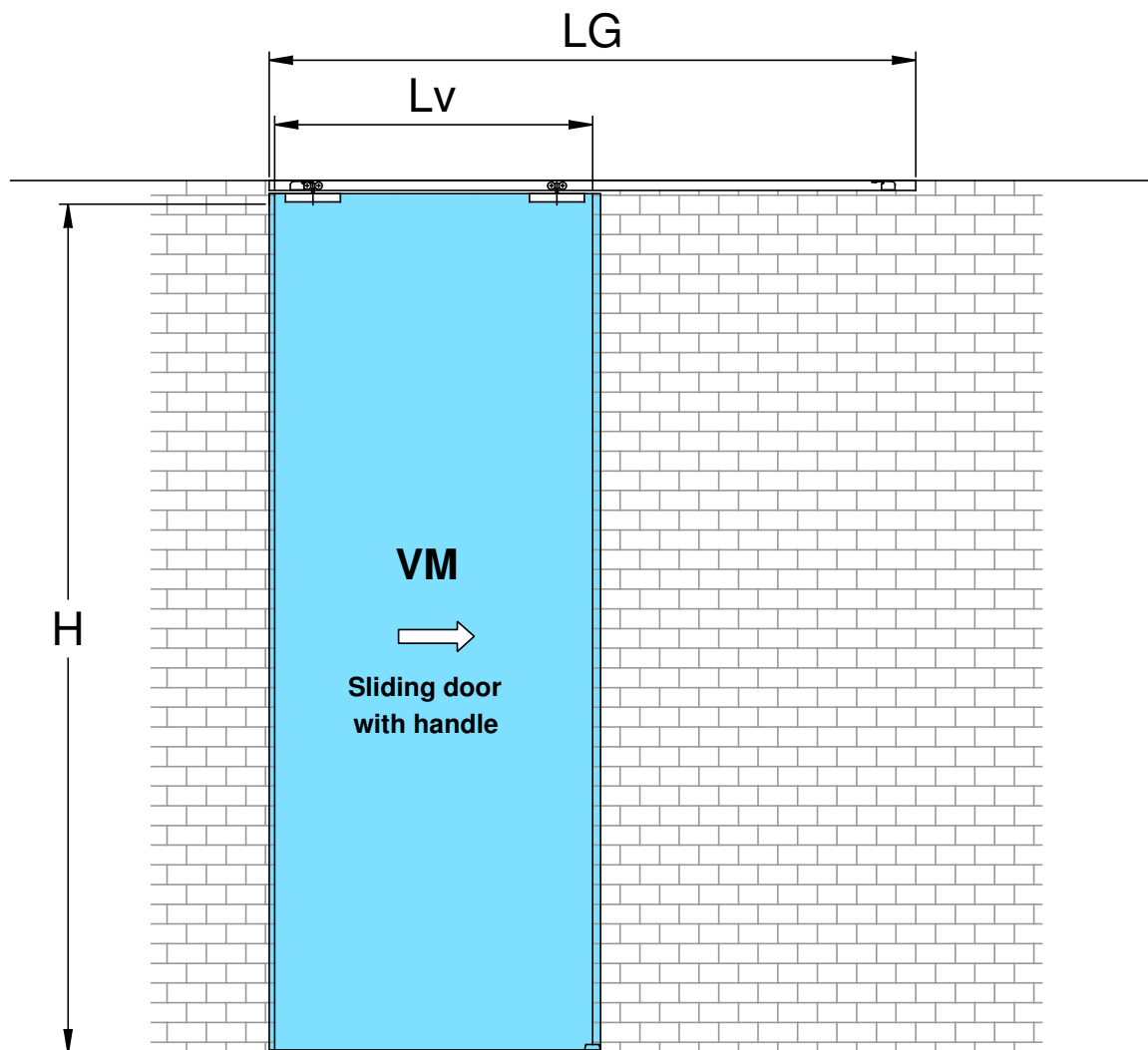
#### Danger of injuries!

The glass doors may be very heavy, and incorrect installation may cause serious injuries.

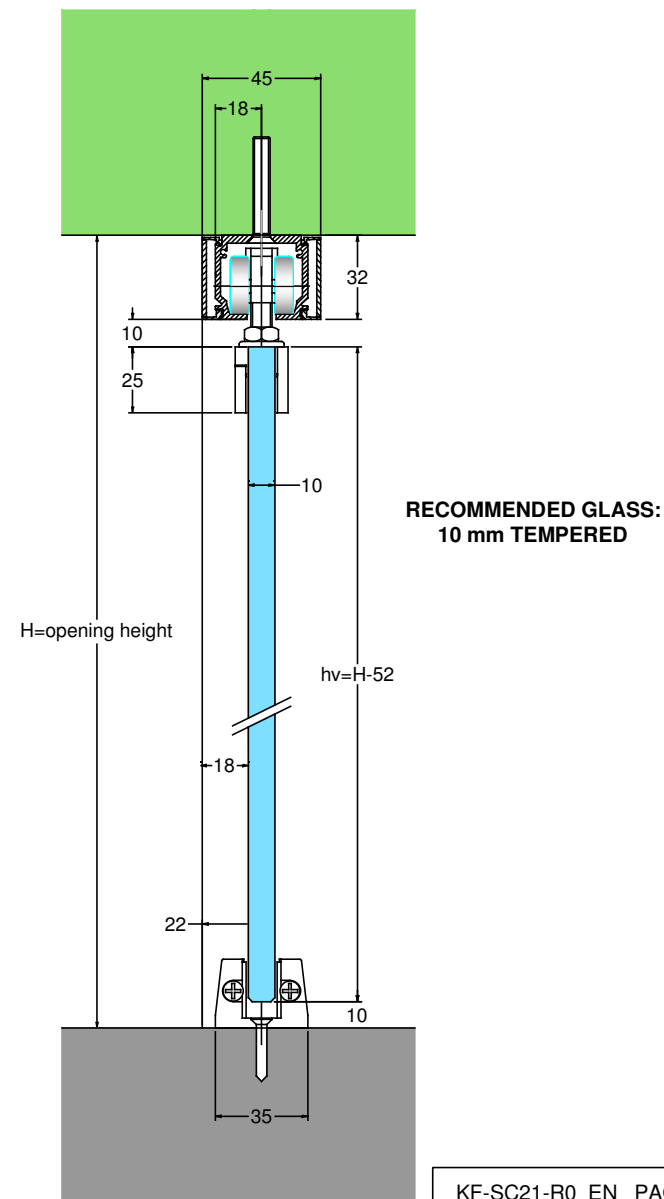
- Scrupulously follow the sequence described in these installation instructions;
- Dedicate particular attention to all indications provided by the manufacturer;
- After installation, check that there is no interference between the glass doors and the walls of the opening in both the open and closed positions.

DIAGRAM OF WALL OPENING AND CROSS-SECTION

principles of planning

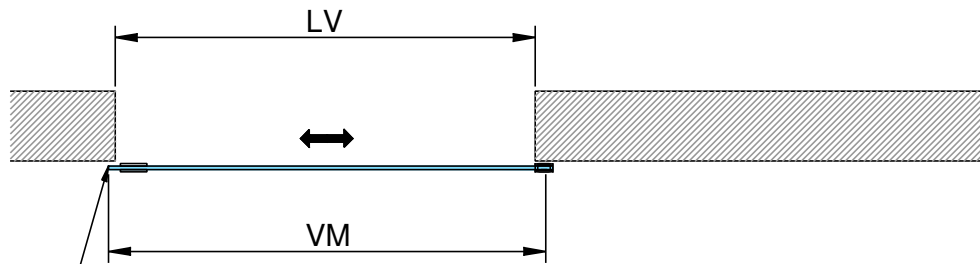


LG = Track length    H = Opening height    Lv = Opening width



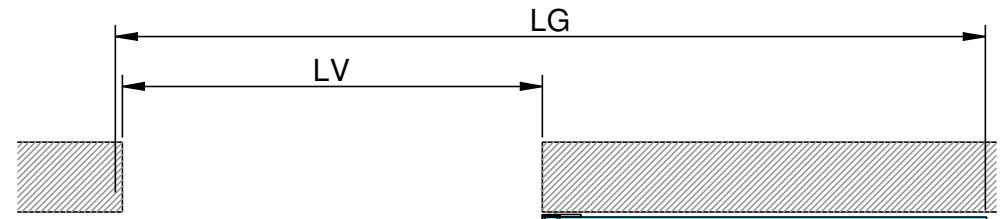
#### OPENING DIAGRAMS

#### principles of planning



Overlap on handle side  
S = 20 mm recommended

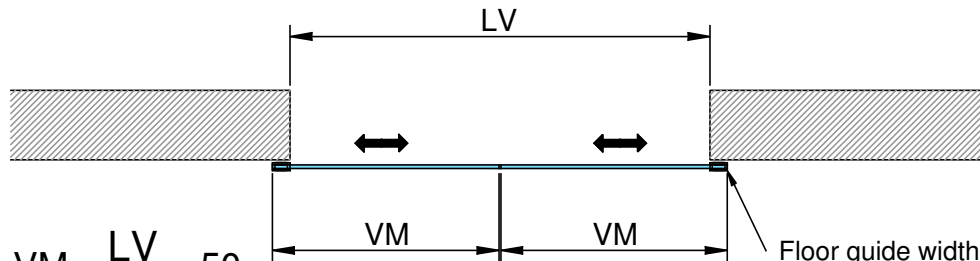
$$VM = LV + 50 + S$$



$$LG = 2(LV + S) + 50$$

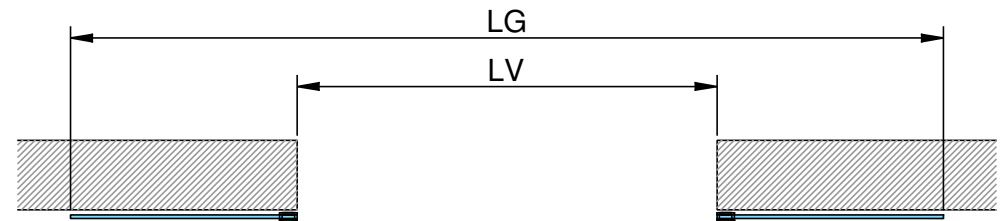
$$LV = \frac{LG - 50}{2} - S$$

Floor guide width 50 mm to be positioned flush with the door



$$VM = \frac{LV}{2} + 50$$

Floor guide width 50 mm to be positioned flush with the door



$$LG = 2LV + 100$$

$$LA = LV = (LG - 100) / 2$$

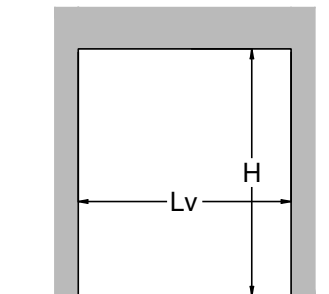
Floor guide width 50 mm to be positioned flush with the door

VM = Glass door with handle

LG = Track length

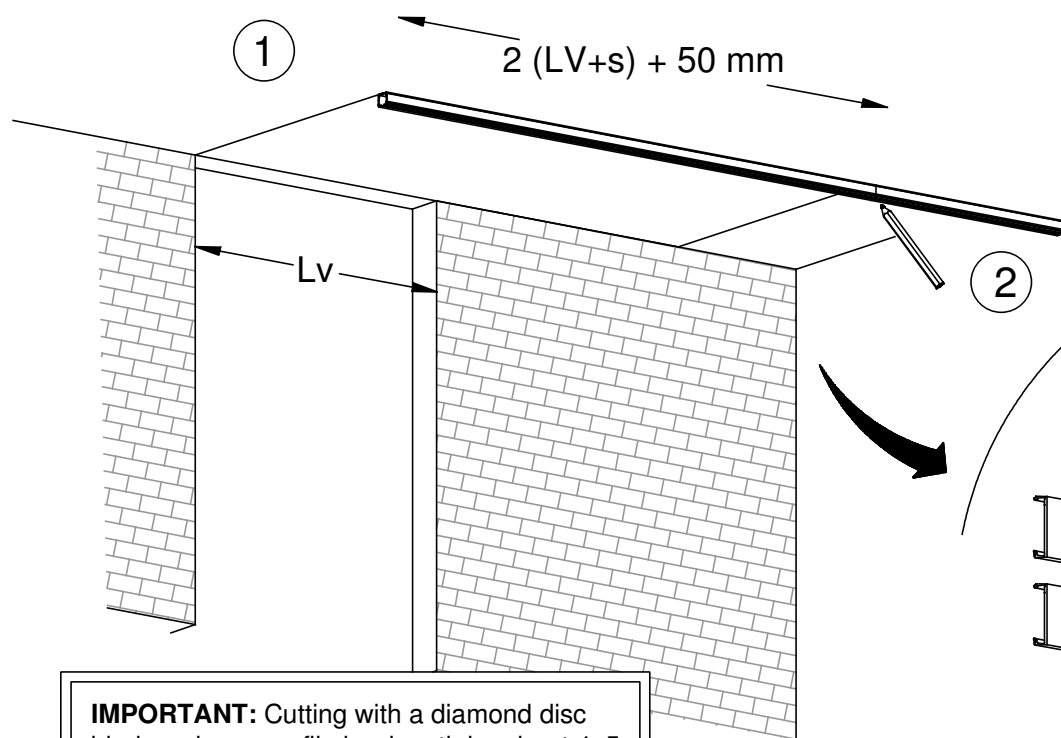
LV = Opening width

S = Overlap on handle side

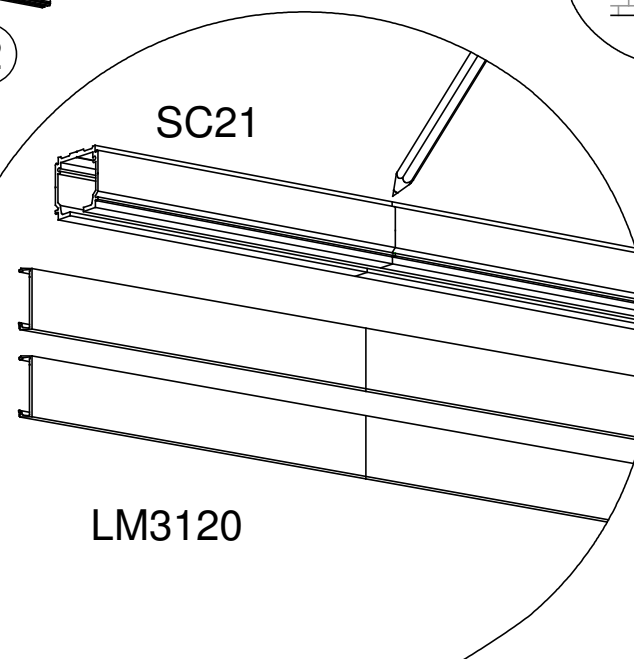
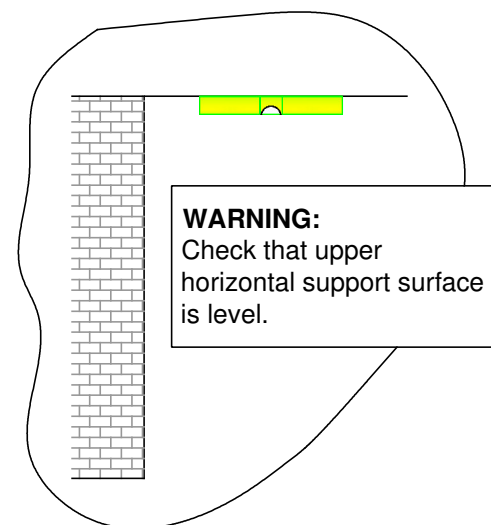


#### preparation and cutting of components

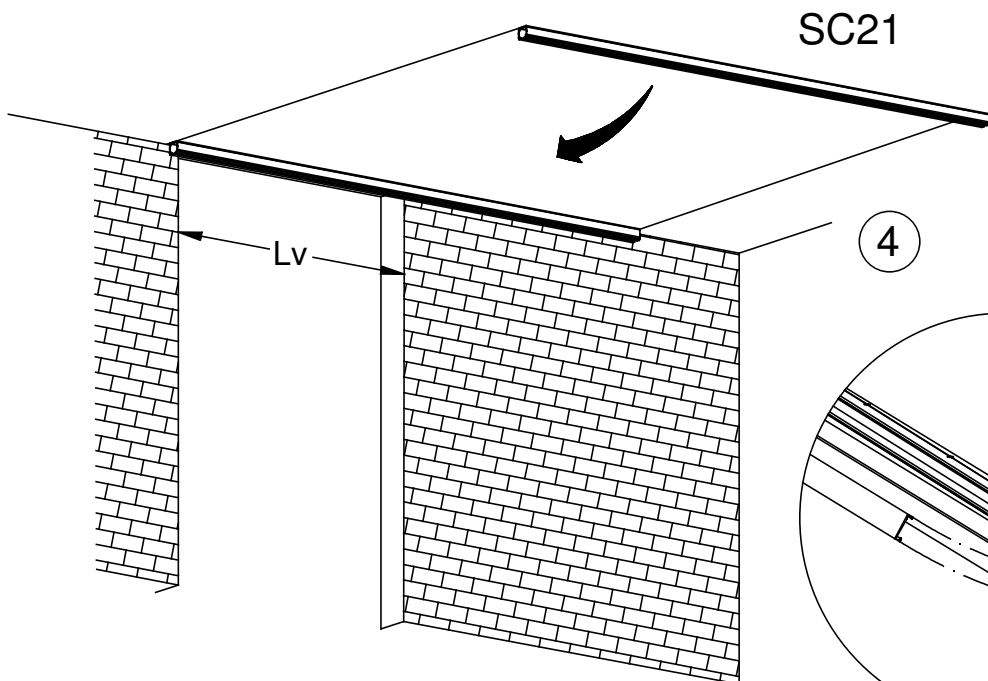
1. Measure the width  $L_v$  of the wall opening.
2. Mark profile bars SC21 and SC3120 for cutting to size at the distance of  $2(L_v+s) + 50$  mm.
3. Cut the profile bars to size using specific cutting tools and suitable personal protective equipment. Take care to avoid bending the profile bars during cutting operations.



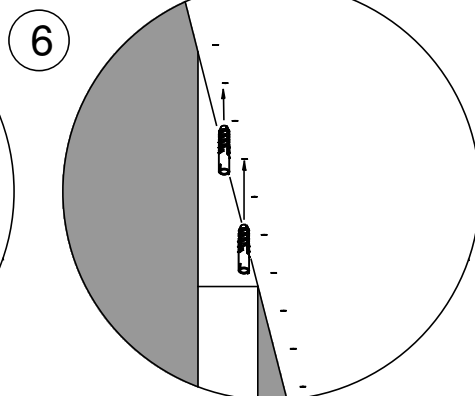
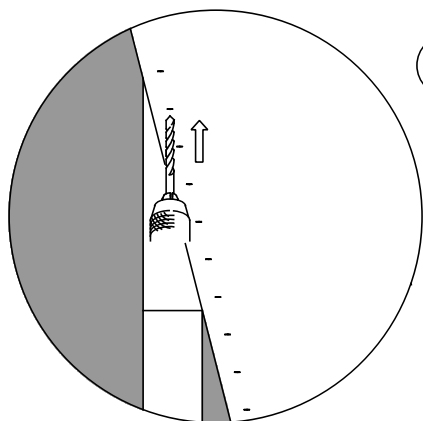
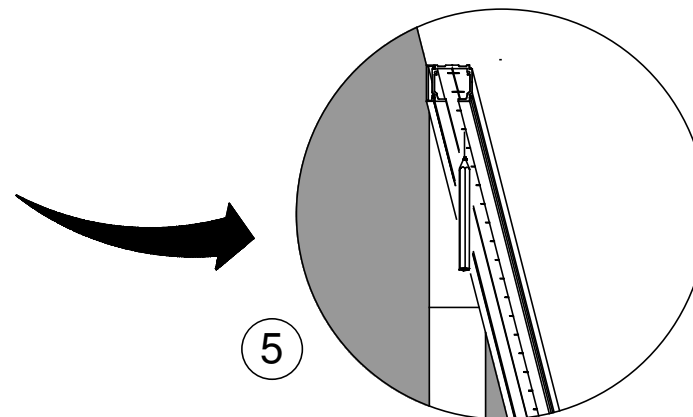
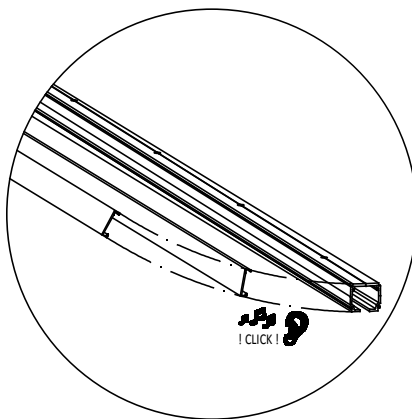
**IMPORTANT:** Cutting with a diamond disc blade reduces profile bar length by about 4–5 mm due to the thickness of the blade itself. This must be taken into consideration when making measurements.



#### drilling of support surface



4. Fit the SC3120 cover onto the wall side of the SC21 profile bar and then place the profile bar against the ceiling, keeping it pressed firmly against the fixing surface (masonry or other materials).
5. Mark the support surface through the holes in the profile bar to indicate the position of the holes to be drilled.
6. Drill the support surface and insert the fixing accessories (expansion plugs or other fixings depending on the type of support surface).

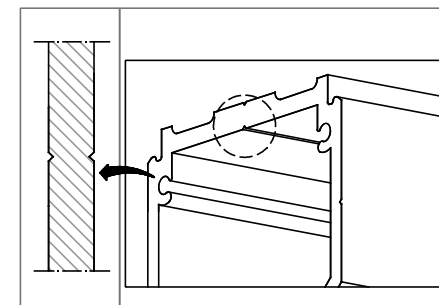


#### WARNING!

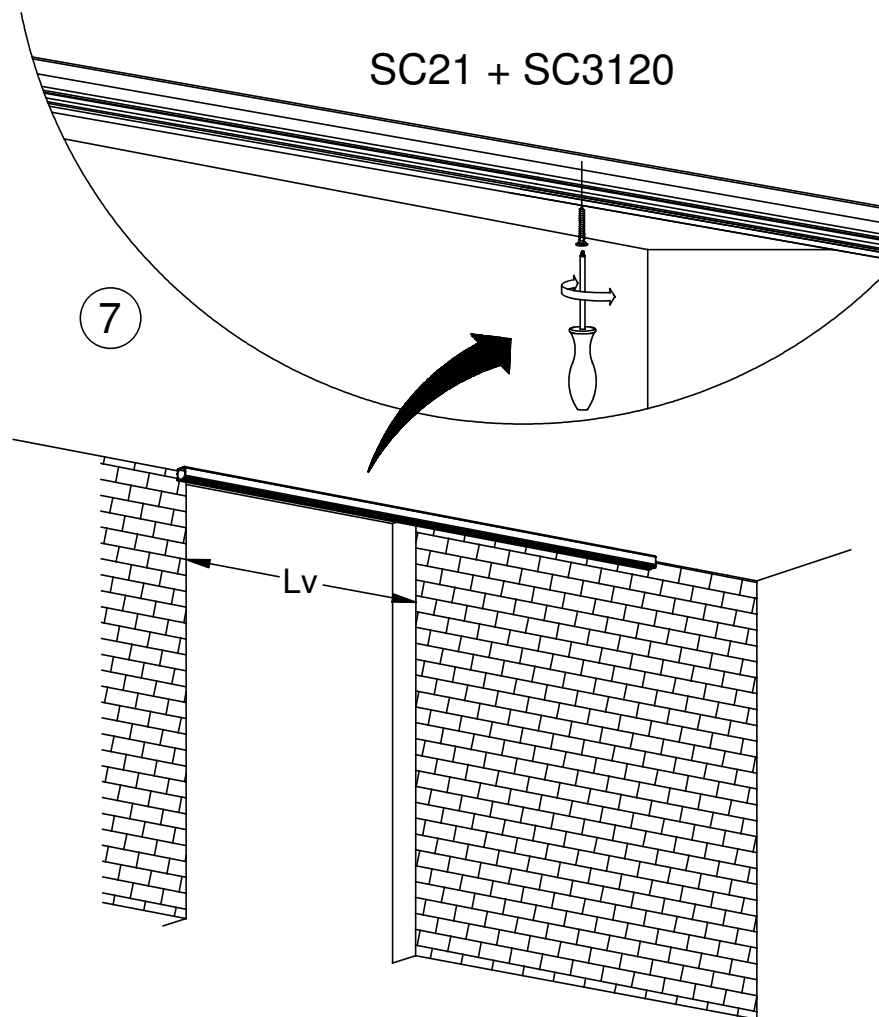
The expansion plugs shown in the diagram are only one of the possible fixing methods. The installer must use the most appropriate fixing accessories for the material from which the support surface is made.

#### N.B:

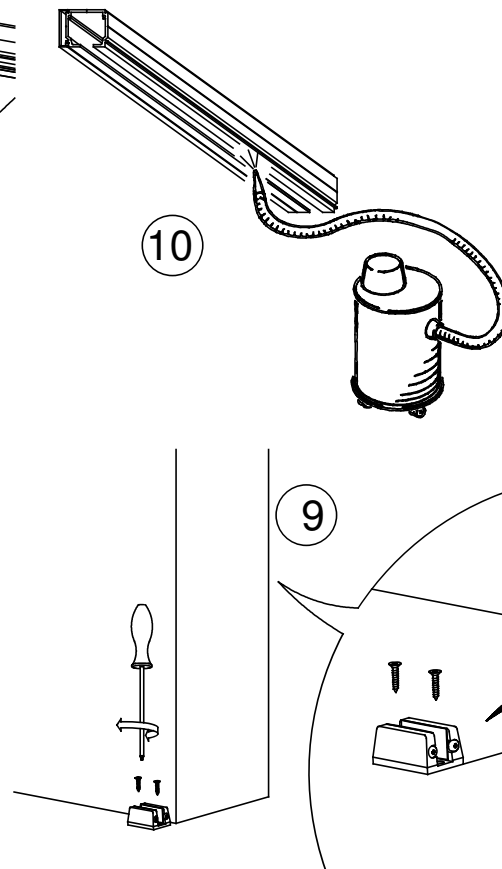
If necessary, drill additional holes in the profile bar using the groove provided as a guide (e.g. weight limit!!)



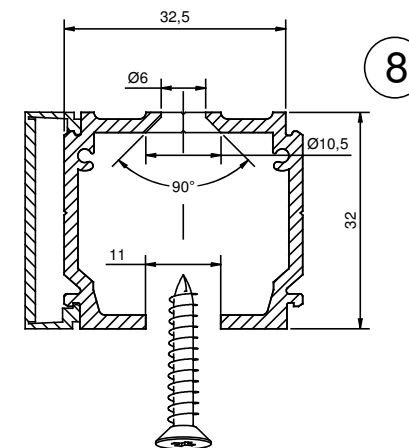
7. Fix the SC21+SC3120 profile bar to the ceiling using suitable fixing accessories.
8. Check that the screws are correctly tightened to ensure that their heads do not project, which would prevent smooth sliding of the runners.



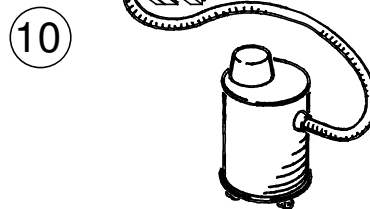
9. Fix the floor guide at a distance of 23 mm from the line between the fixing hole centres and the wall. Align the short side flush with the inner side of the wall opening.



### installation of track and floor guide

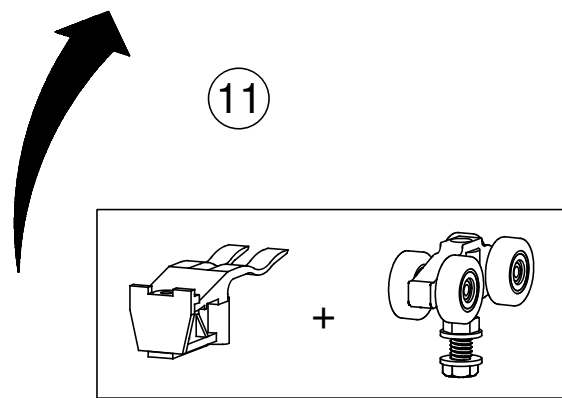
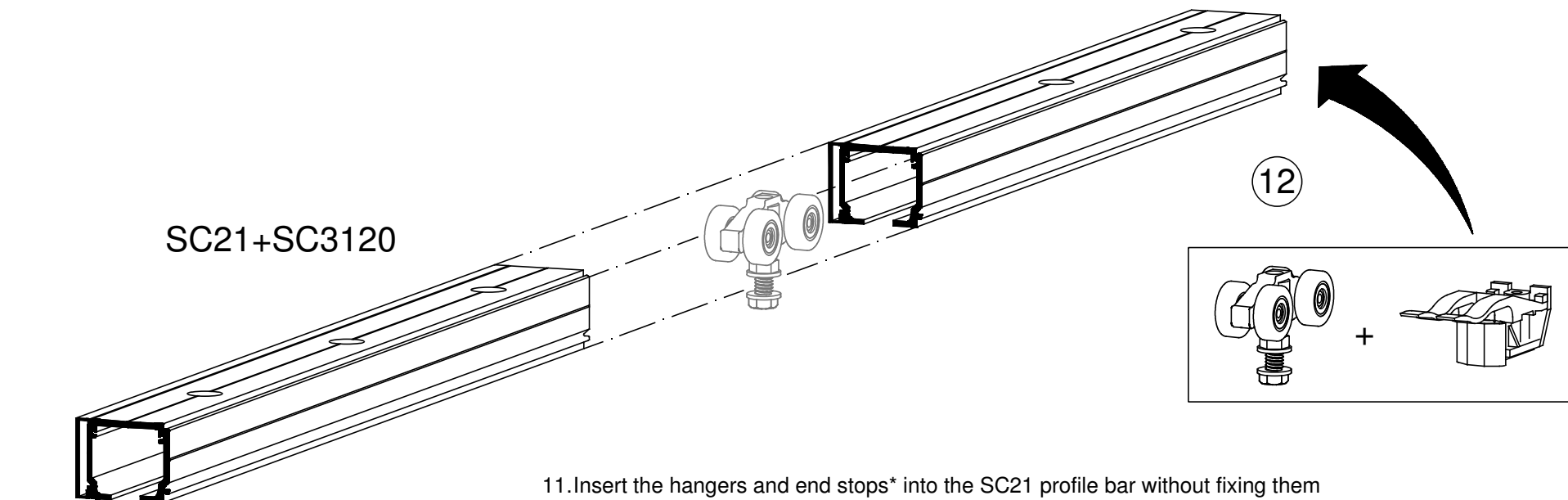


10. After fixing, clean the inside of the SC21 track using a pressurized air jet or a vacuum cleaner. Remove all residues of dust and dirt from the track.



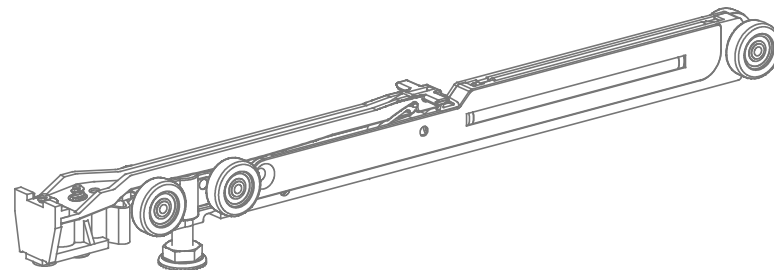


#### assembly of hangers and end stops



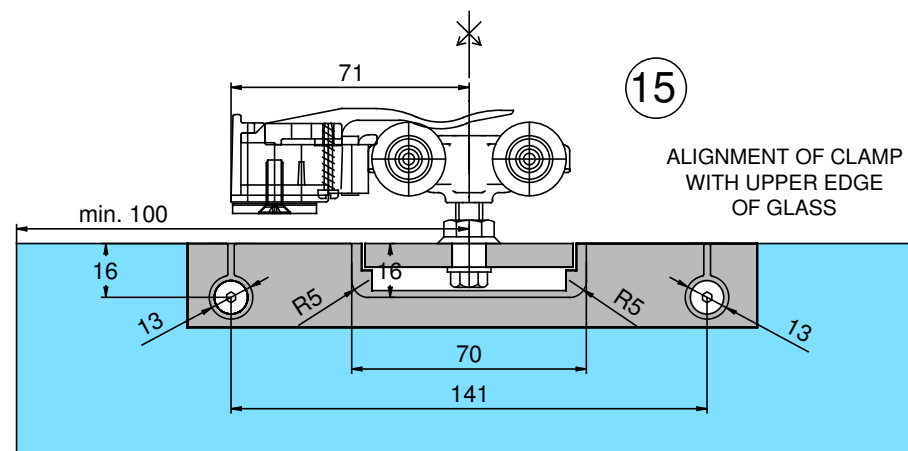
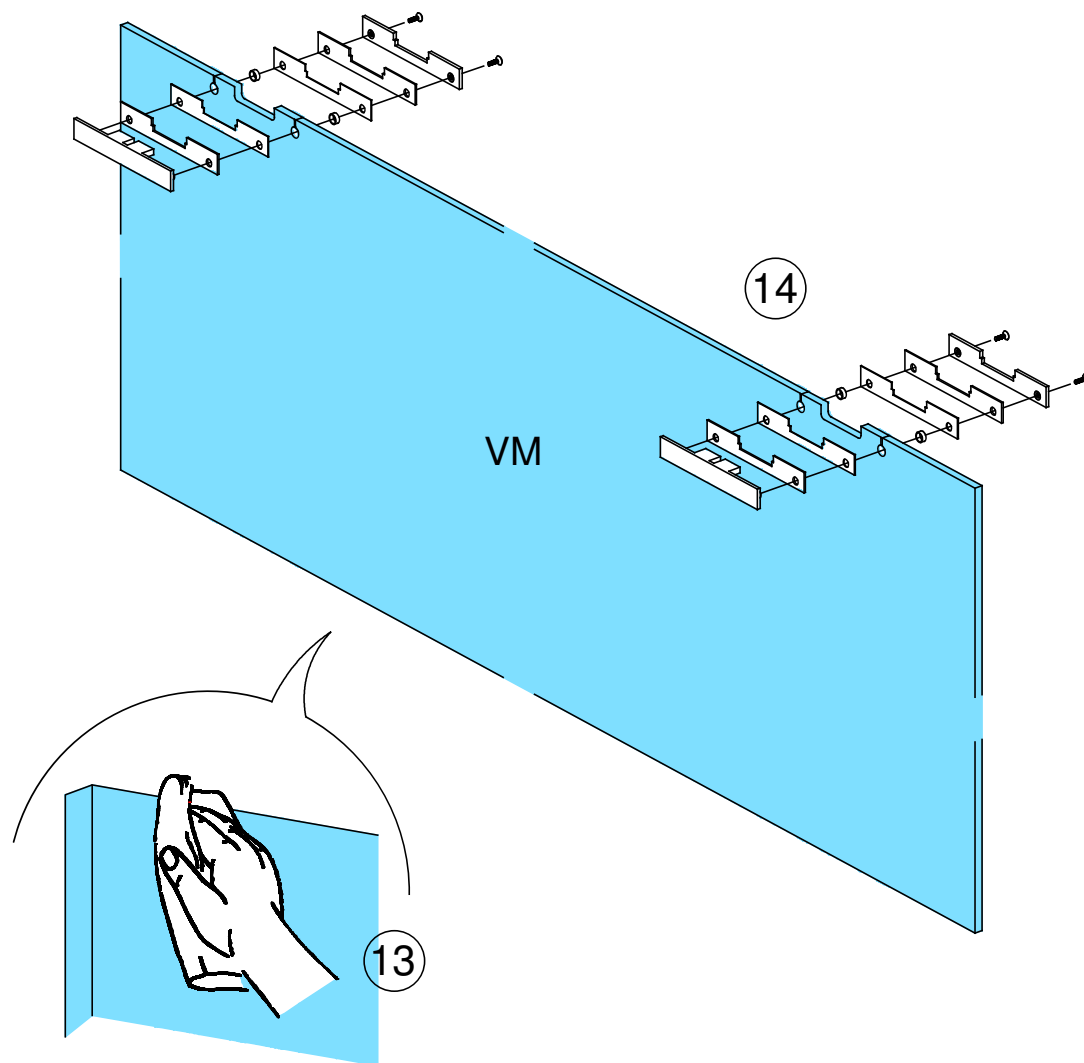
11. Insert the hangers and end stops\* into the SC21 profile bar without fixing them in their final positions, leaving them free to slide inside the profile bar.
12. Respect the sequence shown in the diagrams, ensuring that the hangers are on the interior with respect to the end stops. Position the end stop with a block on the handle side (closure side).

\* If shock absorber Art. 32423 is envisaged (for use of the shock absorber consult the specific instructions)



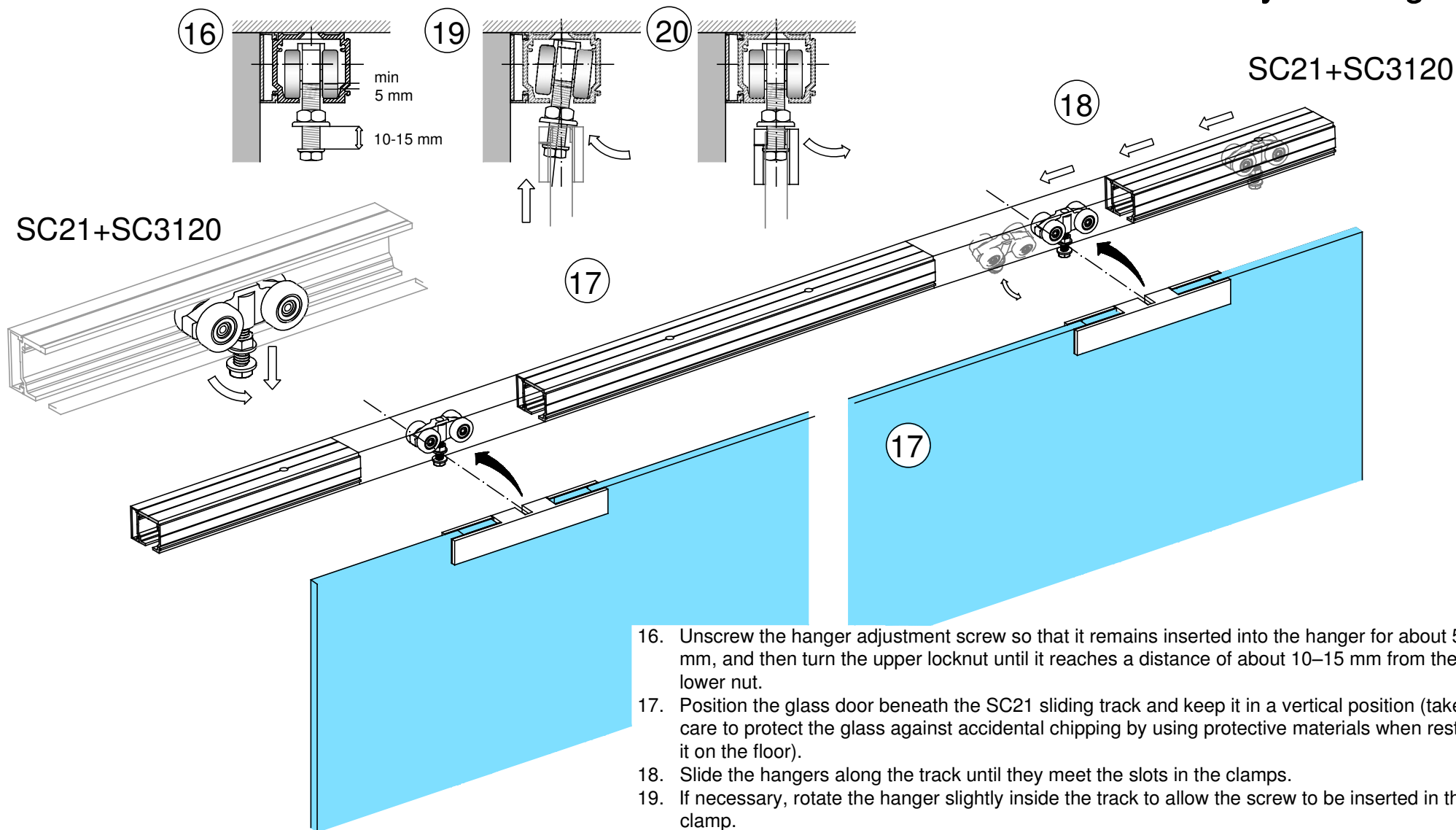
#### assembly of glass door and accessories

13. Thoroughly clean the contact surfaces between the glass and the accessories.
14. Assemble the CERPOS170 clamps onto the glass door as indicated in the diagram, taking care to follow the correct order of components as shown. As a check, the countersunk heads of the clamp tightening screws must be facing the wall. Use the appropriate spacers between the seals supplied in the accessories pack according to glass thickness (e.g. for 10 mm glass use two 1 mm seals).
15. Check that the upper edge of the clamp is flush with the edge of the glass.



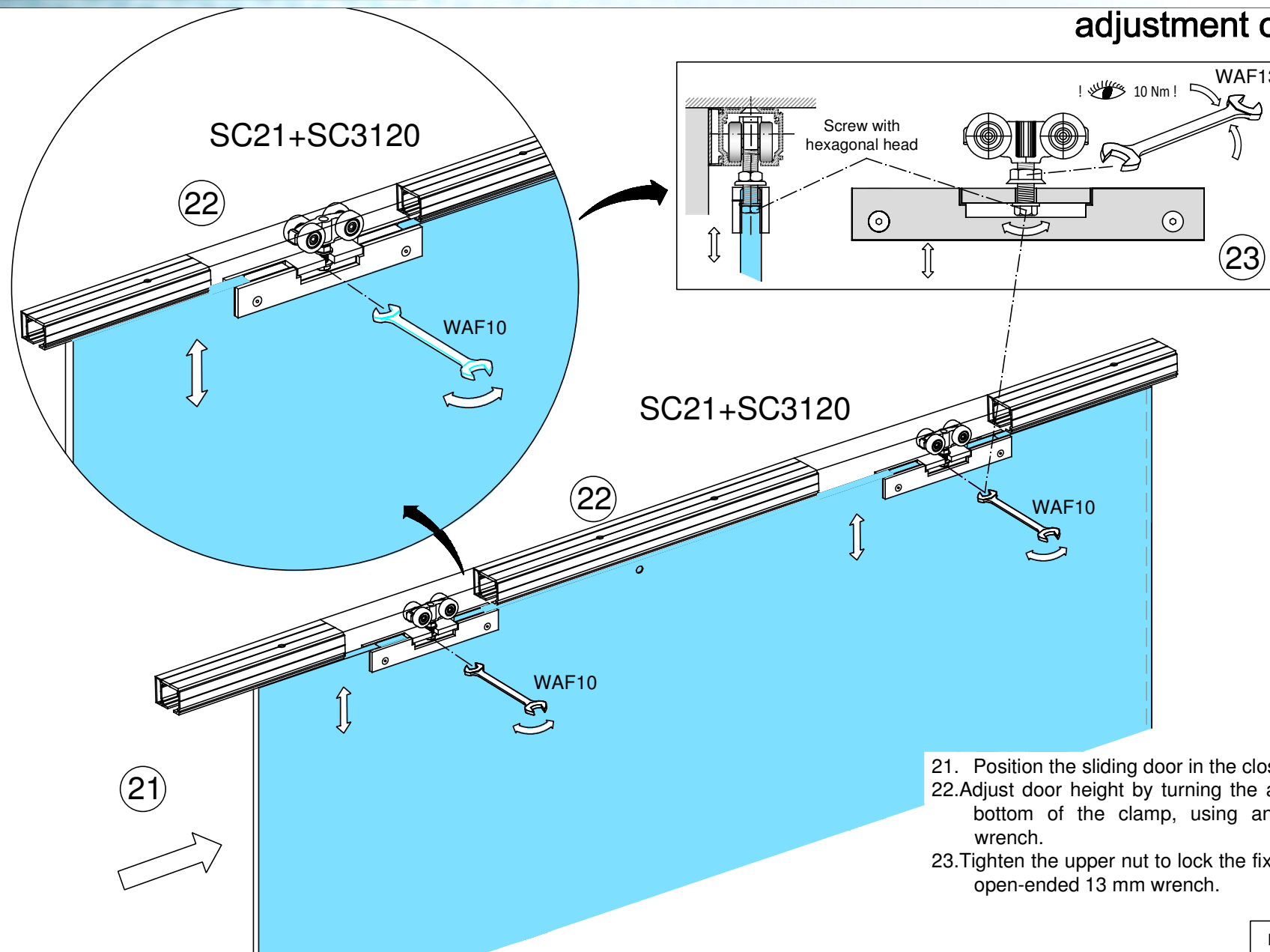
GLASS DRILLING DIAGRAM

#### assembly of sliding door



16. Unscrew the hanger adjustment screw so that it remains inserted into the hanger for about 5 mm, and then turn the upper locknut until it reaches a distance of about 10–15 mm from the lower nut.
17. Position the glass door beneath the SC21 sliding track and keep it in a vertical position (take care to protect the glass against accidental chipping by using protective materials when resting it on the floor).
18. Slide the hangers along the track until they meet the slots in the clamps.
19. If necessary, rotate the hanger slightly inside the track to allow the screw to be inserted in the clamp.
20. Slightly raise the glass door to allow the screw to enter the slot in the clamp. Then release the door, and it will remain suspended.

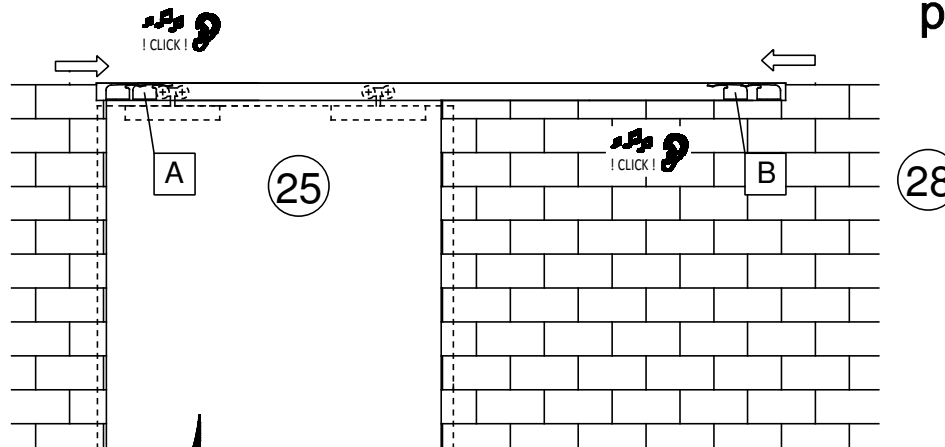
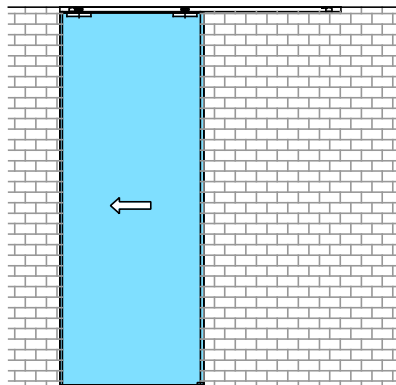
#### adjustment of sliding doors



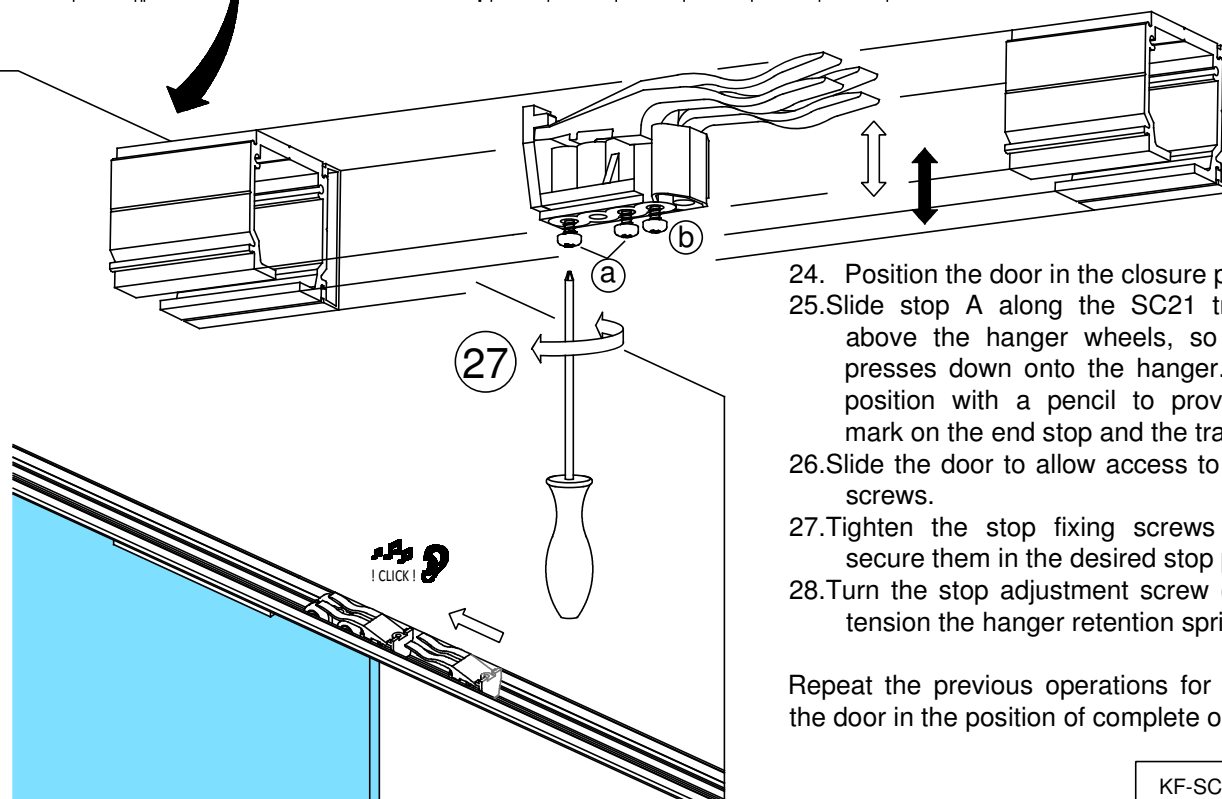
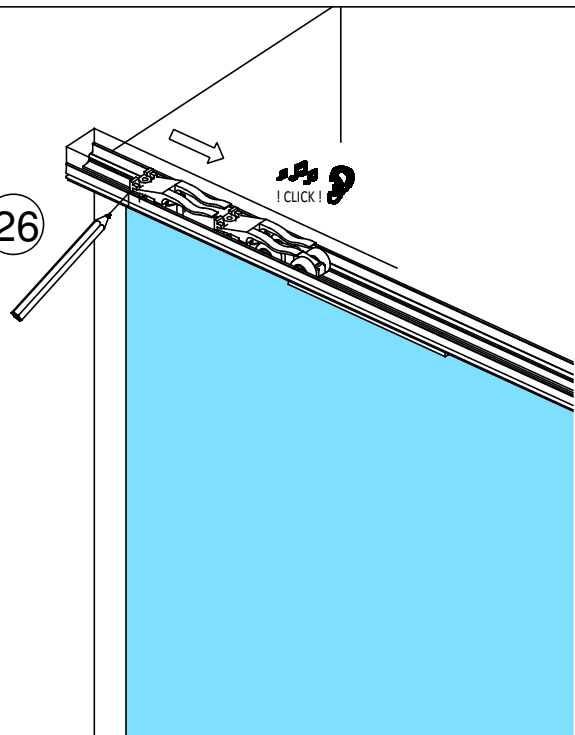
21. Position the sliding door in the closure position.
22. Adjust door height by turning the adjustment nut at the bottom of the clamp, using an open-ended 10 mm wrench.
23. Tighten the upper nut to lock the fixing position, using an open-ended 13 mm wrench.

#### positioning the end stop

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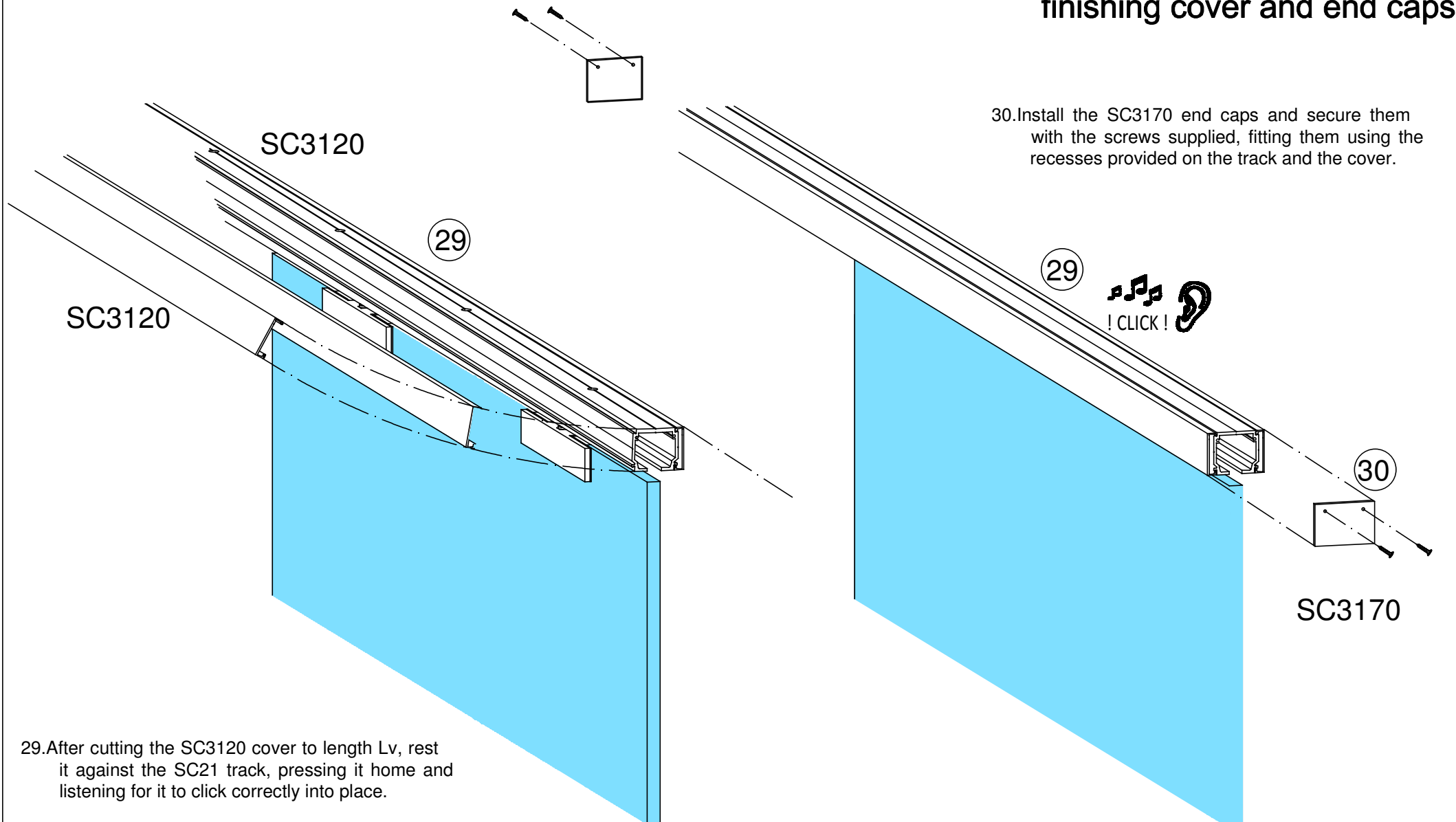
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24. Position the door in the closure position.
25. Slide stop A along the SC21 track until it is above the hanger wheels, so that the spring presses down onto the hanger. Then mark the position with a pencil to provide a reference mark on the end stop and the track.
26. Slide the door to allow access to the stop fixing screws.
27. Tighten the stop fixing screws (a) so as to secure them in the desired stop position.
28. Turn the stop adjustment screw (b) to correctly tension the hanger retention spring.

Repeat the previous operations for the stop B, with the door in the position of complete opening.

#### finishing cover and end caps



29. After cutting the SC3120 cover to length  $L_v$ , rest it against the SC21 track, pressing it home and listening for it to click correctly into place.

30. Install the SC3170 end caps and secure them with the screws supplied, fitting them using the recesses provided on the track and the cover.

**final assembly**

