

ELIT 

Concealed hinges installation manual



CLEARANCE FOR HINGES' OPERATION

| Overlap thickness, mm | X (gap, mm) |
|-----------------------|-------------|
| 18 | 5,5 |
| 20 | 7,0 |
| 22 | 8,5 |

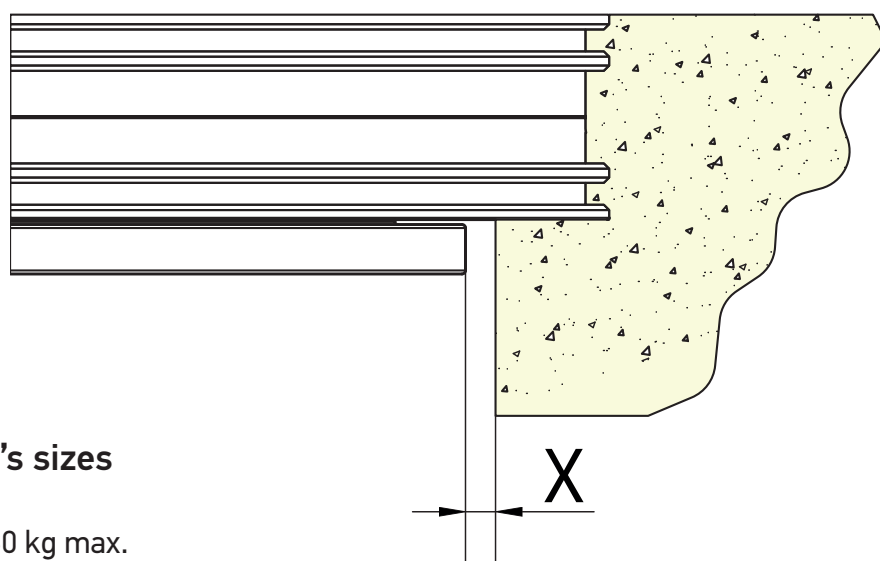
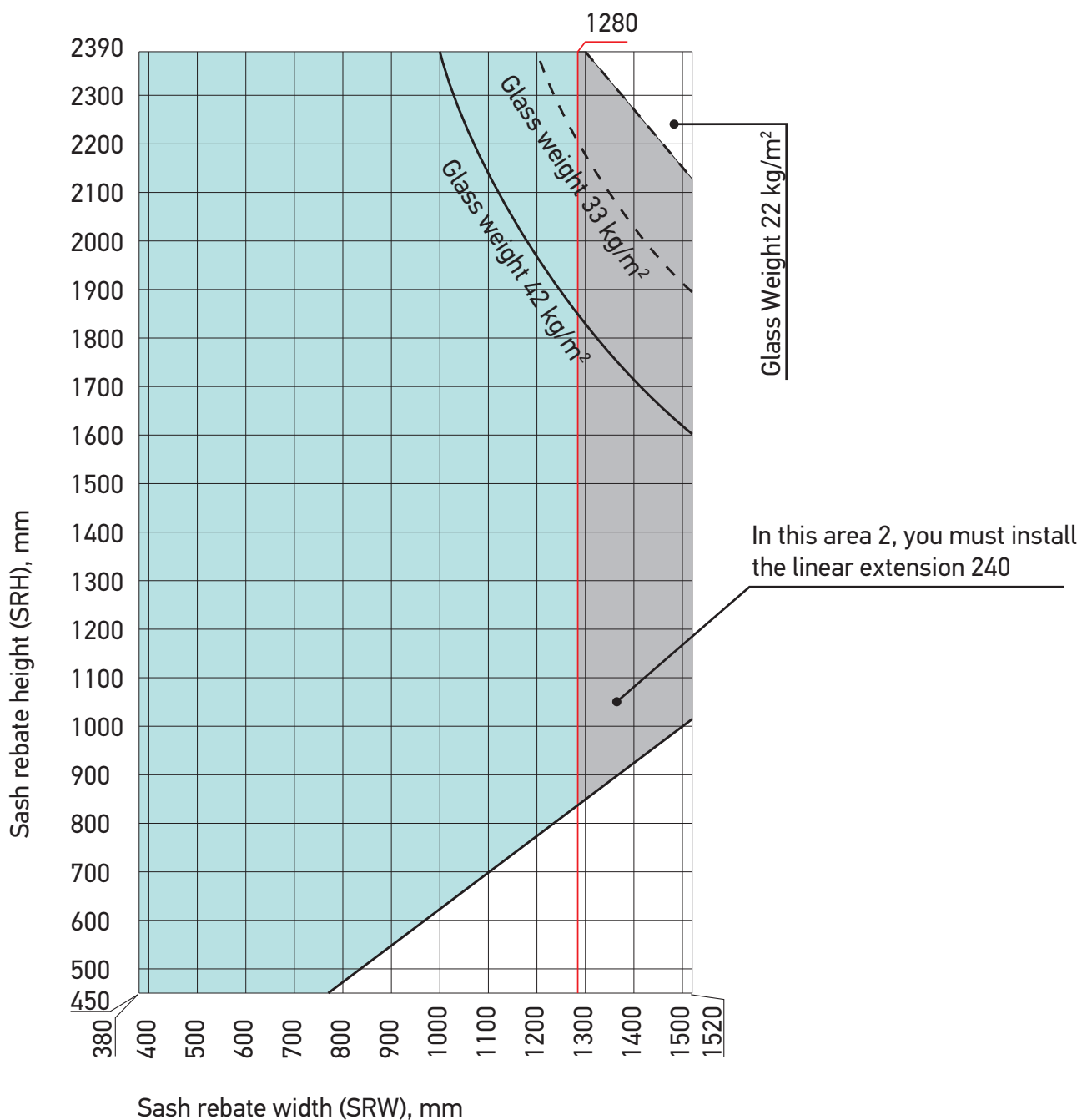


Diagram of maximum allowable sash's sizes

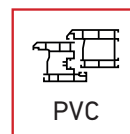
Permissible sash size

Permissible sash's weight for this range is 130 kg max.

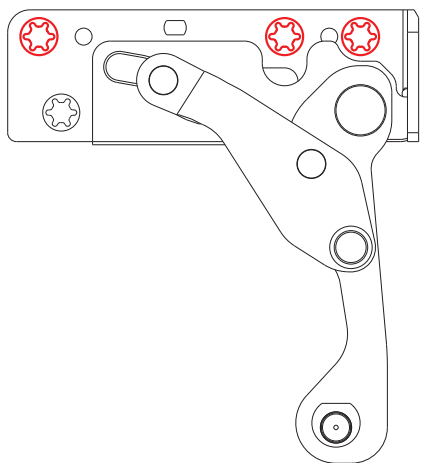
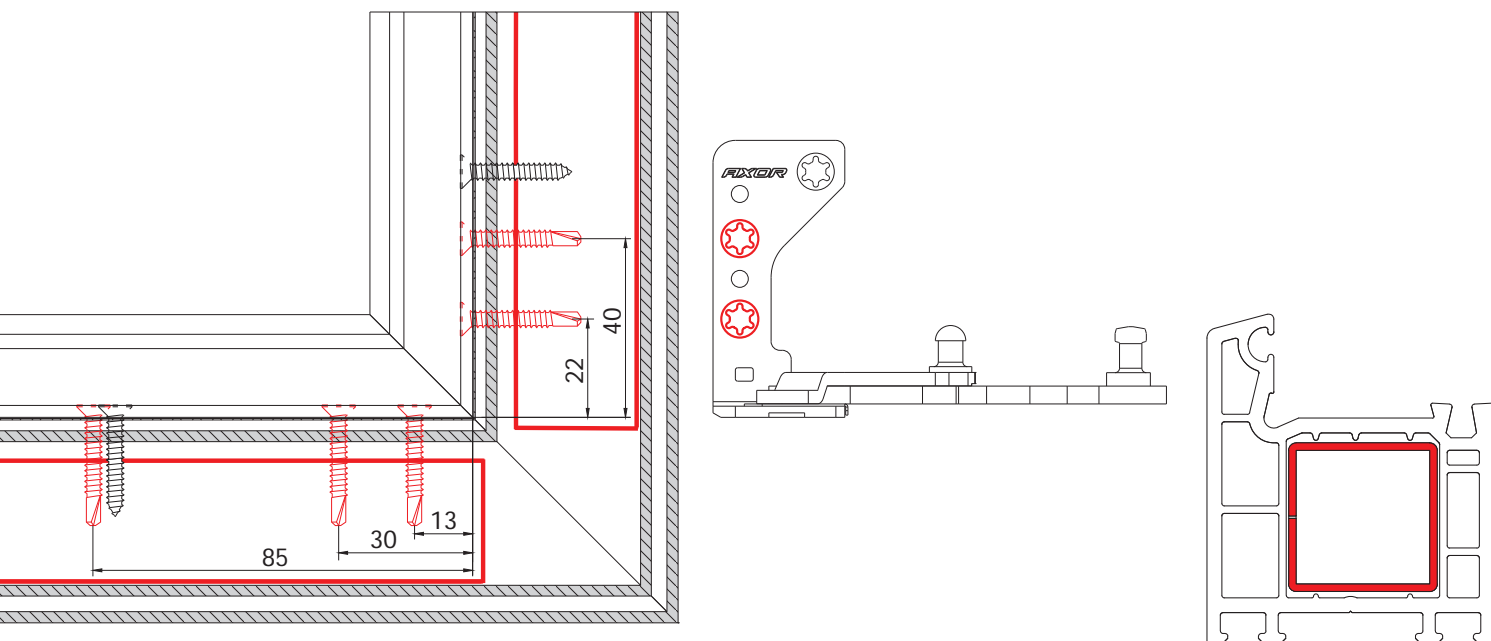
1 mm/m² glass thickness = 2.5 kg




RECOMMENDATIONS FOR USAGE OF REINFORCING PROFILE IN A FRAME AND DIMENSION OF THE SASH REBATE GAP (CLEARANCE BETWEEN A SASH AND A FRAME)



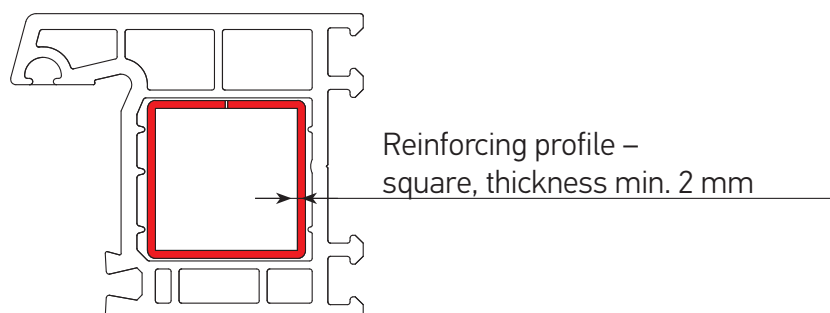
For correct operation and long service life of a window construction at maximum load on a sash, according to the diagram of permissible dimensions.



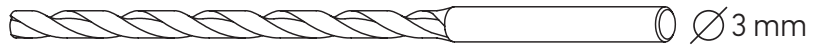
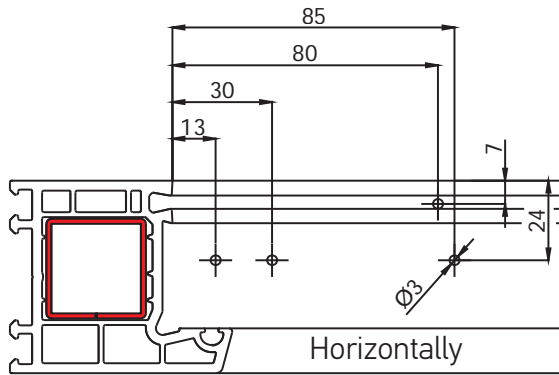
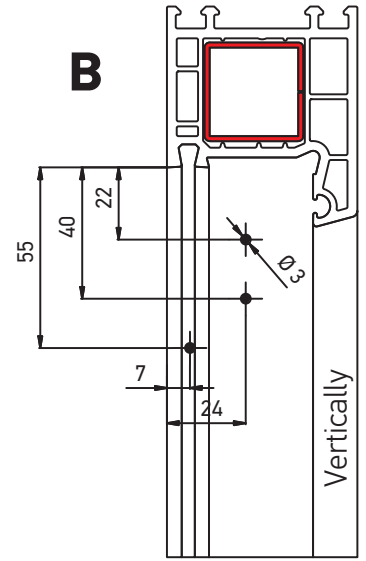
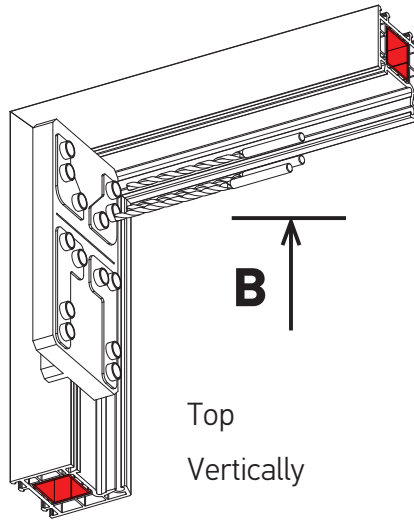
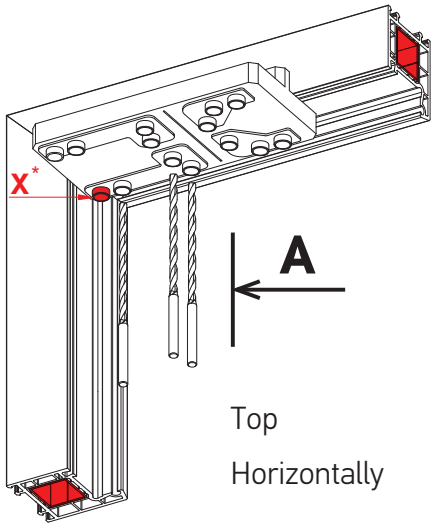
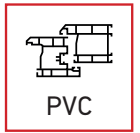
 **All screws must be installed into the reinforcing profile**


Minimum sizes of the clearance between a frame and a sash:

| | |
|-------------------|--------------|
| Bottom | min. 12,5 mm |
| Top | min. 12 mm |
| Left/right | min. 12 mm |

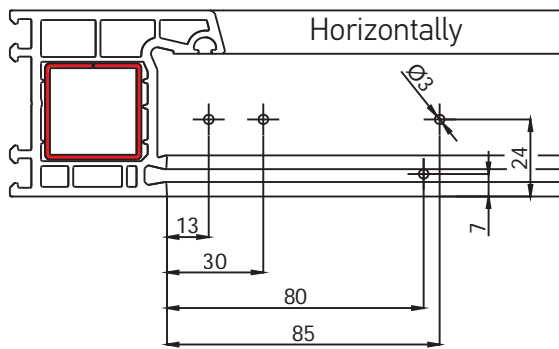


DRILLING GUIDANCE FOR TOP AND BOTTOM HINGES ON A FRAME, ON THE LEFT

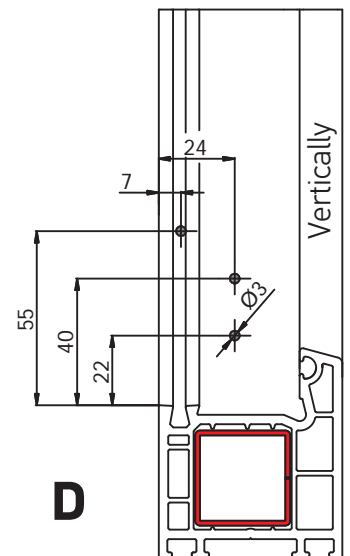
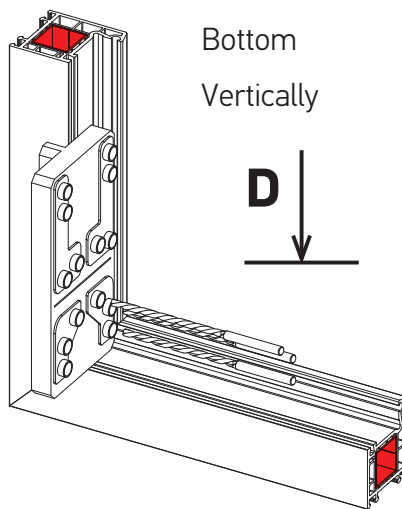
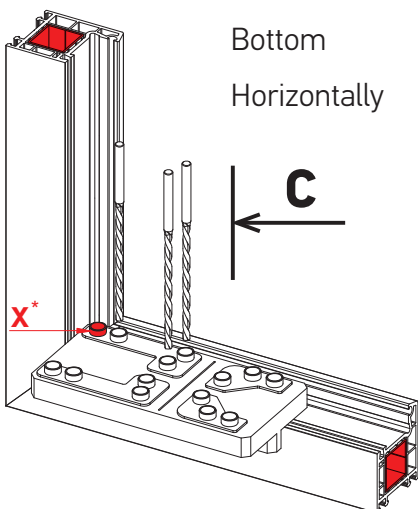
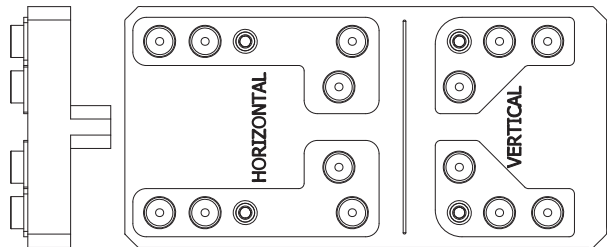


 Holes must pass through the reinforcement, except for the marked hole «X»

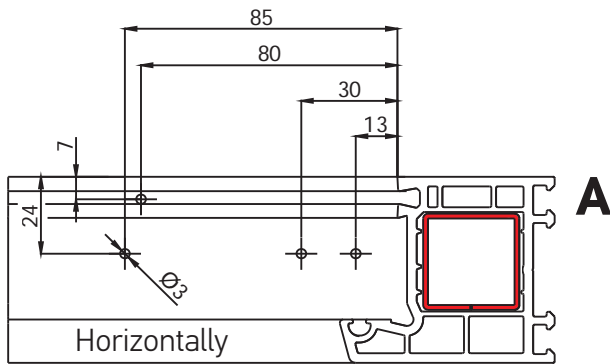
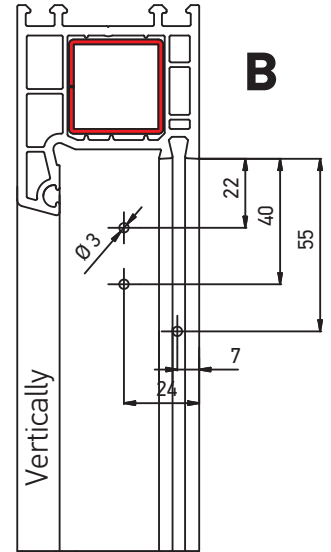
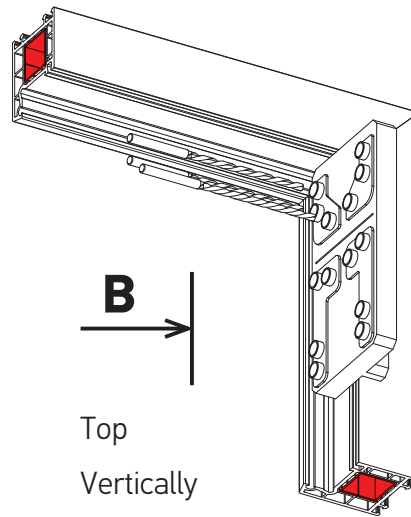
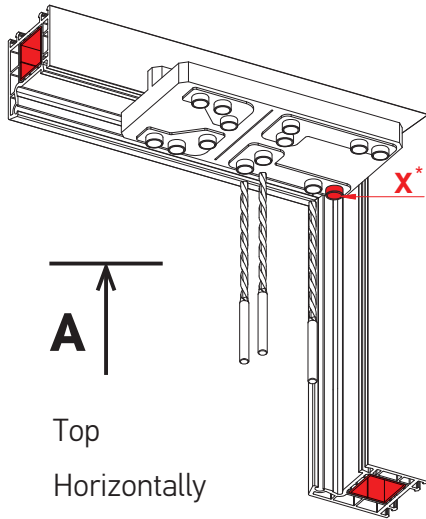
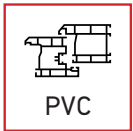
X* — Do not drill with the drilling template. Screw the screw during hinge installation.




Drilling template A7145-02-N03



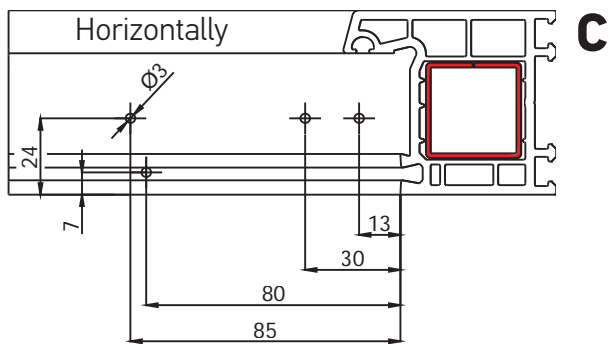
DRILLING GUIDANCE FOR TOP AND BOTTOM HINGES ON A FRAME, ON THE RIGHT



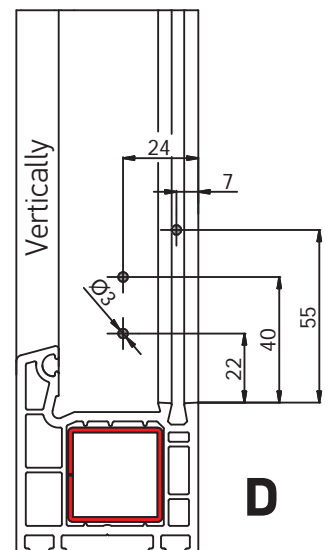
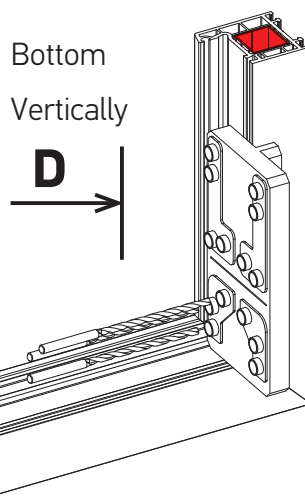
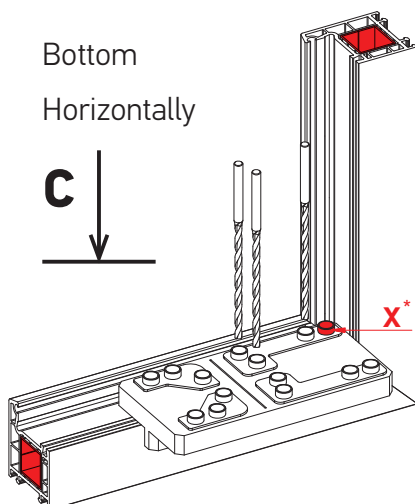
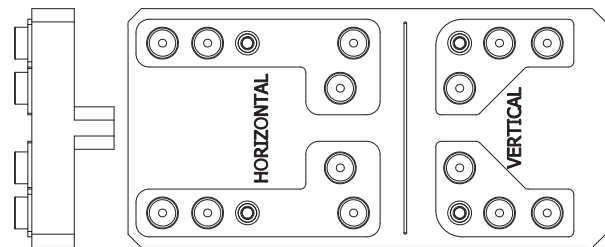


Holes must pass through the reinforcement, except for the marked hole «X»

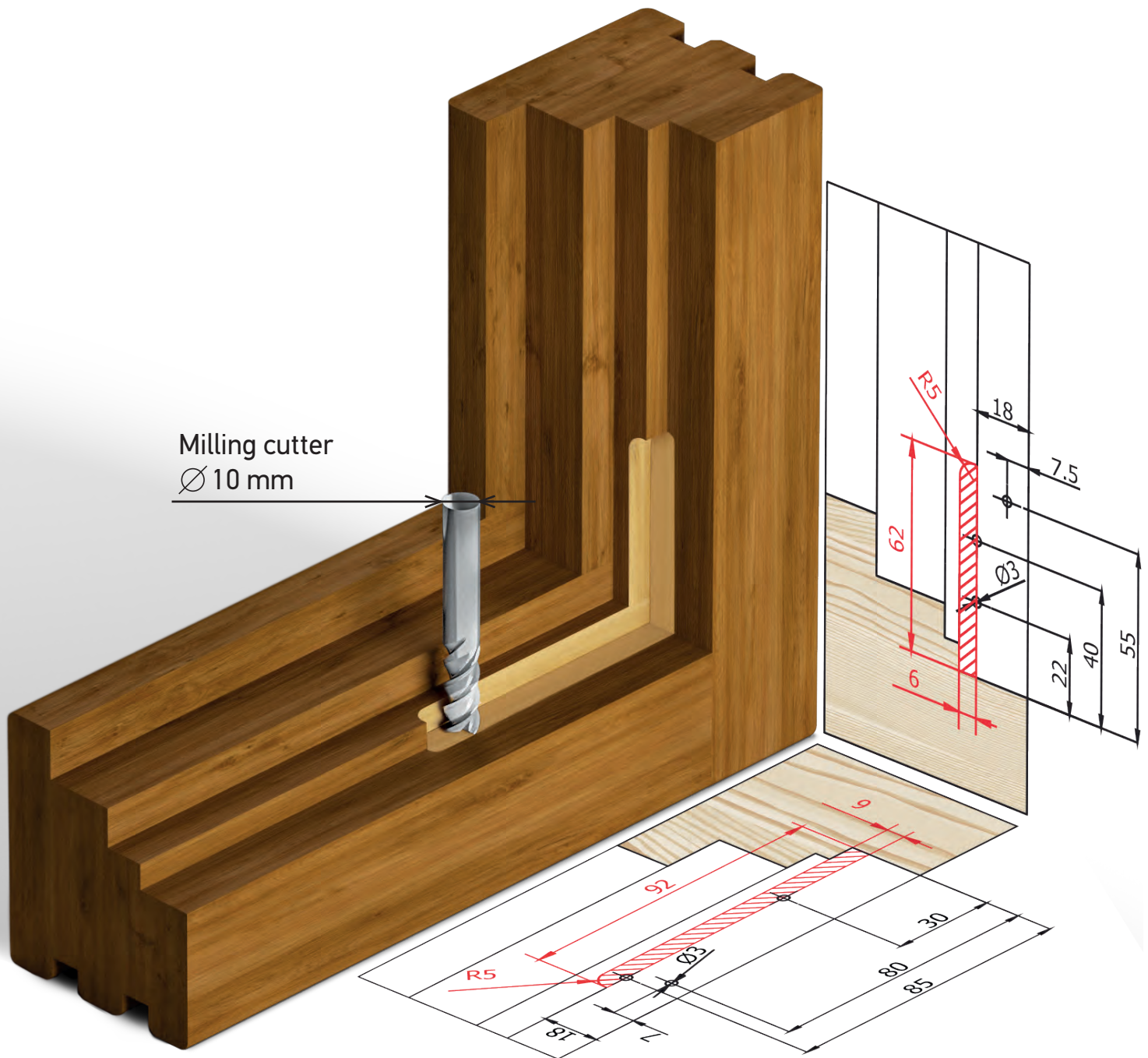
X* — Do not drill with the drilling template. Screw the screw during hinge installation.



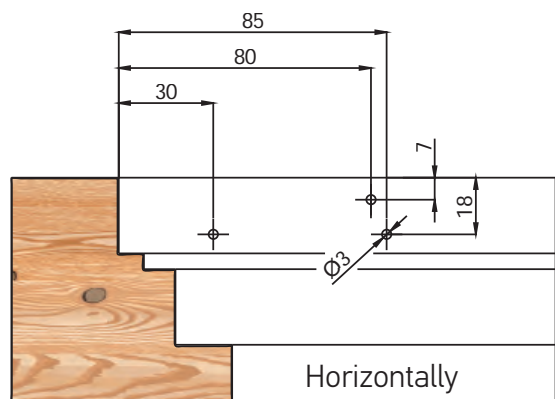
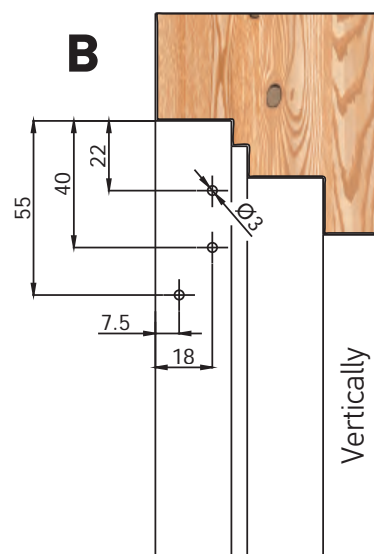
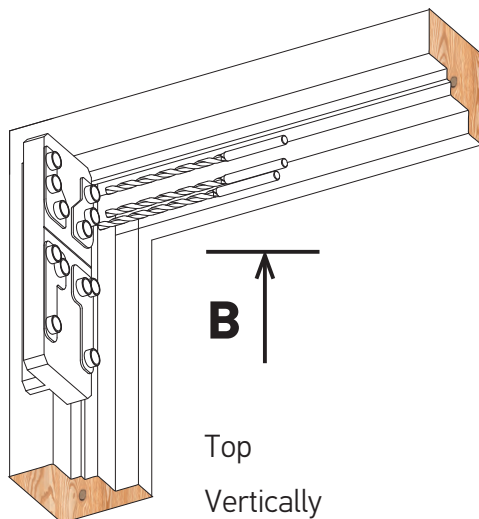
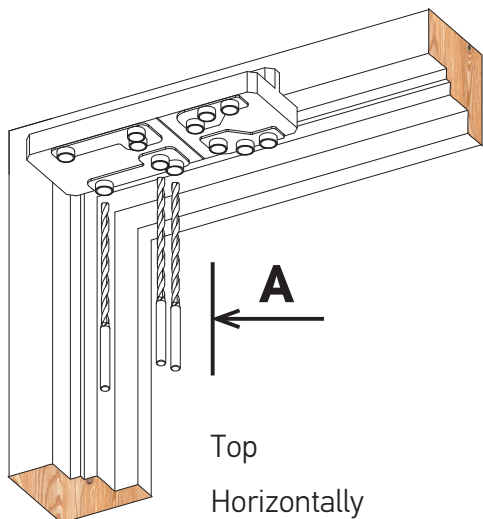
Drilling template A7145-02-N03



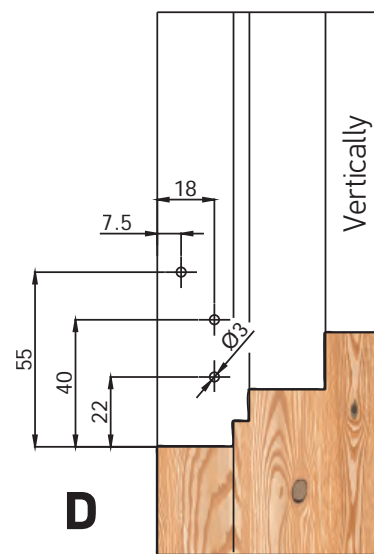
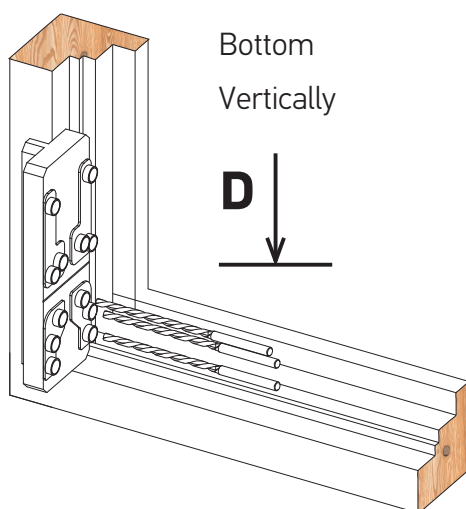
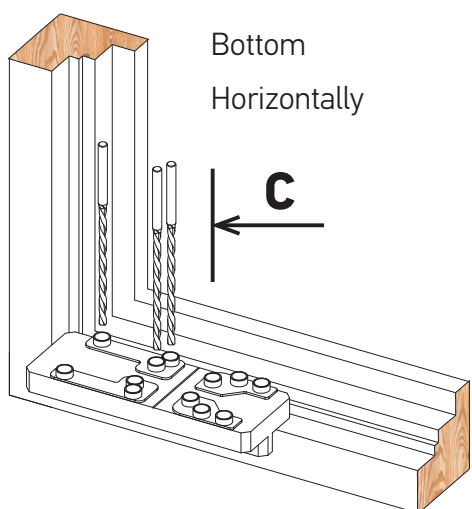
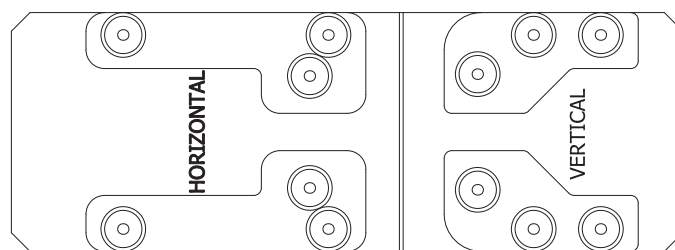
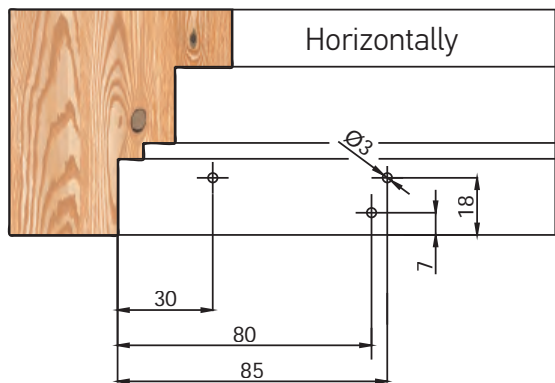
GUIDANCE FOR THE MILLING OPERATION TO THE SASH REBATE 18MM, TIMBER PROFILES



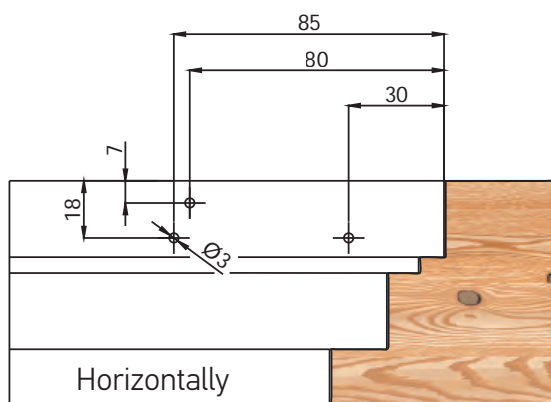
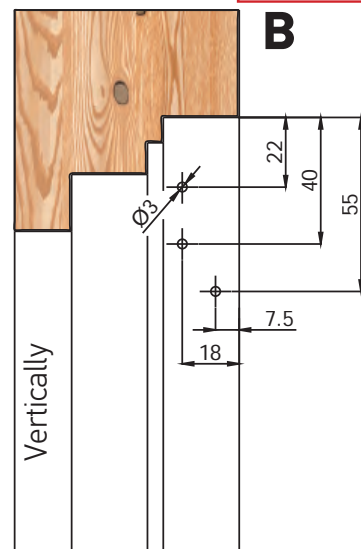
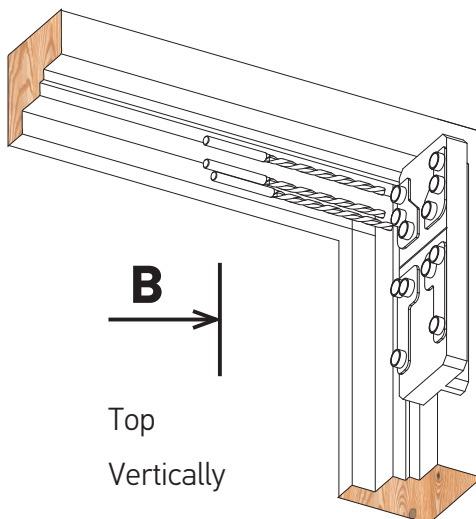
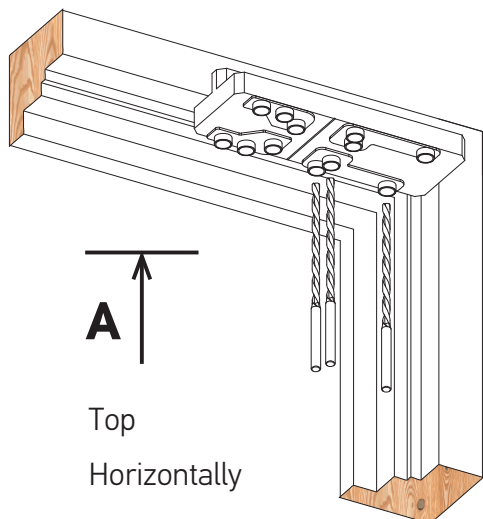
DRILLING GUIDANCE FOR TOP AND BOTTOM HINGES ON A FRAME, ON THE LEFT



Drilling template A7145-01-N03
(for width of frame rebate 24 mm)



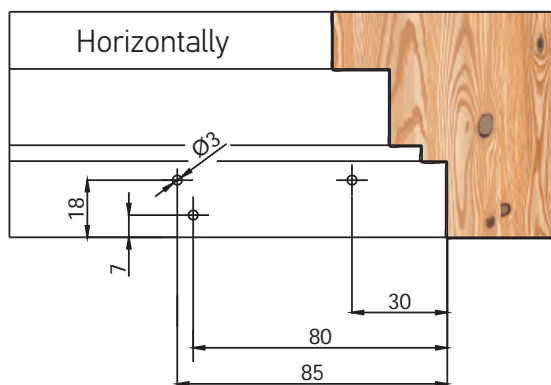
DRILLING GUIDANCE FOR TOP AND BOTTOM HINGES ON A FRAME, ON THE RIGHT



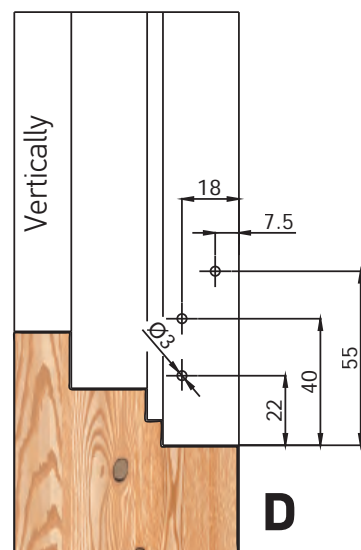
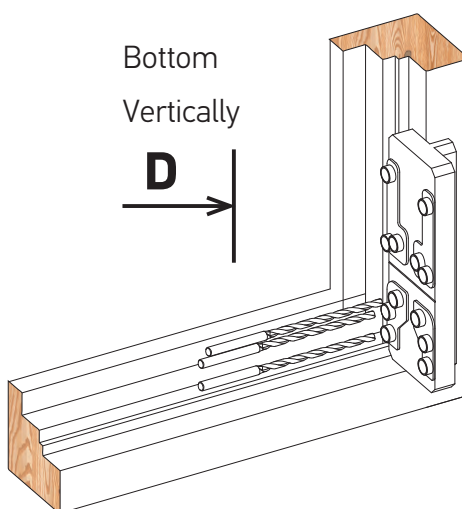
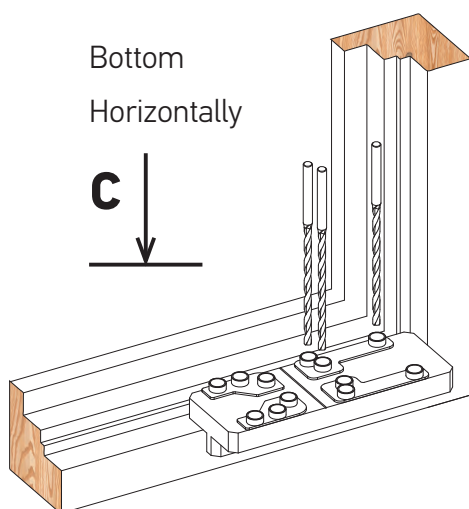
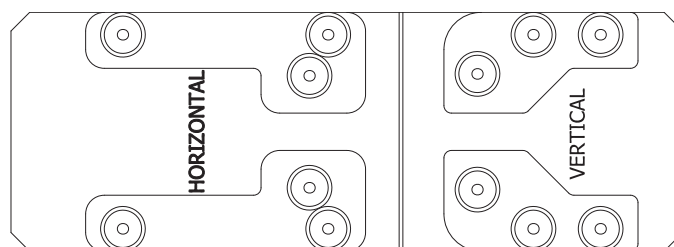
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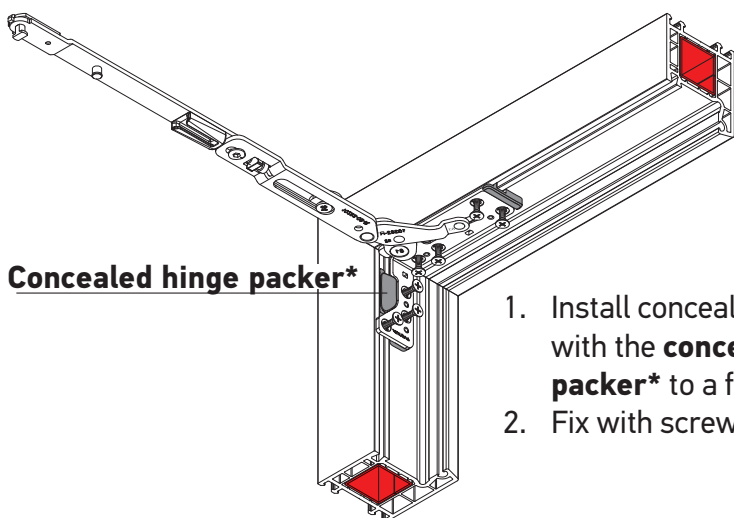
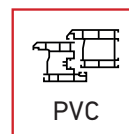
Drilling template A7145-01-N03
(for width of frame rebate 24 mm)



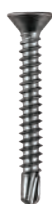
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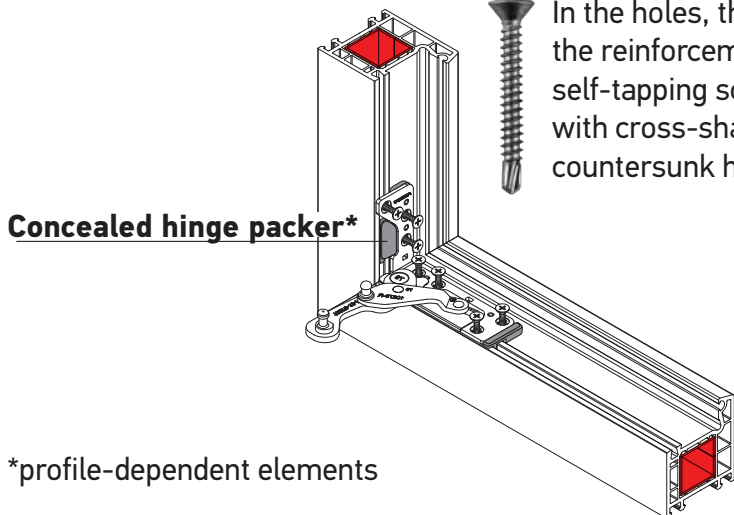
HINGES' INSTALLATION ON A FRAME



1. Install concealed stay arm with the **concealed hinge packer*** to a frame.
2. Fix with screws.

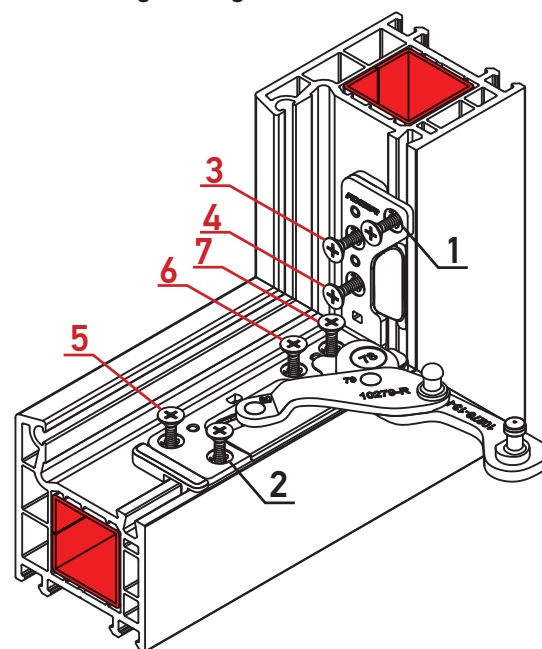


In the holes, that go through the reinforcement steel, use self-tapping screws 4.5 * 38 with cross-shaped slot and countersunk head



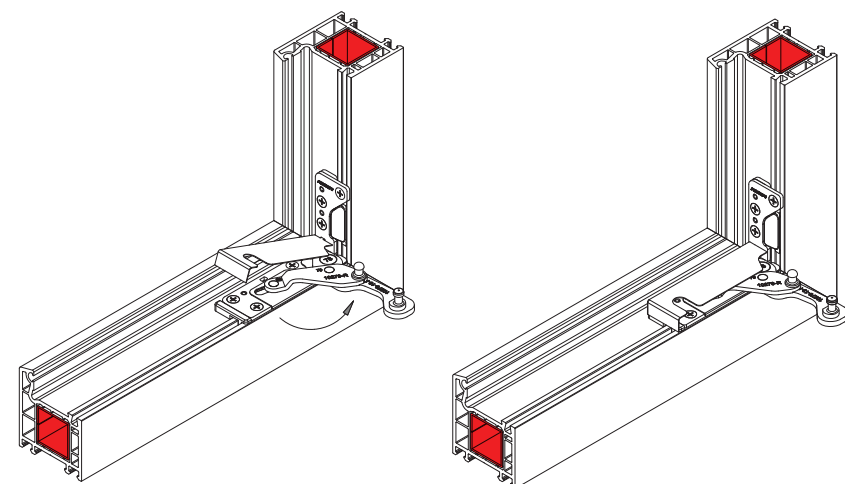
*profile-dependent elements

- Screwing procedure:
- Screws **1** and **2** for PVC in the groove for glassing bead
 - Self-tapping screws **3-7** into reinforcement steel
 - Screw in the screw **7** with an extended screwdriver bit or a manual screwdriver.
 - Strictly observe the perpendicular axis when tightening the screws

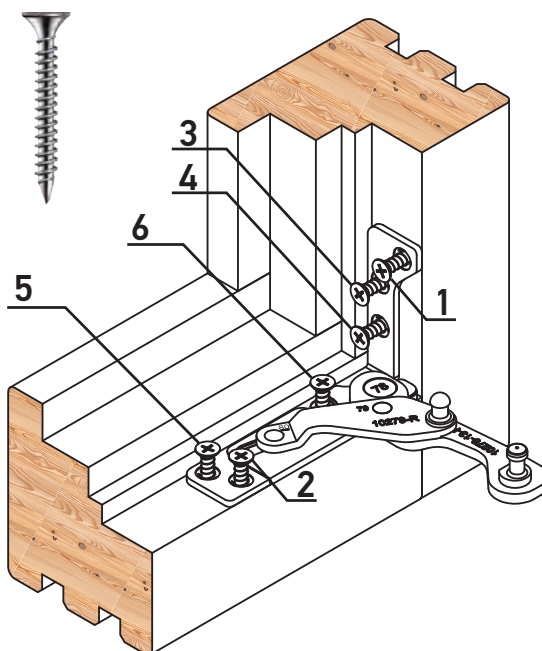


INSTALLATION OF A DECORATIVE COVER

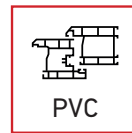
1. Open the hinge.
2. Install the cover in a hole on vertical part of the hinge.
3. Fasten the cover on horizontal part of the hinge.



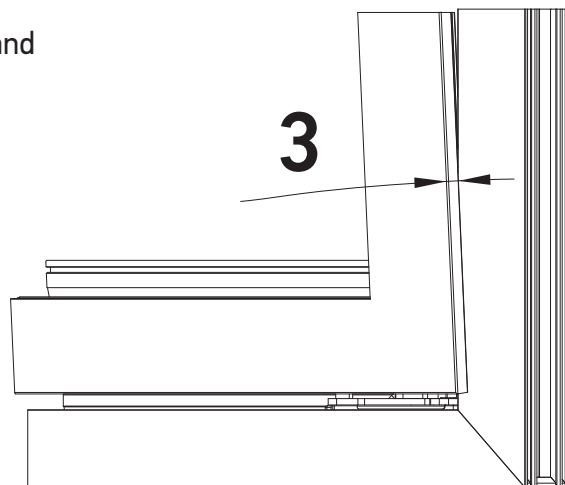
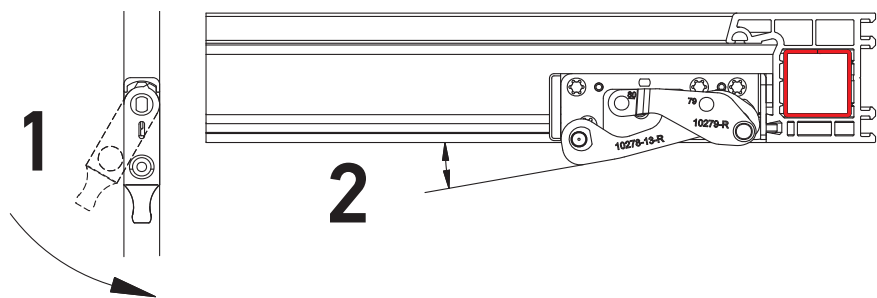
Installation is carried out without the concealed hinge packers, hinges are installed in the point blank of frame rebate.



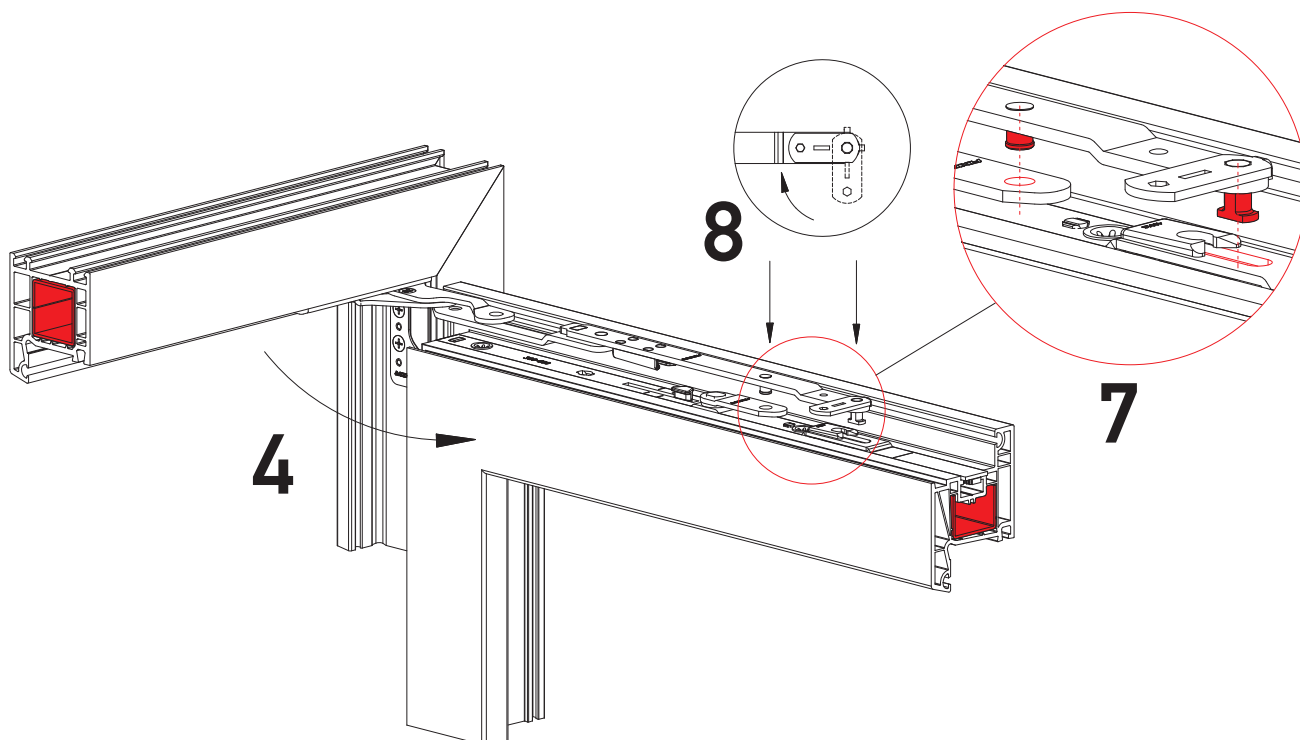
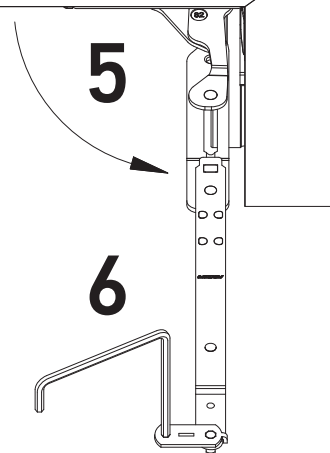
SASH'S INSTALLATION



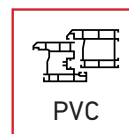
1. Move the wrong operation safety device to the "middle" position and turn a handle to the "tilt" position.
2. Open the concealed bottom hinge at an angle of $\approx 5-10^\circ$.
3. Slightly tilting a sash to install it on the concealed bottom hinge.



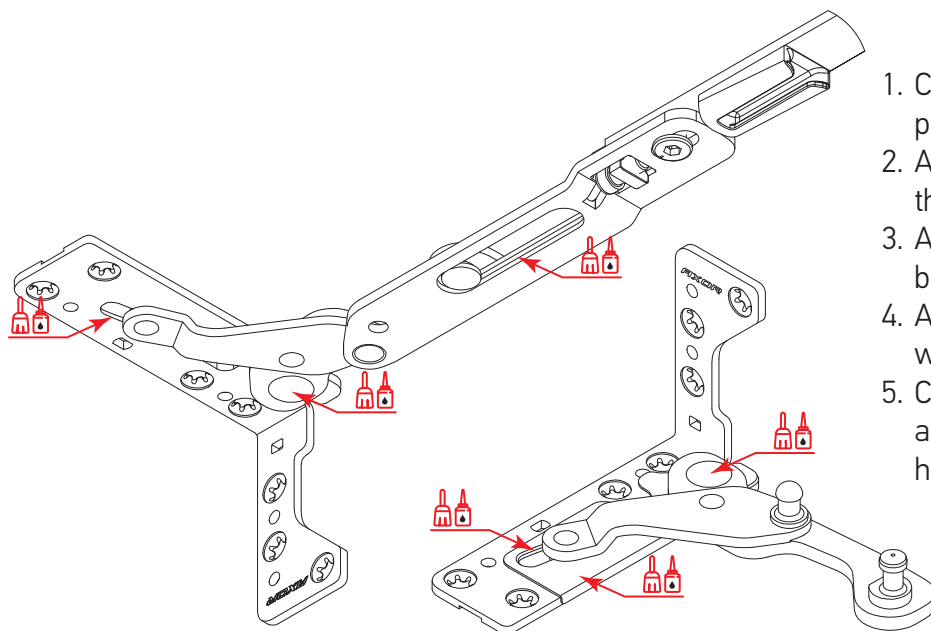
4. Open the sash at 90° .
5. Open the concealed stay arm.
6. Turn a locking plate using hex 4mm, until it stops.
7. Connect the concealed stay arm with the concealed stay arm connecting plate and close the locking plate.
8. Block the locking plate on the stay arm.
9. Rotate the handle into the turn position.
10. Turn the wrong operation safety device according to direction of opening.
11. Close the sash.



CARE OF HARDWARE

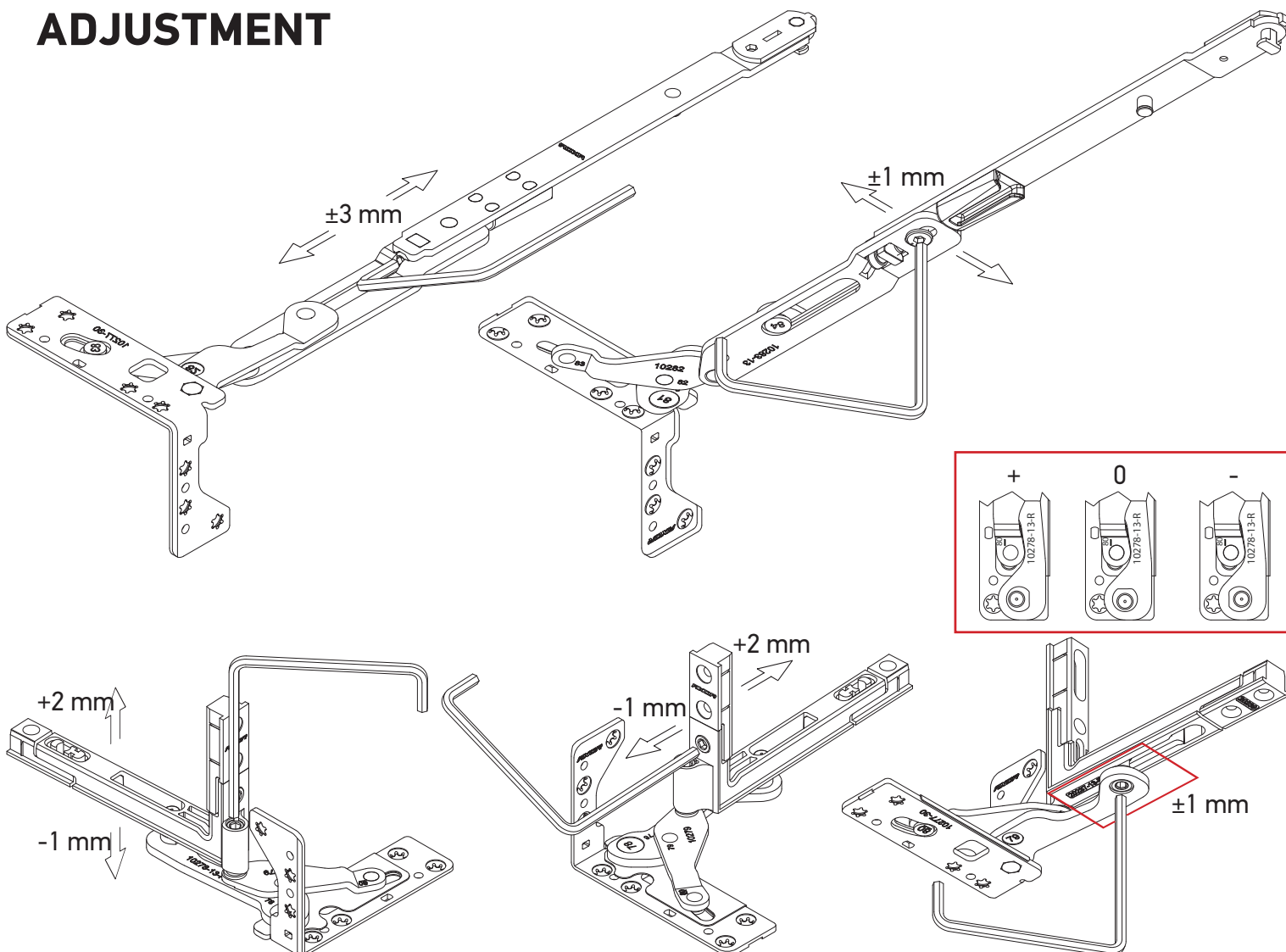


For reliable and long-term work of window hardware it is necessary to adhere to simple rules of operation:



1. Carry out cleaning of hardware with pH-neutral means
2. Avoid mechanical damage to elements and their surface
3. Avoid contact of window hardware with building materials
4. Avoid exposure of aggressive acid vapors to window hardware
5. Carry out regularly (1 time per year) cleaning and lubrication of all major components of hardware

ADJUSTMENT



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