

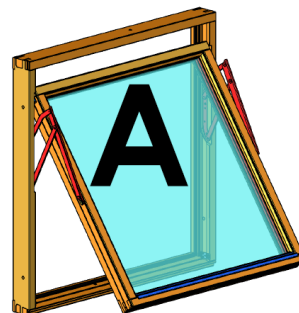
Installation of windows and patio doors.

Version: 1 eng (120207)

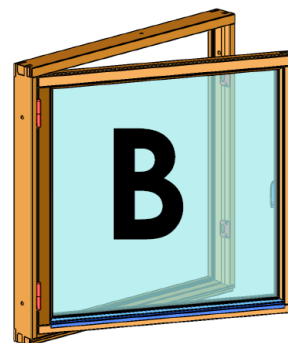
When you follow these instructions, the manufacturer's warranty is valid.

This instruction applies to all windows and patio doors. However, there are certain differences between the various window models, so follow the specifics for the your window or patio door

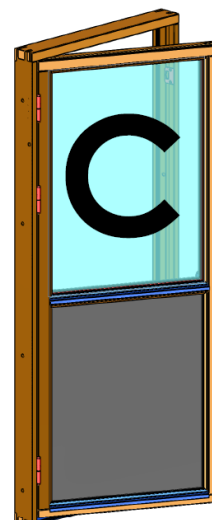
For installation of **Fully reversible H window**, see the specifics marked:



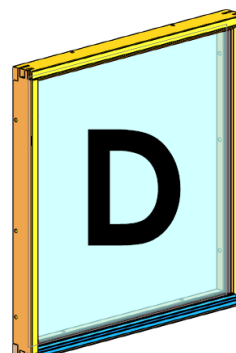
For assembly of **Side hung casement**, see the specifics marked:



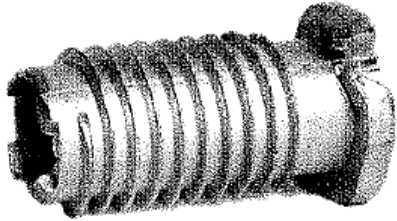
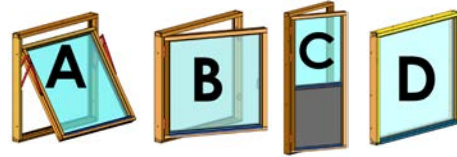
For installation of **Patio doors**, see the specifics marked:



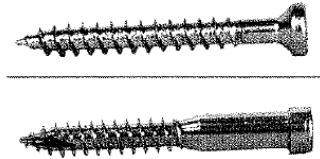
For installation of **Fixed light**, see the specifics marked:



1) Accessories

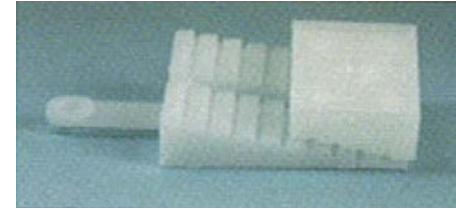


**Frame bushing
distribution plate**



Wood screws

(for mounting in steel frames,
see separate instruction)



Level control blocks

Pressure



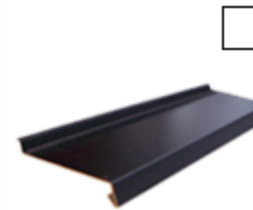
Assembly tools



Sealing membrane



**Expanding
insulation tape**

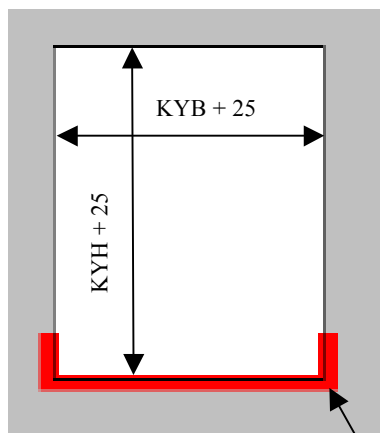
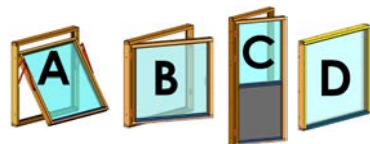


Metal plates

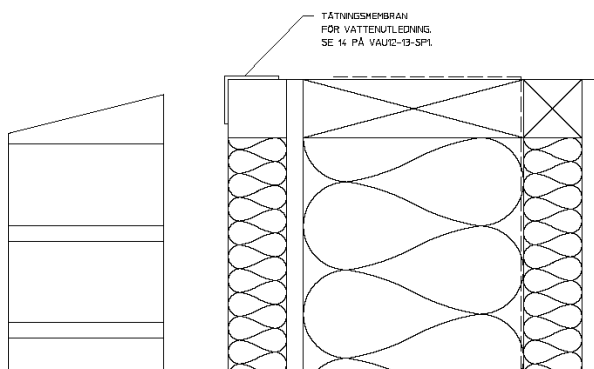


**Accessories
box from Elit (with
handle, screws and och lid)**

2) Sealing membrane

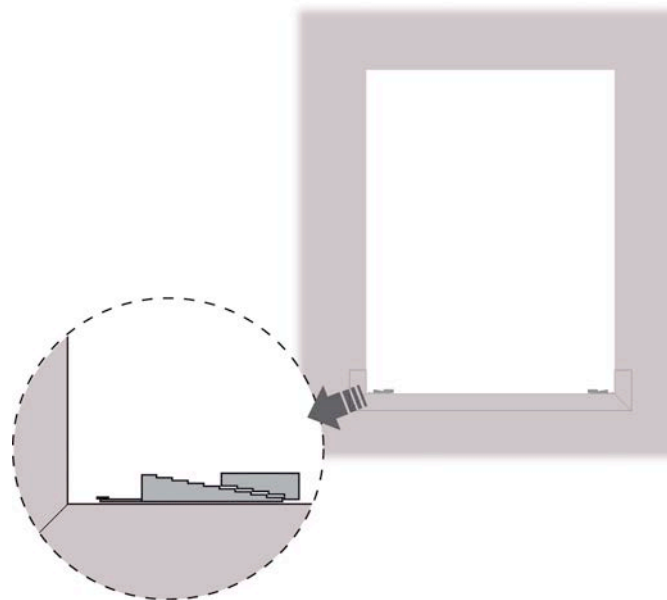
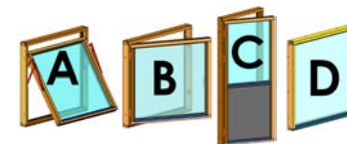


Sealing membrane



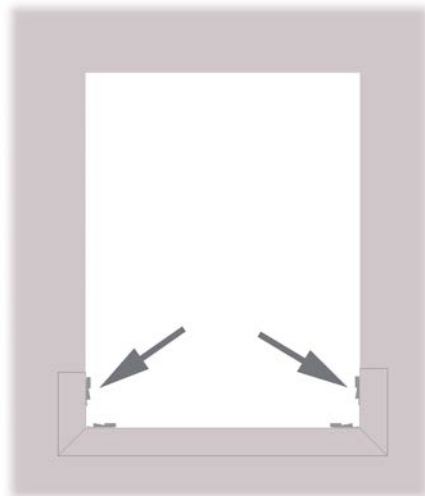
Cut a sealing membrane with a length = window width + 100 mm. Apply this along the lower edge of the window opening with the ends protruding about 50 mm up along the sides. The application depth depends on the wall and window type.

3) Level control blocks



Screw level control blocks on the lower edge of the wall opening. Make sure that there is a block underneath each side of the frame (the outer edge of the block must not reach further into the wall than 100 mm from the outer edge of the frame) and underneath any mullions. If the width of the window/door is >950 mm, additional blocks must be installed at equal distances. The block width must be at least 20 mm less than the frame to allow continuous caulking and tight joints.

4) Level control blocks



A: For installation of pivot-hung windows, always attach two additional level control blocks to the sides of the window opening, putting them level with the attachment points of the espagnolettes.

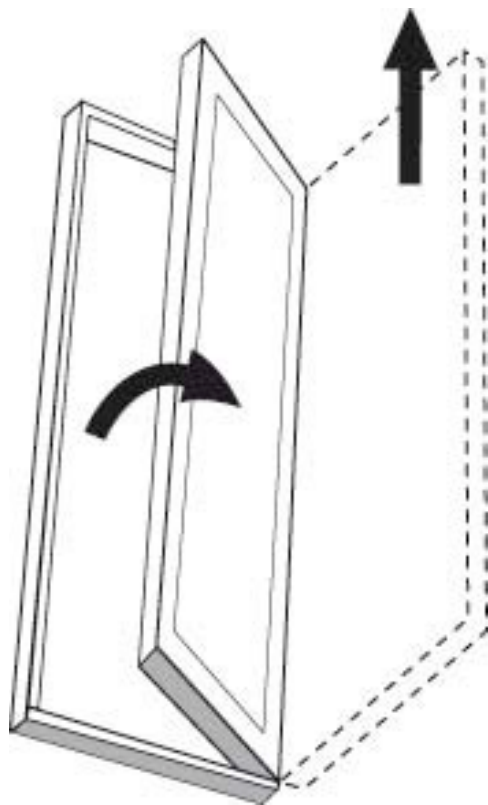
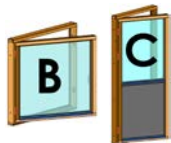
B, C: For **burglar proof**, pivot-hung windows and patio doors, use blocks as reinforcement (in severely moist repellent material, e.g. plastics) at the attachment point of the espagnolettes.

5) Check and adjust



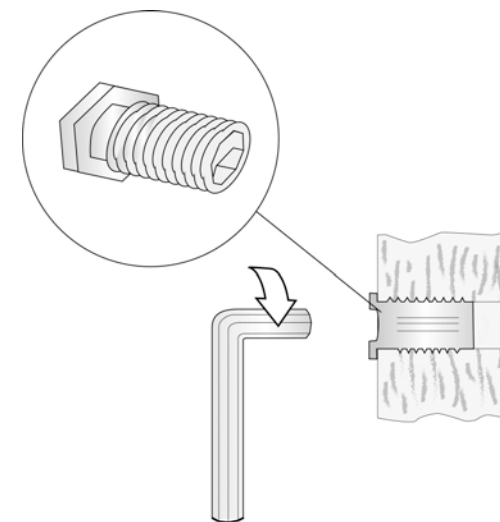
Using a water level, check that the window/door is horizontal. If needed, adjust this by raising or lowering the level control blocks.

6) Detach casement / door leaf



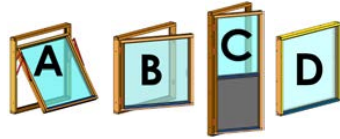
Detach the casement / door leaf from the frame. (First disengage the window brake by cautiously pulling the arm downward!)

7) Frame bushings



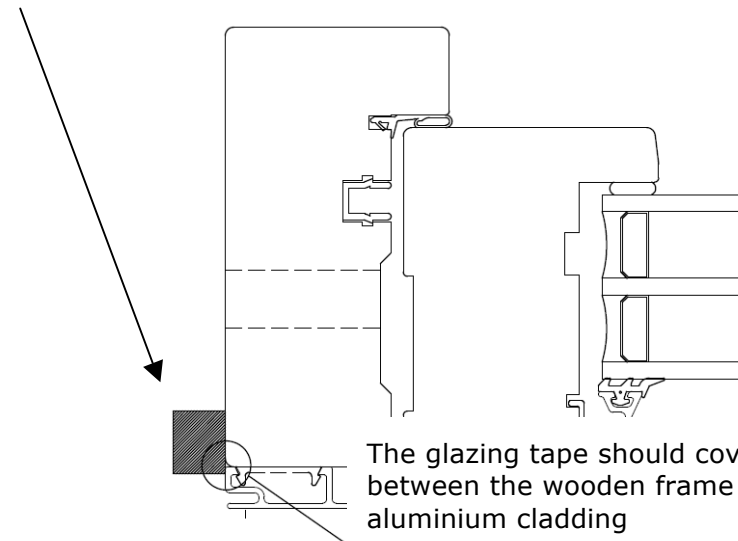
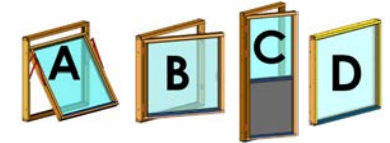
Screw frame bushings from the outside into all pre-drilled holes in the frame, using an Allen key or special assembly tool (frame bushings can also be ordered from Elitfönster).

8) Distribution plates



Press pressure distribution plates from the outside into the bushings. Such plates are not always necessary, but they **must** be used on burglar-proof windows and patio doors, and **should** also be used on porous wall materials.

9) Glazing tape

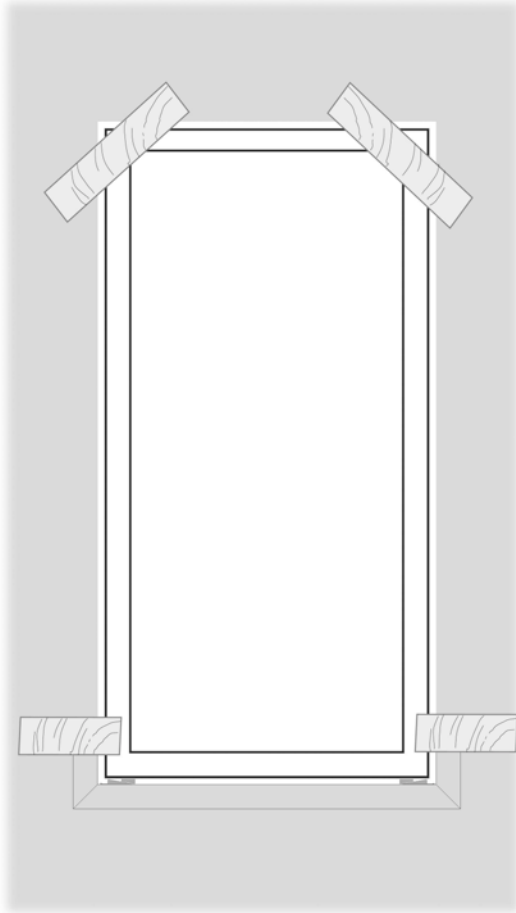


The glazing tape should cover the gap between the wooden frame and the aluminium cladding

träkarmen och aluminiumbeklädningen.

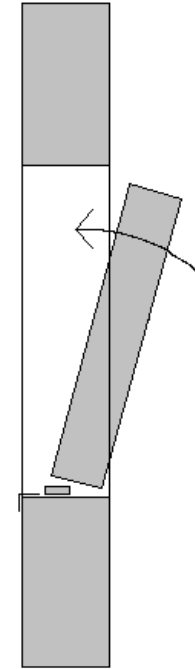
Apply pre-formed glazing tape, e.g. Tremco/Illbruck, around the outside of the frame. The tape must be cut, **not** folded around the edges. Apply glazing tape to the frame head and jambs. Glazing tape underneath the window should be applied against the wall opening. For the rest, follow instructions from the tape supplier.

10) External supports

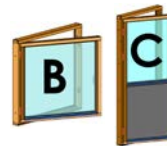


Attach blocks to the outside of the wall opening as support to prevent the window/patio door from falling out.

11) Install the window / frame



Install the **window** from the inside into the wall opening, putting it on the level control blocks.



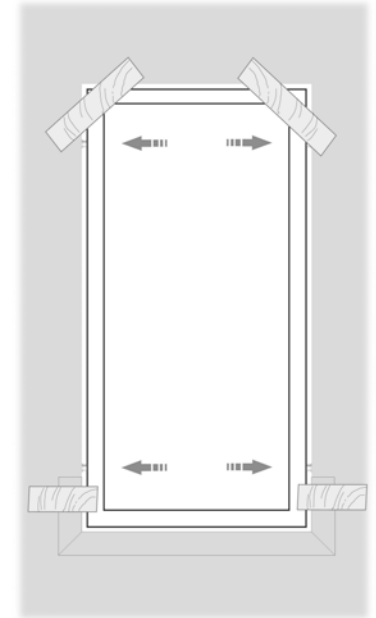
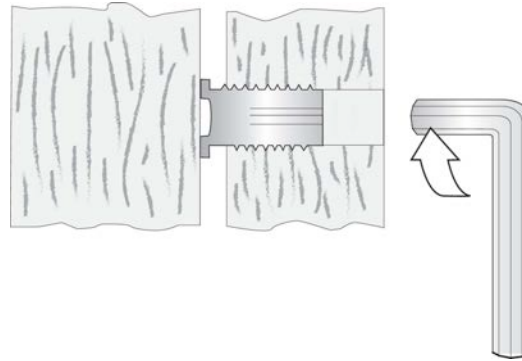
Install the **frame** from the inside into the wall opening, putting it on the level control blocks.

12) Open the window



Open the window, making the bushing holes accessible from the inside.

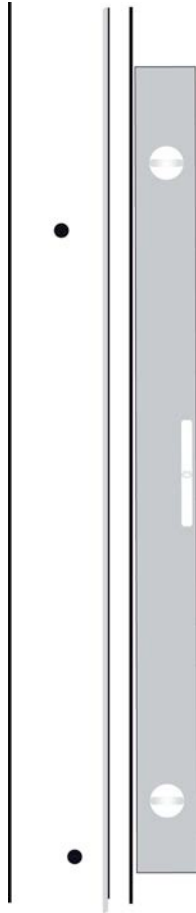
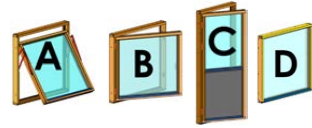
13) Frame bushings



Unscrew the top and bottom frame bushings on each side, aligning them against the sides of the wall opening.

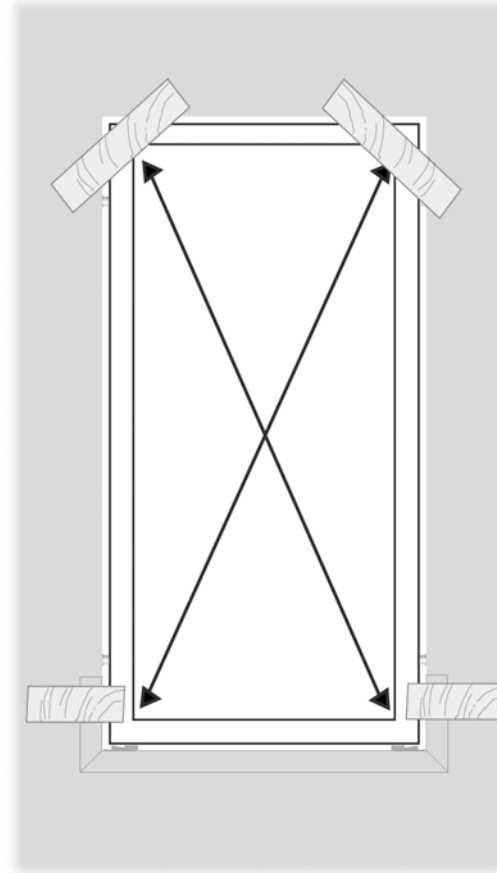
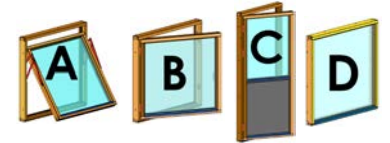
NOTE! Do not use foam sealant or the like.

14) Check and adjust



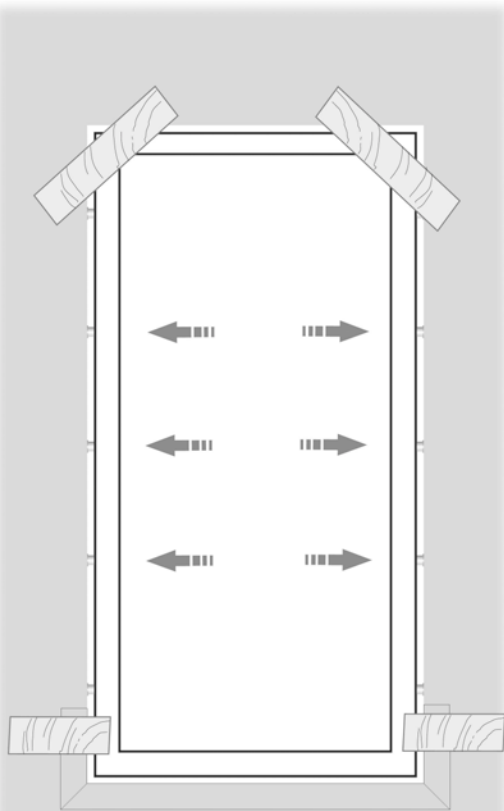
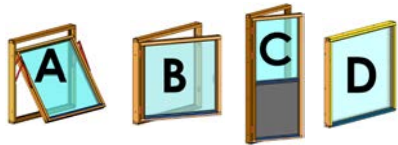
Use a water level to check that all sides of the frame are perfectly straight and do not lean inward or outward. If necessary adjust by undoing the frame bushings, straightening the frame and restoring them again.

15) Adjust diagonal



Using a diagonal ruler, check that the diagonal measurements are identical. If necessary, adjust by screwing the frame bushings in or out, shifting the frame sideways.

16) Frame bushings



Uncrew any remaining frame bushings, aligning them against the sides of the wall opening.

17) Secure the frame



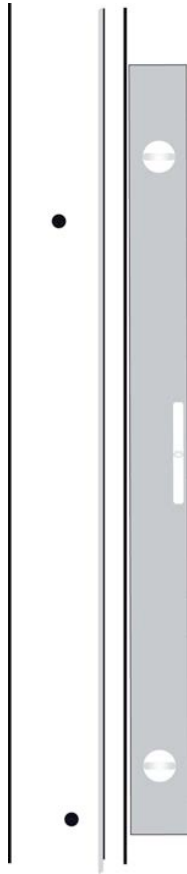
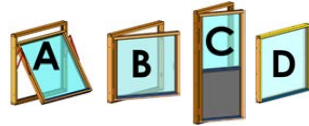
For regular mounting in wood stud:
Wood Screw



For heavy-duty mounting in wood stud:
Wood Screw

Secure the frame to the wall, using Kartro screws or equivalent, approved for installation of windows and doors. NOTE that **all** mounting holes must be used, so do not overlook the additional one at the upper hinge on the patio door (**C**). Use screws intended for the wall material concerned (wood, concrete, steel, etc. see the advice from Kartro). För sensitive situations, e.g. patio doors, use the heavy-duty screw. The screw must always reach at least 45 mm into the wall framework and must satisfy at least Corrosions Class C2, but always consider the position of the building and the use of the construction.

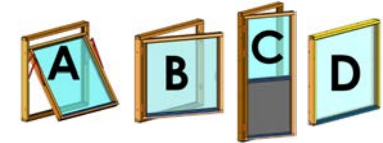
18) Check and adjust



Again use a water level to check that all sides of the frame are straight and do not lean inward or outward. Also check that the centres of the frame sides do not bulge inward. If additional adjustment is needed, first undo the screw and then ease off the frame bushing.

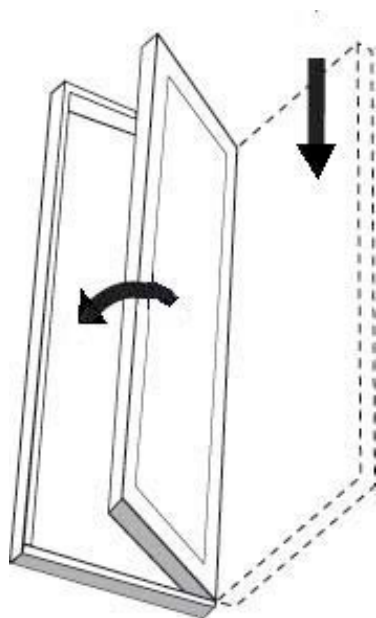
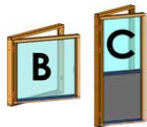
OBS! This adjustment of frame straightness is decisive for its tightness and function.

19) Cover plug



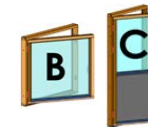
Tighten all screws and put cover plugs on top of the mounting holes.

20) Restore the casement

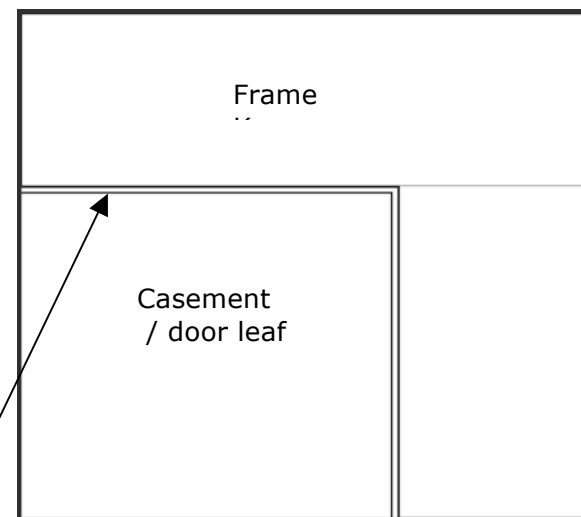


Put back the casement / door leaf in the frame (restoring the window brake, if needed).

21) Adjust gaps



Detail, outside view



Gap between frame and casement/door leaf max. 2.5, min. 1.5 mm

Adjust the position of the casement / door leaf, using the hinge (adjustment methods for different hinge types, see separate instruction). The gap (seen from the outside) between the upper edge of the casement/door leaf and the frame head must be between 1,5 and 2,5 mm.