



Alban Giacomo SpA

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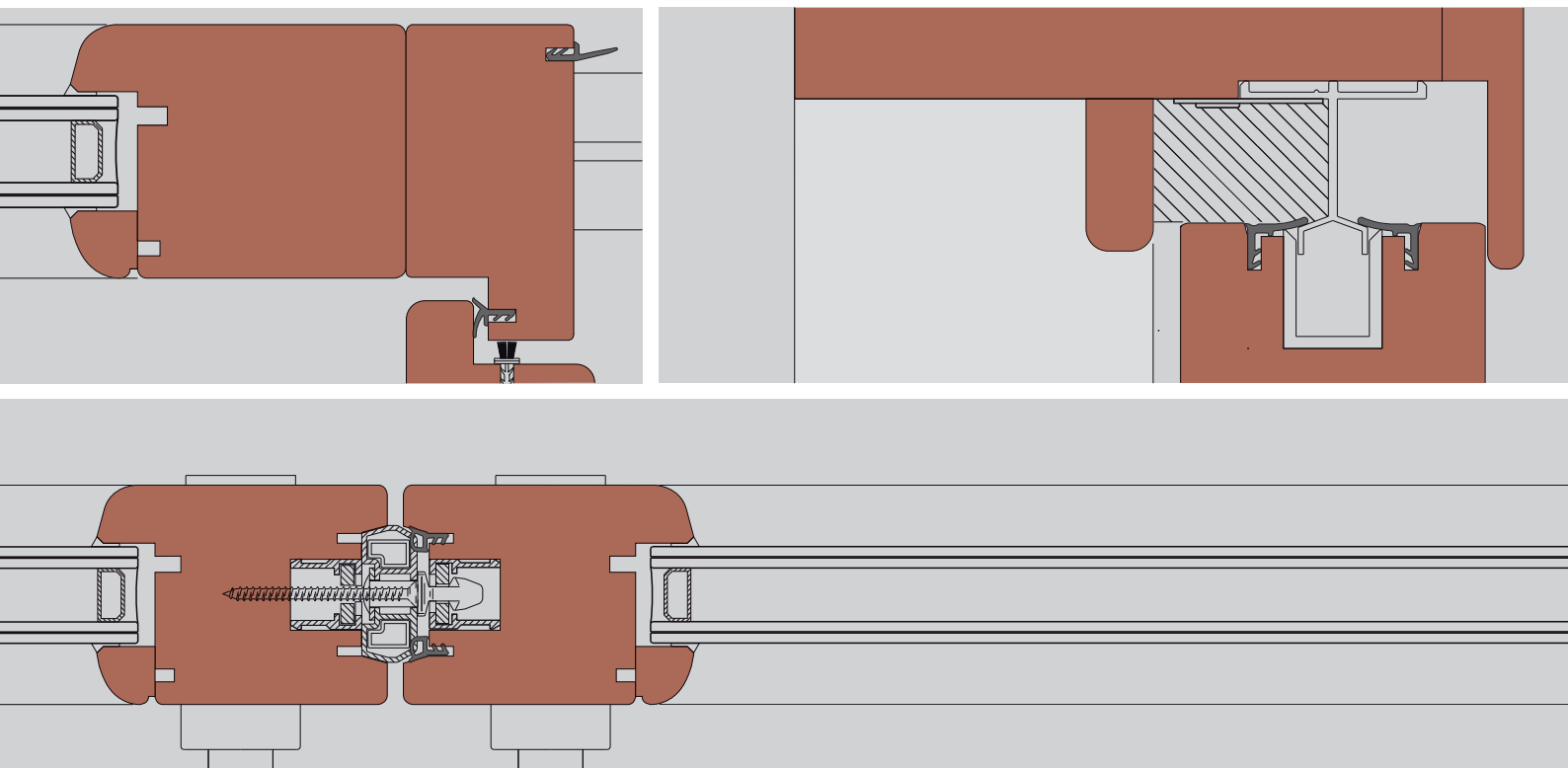
TECHNICAL MANUAL

LIFT & SLIDE

AS vanishing

Scrigno - Incanto

- Lift and Slide on Scrigno vanishing counter frame.
- Sash sections 68x90 mm or greater.
- Sash with only one bottom rail with the possibility for a baseboard.
- Vertical and bottom exterior/interior gasket: balloon type with vulcanized EPDM corner.
- Top gaskets: made of PVC with fin.
- Elaprene vertical gasket for the central point with fin.
- Rear fin gasket.
- Water, air, wind, and soft body impact tests conducted with glass: 33.1/15/33.1 (minimum glass thickness allowed for cascading).
- Symmetric central point of the coaxial sashes with aluminium pin holder and end caps for closing the openings.



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Notice of any new developments regarding accessories, assembly and work on casements shall be provided on an ongoing basis with periodic updates of this manual. We therefore recommend particular attention to publication of new versions via the www.agb.it site







Window and door manufacturers benefitting from the AGB cascading contract are required to install glass with the following minimum requirements:

Minimum thickness 33.1/15/33.1 Shatterproof



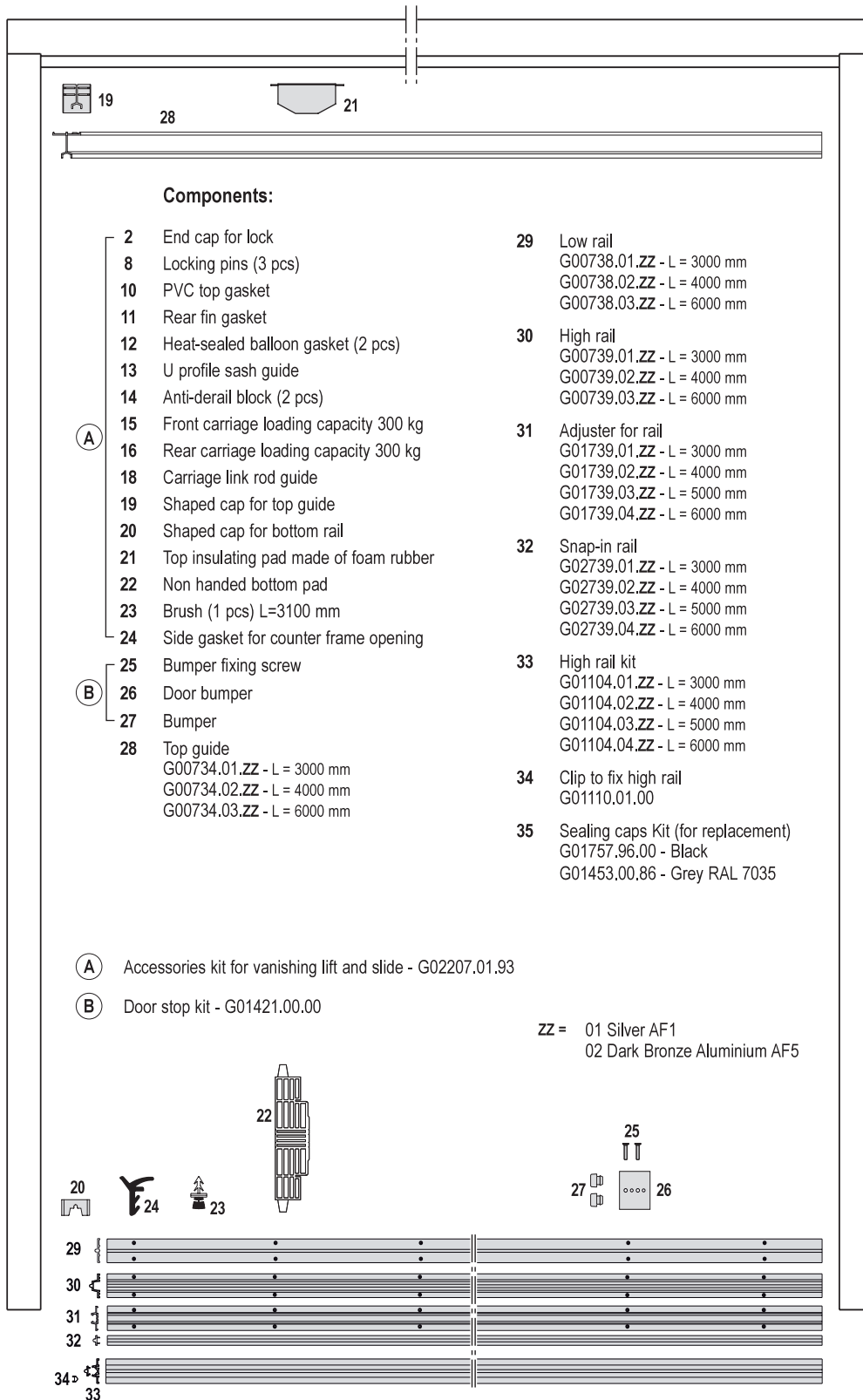
The maximum dimensions of the counter frame may not correspond to the fields of application indicated in the hardware diagram.

Key legend of symbols and abbreviations

-  = Silicone or suitable gasket
-  = Neutral silicone bead with Primer
-  = Polyurethane foam
-  = Polyethylene
- LB** = Door width
- HB** = Sash height
- H** = Architectural height
- L** = Architectural opening
- Li** = Internal opening
- M** = Component size (height/ length)

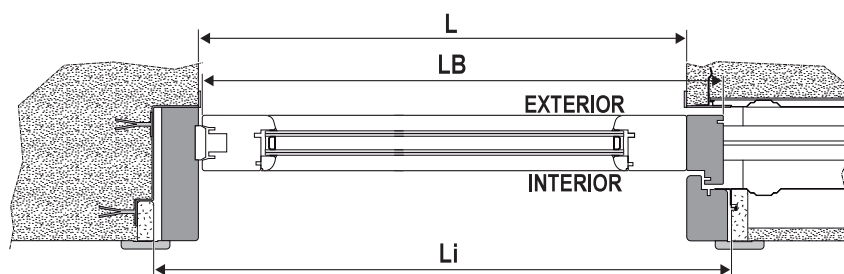
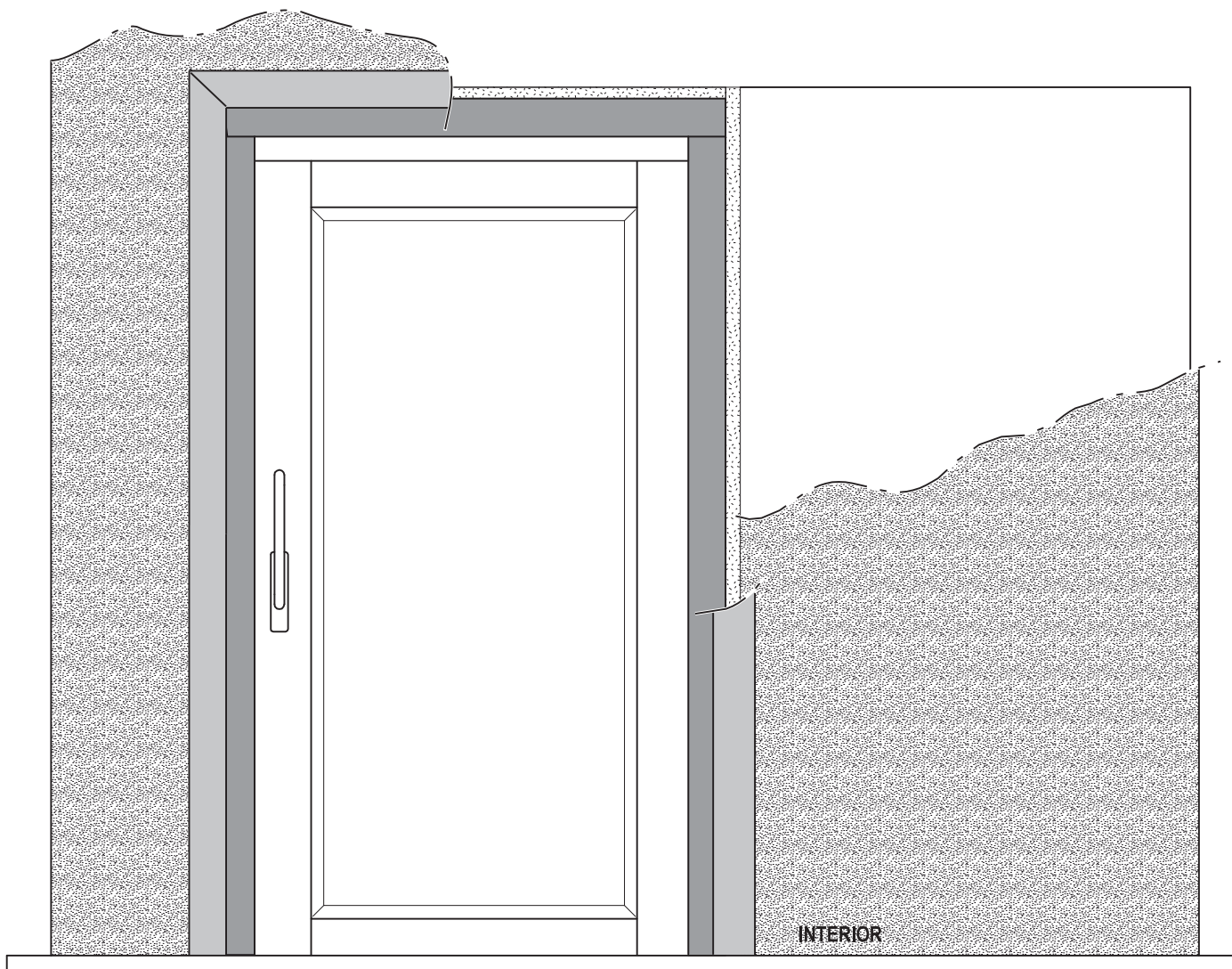
N.B. All measurements are expressed in millimetres

Hardware diagram - Frame



The following screws are required for assembly:
3,5x30mm 3,5x35mm 4,5x35mm 3,5x45mm 4,5x60mm 4,5x65mm

Calculation of the width of single sliding sash - layout A

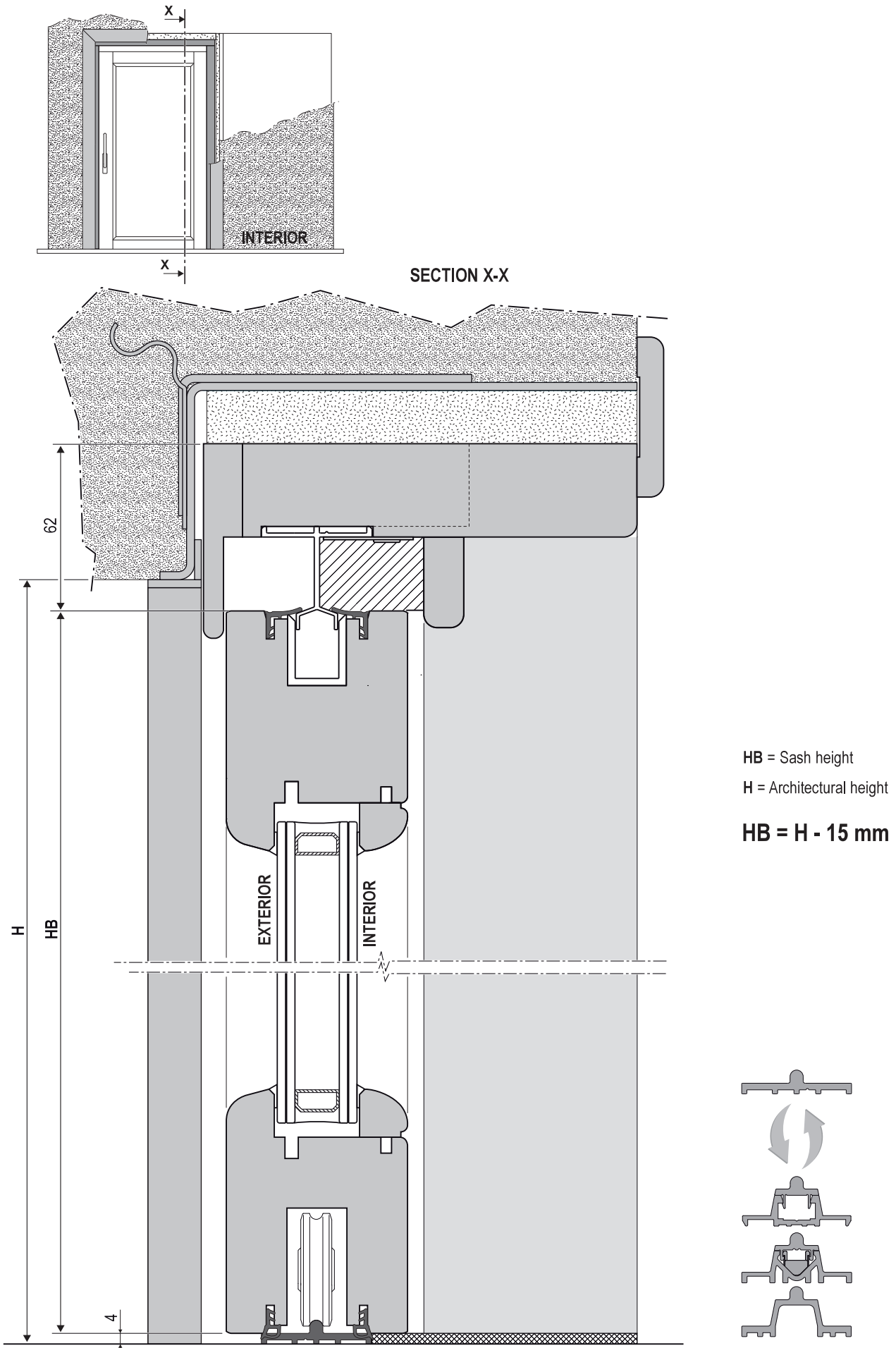


$LB = L + 40 \text{ mm}$
 $Li = L + 110 \text{ mm}$
LB = Sash Width
L = Architectural opening



LB minimum = 690 mm

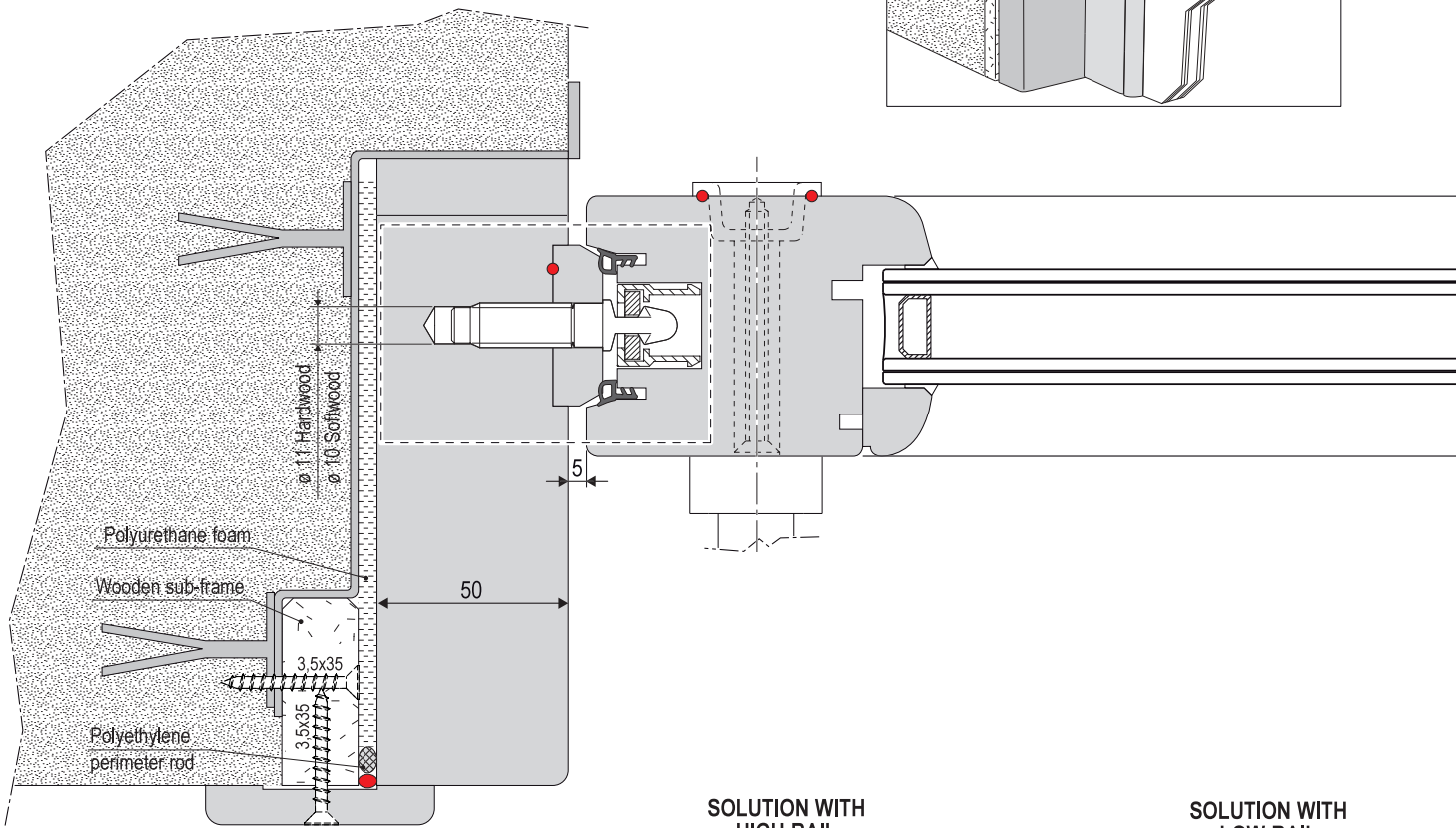
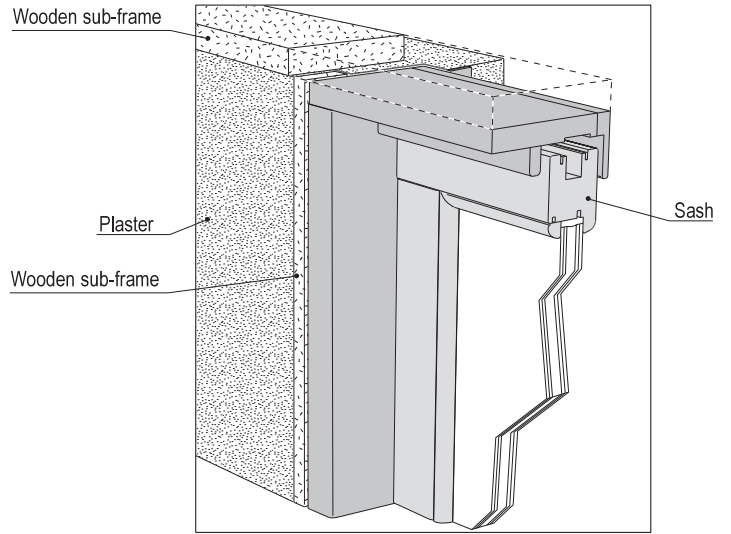
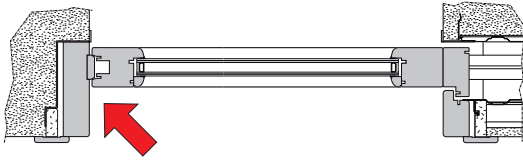
Calculation of sliding sashes height - layouts A and E



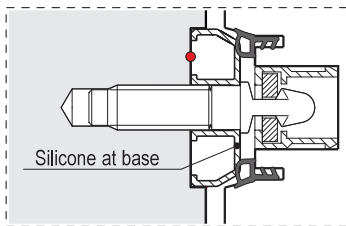
Horizontal section - sliding sash side point

Scale 1:2

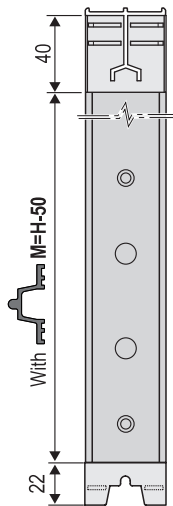
TOP POINT DETAIL



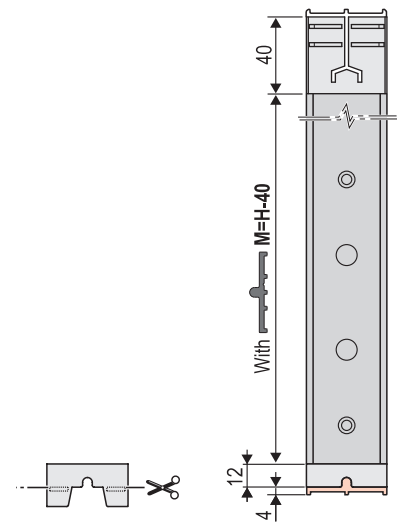
ALTERNATIVE SOLUTION WITH LOCKING PROFILE ALUMINIUM PIN HOLDER



SOLUTION WITH HIGH RAIL



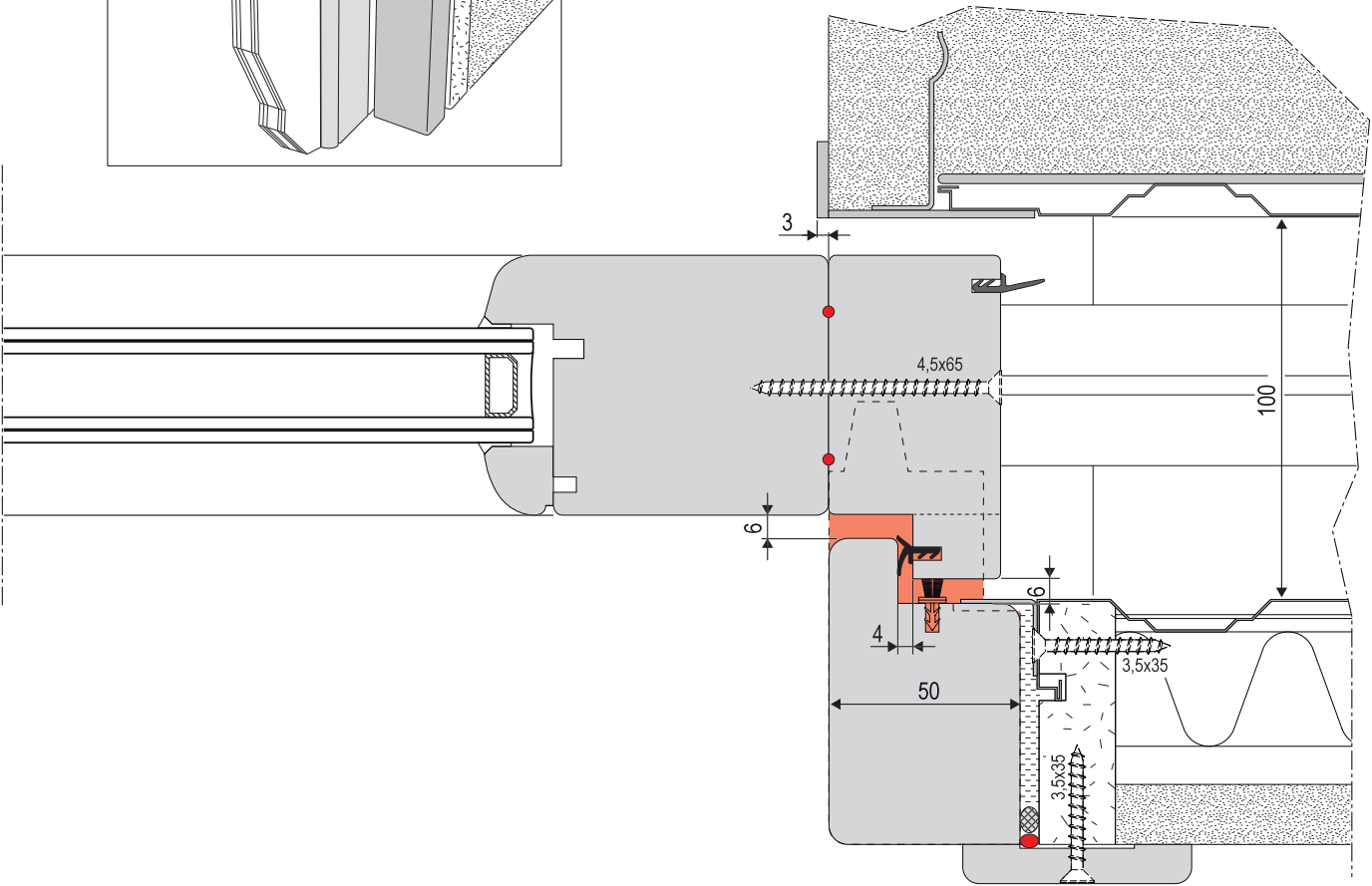
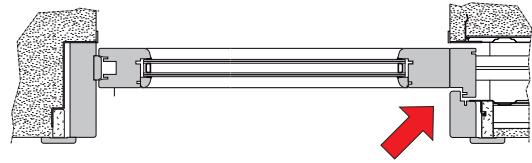
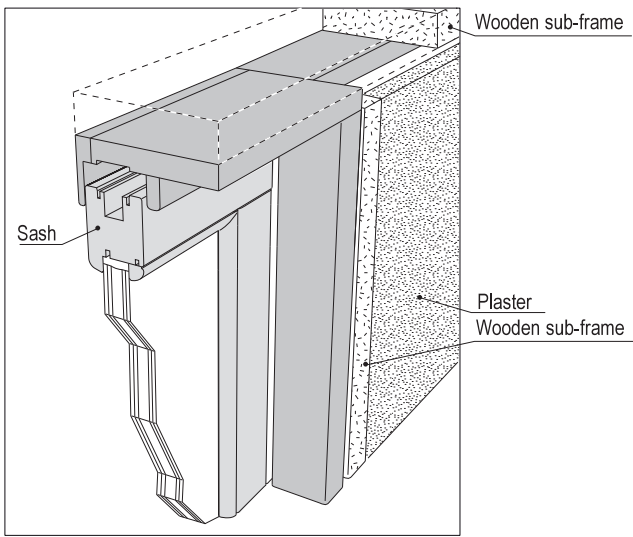
SOLUTION WITH LOW RAIL



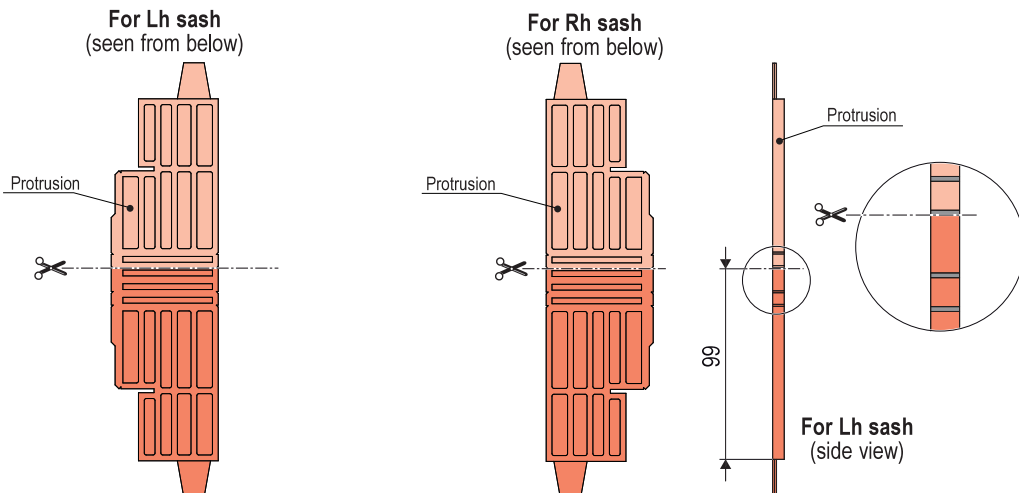
Horizontal section - side point

Scale 1:2

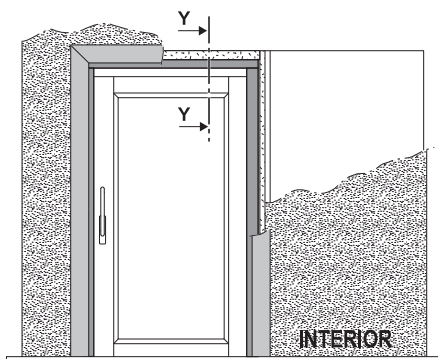
TOP POINT DETAIL



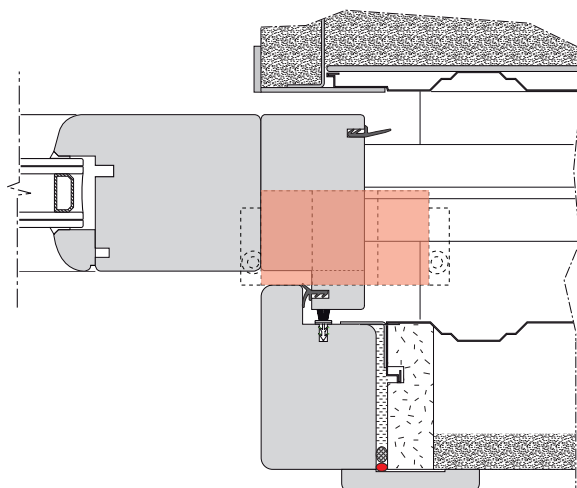
CUT BOTTOM PAD FOR COUNTER FRAME



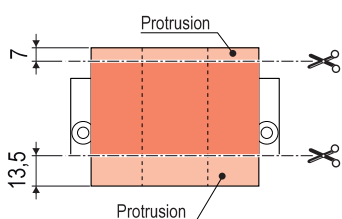
Vertical section - top point



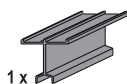
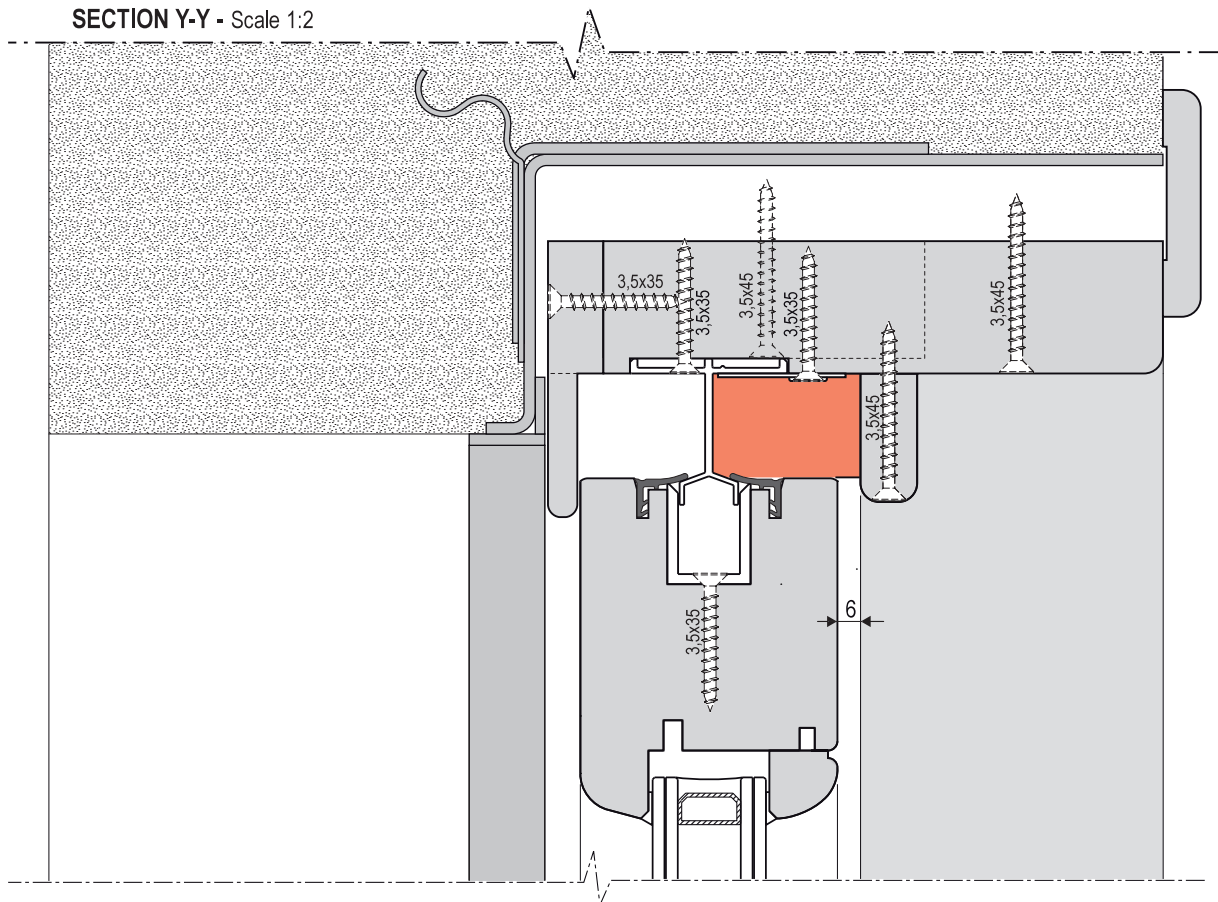
POSITIONING THE TOP INSULATING PAD



CUT TOP INSULATING PAD



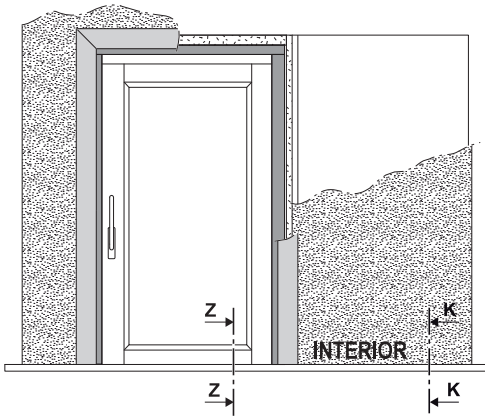
SECTION Y-Y - Scale 1:2



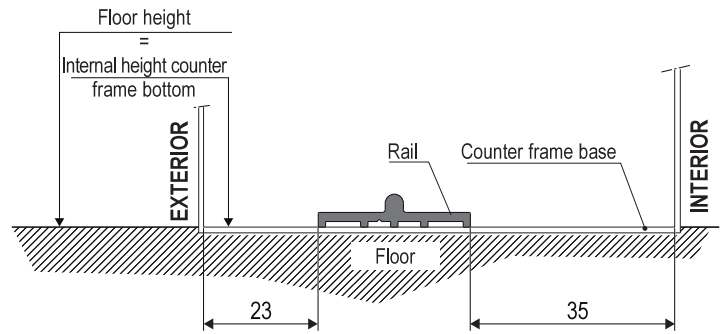
1x

$$M = 2xL+43$$

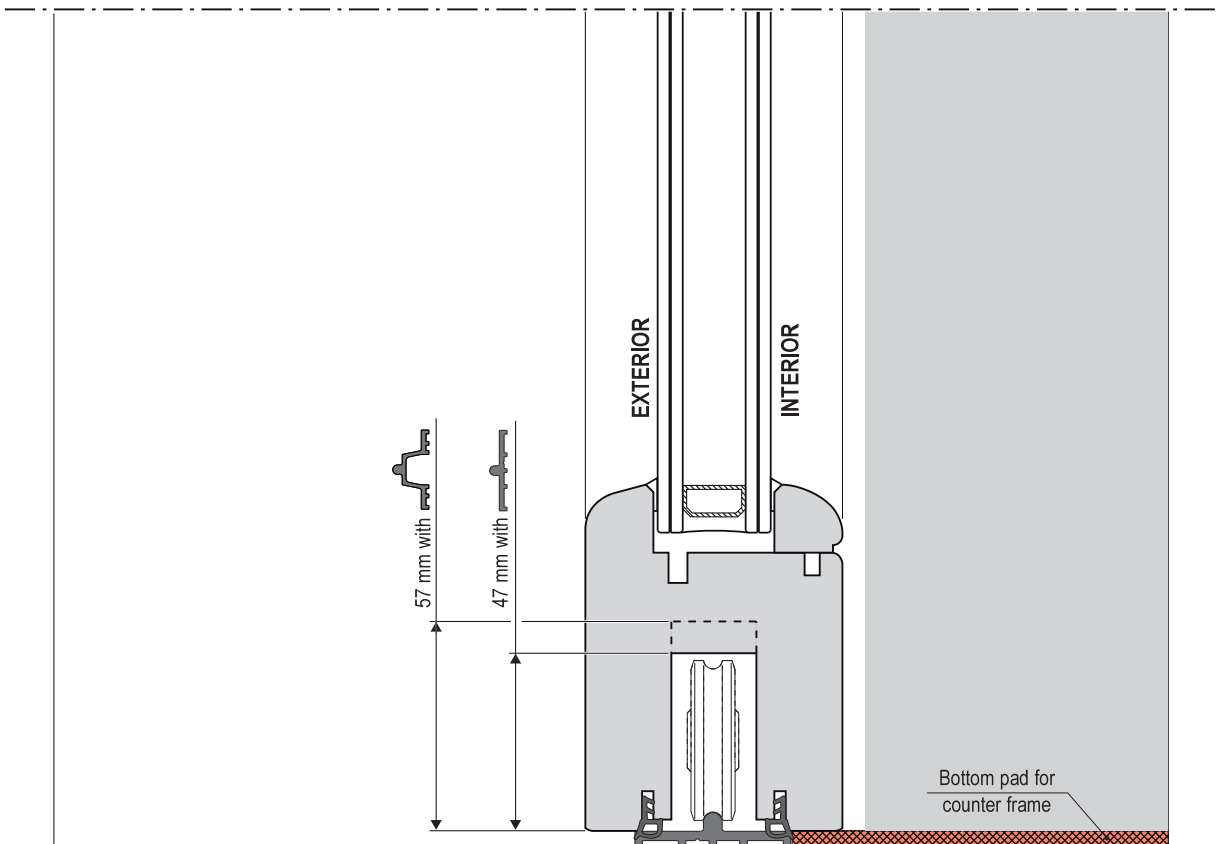
Vertical section - Bottom point



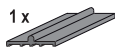
SECTION K-K - Scale 1:2



SECTION Z-Z - Scale 1:2



1x

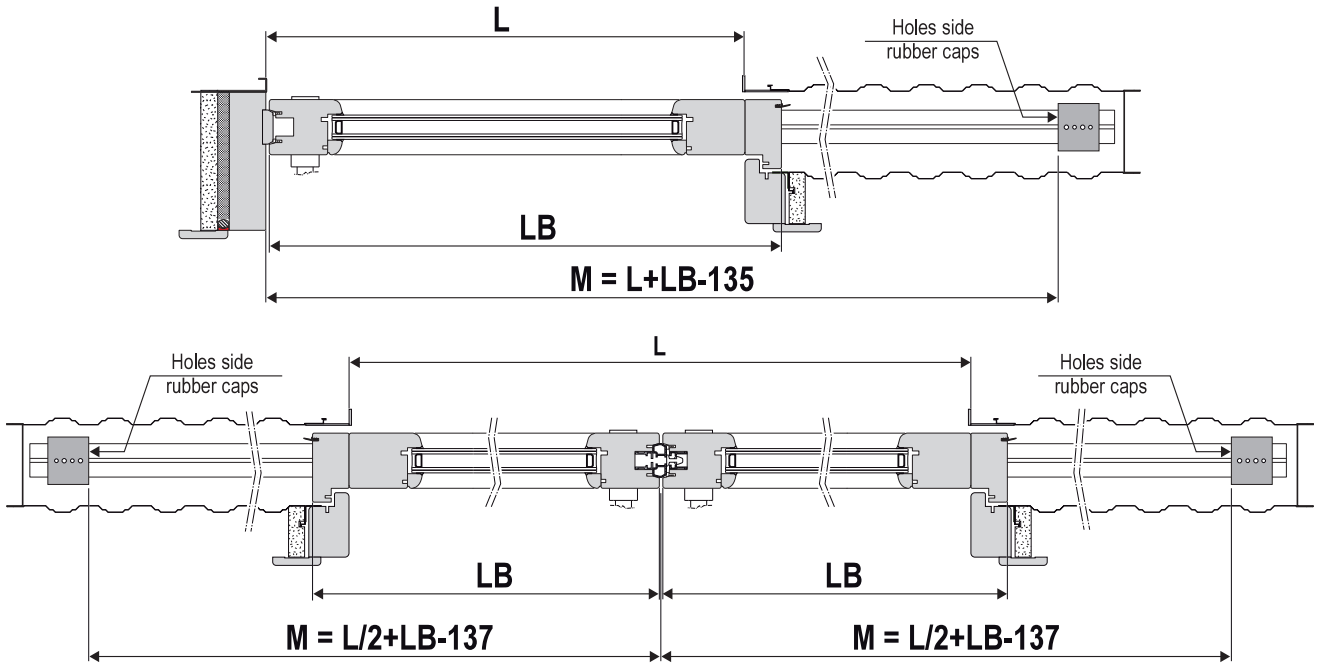


$$M = 2xL + 43$$

Positioning the door stop

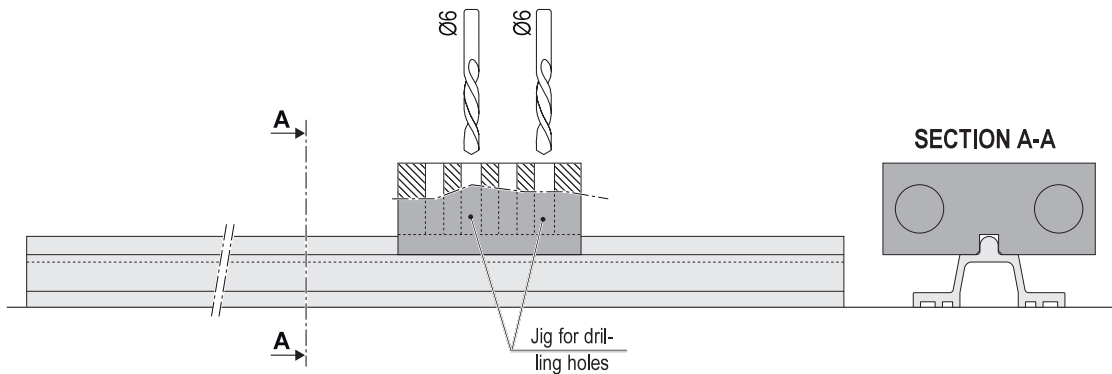
POSITIONING THE BUMPER FOR DRILLING HOLES

Position the bumper at the indicated distance with the rubber washer holes positioned toward the sash (during this step do not install the rubber caps)



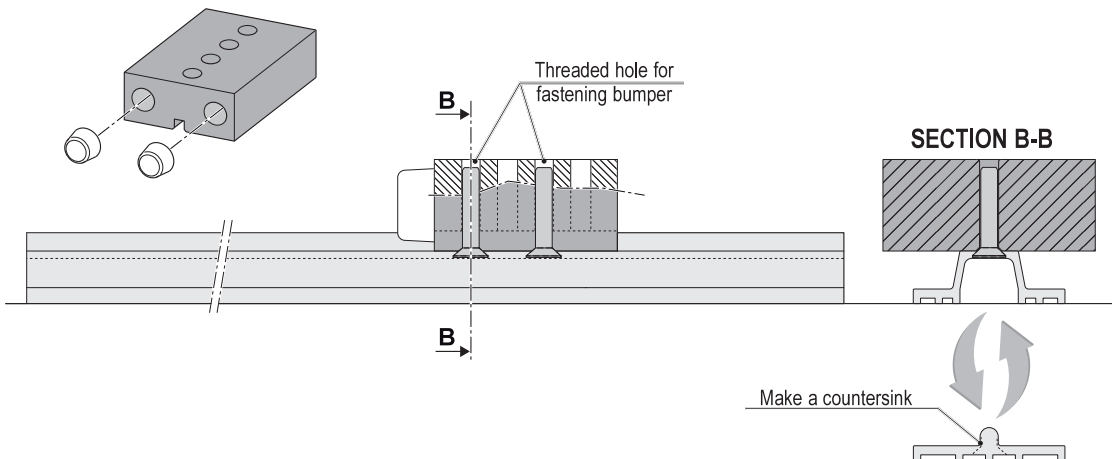
DRILLING RAIL

Drill holes in the rail using the designated holes of the bumper as a jig



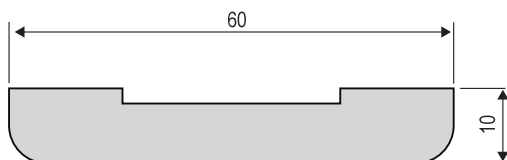
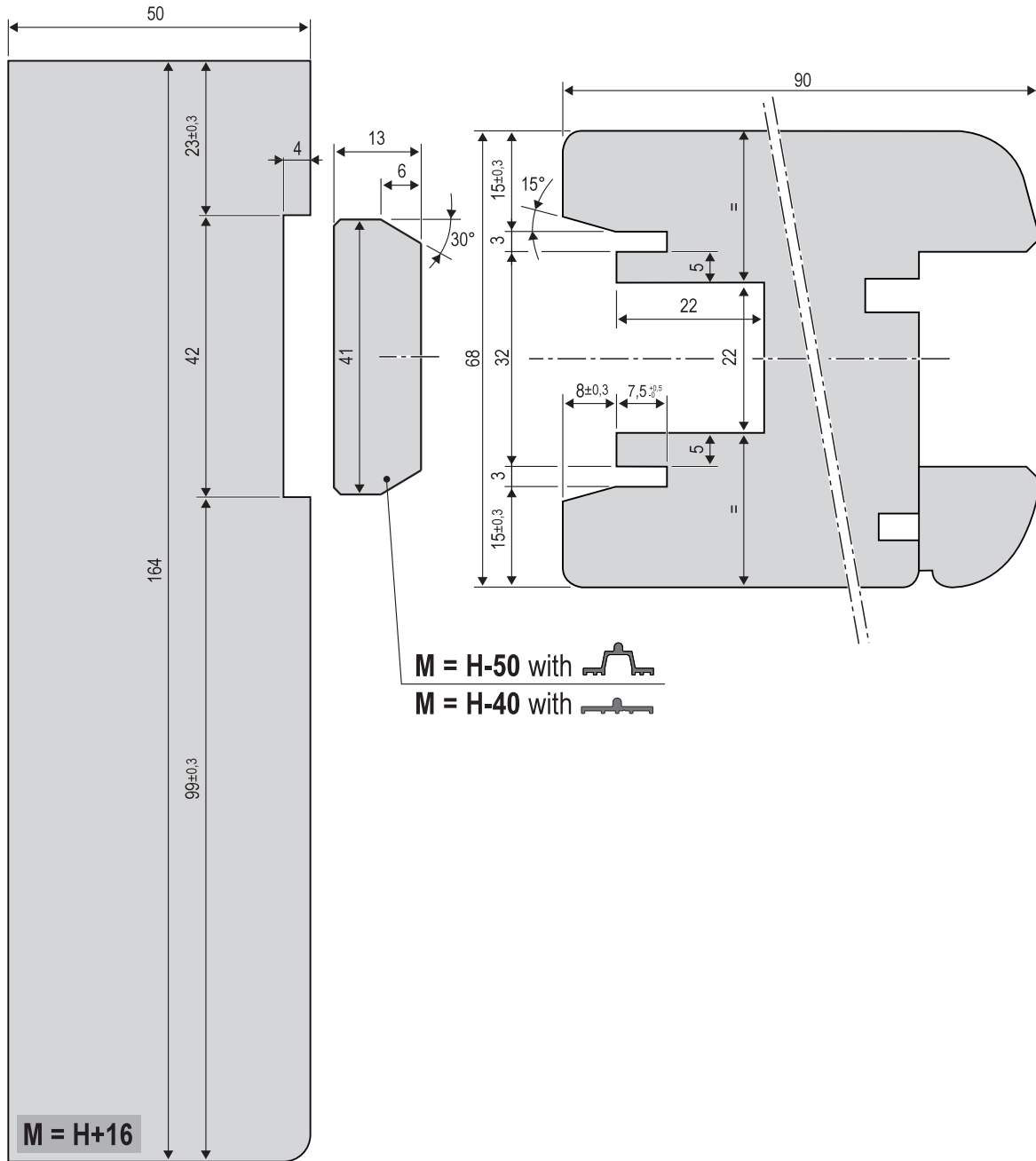
ATTACHING THE BUMPER

Install the rubber caps in the designated seats of the bumper; Secure the bumper using the screws included in the kit.



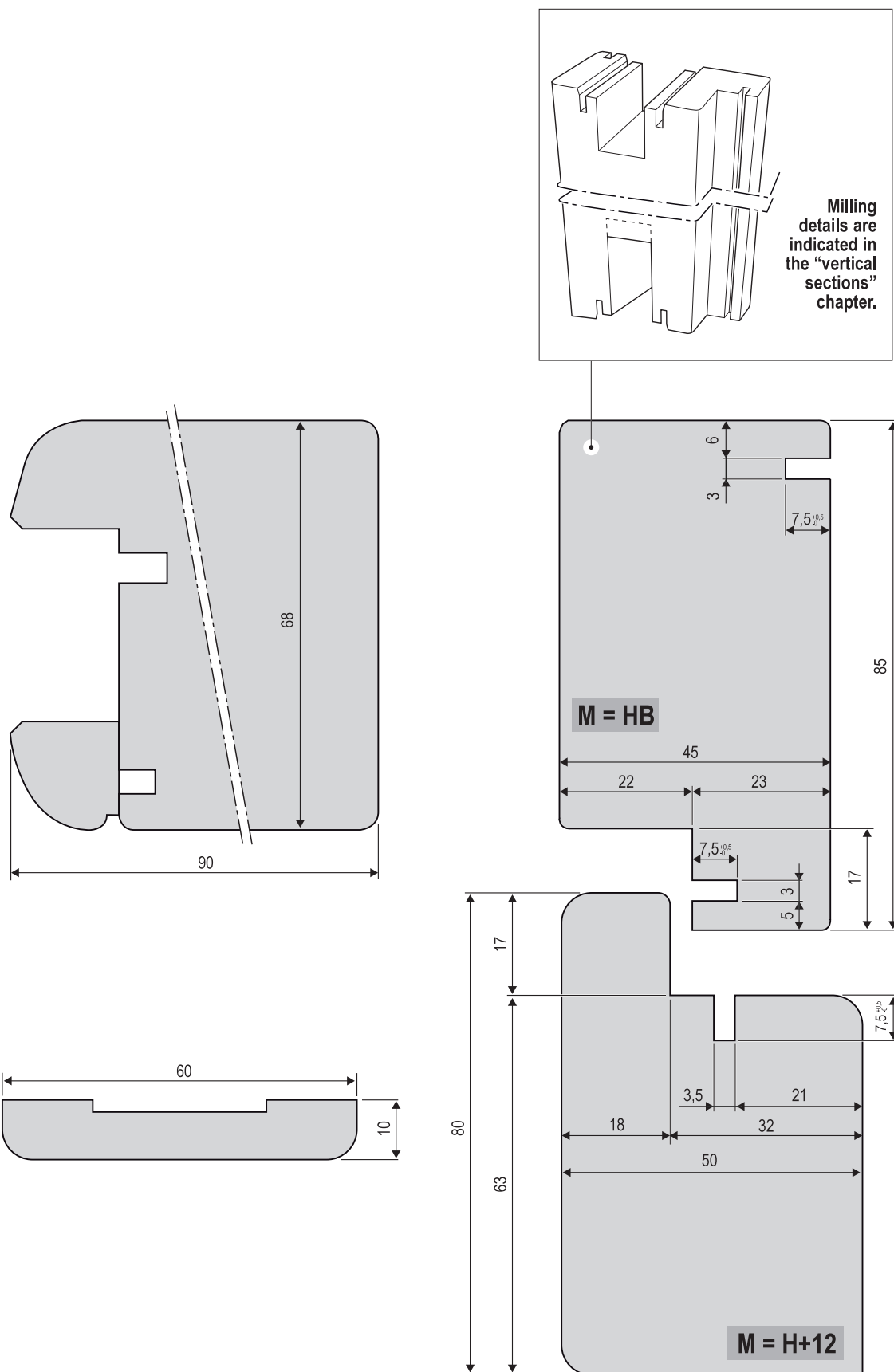
Wood detailing: horizontal section - lock side point

Scale 1:1



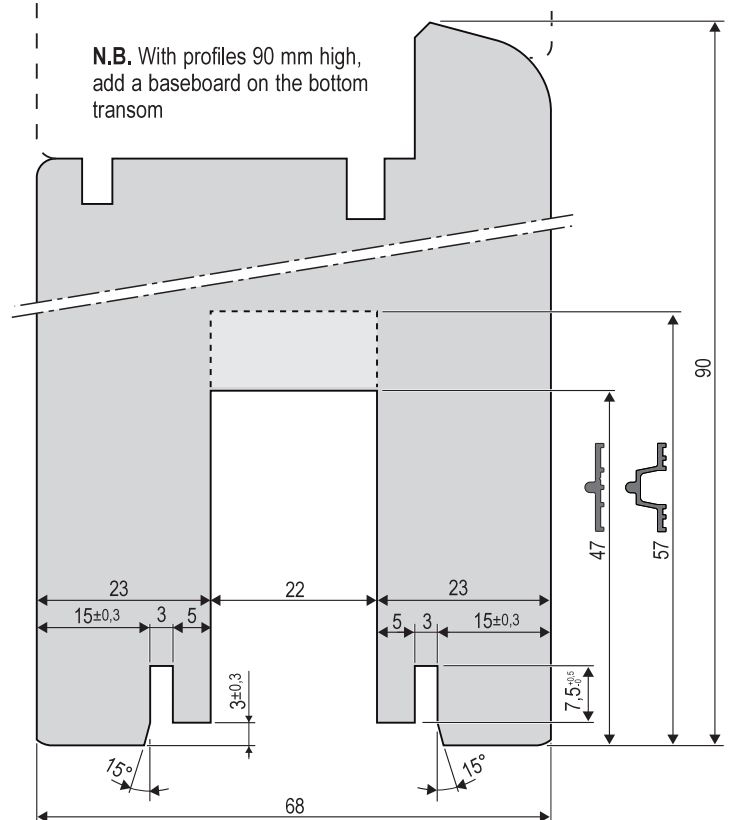
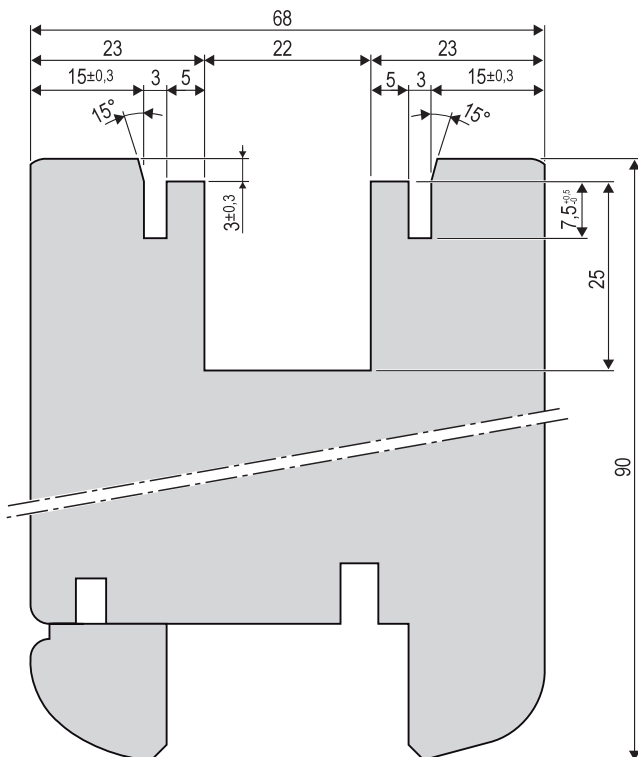
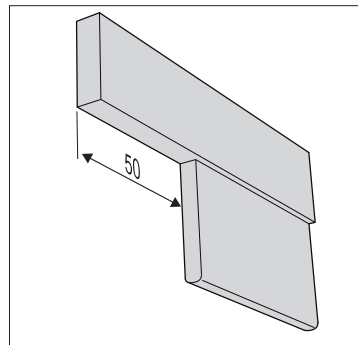
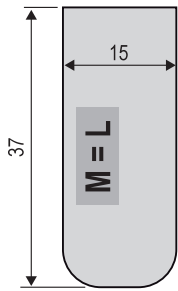
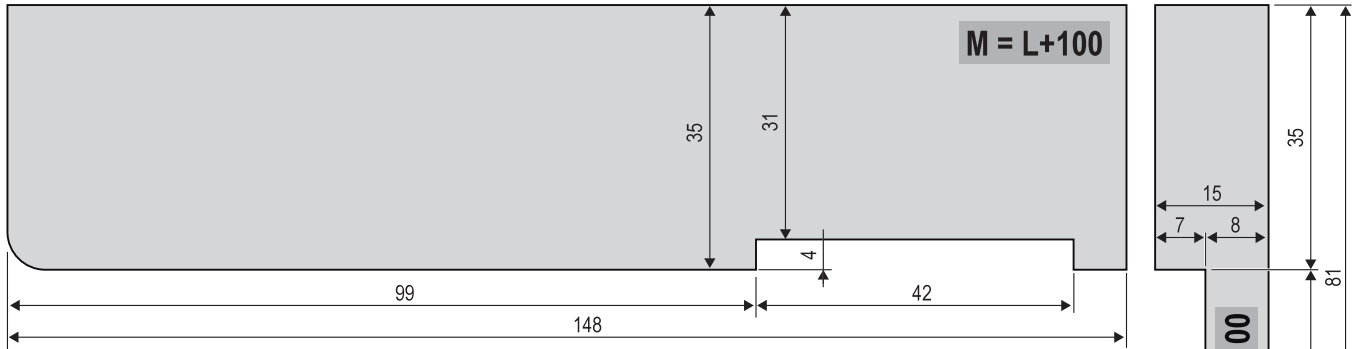
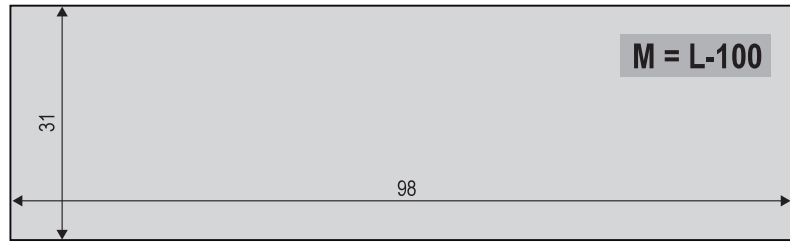
Wood detailing: horizontal section - side point

Scale 1:1

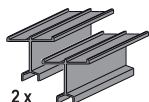
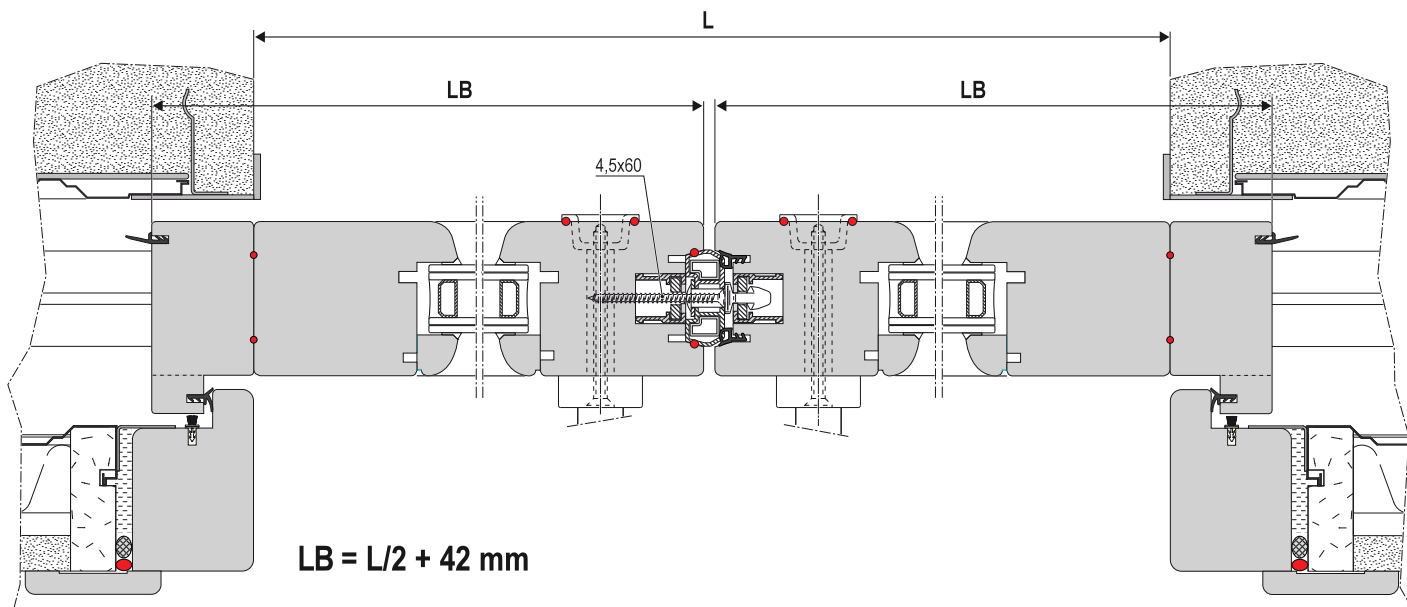


Wood detailing: vertical sections

Scale 1:1



Horizontal section : solution with coaxial sash - layout E



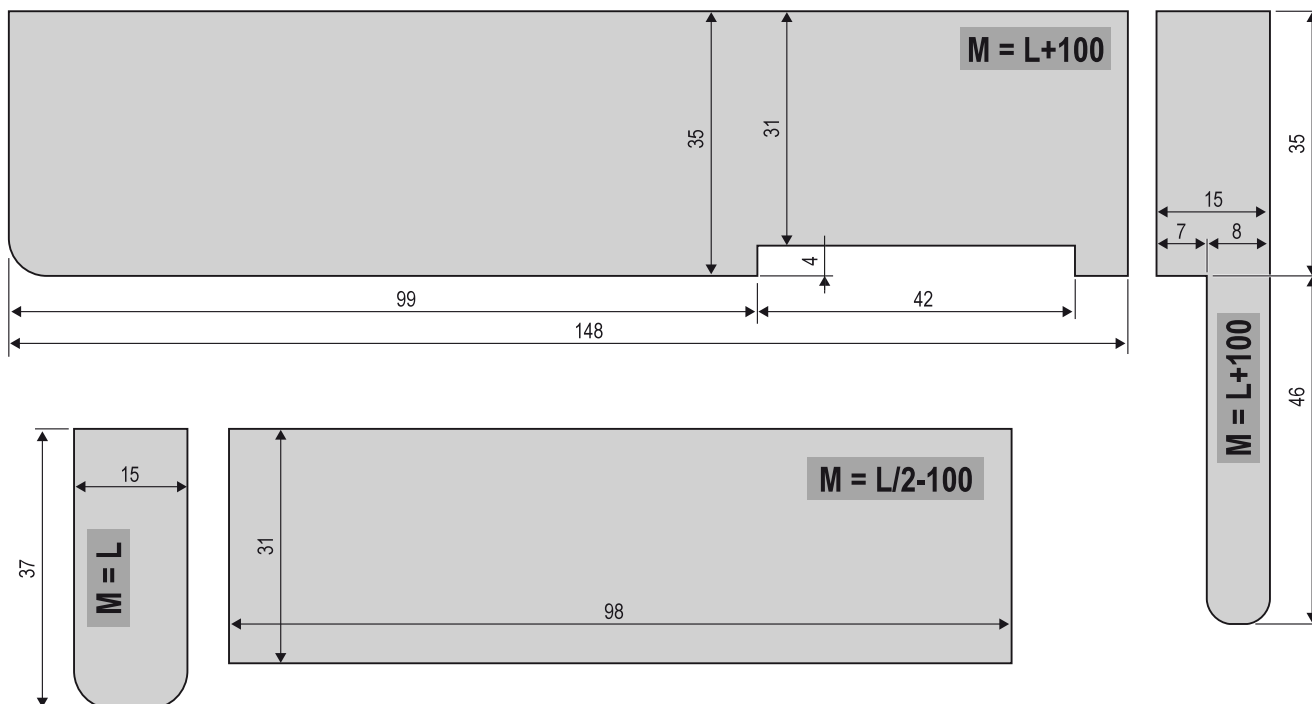
$M = L + 39$



$M = L + 39$

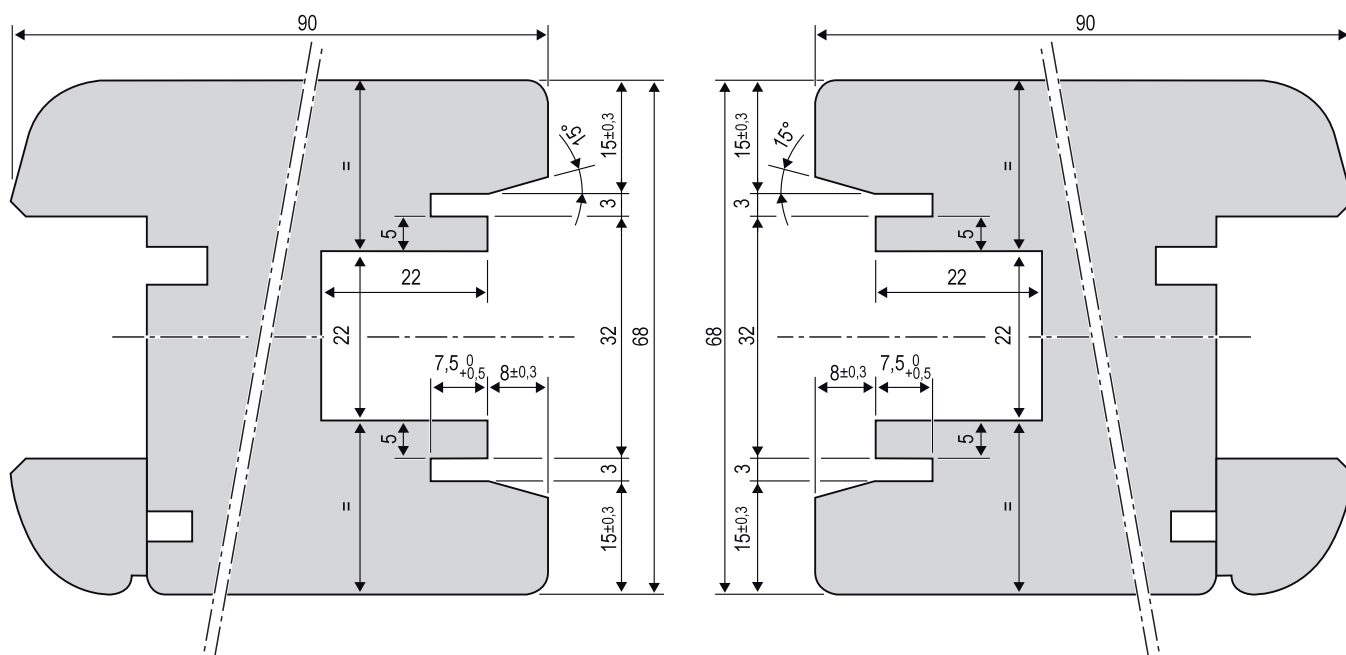
Wood detailing: vertical section - Layout E

Scale 1:1

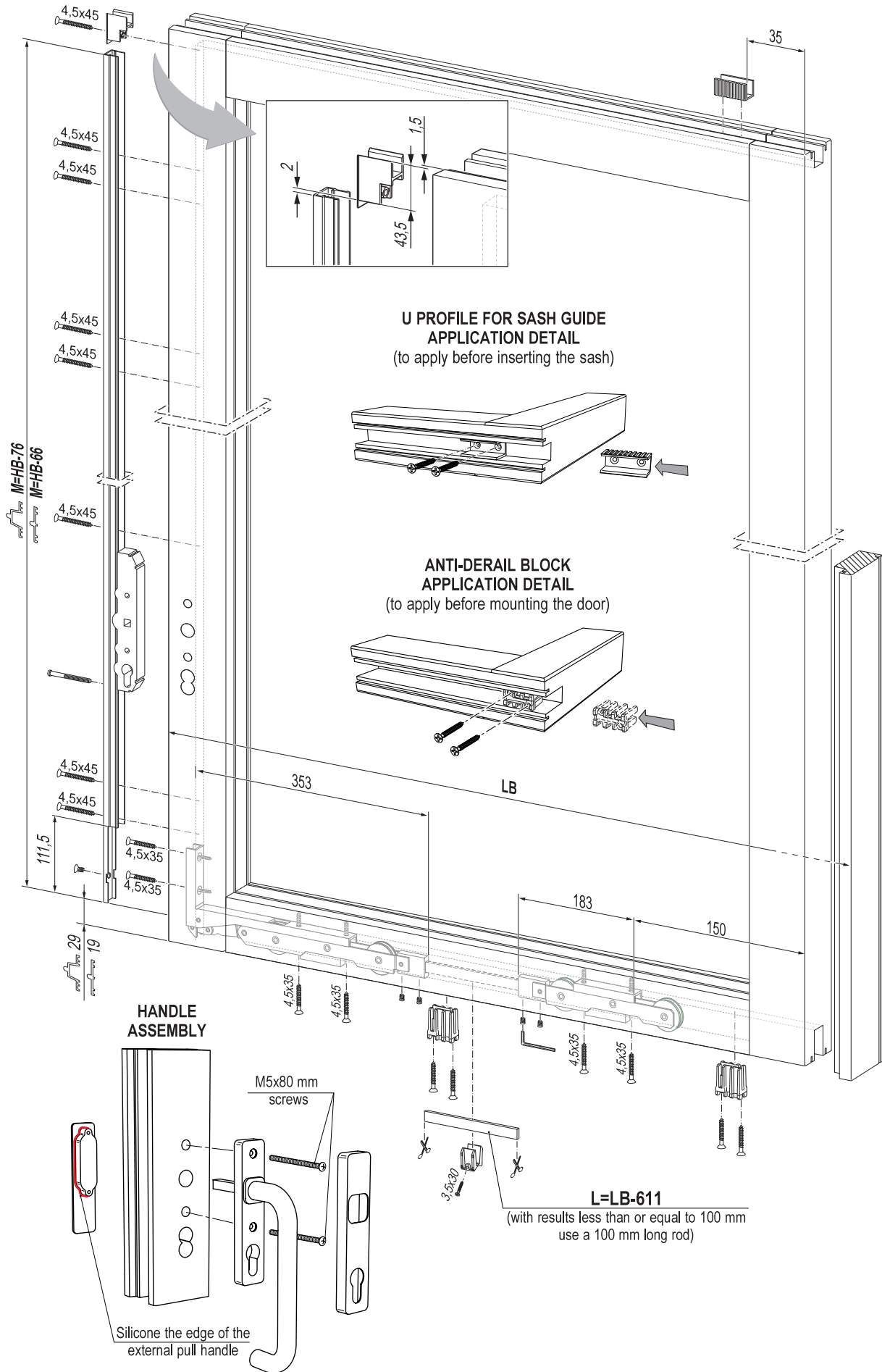


Wood detailing: horizontal section central point - Layout E

Scale 1:1

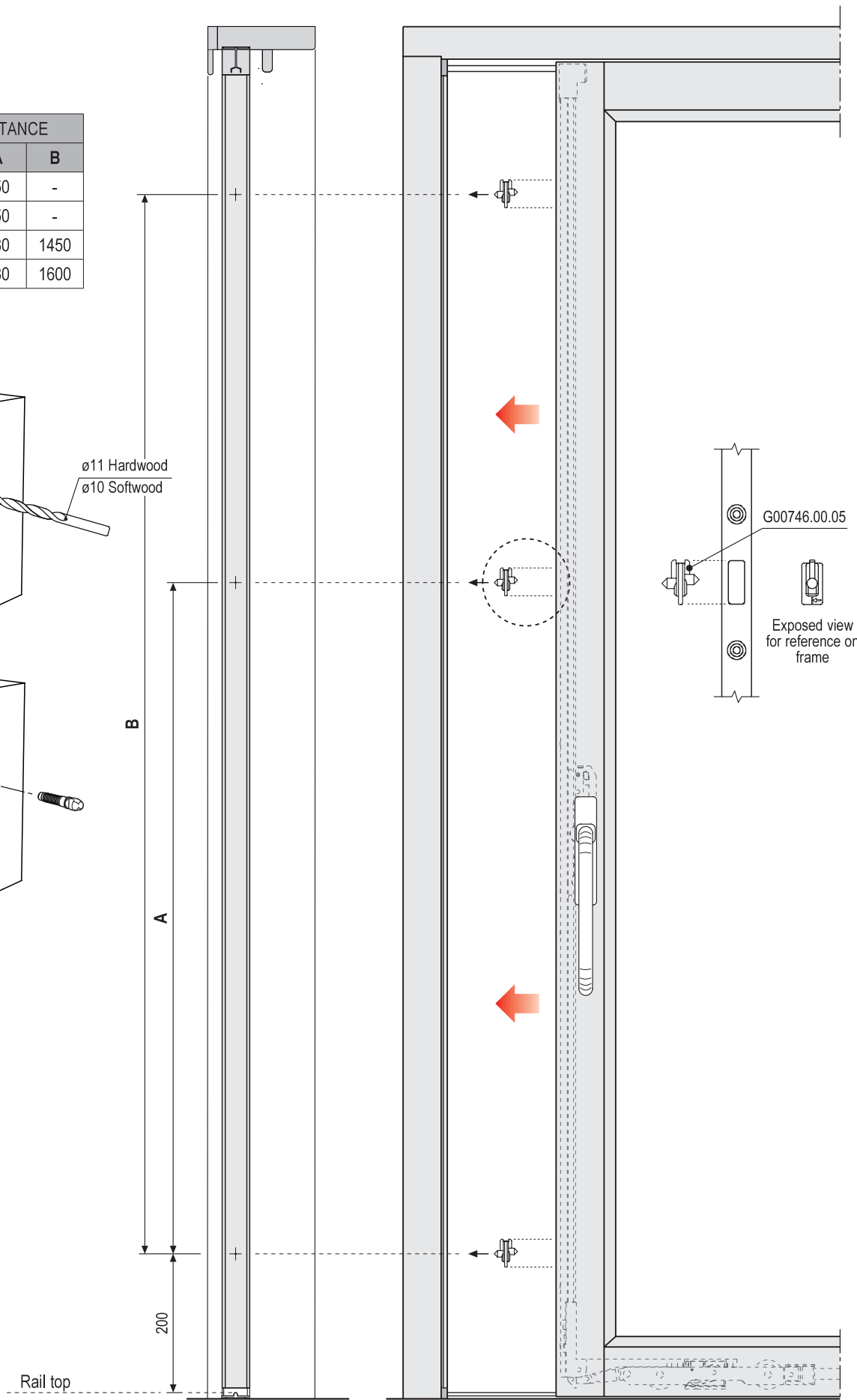
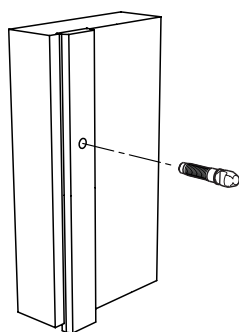
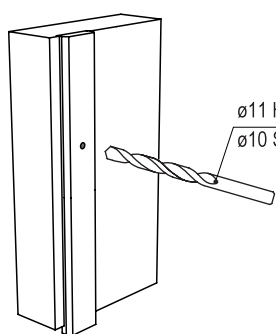


Mounting carriages, lock and accessories

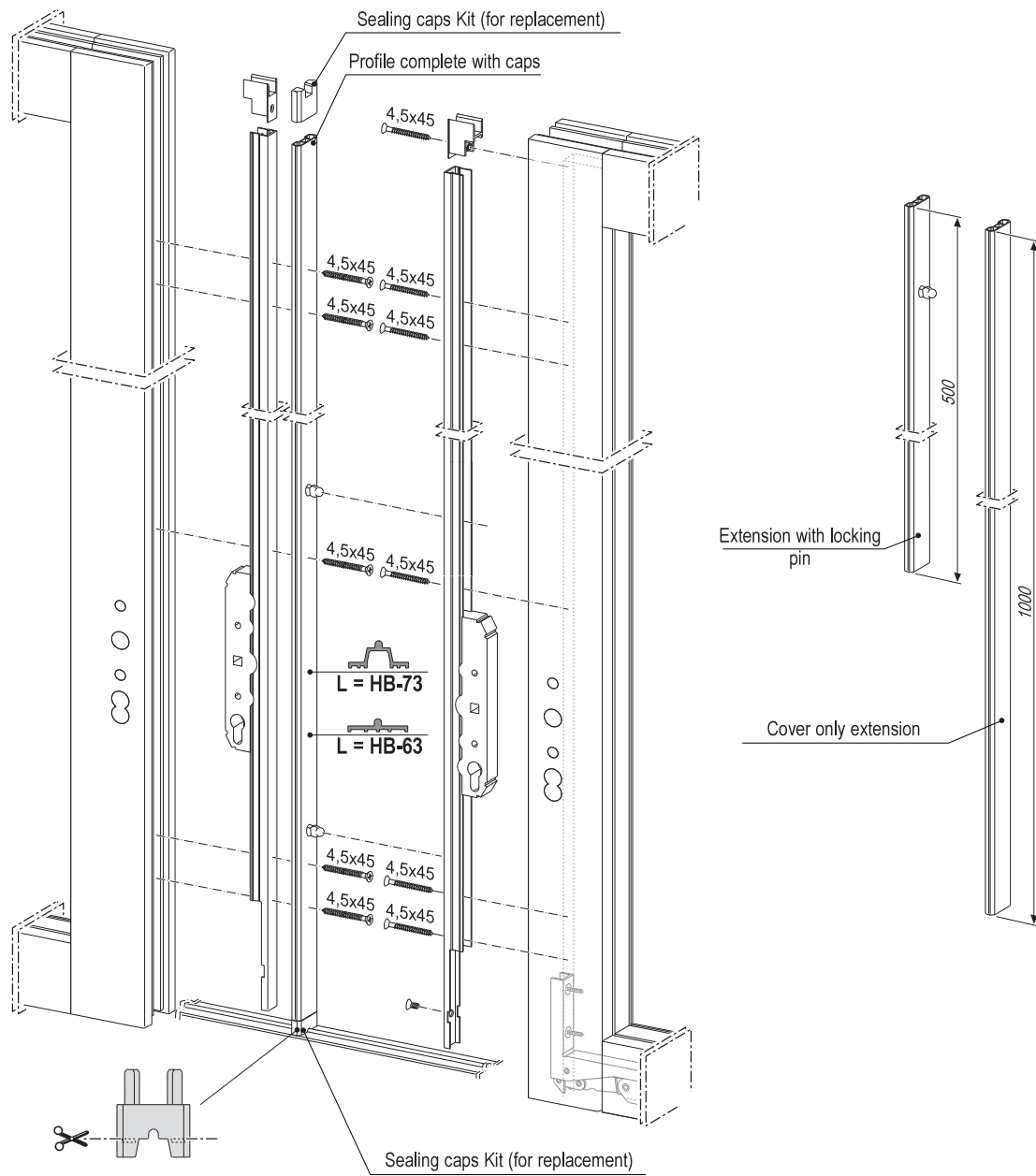


Locking pins assembly

PIN DISTANCE		
GR	A	B
1	450	-
2	850	-
3	980	1450
4	980	1600

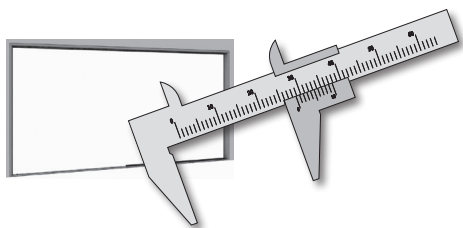


Locking profile for central point with symmetric coaxial sashes detail



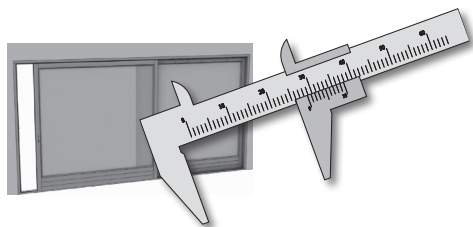


Steps to take for factory process control (FPC)



Sash component measurements and techniques for air-water tightness

- 1 - Measure the length and width of the top rail and the vertical jambs.
- 2 - Check that the width and depth of the milled housing for the aluminium top guide and the wooden listels conform to the instructions included in this technical manual.
- 3 - Verify the width and length of the listels.



Frame component measurements and techniques for air-water tightness

- 1 - Based on the frame measurements, calculate, according to the instructions provided in the technical manual, the measurement of the sashes (LxH) and check that the dimensions of the sash produced correspond to those calculated.
- 2 - Verify the orthogonality (square) of the sashes by measuring the diagonals: it is very important that they are the same for correct operation and closing.
- 3 - Verify that the thickness of the sash is exactly 68 mm.
- 4 - Check that the width of the milled housings for the carriages is 22 mm and make sure that they are exactly in the centreline of the 68 mm thickness.
- 5 - Check the depth of the milled housings for the gaskets, making sure that they are free from dirt and paint, or glue residue.
- 6 - Check the depth and position of the lock hole.
- 7 - Control the coplanarity of the bottom jamb/transom joints of both leaves. Level with stucco if required, in order not to compromise the seal.
- 8 - The double glazing sheets should have silicone applied on both on the rebate support as well as around the outer perimeter.
- 9 - Silicone the inner glazing beads or use specific gaskets.
- 10 - Apply a silicone bead inside the groove for the bottom outer gasket before inserting it.



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