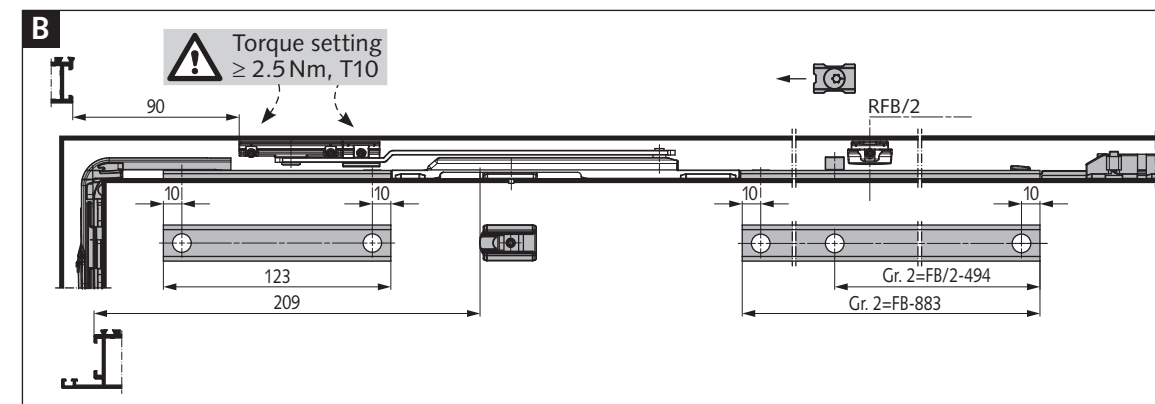
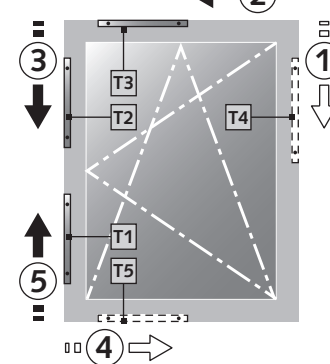


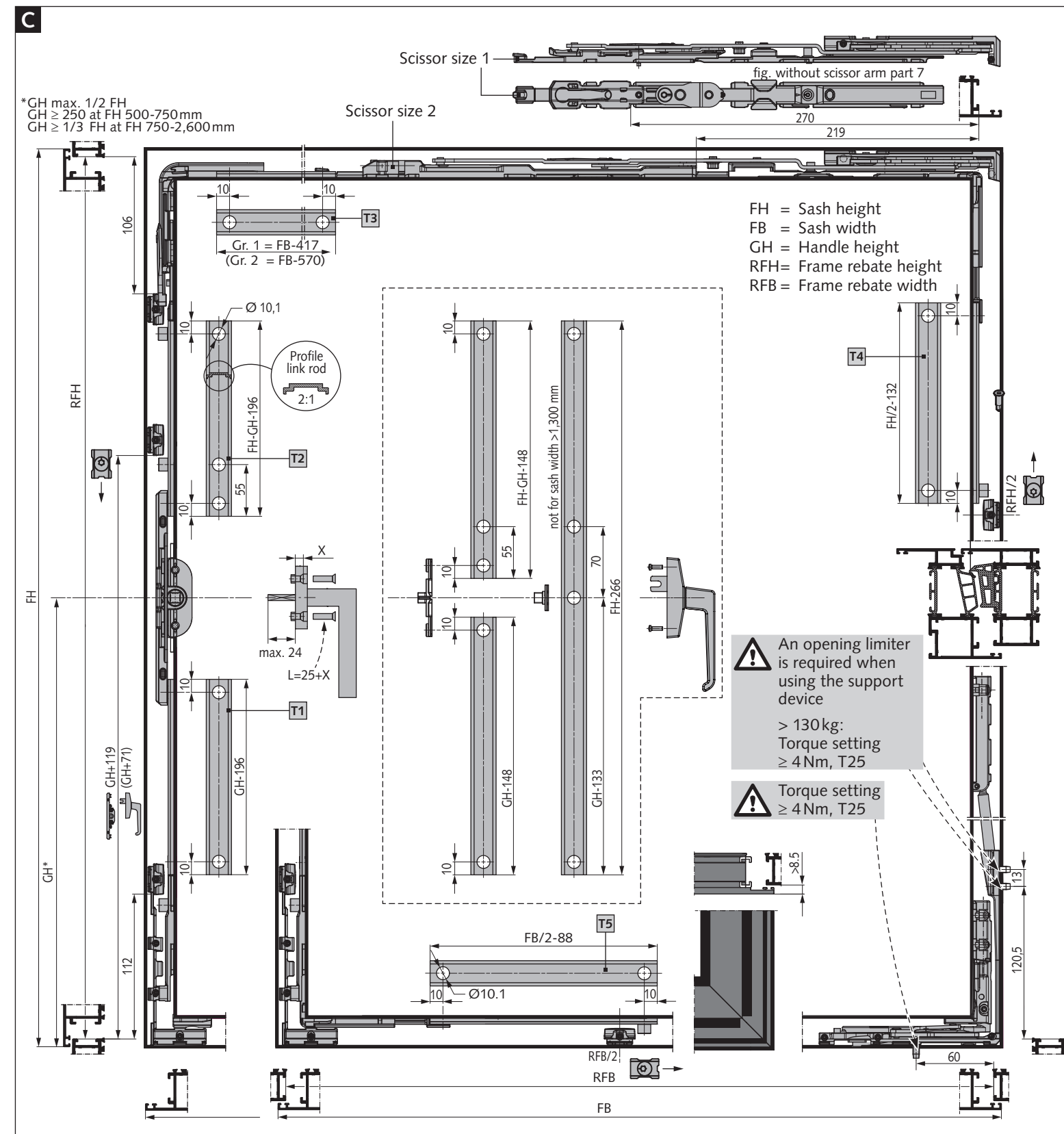
Installation drawing, 2nd scissor (drawing shows DIN right)



Assembly sequence of the link rods



Installation drawing (drawing shows DIN right in tilt position)



D

Assembly Instruction Style 180°: Tilt-Turn Fitting

General information

This assembly instruction is a component of the product. It contains important details on safety, installation and use. This instruction is intended for specialist personnel. Use the product only as described and for the specified areas of application. After installation and function test, this instruction must be handed over to the user or operator. It must be kept for future reference.

Part description (fig. A)

Basic fittings scope of delivery

- 1 Anti-jemmy device Turn-Tilt
- 2 Tilt bearing
- 3 Sash ramp
- 4 Tilt lock bolt tilt-turn
- 5 Striker
- 6 Corner transmission with / without mishandling device
- 7 Scissor arm, Turn-Tilt scissor size 1, frame groove 10-12 or >12-14 mm
- 8 Scissor guide, Turn-Tilt scissor size 1
- 9 Scissor arm, Turn-Tilt scissor size 2, frame groove 10-12 or >12-14 mm
- 10 Scissor guide, Turn-Tilt scissor size 2
- 11 Corner hinge
- 12 Corner bearing, frame groove 10-12 or >12-14 mm
- 13 Special self-tapping screws

Accessories (fig. A)

- 14 Support device >130 kg, complete
- 14.1 Frame block including screws
- 14.2 Support plate

2nd scissor Tilt-Turn

- 21.1 Scissor stop
- 21.2 Scissor guide
- 21.3 Scissor arm
- 21.4 Scissor holder

Centre locking, horizontal or vertical:

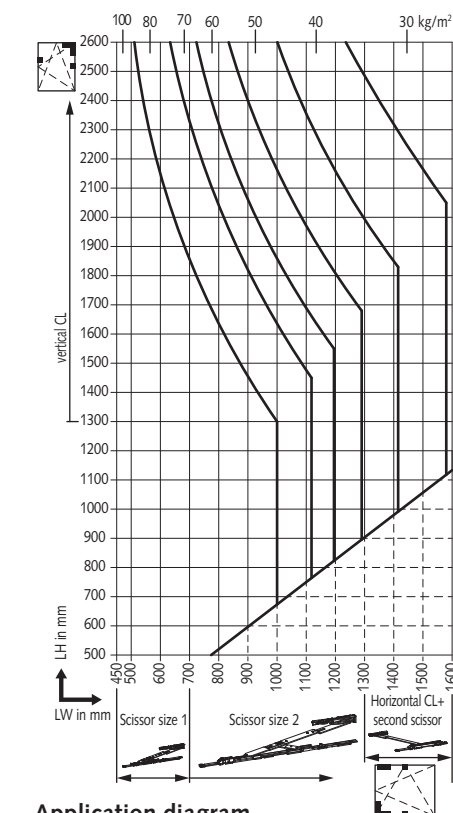
- 22.1 Corner transmission centre locking
- 22.2 Locking point, 2x
- 22.3 Striker, 2x

Gear handles:

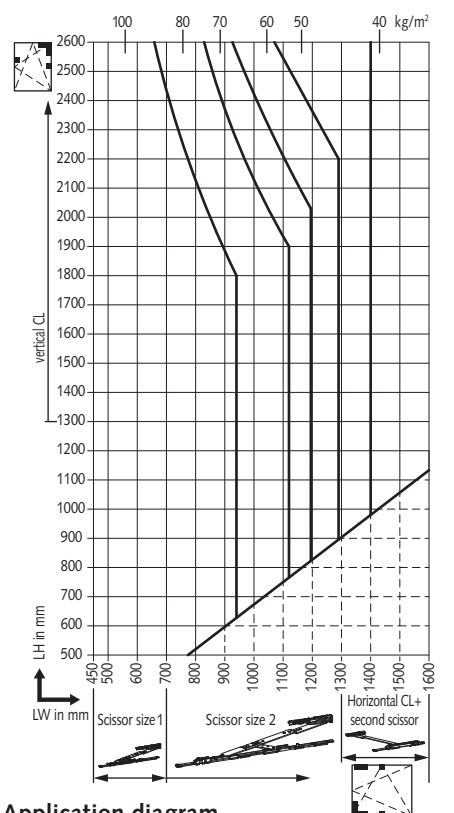
- 23 Concealed gear with or without mishandling device
- 24.1 Gear handle tilt-turn, lockable
- 24.2 Drive connector, one piece, including screws
- 24.3 Drive connector, separable, including screws

Third-party parts (fig. B and C)

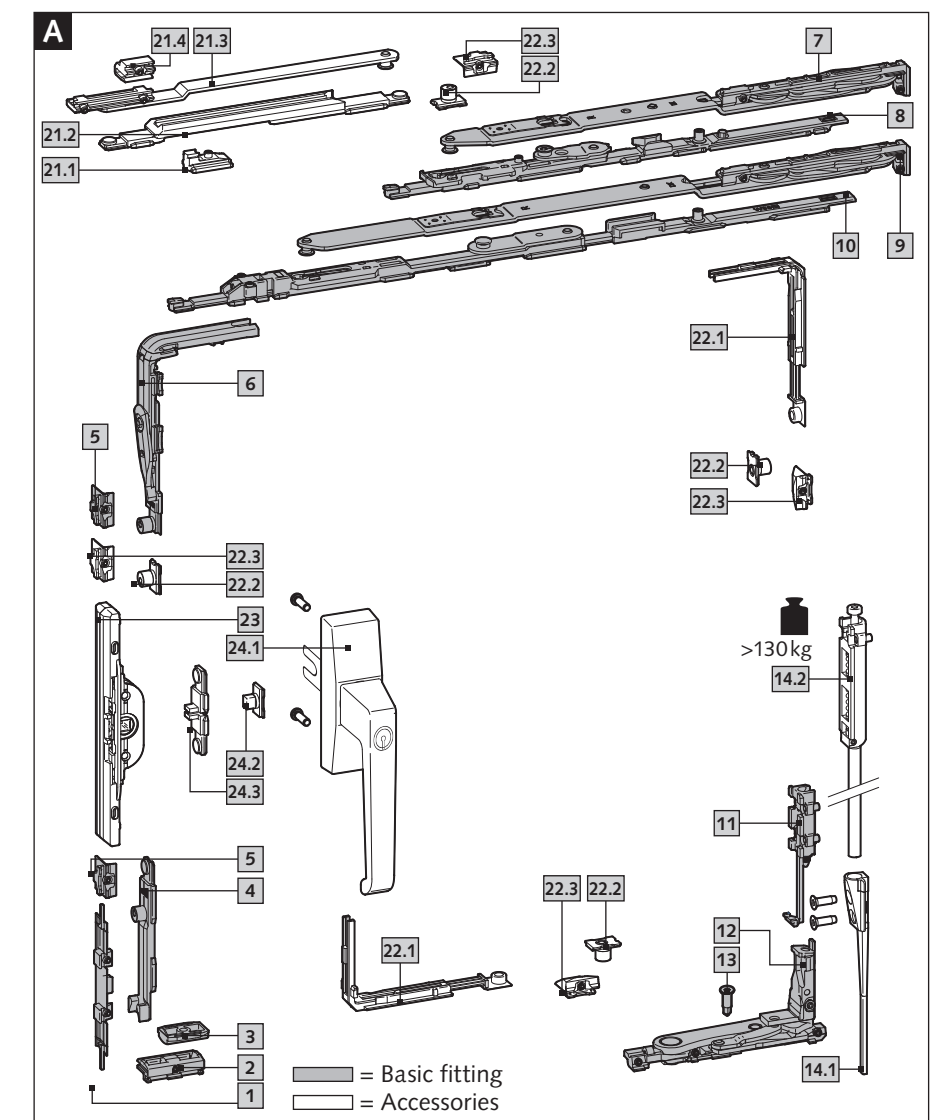
- T1-T5 Link rods



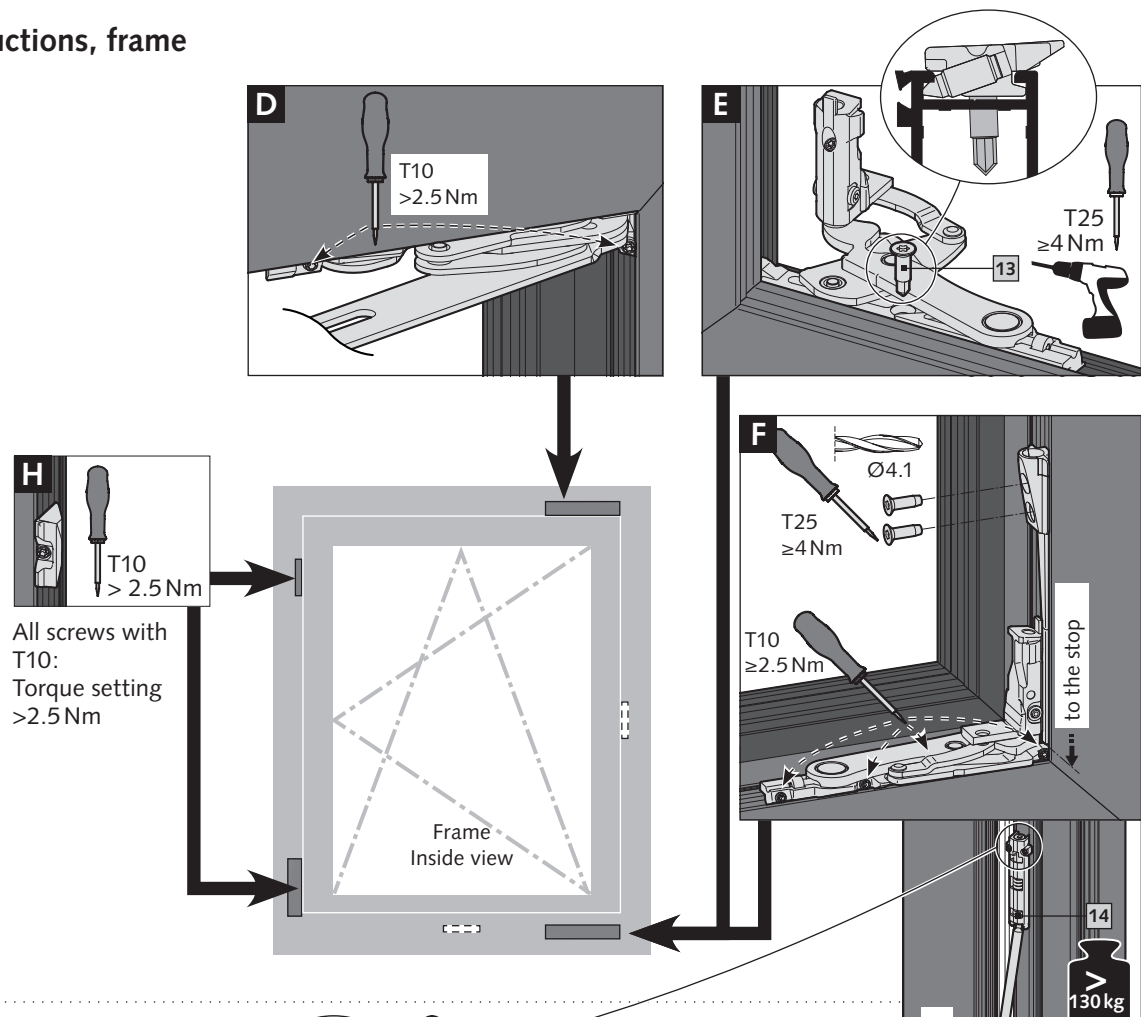
Application diagram
up to 130 kg



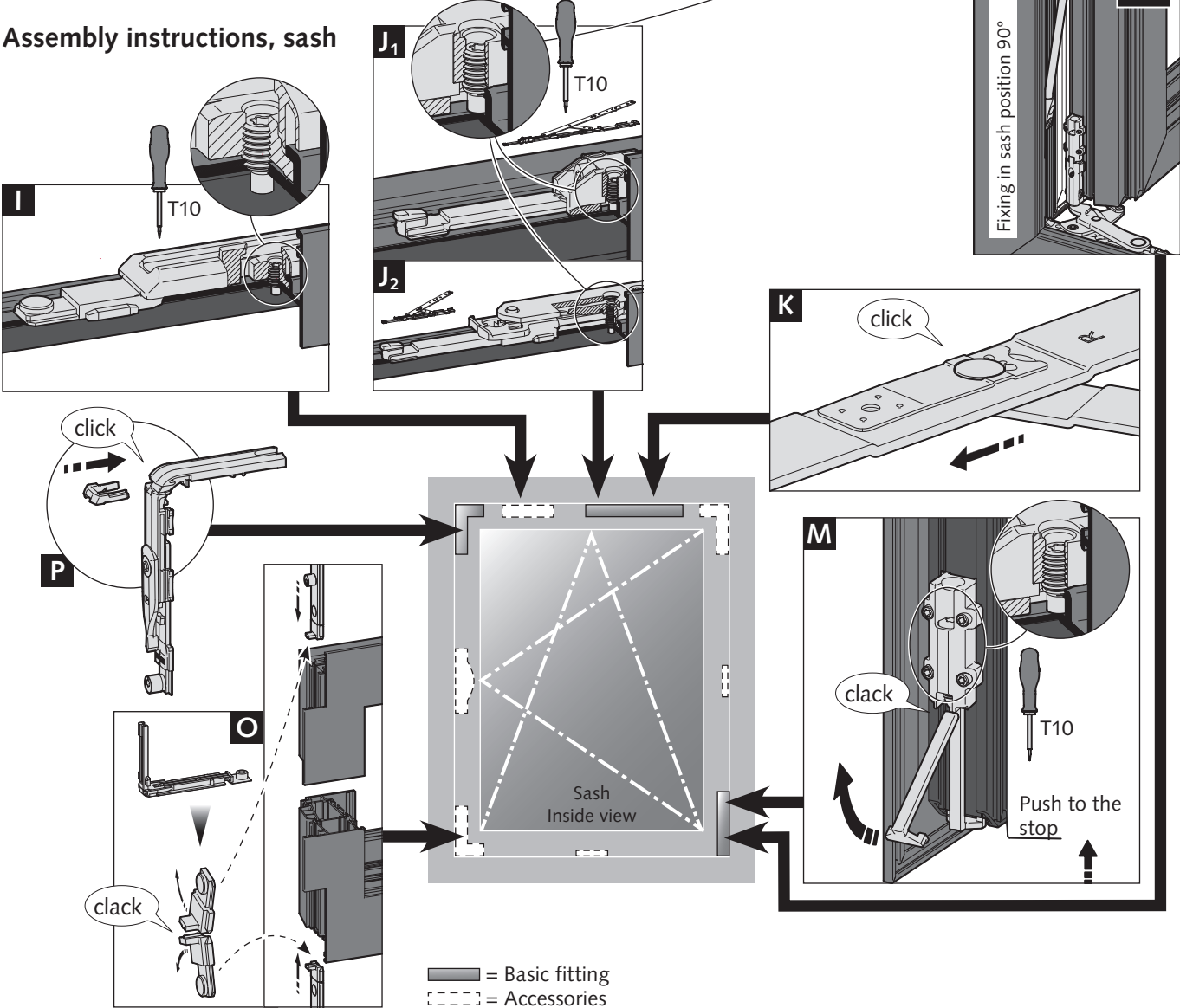
Application diagram
up to 170 kg
>130 kg 13



Assembly instructions, frame

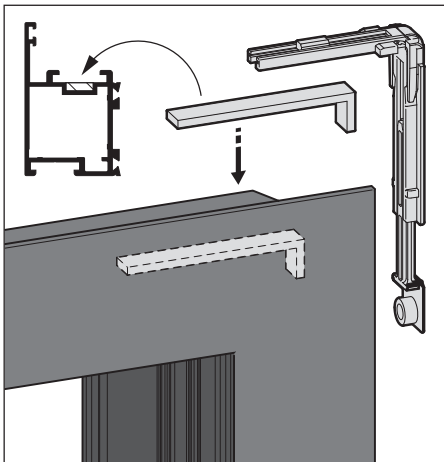


Assembly instructions, sash



Important information

- The supporting device **14** must be used for sash weights > 130 kg.
- It is essential to use a stop or opening limiter style 180° when using the load transfer >130 kg (no fig.).
- When hinging the sash the insertion pin must audibly engage into the scissor (fig. K).
- The installation of a mishandling device is prescribed according to VOB-DIN18360.
- From a window width or -height of 1,300 mm, we recommend the use of additional locking systems.
- When installing the fitting parts, the torques setting must be considered (see figures).
- Only a combination of original WSS parts may be used.

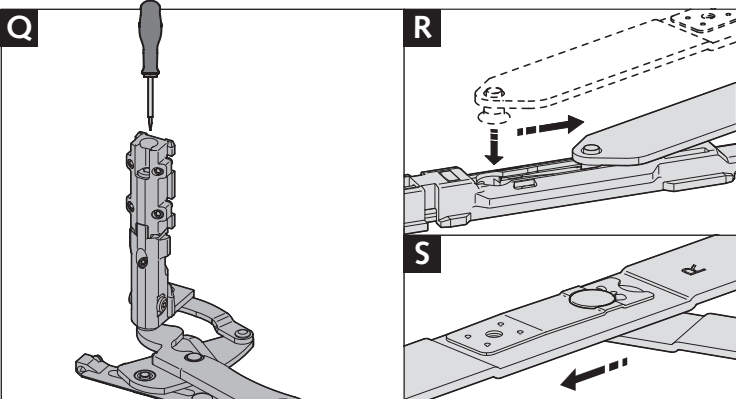


When using the corner transmission centre locking **22.1** in combination with a recessed sash groove, a spacer must be provided on-site.

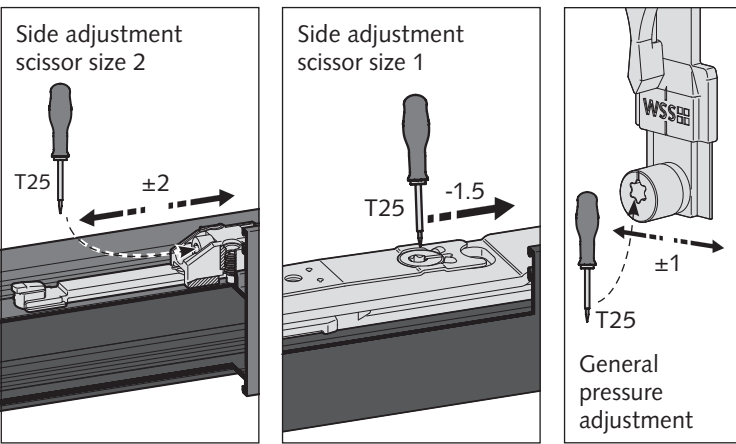
- The use of opening limiters is recommended when window sashes hit uncontrolled against the window reveals or aluminium support profiles (e.g. caused by wind) in order to avoid any damage or destroy of the fittings or profiles.

Installation of the sash

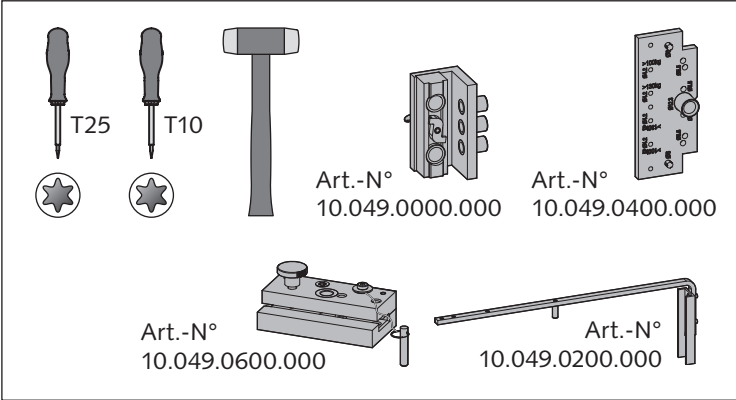
1. Put the locking side in mishandling position (tilt position).
2. Bottom corner bearing: Position the sash and screw the corner hinge to the corner bearing (fig. Q).
3. Install the scissor arm on the scissor guide (fig. R).
4. Engage the scissor plate in the scissor arm (fig. S).



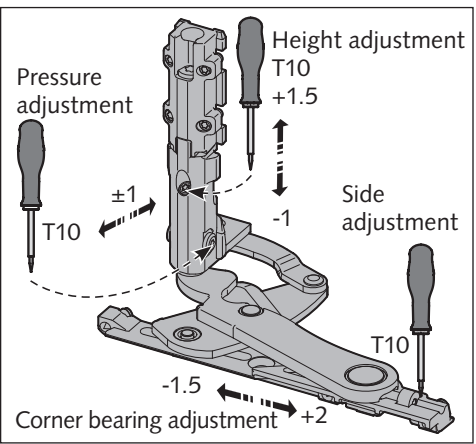
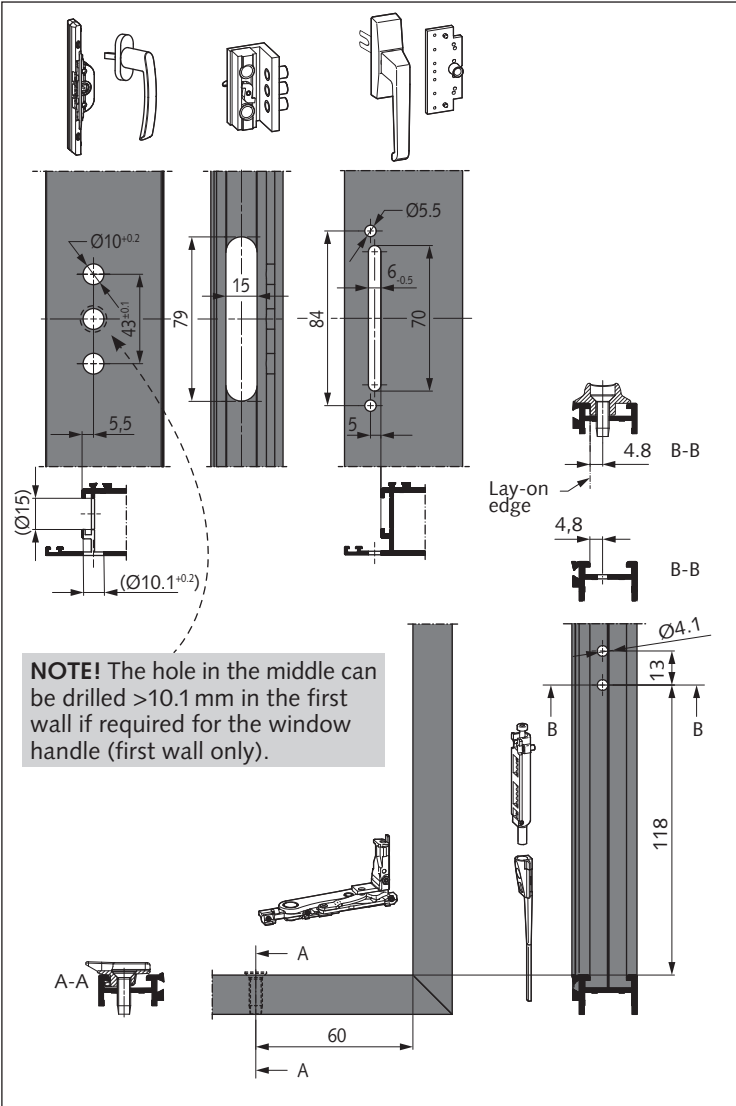
Adjustment



Tool selection



Profile processing



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