

## FITTING INSTRUCTIONS

### CANOPY STAYS WITH FRICTION AND SEPARATE MOUNTING OF FRAME AND SASH IPA NO. 21086-87 & 89

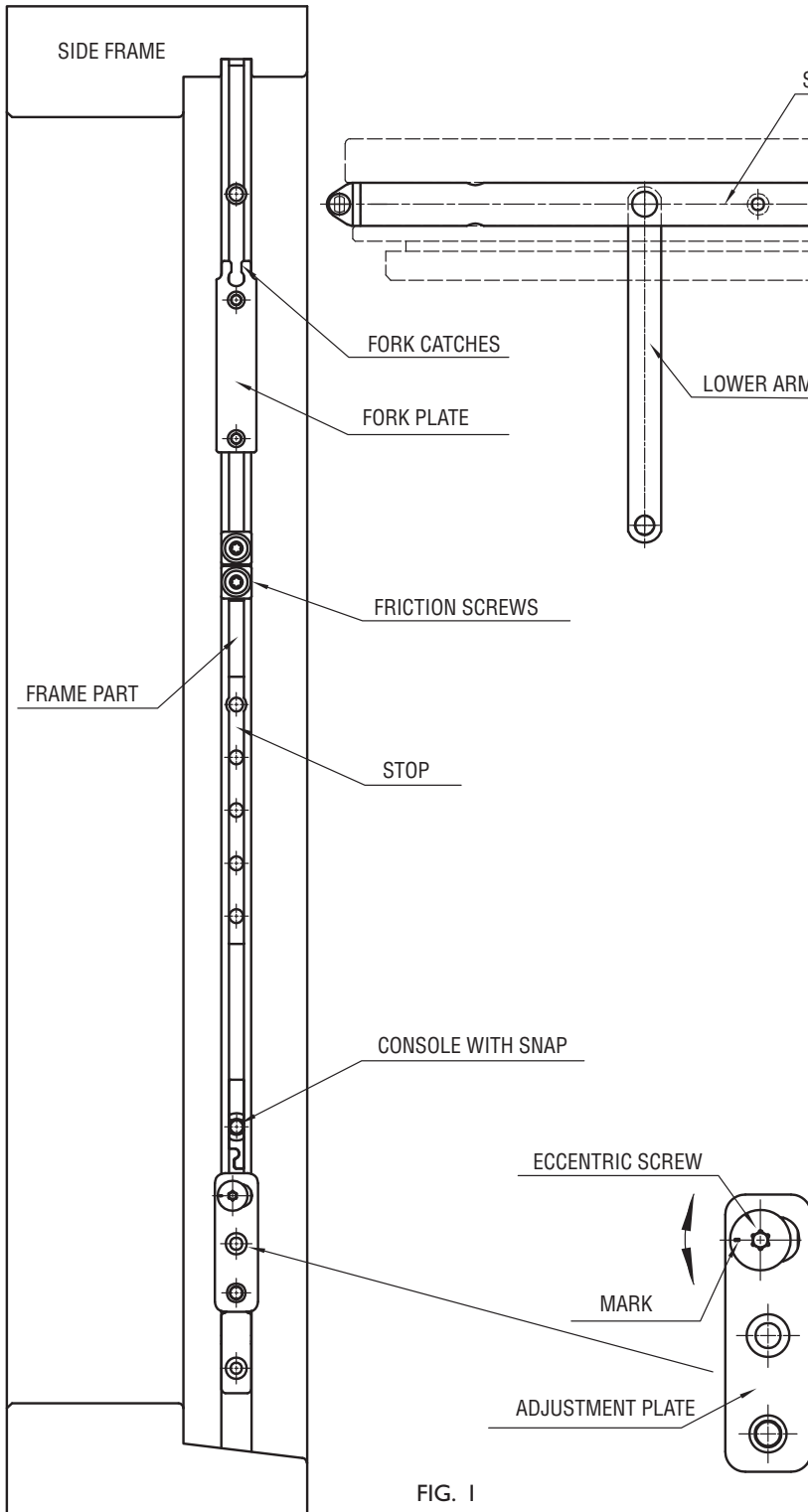


FIG. 1

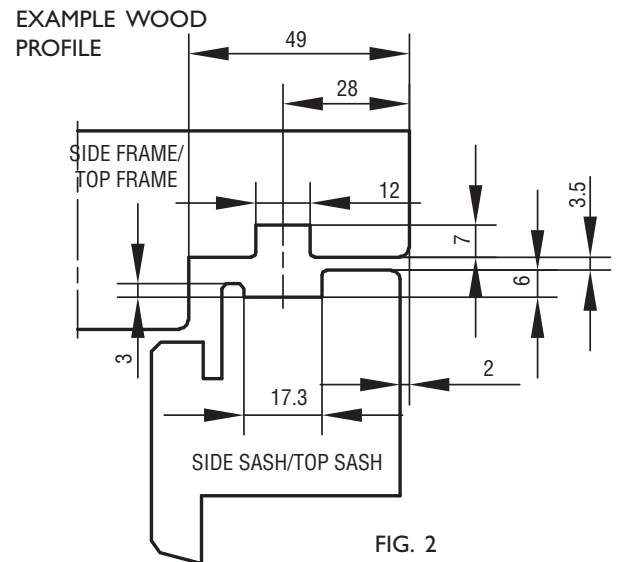


FIG. 2

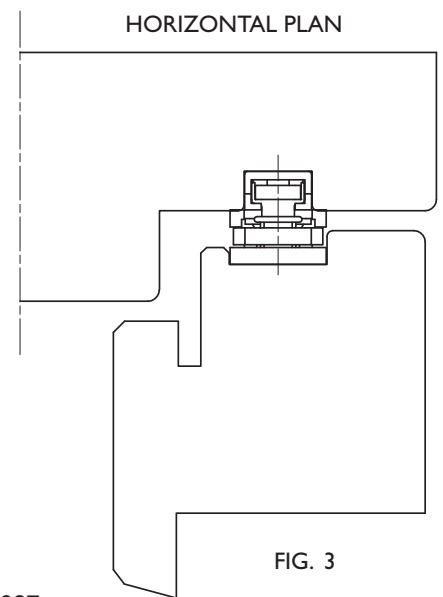


FIG. 3

IPA NO.	21086	21087	21089
MAX. SASH WEIGHT KG	40	57	73
MAX. INSIDE FRAME HEIGHT MM	844	1344	1544
USE SCREW NO.	4.0	4.0	4.0

**OBS: RE. IPA NO. 21087:**  
 FOR BIG WINDOWS (>1200 MM) WITH 3-LAYER GLASS AND NO REQUIREMENTS FOR FIRE ESCAPE OPENING, THE USE OF IPA NO. 21089 IS RECOMMENDED AS THE VENTILATION POSITION OTHERWISE MAY BE DIFFICULT TO ACHIEVE BECAUSE OF THE OPENING GEOMETRY OF THE GEARS.



## Fitting:

1. Side sash & -frame and top sash & -frame are made with through-going grooves, see figure 1.
2. Close the fitting and place it in the groove of the side frame. Place the fitting up against the bottom of the groove in the top frame. Fasten the screw below, open the fitting and fasten the remaining screws. It is recommendable to wait with the screw in the adjustment plate till the sash has been fitted and eventually adjusted.  
21087: fasten the stop plate placed in the aluminium rail by using a screw in the top screw hole for maximum fire-escape opening.  
21089: fasten the stopplate placed in the aluminium rail by using a screw in the top screw hole for maximum fire-escape opening. If the second upper screw hole is used the fire-escape opening will then be reduced and max. Sash weight increased to 88 kgs. Is no fire-escape required the lower screw holes in the stop plate may be used.
3. Place the sash part in the side groove and push into place by placing the top bracket in the top groove. Fasten screws in the top bracket first to ensure correct position, then fasten the rest.
4. The sash is fastened onto the frame by horizontally guiding the sash and the pins into the fork catches in both sides of the frame. Thereafter the lower arms in both aluminium rails are pushed in over the aluminium rails themselves and each pin is pushed into the snap consoles.
5. Close the sash and check if adjustment of the sash (up/down) is needed. Friction may also be adjusted.
6. Friction is adjusted by means of the screws on the frame part, use torx-20 key. Optimal window movement is achieved by equal friction in both sides and to ensure this the screws must never be fastened more than just enough to hold the window in open position. Please note that with a small window opening, the friction is not influenced by tightening the screws harder. To ensure the window in staying opened with a small window opening, we recommend mounting a safety catch.
7. The sash can be adjusted  $\pm 1.5$  mm up or down. Adjust by using a torx-20 key to turn the eccentric screw. By delivery the mark on the eccentric screw is in a vertical position indicating the 0-position. When the mark is in horizontal position either top or bottom, the fitting is adjusted to it's max. Of  $\pm 1.5$  mm.
8. Sash is demountable from frame:  
Open sash in max position and hold it there. Place a straight cut screwdriver between the lower arm and snap console. When tilting the screwdriver a bit the lower arm pin is released from the console. When pins in both sides are free tilt/turn the sash up to horizontal position and lift pins out of both fork catches. To mount the sash back into the frame – see point 4.

## Maintenance:

The fittings are not to be painted. Test the operation from time to time. When fitting – lubricate the pivot/movable metal parts of the mechanism while activating repeatedly. Hereafter lubricate minimum twice a year. Do not lubricate the aluminium rails. See also section h.

## Fitting instructions

Canopy stays with friction and separate mounting of frame and sash

Ipa no. S 21086-87 & 89