## SIDE HUNG WINDOWS

# C14.12
# WINDOW STAYS

01.02.2017

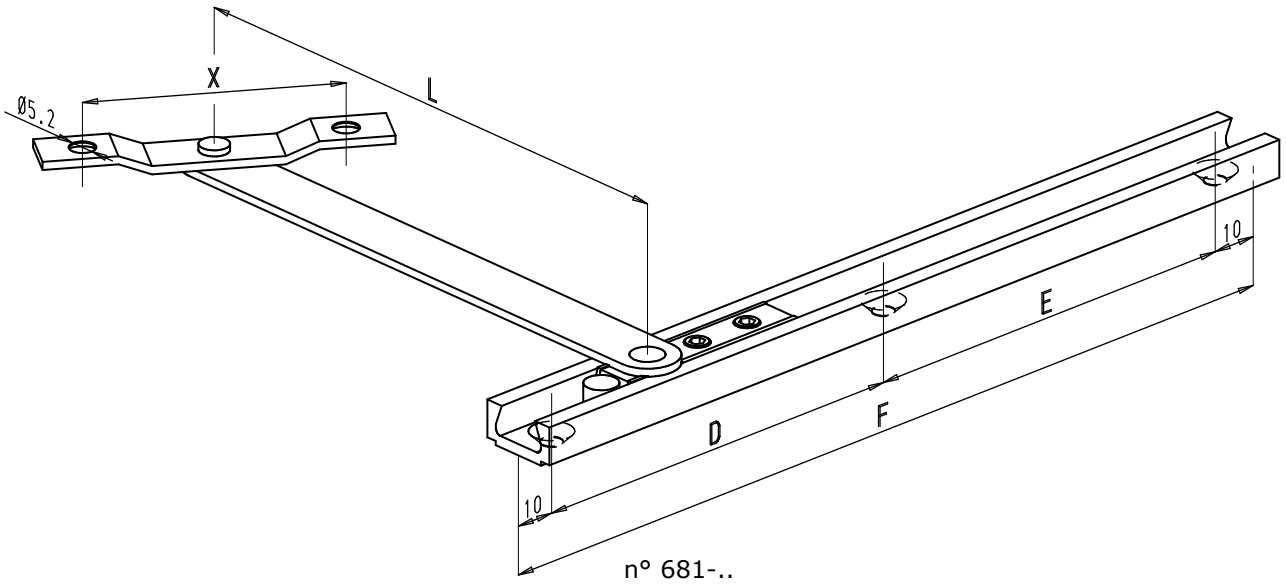
# WINDOW STAYS

## CONTENTS

# 1. Window stays series 681-.. and n° 684-12

## 1.1. General characteristics

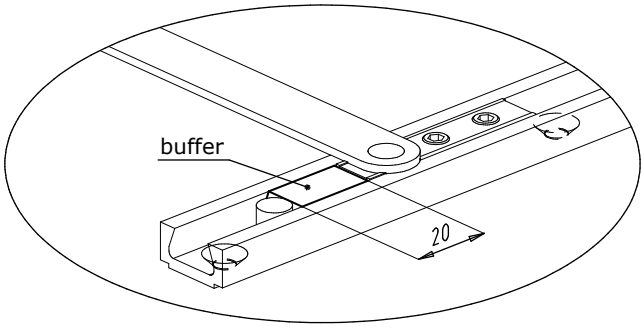
- The window stays have an incorporated adjustable friction which holds the window open in any position.
- All window stays are suitable for side hung open in and open out windows.
- Finish:
  - arm and rivets in stainless steel;
  - frame fixing plate in aluminium or stainless steel;
  - vent track in natural anodised aluminium;
  - friction pad in plastic;
  - friction adjusting plate in zinc alloy.



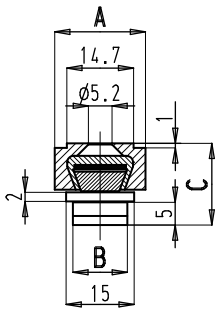

n° 681-..

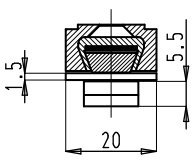
## 1.2. Window stay with buffer n° 684-12

- Window stay similar to n° 681-12 but with:
  - buffer in synthetic material
  - friction adjusting plate in aluminium
- The window stay is used for side hung windows of which the end stop must be damped. This can be important in case of:
  - big vent weights
  - high wind pressure
  - public buildings, schools, ...




## 1.3. Versions and critical dimensions



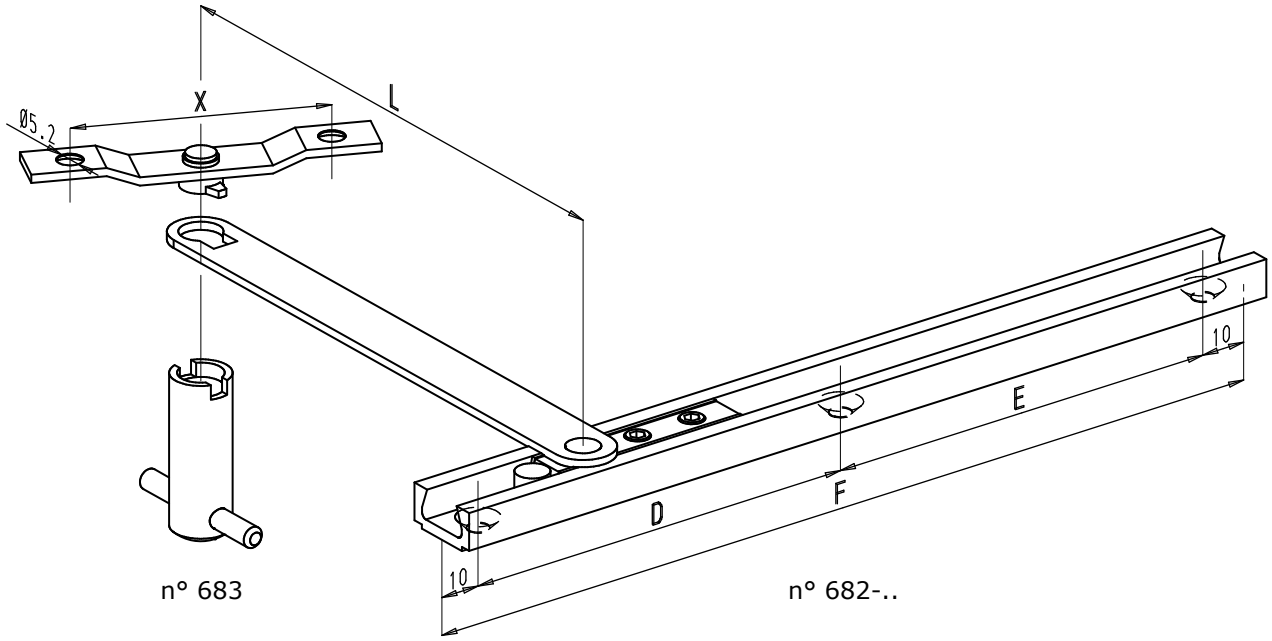

n° 681-12E
n° 681-33

| Order code | A | B | C | L | X | D | E | F | Order code with buffer |
|---|---|---|---|---|---|---|---|---|---|
| 681 | 20 | 20 | 20 | 140 | 59 | 100 | 100 | 220 | - |
| 681A | 20 | 12 | 18 | 190 | 59 | 125 | 0 | 145 | - |
| 681B | 20 | 12 | 18 | 250 | 59 | 100 | 100 | 220 | - |
| 681 BIS | 17.5 | 17.5 | 22 | 140 | 59 | 100 | 100 | 220 | - |
| 681C | 20 | 20 | 16 | 140 | 58 | 100 | 100 | 220 | - |
| 681C-190 | 20 | 20 | 16 | 190 | 58 | 100 | 100 | 220 | - |
| 681C-250 | 20 | 20 | 16 | 250 | 58 | 100 | 100 | 220 | - |
| 681-12 | 20 | 12 | 18 | 140 | 59 | 100 | 100 | 220 | 684-12 |
| 681-12-300 | 20 | 12 | 18 | 300 | 59 | 100 | 100 | 220 | - |
| 681-12B | 20 | 12 | 21 | 140 | 56.5 | 100 | 100 | 220 | - |
| 681-12C | 20 | 12 | 15 | 140 | 59 | 100 | 100 | 220 | - |
| 681-12C-250 | 20 | 12 | 15 | 250 | 59 | 100 | 100 | 220 | - |
| 681-12E | 20 | 12 | 18 | 140 | 59 | 100 | 100 | 220 | - |
| 681-18,5 | 20 | 12 | 19.5 | 140 | 58 | 100 | 100 | 220 | - |
| 681-18,5-250 | 20 | 12 | 19.5 | 250 | 58 | 100 | 100 | 220 | - |
| 681-18,5-500 | 20 | 12 | 20.5 | 500 | 58 | 100 | 100 | 220 | - |
| 681-19,5 | 20 | 20 | 19.5 | 140 | 59 | 100 | 100 | 220 | - |
| 681-22 | 20 | 20 | 22 | 140 | 56 | 100 | 100 | 220 | - |
| 681-23 | 20 | 12 | 21.5 | 140 | 56.5 | 100 | 100 | 220 | - |
| 681-31 | 20 | 12 | 18 | 65.5 | 59 | 125 | 0 | 145 | - |
| 681-32 | 20 | 12 | 15 | 250 | 59 | 150 | 100 | 270 | - |
| 681-33 | 20 | 12 | 18 | 55 | 59 | 125 | 0 | 145 | - |

# 2. Detachable window stays series 682-.. and n° 685-12

## 2.1. General characteristics

- The window stays series 682-.. have a detachable arm. By turning the rivet on the frame part with key n° 683, the arm can be released to open the window completely.
- The window stays have an incorporated adjustable friction which holds the window open in any position.
- All window stays are suitable for side hung open in and open out windows.
- Finish:
  - arm and rivets in stainless steel;
  - frame fixing plate in aluminium or stainless steel;
  - vent track in natural anodised aluminium;
  - friction pad in plastic;
  - friction adjusting plate in zinc alloy;
  - key n° 683 in stainless steel.

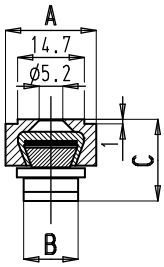



n° 683 n° 682-..

## 2.2. Window stay with buffer n° 685-12

- Similar to window stay n° 684-12, but detachable. See page C14.12.06.

## 2.3. Versions and critical dimensions



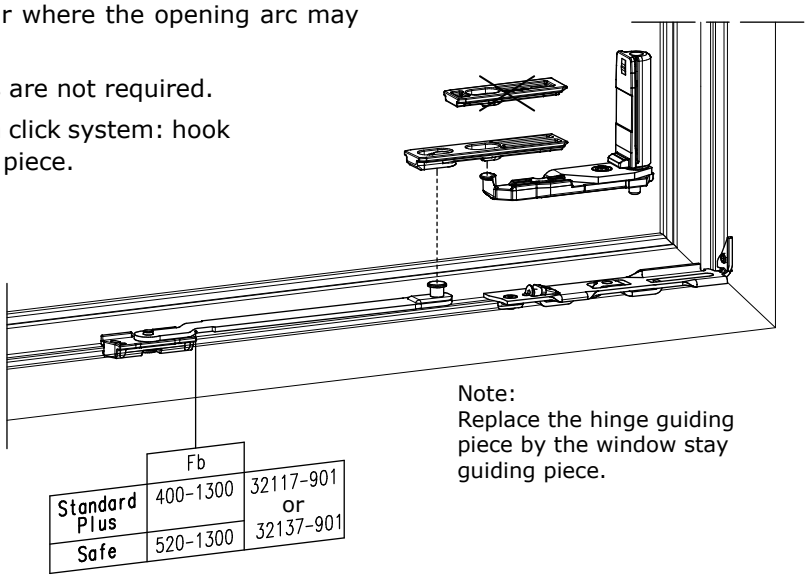

| Order code | A | B | C | L | X | D | E | F | Order code with buffer |
|---|---|---|---|---|---|---|---|---|---|
| 682 | 20 | 20 | 20 | 140 | 59 | 100 | 100 | 220 | - |
| 682A | 20 | 12 | 18 | 190 | 59 | 125 | 0 | 145 | - |
| 682B | 20 | 12 | 18 | 250 | 59 | 100 | 100 | 220 | - |
| 682 BIS | 17.5 | 17.5 | 22 | 140 | 59 | 100 | 100 | 220 | - |
| 682C | 20 | 20 | 16 | 140 | 58 | 100 | 100 | 220 | - |
| 682C-190 | 20 | 20 | 16 | 190 | 58 | 100 | 100 | 220 | - |
| 682C-250 | 20 | 20 | 16 | 250 | 58 | 100 | 100 | 220 | - |
| 682-12 | 20 | 12 | 18 | 140 | 59 | 100 | 100 | 220 | 685-12 |
| 682-12-300 | 20 | 12 | 18 | 300 | 59 | 100 | 100 | 220 | - |
| 682-12B | 20 | 12 | 21 | 140 | 56.5 | 100 | 100 | 220 | - |
| 682-12C | 20 | 12 | 15 | 140 | 59 | 100 | 100 | 220 | - |
| 682-12F | 20 | 12 | 21 | 140 | 56.5 | 125 | 0 | 145 | - |
| 682-18,5 | 20 | 12 | 19.5 | 140 | 58 | 100 | 100 | 220 | - |
| 682-18,5-250 | 20 | 12 | 19.5 | 250 | 58 | 100 | 100 | 220 | - |
| 682-19,5 | 20 | 20 | 19.5 | 140 | 59 | 100 | 100 | 220 | - |
| 682-22 | 20 | 20 | 22 | 140 | 56 | 100 | 100 | 220 | - |

# 3. Chrono window stays

## 3.1. N° 32117-901 and 32137-901

- In combination with Chrono Invision Go hinges.
  - N° 32117-901: frame groove 14/18 mm
  - N° 32137-901: frame groove 10/14 mm
- Restricts the opening angle of the window at 90° in turn position.
- Required in public buildings and for windows wider than 1200 mm.
- Should be used for safety purposes or where the opening arc may be obstructed.
- Fixing screws and profile preparations are not required.
- The window stay is easy to mount by a click system: hook in the arm and click it in vent guiding piece.

**Chrono Invision Go**

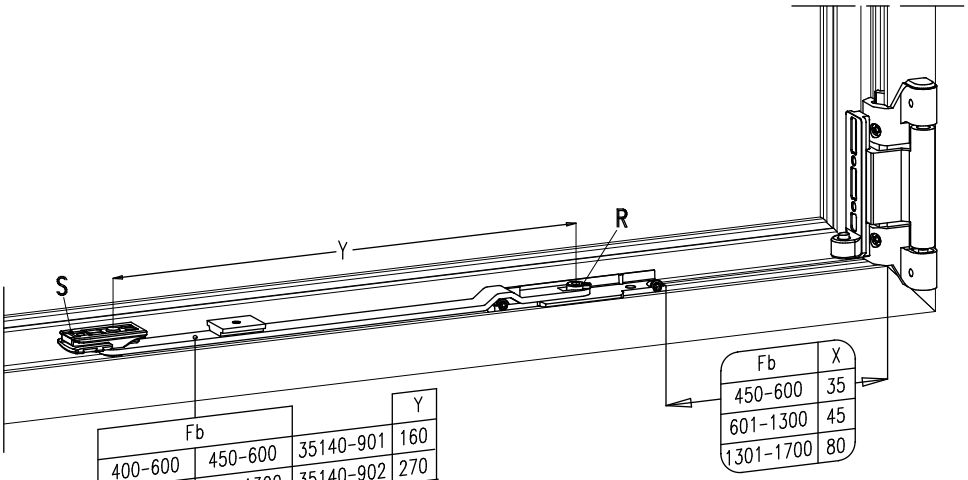



Note:
Replace the hinge guiding piece by the window stay guiding piece.

## 3.2. N° 35140-901, -902 and -903

- In combination with visible Chrono hinges and Chrono Invision Pro hinges.
- Restricts the opening angle of the window in turn position.
- Required in public buildings in case of Chrono Invision Pro hinges.
- With Chrono visible hinges, the window stay is optional and is only used as limitation of the opening angle, never as stop.
- Should be used for safety purposes or where the opening arc may be obstructed.
- The position of the stay will dictate the opening angle of the window.
- The window stay is detachable by turning rivet R with a 4 mm hexagon key.
- Provided with an incorporated adjustable friction by tightening the screw S, which can hold the vent in any turn position.

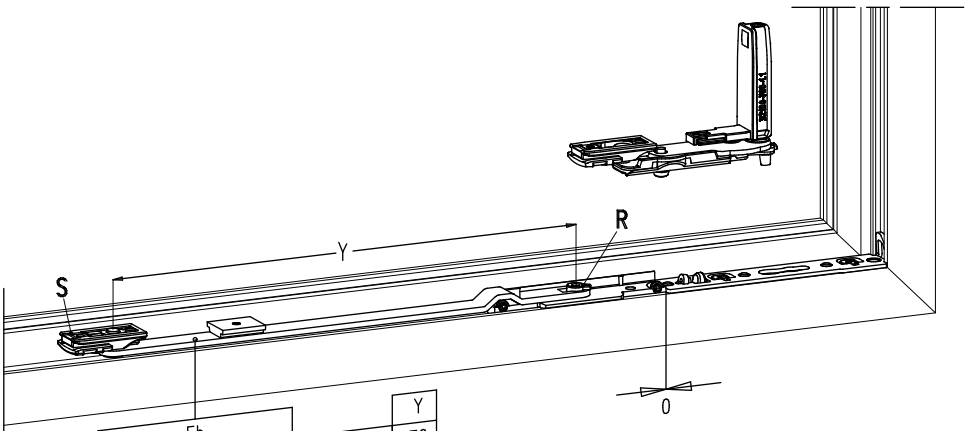
**Chrono**




| Fb | | | Y |
|---|---|---|---|
| 400-600 | 450-600 | 35140-901 | 160 |
| 601-1300 | 601-1300 | 35140-902 | 270 |
| 1301-1700 | 1301-1700 | 35140-903 | 370 |
| Standard Plus | Safe | | |

| Fb | X |
|---|---|
| 450-600 | 35 |
| 601-1300 | 45 |
| 1301-1700 | 80 |

**Chrono Invision Pro**

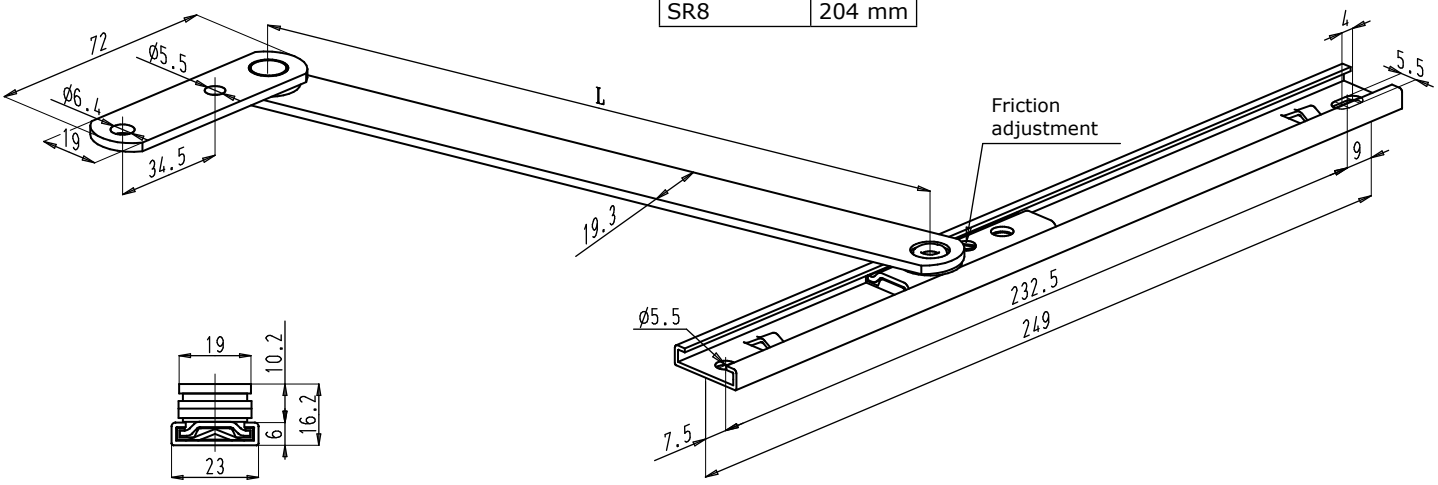



| Fb | | | Y |
|---|---|---|---|
| 545-1300 | 670-1300 | 35140-902 | 270 |
| 1301-1700 | 1301-1700 | 35140-903 | 370 |
| Standard Plus | Safe | | |

# 4. Window stays n° SR6 and SR8

- The window stays have an incorporated adjustable friction which holds the window open in normal weather conditions. They are suitable for side hung open in and open out windows.
- The window stays can also be used for project-out windows in combination with friction hinges.
- Finish: stainless steel, friction pad in plastic.

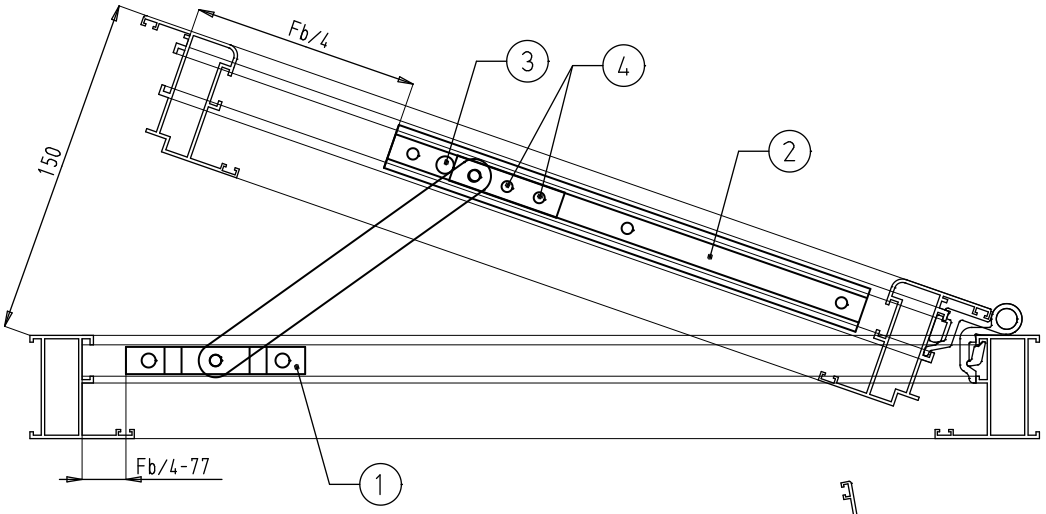
| Order code | L |
|---|---|
| SR6 | 146 mm |
| SR8 | 204 mm |



# 5. Installation instructions

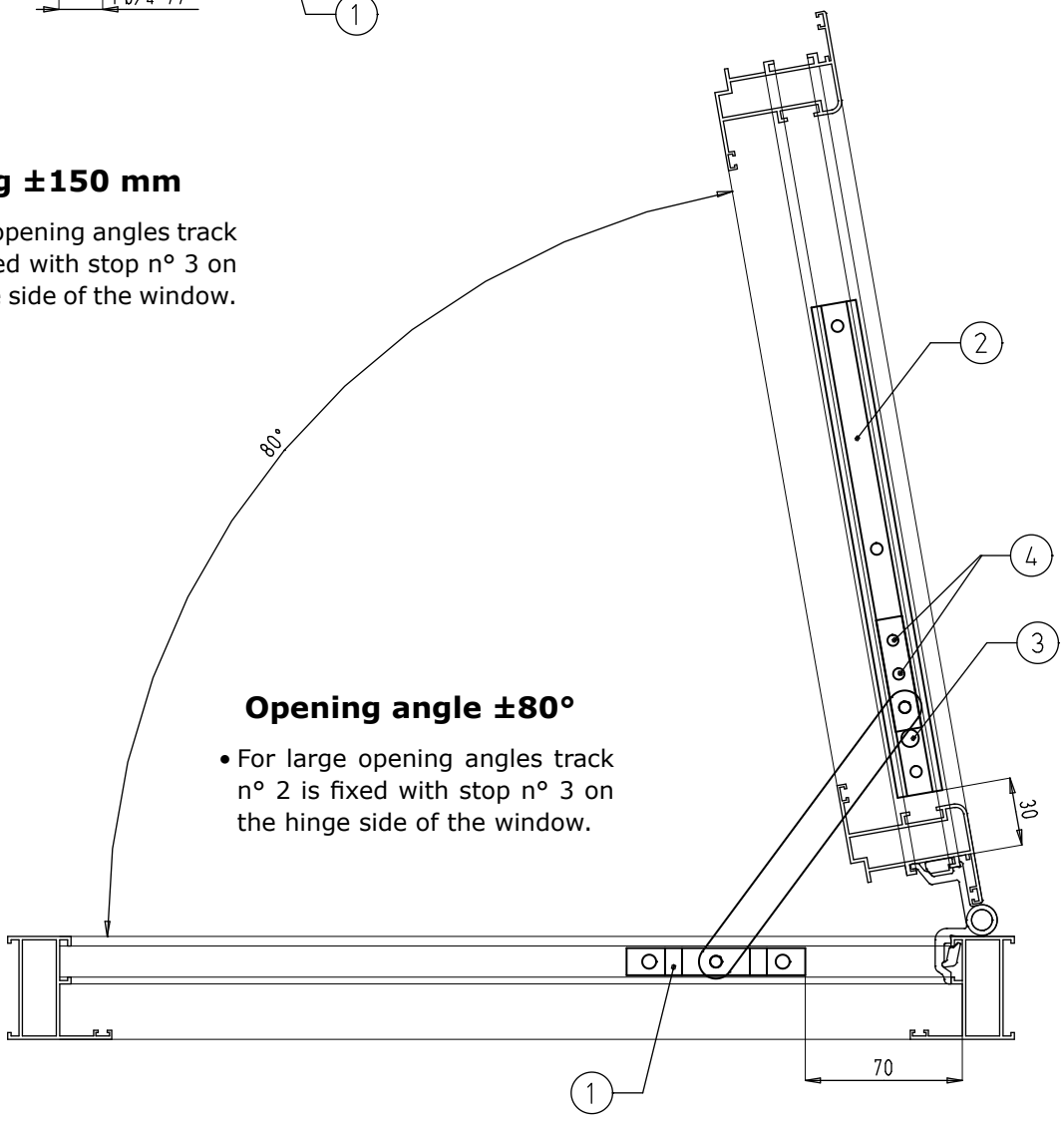
## General

- Always fix the fixing plate n° 1 to the frame and the track n° 2 to the vent.
- Adjust the friction to suit the window dimensions and weight by 2 screws n° 4.




## Opening ±150 mm

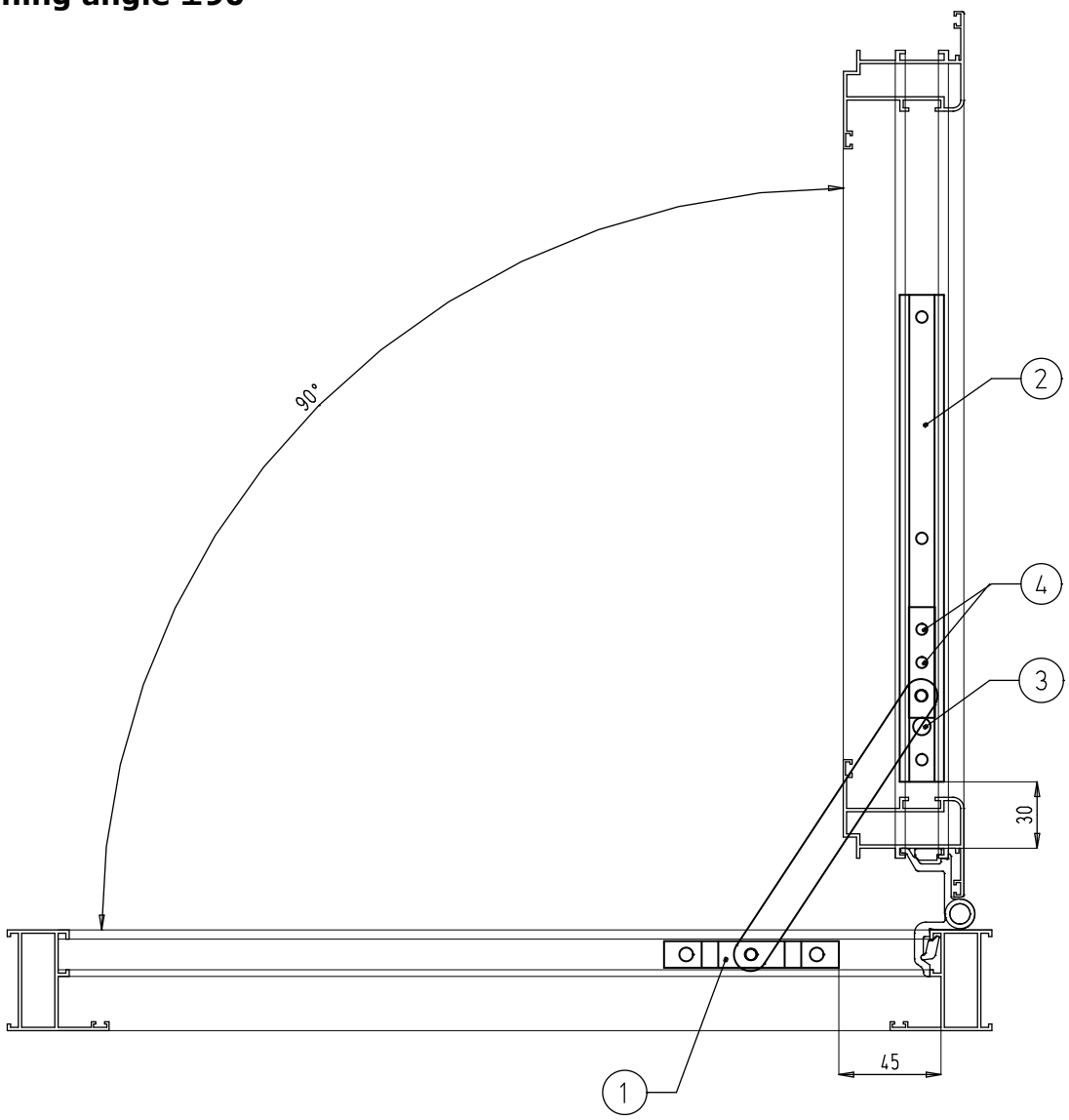
- For small opening angles track n° 2 is fixed with stop n° 3 on the handle side of the window.



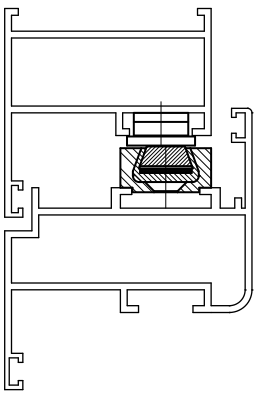

## Opening angle ±80°

- For large opening angles track n° 2 is fixed with stop n° 3 on the hinge side of the window.

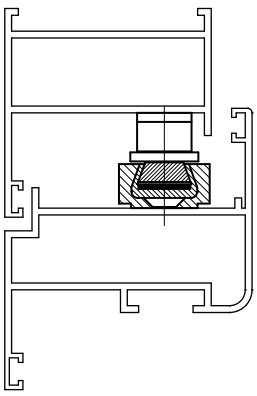
**Opening angle ±90°**




## 6. Application examples



Window stay n° 681-12



Window stay n° 682-22