



PROJECT-OUT WINDOWS AND TOP HUNG WINDOWS



F11.15 WINDOW STAYS

01.12.2018



WINDOW STAYS

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1. Window stays n° SR6, SR8 and SR16BAC

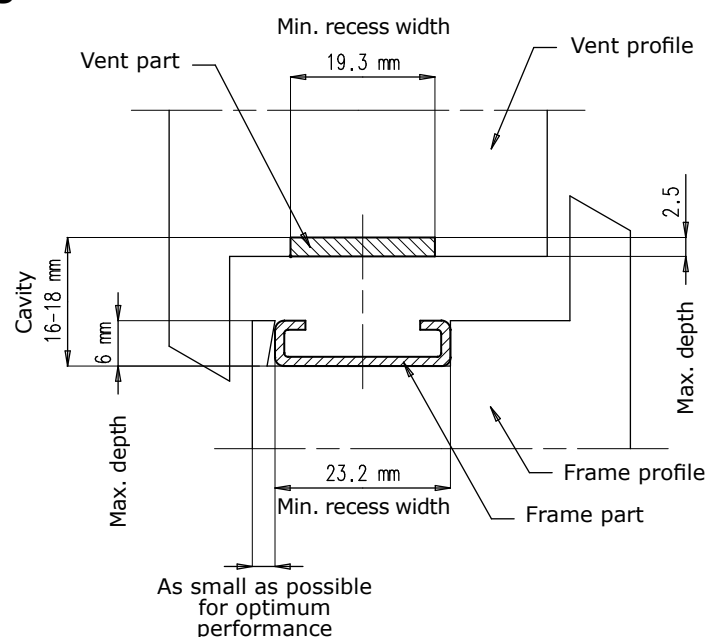
1.1. General characteristics



- Non-detachable window stays in combination with the friction hinges series P691 for project-out windows.
 - The window stays can be used for both top hung and side hung windows.
 - The window stays are non-handed.
 - The window stays have an incorporated adjustable friction device for additional friction.
 - The window stays give an opportunity to permanently restrict opening vents.
- Applications:
- Windows which require a fixed maximum opening angle.
 - Where child safety is required.
- In normal operation, the window stay allows the vent to open until the slider engages against the opening stop in the track.
 - Tested in accordance with the British standard BS6375 Part2: 2009 to withstand a force of 350 N for one minute.
 - Finish: stainless steel AISI 304, friction pad in synthetic material.

1.2. Installation dimensions

- The window stays are fitted between two flat and parallel rigid faces.
- If the window stays can't be mounted on a flat surface (e.g. on a vent groove) or when the cavity is too big, packers must be used to fill any recess and to bring the cavity to 16-18 mm and to provide a more solid fixing.
- Installation dimensions on vent and frame as on the drawing.

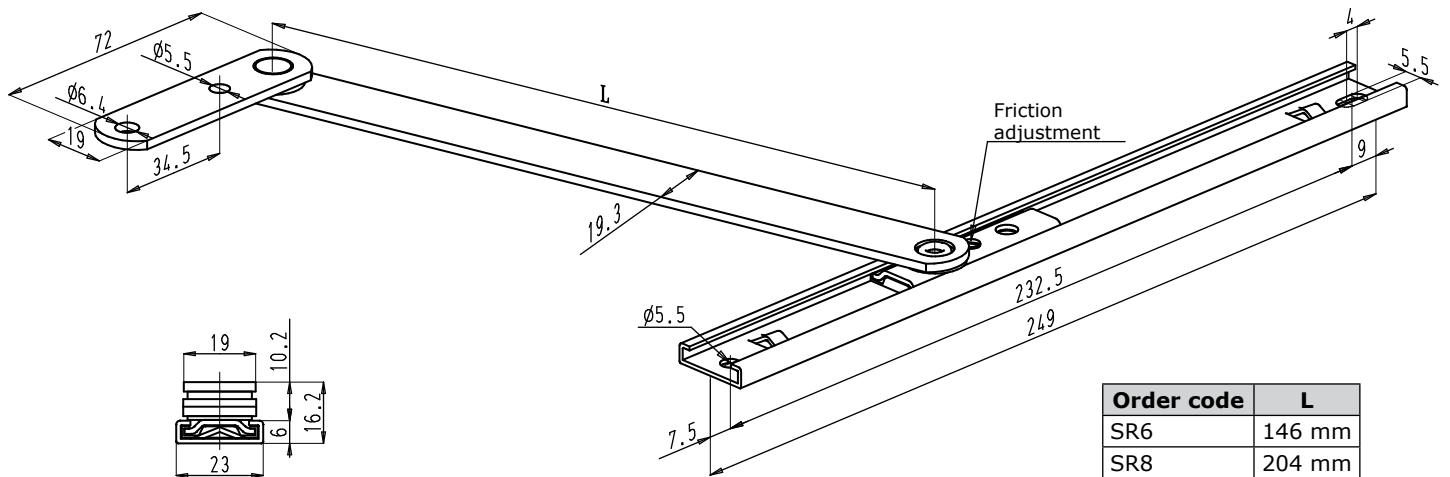




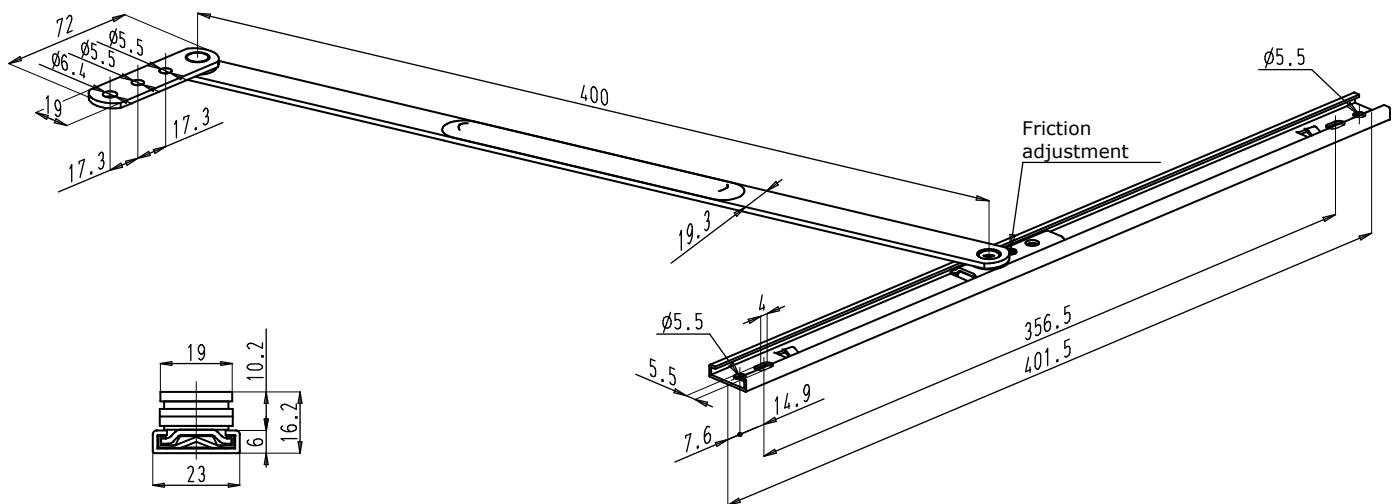
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1.3. Dimensions

Window stays n° SR6 and SR8



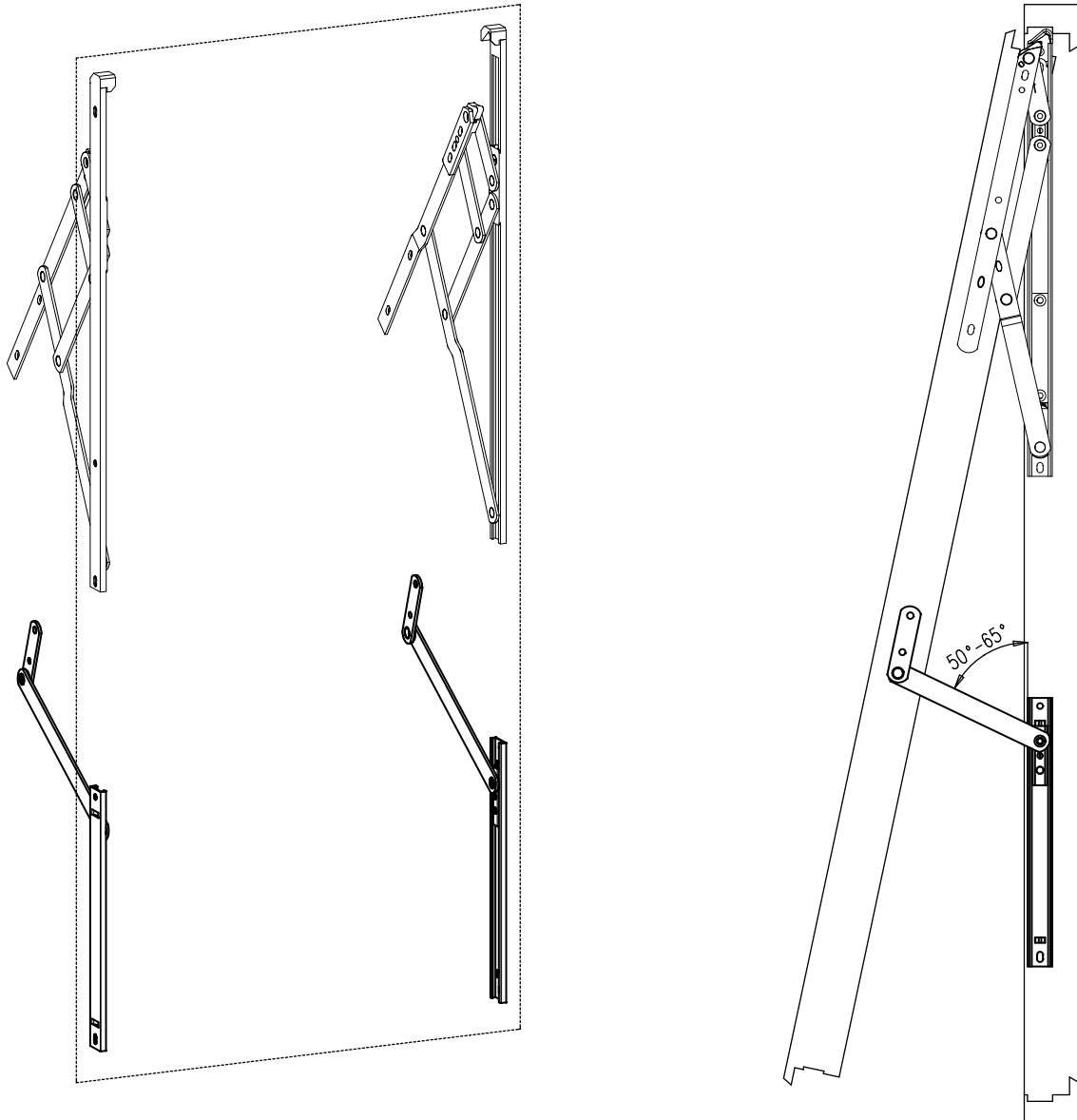
Window stay n° SR16BAC





1.4. Installation

- Example: configuration for a project-out window.



- Always mount two window stays per window.
- The following is an approximate guide to the restricted opening gap:
 - SR6: to restrict the maximum opening of the window from 80 mm to 200 mm.
 - SR8: to restrict the maximum opening of the window from 100 mm to 300 mm.
 - SR16BAC: to restrict the maximum opening of the window from 300 mm to 750 mm.
- The actual opening gap achieved will depend on several factors:
 - the vertical position of the window stay in the window
 - the friction hinges used
 - the vent height
 - the window profile design
- To achieve the best and strongest vent opening restriction, the window stay must be fitted as low as possible (as close as possible to the handle side).
- Larger opening gaps are achieved by moving the window stay towards the friction hinge.
- The angle between the frame mounted track and the arm is preferably from 50° to 65°, when fully open.



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2. Window stays n° SOR150, SOR300, SOR400

2.1. General characteristics



- Permanent window stays for project-out windows to restrict the opening and with 1, 2 or 3 fixed stay open positions. Used only in combination with the friction hinges n° P691-406V, -559, 559V, -660 and -660R.
- The window stays are available in 3 sizes for windows with vent height from 900 mm to 2500 mm.
- The window stays are non-handed.
- The window stays have an incorporated adjustable friction device for additional friction.

Release lever and reset mechanism



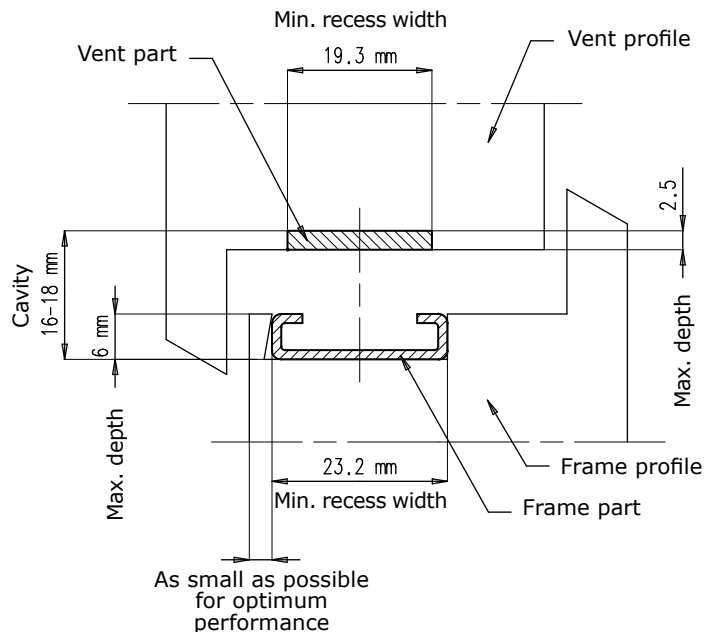
- The window stays are designed to prevent the window opening past fully restricted position and the primary function is to prevent the vent from closing automatically due to wind pressure.
- The stay open position will automatically engage on opening of the window and is manually released by a release lever to close the window.
- Applications:
 - Windows which require a fixed maximum opening angle.
 - Windows which must be set in one or several stay open positions.
 - Where child safety is required.
- The release lever is automatically reset when the window is fully closed.
Attention: ensure that the closed position will result in automatic reset of the release lever!
- Tested in accordance with the British standard BS6375 Part2: 2009.
- Finish: stainless steel AISI 304, friction pad and reset mechanism in synthetic material.





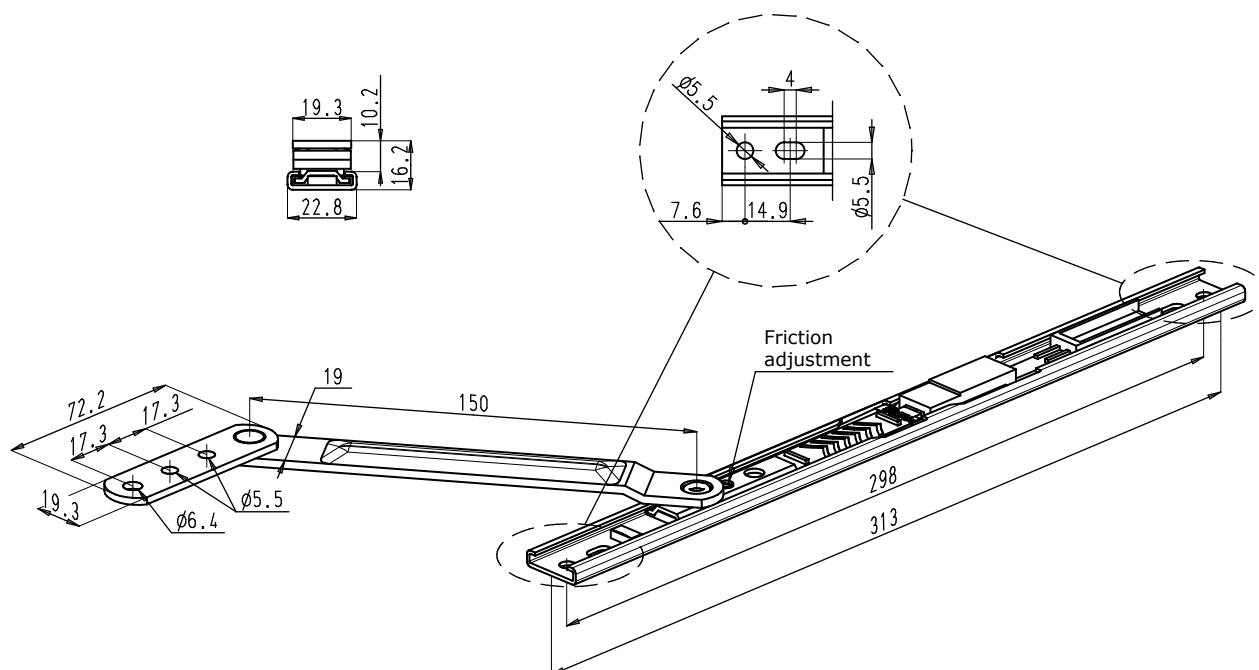
2.2. Installation dimensions

- The window stays are fitted between two flat and parallel rigid faces.
- If the window stays can't be mounted on a flat surface (e.g. on a vent groove) or when the cavity is too big, packers must be used to fill any recess and to bring the cavity to 16-18 mm and to provide a more solid fixing.
- Installation dimensions on vent and frame as on the drawing.



2.3. Dimensions

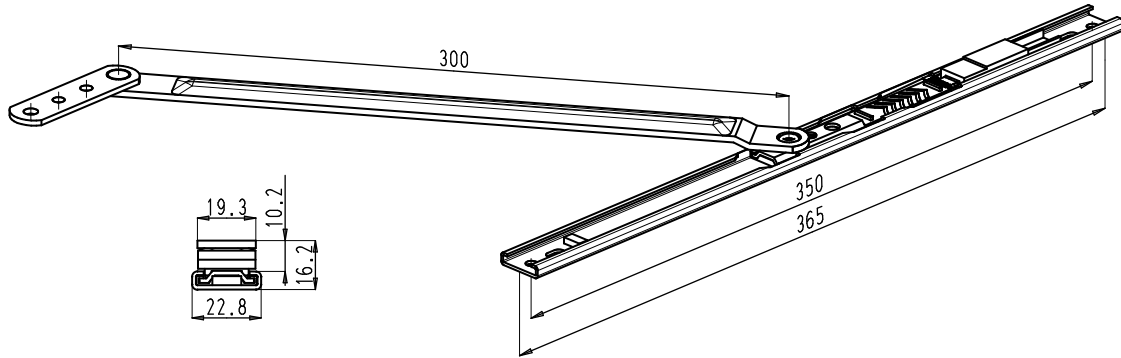
Window stay n° SOR150



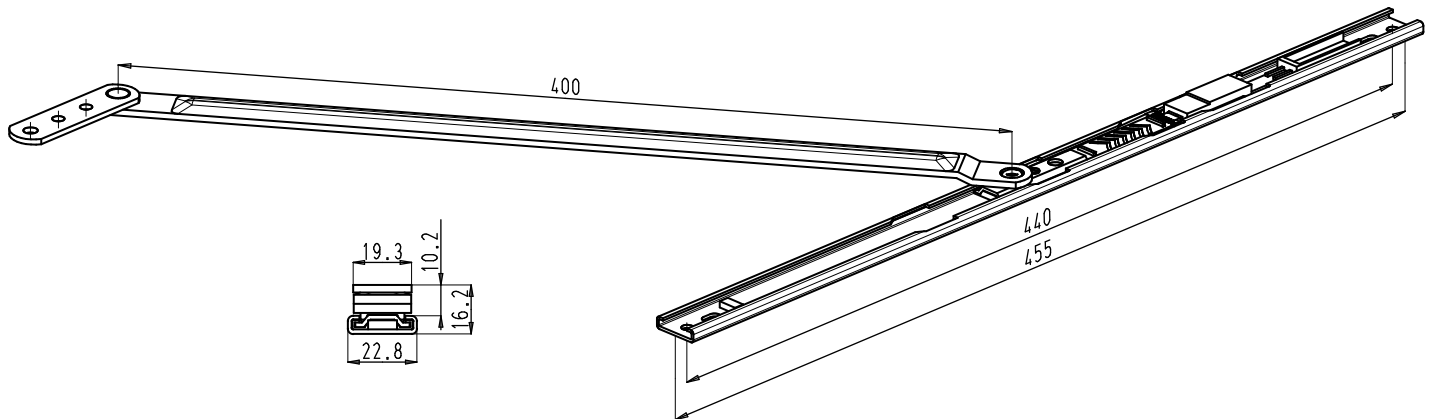


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Window stay n° SOR300



Window stay n° SOR400

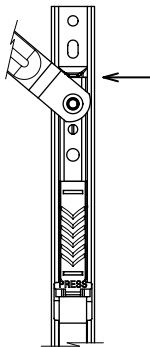




2.4. Release lever and reset mechanism

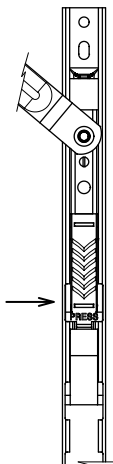
- Dependent on the window stay size, the window has 1 or more stay open positions (fixed positions):
 - SOR150: 1 stay open position + end position
 - SOR300: 2 stay open positions + end position
 - SOR400: 3 stay open positions + end position

End position



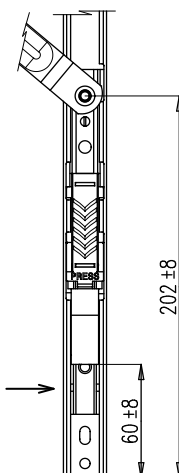
- Maximum opening restriction of the window when the slider is against the crack stop in the track.
- Attention! In this position, the slider is NOT in a stay open position. Due to wind pressure the window can close until the upper stay open position.

Release lever



- The window is fully locked in the stay open position.
- In this stay open position the window remains in position when subjected to wind gusts up to 1500 Pa.
- On closure of the window, the release lever on the window stays must be operated. Instructions:
 - Press (marked PRESS) the release lever of one of the two window stays.
 - While still pressed down, slide the release lever downwards until the tongue catches in the recessed end of the grey plastic slider.
 - The lever will now remain in the released position.
 - Hold the vent open using the operating handle and now repeat these instructions also for the other window stay.
 - The window can now be closed fully without further user intervention.
- In case of more than one stay open position, the window will also fully close because the release lever remains pressed down.

Reset



- **It's very important that the release lever will be reset from the locked released closing function so that it will automatically locate in the stay open positions next time the vent is opened!**
- The release lever resets automatically when the window is fully closed. There's a reset zone of 16 mm as illustrated on the drawing. Therefore the fitting position of the window stay is very important.

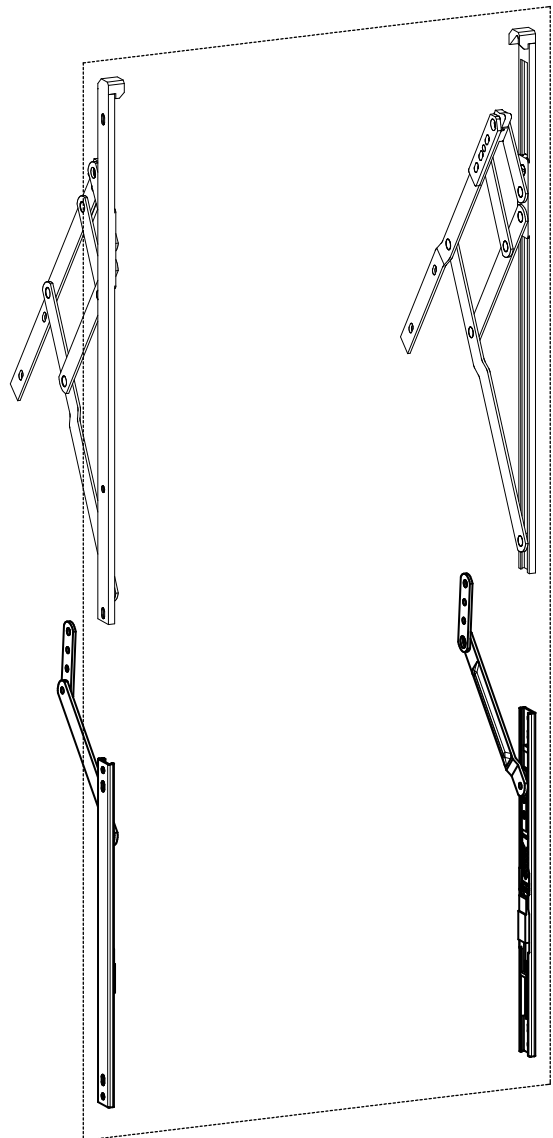


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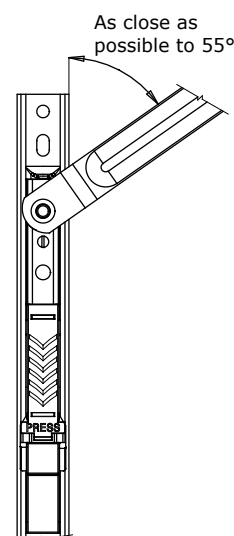
2.5. Installation

General

- Always mount two window stays per window.
- The opening gap achieved will depend on several factors:
 - the vertical position of the window stay in the window
 - the friction hinges used
 - the vent height
 - the window profile design
- To achieve the best and strongest vent opening restriction, the window stay must be fitted as low as possible (as close as possible to the handle side).
- Larger opening gaps are achieved by moving the window stay towards the friction hinge. In other words, the maximum opening angle of the window can be adjusted by changing the fixing position of hole A (see drawings on next pages):
 - K smaller: larger opening angle
 - K larger: smaller opening angle



- The angle between the frame mounted track and the arm is preferably around 55° when the window stay is in its end position (slider engages against the opening stop).



● Important!

These fitting instructions need to be followed to ensure full slider travel, to enable stay open lever to reset on closing.

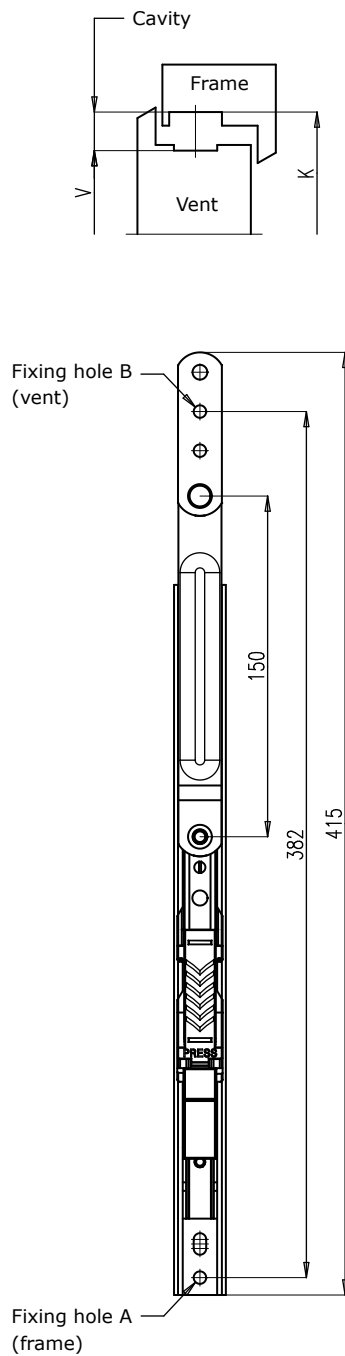


Window stay n° SOR150

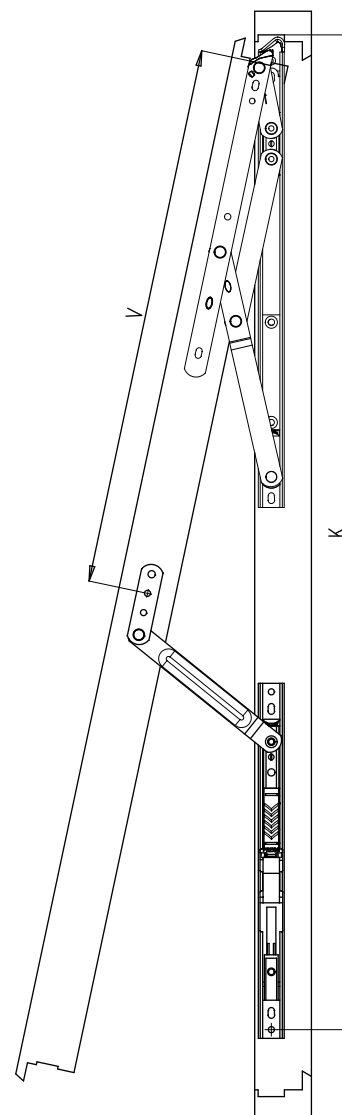
- The window stay is mounted according to the next formula:

Distance V = Distance K - (382 mm + cavity)

- V = distance between fixing hole B and surface on which the window stay is mounted on the vent.
- K = distance between fixing hole A and surface on which the window stay is mounted on the frame.
- These dimensions are a guide in order to reset the release lever.



Installation example





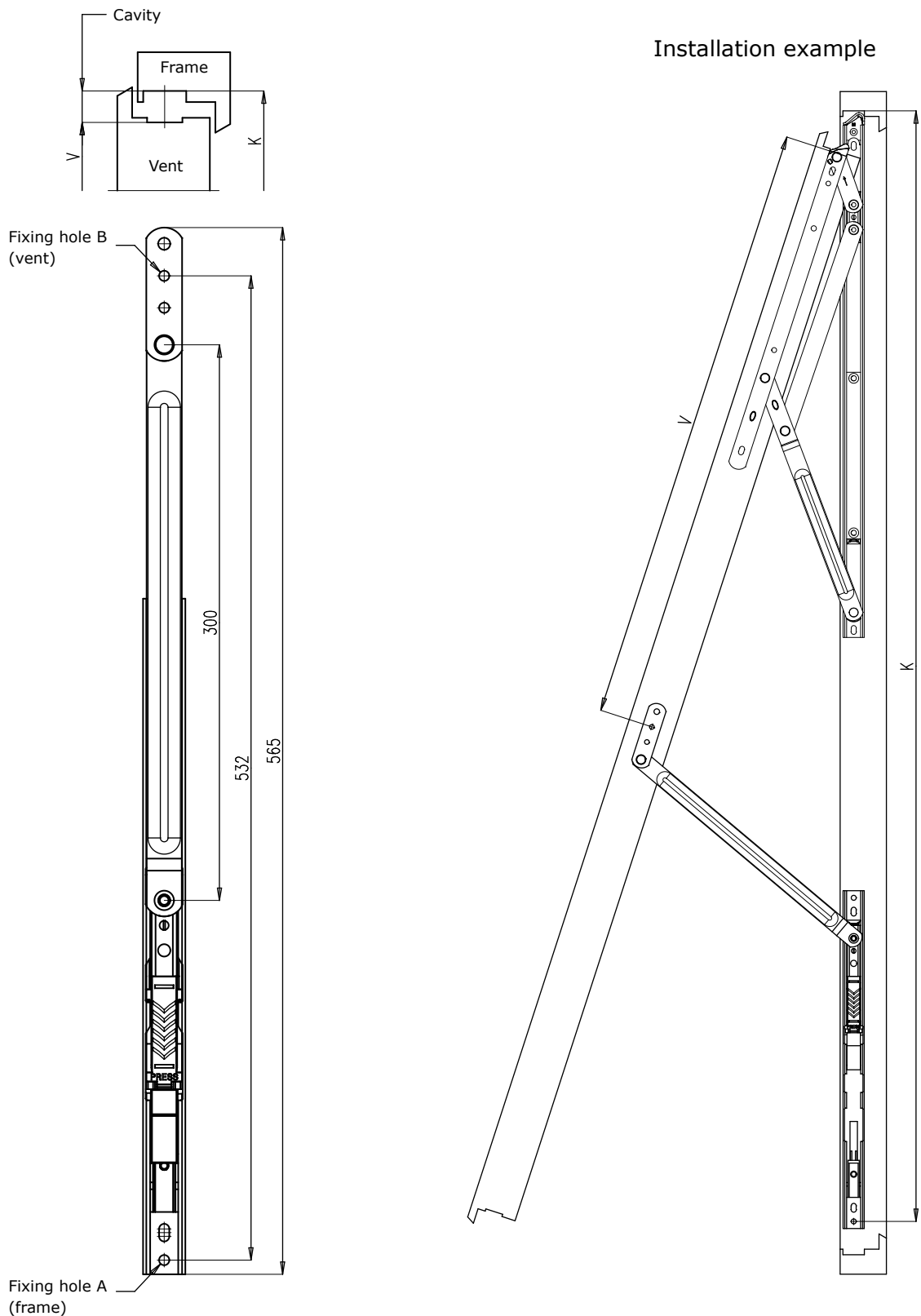
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Window stay n° SOR300

- The window stay is mounted according to the next formula:

Distance V = Distance K - (532 mm + cavity)

- V = distance between fixing hole B and surface on which the window stay is mounted on the vent.
- K = distance between fixing hole A and surface on which the window stay is mounted on the frame.
- These dimensions are a guide in order to reset the release lever.





Window stay n° SOR400

- The window stay is mounted according to the next formula:
Distance V = Distance K - (632 mm + cavity)
 - V = distance between fixing hole B and surface on which the window stay is mounted on the vent.
 - K = distance between fixing hole A and surface on which the window stay is mounted on the frame.

- These dimensions are a guide in order to reset the release lever.

