

Opening Limiter

Opening Limiter

Opening Arrester

Sash Restrictor



Function

Lockable and decouplable



Opening Limiter

The opening limiter is equipped with a freely positionable end position locking. This allows different opening widths and keeps the leaf in the opened position. Using the tool (T25), the scissors can be hung out on the frame bearing.

Opening Limiter, lockable

Are comfort fittings which are tested and classified according to the requirements of DIN EN 13126-5. Opening widths of 89 and 100mm meet the requirements of the safety function according to DIN EN 13126-5:2015-01 "limiter for the safety ... in order to avoid unintentional passage through the window". The regulations of the respective state- and special building law and the legal regulations of the ETB- and ASR guidelines apply for the use on down-to-floor window- and sash elements. Depending on the sash dimension, the opening width can be increased up to 140mm (beyond the EN standard).

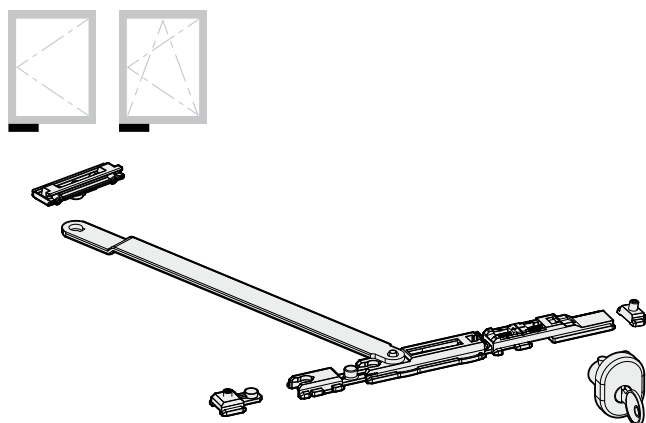
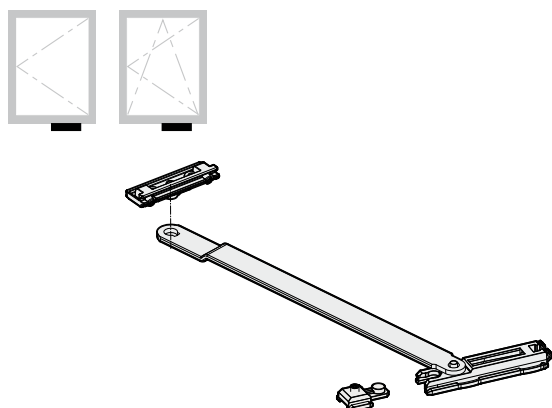
The leaf can be opened up to the cleaning position by operating the key. It is specified by the positioning of the end position locking.

A cylinder with forced locking function prevents an accidental continuous unlocking. When closing the leaf, it snaps safely into the first locking position and permits venting function only.

Optionally, the opening limiters are also available with an adjustable brake – with visible hinge side.



Due to the combination of the opening widths of 89–100mm and the forced locking function, the WSS opening limiter fulfils the highest demands on safety.



Opening Limiter

- for inward opening turn, turn-tilt and tilt-turn leaf (Eurogroove)
- Frame bracket, clampable and screwable
- Opening angle up to approx. 90°
- for right and left hand use
- all parts made from non-corrosive materials

Art. no.	Leaf width visible hinge side	Leaf width concealed hinge side
10.050.1000.000	425-750	—
10.050.3000.000	751-1,700	751-1.700
10.050.2000.000	—	550-750

Opening Limiter, lockable

- for inward opening turn, turn-tilt and tilt-turn leaf (Eurogroove)
- Frame bracket, clampable and screwable
- Opening angle according to the table
- for right and left hand use
- keyed alike with 2 keys, with forced locking function
- 2-stage opening width with locking
- Opening width individually adjustable
- Test according to DIN EN13126-5:2015-01 = 25.000 actuating cycles (opening widths 89 or 100 mm)
- Lock rose available in different colours
- all parts made from non-corrosive materials

Art. no.	Leaf width / opening angle visible hinge side	Leaf width / opening angle concealed hinge side
10.055.1000.---	450-575 / 50-90°	—
10.055.2000.---	576-880 / 40-90°	660-880 / 40-70°
10.055.3000.---	881-1,200 / 30-50°	881-1,200 / 30-50°

Surfaces available:

- .735 (Zinc cast silver lacquered)
- .740 (Zinc cast dark brown powder coated)
- .755 (Zinc cast RAL 9016 traffic white powder coated)
- .799 (Zinc cast in special finish)

Note:

The maximum opening angles listed above result from the leaf width and the profile geometry (please specify profile system). Special sizes or special opening angles on request.

Attention:

The combination of the lockable opening limiter with a bottom centre locking is not possible.

Brake insert

- Brake force infinitely adjustable

Art. no.
10.058.0000.000

Attention:

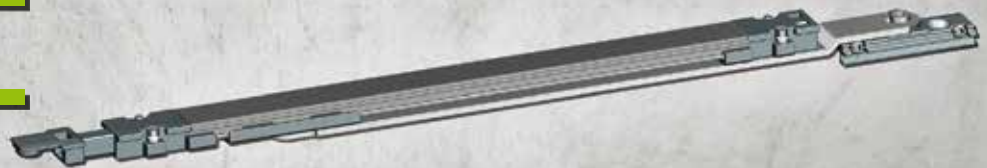
The brake insert may be used for window leaves with visible hinge side only.



Handle Controlled Opening Arrester

Continuously lockable,
simply with the turn of your hand

ON REQUEST



Individual ventilation position

The ventilation function of a turn-only window is usually limited to either the full opening of the sash, or to gap dimensions through the use of locking devices.

Conventional opening restrictors are mounted visibly on the frame, they have to be arrested in preset positions while holding the sash and they destroy the aesthetics of modern and high quality fittings.

With its fully concealed and continuously lockable opening arrester, WSS has created a solution which can be easily controlled via the window handle (one-handed operation) and that can ensure a stepless opening position up to 90°.

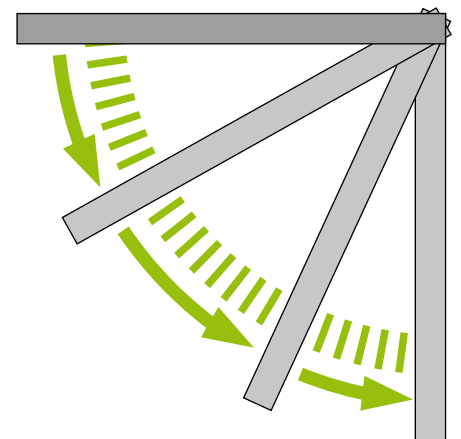
It is solely operated via the window handle. The locking mechanism of the opening arrester is initiated through mechanical friction.

Additionally, the opening restrictor is equipped with an end stop at 90°, in order to prevent the sash from hitting the window rebate or to prevent damage on the hinges due to over twisting.

Two different scissor sizes allow you to fasten and secure sashes from 650 up to 1,700 mm sash width.

Key Features:

- One-handed operation via window handle
- Solely operated
- Fully concealed
- Prevents autonomous movement of the sash
- Maintenance free
- All parts made from rust-resistant materials
- Frame section screwable or clampable, sash part clampable (punching screws)
- Opening restrictor can be unhooked
- Can be used right/left



The sash can be secured at any desired position.

Handle Operated Sash Restrictor

Accurate openings, safe ventilation

ON REQUEST

Key accessed, hardware incorporated sash restrictor

A safe and restricted ventilation function is often being realized by a boxy and distracting surface mounted device. On top such restrictor options are completely disconnected to the actual operating hardware.

WSS strikes new paths with its all new handle operated restrictor device.

The new WSS handle operated sash restrictor is a 3 step multi function hardware device.

The restrictor allows as a first step a standard turn opening width of 4"/100mm, (img.1). In this position the sash can easily be locked by turning the handle towards locking position. Step 2 activates the release option. While closing and locking the sash again and turning the Tilt-First handle at 180° (12 o'clock) position you release the restrictor from the hardware components which allows the sash to open all the way to its entire possible opening angle (img.2).

Closing the sash towards the frame, the restrictor will be re-activated again by overrunning a key point on that device. This step 3 is the safety option that always ensures to block an unmeant sash opening of more than 4"/100mm.

Consealed and smart incorporated to the hardware, the new WSS arrestable sash limiter is a great and simple-to-use solution that can be easily operated by the window handle.

Key features:

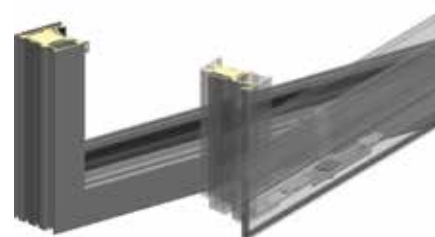
- Right/Left versions available
- Perfectly consealed hardware components
- Operated by Tilt-First handle
- All parts made of non-corrosive materials
- Maintenance free



img. 1



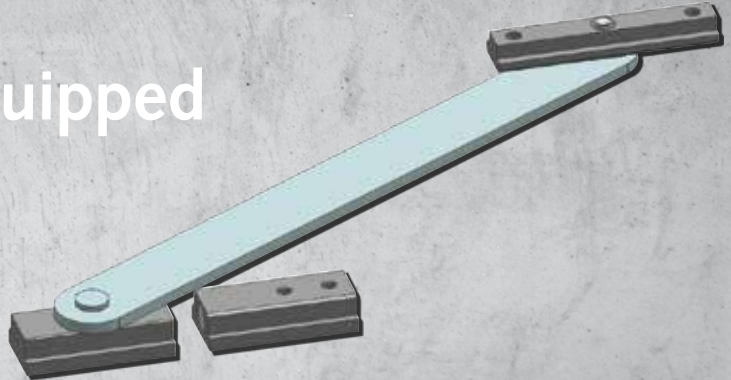
img. 2



Magnetic Opening Restrictor

Safe ventilation
Magnetically equipped

ON REQUEST

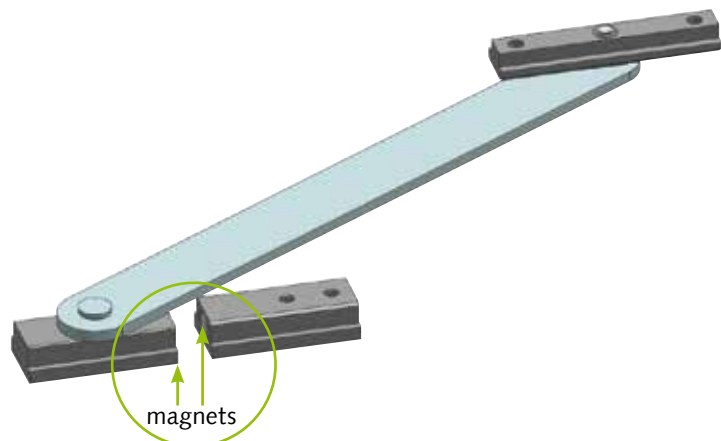


Adjustable magnetic sash lock for wide range openings

A safe ventilation function of the window sash at its adjustable end position is guaranteed by a magnetic device. The sash position is securely engaged, once the sash part connects to the magnetic frame device at its pre-adjusted opening position. High performance magnets ensure the adaptability to a wide range of window sizes and sash weights continuously adjustable magnetic frame parts allow a multitude of customized opening angles.

Key features:

- Key features:
- Right/Left version available
- Customized adjustment to avoid unintended sash movement
- For Turn & Tilt-Turn windows
- Wear and maintenance free, all parts made of non-corrosive materials
- Consealed screws for a safe





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