## The TITAN opening restrictor from SIEGENIA: pure flexibility

# New room comfort options for security and convenience

These options enhance security and convenience and protect the hinge sides of the windows: TITAN opening restrictors for turn-only and turn-and-tilt sashes provide room comfort, increase the durability of windows and reduce maintenance costs. With three new variants, SIEGENIA is opening up new possibilities for fabricators.

#### The TITAN 90° opening restrictor – for ease of use and durability

The TITAN 90° opening restrictor is a new addition to the SIEGENIA range. In order to protect the sash and hinge side against improper use and damage, it limits the opening width to 90° when turning open and protects the sash from bumping against the reveal or against furnishings. A truly unique selling point of the convenient new solution for turn-only and turn-and-tilt windows is the successful testing of the new solution in accordance with the DOEB guideline, which tests the durability of the hinge sides and the entire system by exposing them to extremely high loads. This makes it an ideal solution for elements subject to heavy use, especially in public buildings such as schools or hotels.

The high-performance end position damping also ensures room comfort. It ensures that the sash is damped before reaching the 90° position, can be moved into the end position smoothly and conveniently, and provides guaranteed durability and ease of use. The locked end position also prevents the sash from closing unintentionally when ventilating the room. The new 90° opening restrictor also impresses with its versatility: it is suitable for use with surface-mounted and concealed hinge sides in all profile materials, for burglar resistance up to RC2 and for thresholds. Fabricators benefit from its easy installation and the fact that it is completely zero-maintenance. It will be rolled out gradually in each system and hinge side from late summer onwards.

#### Safety and comfort opening restrictors: a stylish look with additional benefits

SIEGENIA has also expanded its portfolio with the safety and comfort opening restrictors, which boast a discreet and elegant appearance without the need for additional release mechanisms on the window sash. SIEGENIA offers reliable protection for kids with the childproof version in accordance with EN 13126-5. In compliance with this standard, the opening width is less than 89 mm when in the turning position. If required – in order to clean the window, for example – the opening restrictor can easily be disengaged by authorised individuals using the window handle. The closing process is also well thought-out: when the handle is turned back to the locking position, the restrictors automatically engage to restore the child-proof function. The performance of the safety opening restrictor has now been enhanced with the addition of a new anti-slam device, which locks the sash securely in the ventilation position.

#### Convenience in just one step

The comfort opening restrictor makes it especially easy to deactivate the opening restriction mechanism. It is suitable for applications without any specific safety requirements and, like the safety opening restrictor, it also reduces the opening width to less than 89 mm when in the turning position. If required, it can be conveniently engaged and disengaged by means of an intuitive mechanism that can be operated in one simple, user-friendly action. For this purpose, the window sash is equipped with a moveable component that can be used to release the opening restrictor. This enables end users to open the sash as wide as they like quickly and effortlessly. The comfort opening restrictor engages automatically when the window is closed.

#### Easy integration in the production line

The opening restrictors have distinct benefits when it comes to production. Thanks to their compatibility with the SIEGENIA hardware portfolio, they are easy to integrate into existing production processes. There is no need for additional holes or milling on the sash side.

#### Captions

Image database: SIEGENIA

*Image I: SIE\_TITAN\_opening restrictor 90°.jpg*

Certified in accordance with the DOEB guideline: the TITAN 90° opening restrictor from SIEGENIA protects the sash and hinge side against improper use and damage and prevents the sash from bumping against the reveal or against furnishings.

*Image II: SIE\_TITAN\_safety opening restrictor\_timber\_interior.jpg*

Now with anti-slam device: the opening restrictor from SIEGENIA, which is certified safe for children in accordance with EN 13126-5, features a discreet and elegant appearance and reduces the opening width of windows to 89 mm when in the turning position.

*Image III: SIE\_TITAN\_comfort opening restrictor\_timber.jpg*

The comfort opening restrictor from SIEGENIA reduces the opening width to less than 89 mm when in the turning position. It can be deactivated at any time in just one simple action – to clean the window, for example.

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