

Press release

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High demand for "Roto ELA" opening restrictor for aluminium windows / Standard order process possible for all common profile systems / Feasibility test at short notice instead of extensive special testing

Opening restrictor with final position locking in the standard delivery time

Velbert / Leinfelden-Echterdingen – The "Roto ELA" for aluminium windows, which locks in the final position and is controlled by the handle, is one of the most successful opening restrictors offered by Roto Frank Fenster- und Türtechnologie GmbH (Roto FTT). It is produced by Roto Aluvision. After a quick feasibility test at Roto, the "ELA" can be ordered straight away. It is usually delivered within the time period that is typical of standard products. Technical documentation is available in the Roto FTT download centre.

Tested in numerous applications

Roto initially developed the "ELA" opening restrictor as a special solution for a project. Since then, the effectiveness of the opening restrictor has impressed so many architects, investors and fabricators that several individual tests with applications have been performed for most aluminium profile systems available on the market. All metal constructors now benefit from these tests as this popular opening restrictor can generally be ordered for sash weights of up to 200 kg without the need for project-specific special approval.

The "ELA" is available for outward and inward opening windows which are opened by turning. On request, it can also be supplied for outward opening Side-Hung and Top-Hung windows after individual testing has been performed. Roto Aluvision would be happy to provide further details of possible uses and applications.

Test certificate for class 5/7

In a version which allows the sash to be opened to a width of up to 89 mm, the "ELA" meets the requirements of class 5/7 in accordance with DIN EN 13126-5. It can therefore also be installed in elements which, according to the invitation for tender, must ensure that children cannot climb through an open sash or open it any further.

Controlled by the handle and intuitive to operate

An "ELA" opening restrictor is always controlled by the window handle. In conjunction with the intelligent "TiltFirst" technology with lockable handle, when the cylinder is open a user can turn the handle to the 90° position to open the sash to the defined final position and lock it there. In the locked opening position, the sash is protected against slamming shut in windy and draughty conditions.

The sash can only be fully unlocked and turned open after the locked handle has been released when the window is closed: owners of the key can turn the handle to the 180° position and therefore release the opening restrictor to open the element fully for cleaning purposes. To return the window to the initial situation, i.e. to engage the turn restrictor, the window handle is simply switched back to the locked position when the sash is closed, without the need to use the key. Now complete opening of the window by unauthorised persons is blocked again.

**Highest performance class**

Aluminium windows tested by ift with one or two "ELA" opening restrictors, installed either only at the bottom or at the bottom and the top, achieved durability class 5 (25,000 cycles, 3750 locking and release cycles of the restrictor). All hardware components meet the requirements of corrosion resistance class 5 in accordance with DIN EN 1670 (highest class).



The "Roto ELA" for aluminium windows, which locks in the final position and is controlled by the handle, can be ordered at short notice in one of the many tested versions to suit a specific profile system after a quick feasibility test by Roto. It is usually delivered within the time period that is typical of standard products.

Image: Roto Fenster- und Türtechnologie

Roto_opening_restrictor_ELA_1.jpg



The "Roto ELA" opening restrictor features final position locking. Once opened, the sash is reliably locked at an individually defined width. This offers additional security if a window is open in an unoccupied room.

Image: Roto Fenster- und Türtechnologie

Roto_opening_restrictor_ELA_2.jpg



Matthias Nagat, Head of Sales and Product Management at Roto Aluvision, is pleased with how the demand for the “ELA” opening restrictor is increasing and how its approval process has been streamlined: “This very effective, proven opening restrictor can now be ordered in the same way as a standard product. Roto Aluvision carries out the profile assessment quickly and reliably.”

Image: Roto Fenster- und Türtechnologie

Matthias_Nagat.jpg

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