

## Press release

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Modern solutions for sliding elements made from any frame material and for all requirements / Coming soon: "Roto Patio Inline | SR" for extremely slimline aluminium systems / Demand is growing: "Roto Patio Inowa | Max" tightly sealed hardware system with comfort functions / "Roto Patio Lift | Slim" for sliding systems with Standard and Slim profiles up to 400 kg

### Space-savers from Roto

*Leinfelden-Echterdingen* – Large sliding windows and doors are popular around the world because of the great deal of space they save when opened. Roto Frank Fenster- und Türtechnologie GmbH (Roto FTT) is an internationally recognised supplier of premium hardware systems for sliding elements made from any frame material. At "BAU", the company demonstrated once again how much operating convenience and user safety can be gained by choosing the right hardware. The presentation at the trade show focused on established and new systems for aluminium elements with very slimline profiles. All of the sliding exhibits that were showcased at "BAU" were integrated into the virtual "Roto City" at the same time. The assigned regional specialist advisor from Roto Sales can show these to anyone interested in finding out more there.

### **New for extremely slimline aluminium sliding systems: "Roto Patio Inline | SR"**

Roto Window and Door Technology presented new, flexibly configurable Inline sliding hardware for the first time in Germany. The "Roto Patio Inline | SR" is characterised by its stability and robustness. This is thanks, firstly, to the high force and the pull-out strength of the hooks, as well as the highest level of corrosion protection (class 5). Secondly, the wide selection of adjustment options makes it easier to compensate for construction tolerances or distortion in the sash. The mishandling device can also be adjusted. The manufacturer emphasises that the "Patio Inline | SR" makes a cost-efficient yet high-quality technology available.

The range includes three different espagnolettes. All of them feature a push-back safeguard, including anti-jemmy device, which provides a high level of basic security. Versions with different backsets, lengths and extensions are available for sizes up to a sash height of 3000 mm, sash width of 2000 mm and sash weights of up to 200 kg. The hardware comes either with a single-action or reverse-action espagnolette and up to five locking points.

### **Ultimate operating convenience: "Roto Patio Inowa | Max"**

In just a few years, the smart, tightly sealed "Roto Patio Inowa" Parallel Sliding hardware has become one of the manufacturer's most successful systems worldwide. It is available for all frame materials. The "Roto Patio Inowa | Max" version is suitable for sliding elements, regardless of whether they are small or large. A ball bearing and height adjustable roller unit with integrated brushes and a comfort cam, which also has ball bearings, ensure smooth running and ease of use. Both minimise rolling friction when the sash moves.

### **Gentle giants**

The "Soft" functions offer extra comfort. "SoftClose" and "SoftOpen" are used for sash weights up to 200 kg. These two functions can be combined together and gently brake the sash just



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before its final position, before carefully pulling it into the locking position or its open final position. This allows users to guide and close even a heavy sash with ease.

Roto recommends integrating the “SoftStop” function at sash weights above 200 kg. This function helps ensure damped sliding of the sash and also brakes it, but does not automatically pull it shut or close it.

### **Elegant and secure: “Roto Patio Lift | Slim”**

With “Roto Patio Lift”, hardware is available for manufacturers of Lift&Slide systems which impresses with its exceptional smooth running and ease of use, even in high weight classes up to 400 kg. Versions of “Lift” are available for aluminium and PVC building elements, as well as for many common Standard and Slim profiles with groove widths of 16, 18 and 22 mm. Sliding elements with this Lift&Slide hardware can now for the first time be equipped with MVS contacts for electronic locking monitoring.

### **RC 2-compatible**

A locking pin for night ventilation makes it possible to ventilate the room without draughts. Dampers integrated in the espagnolette, even in the standard version, prevent sudden rebound of the handle and provide greater safety when operating heavy sashes weighing more than 300 kg. At the same time, they simplify assembly in production. Using the flush “DesignLocking” espagnolette and compatible strikers, plus drilling protection, an anti-jemmy device, a lockable handle and security-relevant components from the system supplier, means that the exhibit showcased at “BAU” with “Roto Patio Lift | Slim” for slimline profiles is compatible with RC 2.

### **The trio for security: hardware, sealing profiles and glazing blocks from Roto**

All sliding hardware from Roto has been tested according to durability class H3 in accordance with EN 13126. Even the standard version boasts class 5 corrosion protection in accordance with DIN EN 1670. The manufacturer recommends the “GL-SV” block from the “Roto Glas-Tec” range for glazing large sliding elements. With its reinforced profile leg system, it boasts a high load-bearing capacity for heavy insulating glass. Featuring a ventilation channel for constant rebate area ventilation and vapour pressure compensation, it can be used to produce high-quality and durable elements.

Eberhard Mammel, Director of Marketing and Product Innovation at Roto FTT, explained the benefits for producers: “The tested high product quality of our hardware, sealing profiles and glazing blocks helps building element manufacturers produce sliding systems sustainably.” On request, the sealing profiles can be optimally coordinated with the kinematics of the sliding system and the specific Roto sliding hardware that is selected to meet the customer’s individual requirements.



Robust, flexible and easy to adjust: with “Roto Patio Inline | SR”, it has been proven that the push-back safeguard in the gearbox effectively protects sliding doors against attempted jemmying. The hardware product range includes a total of three espagnolette versions which can be combined with up to five locking points. Large adjustment ranges make it easier to compensate for construction tolerances. The hardware achieves the highest level of corrosion protection – class 5.

**Image:** Roto Fenster- und Türtechnologie

**Patio\_Inline\_SR.jpg**



Concealed in the “Roto Patio Inowa | Max” Parallel Sliding hardware system: “SoftClose” and “SoftOpen” ensure ultimate operating convenience for sash weights up to 200 kg. The manufacturer recommends integrating the “SoftStop” function at sash weights above 200 kg. This function helps ensured damped sliding of the sash and also brakes it, but does not automatically pull it shut or close it. The image shows an aluminium installation in the format 4000 x 2536 mm from resistance class RC 2 with “SoftStop” comfort and MVS contacts for electronic locking monitoring.

**Image:** Roto Fenster- und Türtechnologie

**Patio\_Inowa\_Max\_Aluminium.jpg**



Using the “DesignLocking” espagnolette and compatible strikers, plus drilling protection, an anti-jemmy device, a lockable handle and security-relevant components from the system supplier, means that this sliding element with the “Roto Patio Lift | Slim” Lift&Slide hardware for extremely narrow profiles is compatible with RC 2. The image shows a sliding element in the format 4000 x 2548 mm, equipped with MVS contacts for electronic locking monitoring.

**Image:** Roto Fenster- und Türtechnologie

**Patio\_Lift\_Slim.jpg**



Eberhard Mammel, Director of Marketing and Product Innovation at Roto Frank Fenster- und Türtechnologie GmbH, underlines: “The tested high product quality of our hardware, sealing profiles and glazing blocks helps building element manufacturers produce sliding systems sustainably.”

**Image:** Roto Fenster- und Türtechnologie

**Eberhard\_Mammel.jpg**



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