



## Press release

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“Roto Patio Inowa“: New innovations developed and proven products improved / Hardware product range for sliding systems with three “Soft” functions / Convenient opening and closing / Safe operation / Different versions can be combined / Suitable for all frame materials / Activated by tensioning tool / Minimal complexity / Integrated control unit / Burglary inhibition retained in its entirety / “Good news about installation” / Fewer screws / Centre fixing easier to undo

### **Roto: soft sliding and economic production**

**Leinfelden-Echterdingen – (rp)** New functions for more operating convenience and safety, further simplified installation and reduced complexity – with this trio of advantages, the manufacturer is aiming to offer even greater benefits for customers and users of “Roto Patio Inowa”. Even before this, the demand for the “smart hardware for tightly sealed sliding systems” had been rising continuously. The basis for this is its characteristic features: the special closing movement of the sash transverse to the frame profile, the surrounding gasket and the active locking points in the mullion, which can be activated by lever handle. This is supplemented by the variety of possible formats, extending from small kitchen windows to floor-to-ceiling elements.

A new product configuration is resulting in positive effects that are “soft” in the literal sense of the word. One of these is the “SoftClose” function. This brakes the sliding sash and causes it to close automatically. This makes the sash much safer and more comfortable to use, which virtually eliminates the risk of misuse or incorrect operation. This function is fulfilled by a steel gas spring which



becomes tensioned when the sash is opened, while storing force for closing the sash again later.

As Roto states, the counterpart to this is the “SoftOpen” function. It briefly brakes the sash after opening and then moves it to the end position. The gas spring plays a crucial role here too.

According to the manufacturer, both versions can be combined and can be installed together in the hardware system up to a sash weight of 200 kg. This applies to all frame materials (PVC, timber, timber / aluminium, aluminium). Mechanically controlled, braked opening and closing ensures lasting fault-free operation of the sash and prevents uncontrolled collisions with the frame.

The manufacturer also offers an alternative for sashes weighing more than 200 kg, like those that are primarily used for timber and timber / aluminium sliding windows and doors. The “SoftStop” function also caters to the general trend towards higher element weights.

### **Concealed installation and constant RC 2 protection**

A specially developed tensioning tool is used to activate each function. It can be used as early as during production of the sliding window or after installation in the building. The components, with the control unit which comes integrated into each version, are effortless to install. The minimal complexity thanks to the low number of items allows for cost-saving production in all frame materials. Roto states that the three “Soft” functions are always installed concealed at the top of the sash. No routing work is required on PVC and aluminium elements. The profile used determines whether any routing needs to be carried out on timber sliding systems.

Using the latest trio of functions will not change the position of the locking points. The only modification that might be necessary is to replace the “normal” control unit with the “Soft” component. According



to information from the window and door technology specialist, the burglar inhibiting properties of the “smart” hardware are also retained in their entirety. This is why no new evidence of testing is required. In the case of parallel retraction sliding doors, “Patio Inowa” therefore offers RC 2 protection on the basis of DIN EN 1627.

### **Optimised components and reduced time required**

There is “good news” for professional customers in the installation sector too. First of all, this includes the number of screws, which has been reduced from six to four per assembly. This speeds up installation of the control unit, centre closer and roller unit. According to the manufacturer, the three optimised components fit into the same profile installation space as the current range. Manufacturers of sliding elements will also still benefit from the high level of tolerance compensation that is typical of this hardware series.

Last but not least, the time-intensive manual step of operating the handle lever several times to undo the centre fixing is no longer necessary. All that is required now is simply to screw the components together. Developing new innovations and consistently improve proven products – to summarise, Roto considers this permanent aim to be achieved with the “Patio Inowa” system (as well).



## Captions

As the manufacturer explains, three new “Soft” functions in the “Roto Patio Inowa” hardware product range ensure positive effects when it comes to the literal “soft” opening and closing of sliding elements. The result is much more convenient operation. The trio of functions also increases safety, as it virtually eliminates the risk of misuse or incorrect use.

**Photo:** Roto **lead\_image\_Patio\_Inowa.jpg**

Like with all assemblies from the “Roto Patio Inowa” hardware system, in future only four fixing screws (instead of the previous six) will be required for the redesigned centre closer component. This makes installation much faster. What’s more, all that is required now to undo the centre fixing is simply to screw the component in the sliding element.

**Photo:** Roto **Roto\_Patio\_Inowa\_centre\_closer\_application.jpg**

The components in the three new “Soft” functions of “Roto Patio Inowa” have integrated control units. They are effortless to install, as the manufacturer underlines. On the whole, the minimal complexity thanks to the low number of items allows for cost-saving production in all frame materials (PVC, timber, timber / aluminium, aluminium).

**Photo:** Roto **Roto\_Patio\_Inowa\_SoftClose.tif**

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