

## Press release

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Butt hinges, screw-on hinges and concealed hinges / A hinge from Roto for any profile material and door design / Certified long-term functional performance properties and ultimate protection against corrosion / For main doors and back doors / The ideal hinge for heavy doors too / Wide variety of colours for a harmonious door and building design

### **“Roto Solid”: the ideal hinge for any external door**

*Leinfelden-Echterdingen* – Although hinges are rarely the main factor when it comes to choosing a specific main entrance or back door, professionals know that their design has a decisive impact on the appearance of a door and therefore the purchasing decision. This is why Roto Frank Fenster- und Türtechnologie GmbH (Roto FTT) offers more: more technical versions, more colours, more surfaces.

Just a few weeks ago, the hardware manufacturer launched new butt hinges for PVC doors. They set standards in design and function. What’s more, the “Solid” range from Roto FTT also includes screw-on hinges for doors made from all frame materials as well as butt hinges and concealed hinges for aluminium doors.

Product Manager Theresa Oßwald emphasises that, optimised for their applications and manufactured from high-quality materials, Roto door hinges are set apart by their exceptional performance characteristics. The 200,000 opening cycles achieved in accordance with DIN EN 1935 and a ten-year performance warranty confirm their reliable durability. Thanks to the variety of available hinge types and surfaces, the “Solid” range offers manufacturers the ideal hinge for any door design.

### **Screw-on hinges**

The “Solid S” range includes screw-on hinges for all frame materials and any requirement. Large adjustment distances enable custom adaptations on the hinge side that contribute towards the functionality and durability of the door as a whole.

Users are able to cater to many different overlap heights with hinges from the “Solid S” range. For example, the “PS 27” proven screw-on hinge for timber and PVC doors covers overlap heights from 14 to 26.5 mm. “80 ATB” and “120 ATB” are suitable for flush and recessed aluminium doors. The “117 H” was designed specifically for the block profiles with negative overlap that are common in the Netherlands.

### **Butt hinges**

Butt hinges are becoming increasingly popular, with demand for them having reached a high level internationally. The latest hinges to be added to the “Solid B” range – “218 P”, “318 P”, “222 P” and “322 P” – were developed for PVC external doors. Door manufacturers can choose from two- and three-part butt hinges with a diameter of 18 or 22 mm.

The “Solid B” range includes the “224 A” (two-part) and “324 A” (three-part) clamp hinges for aluminium doors. Their clamping blocks are adapted to the system-specific groove on the

aluminium profile. This is how we closely collaborate with system suppliers to produce hinges optimised for their profiles.

On all butt hinges, the adjustment mechanisms are fully integrated in the hinge roller. This means that no gap is formed between the leaf hinge and frame hinge when adjusting the door. Offset outlines are prevented. Continuous height, lateral and gasket compression adjustment makes adaptations particularly convenient. RC 2 or RC 3 solutions are possible depending on the version and design.

### **Concealed door hinge**

Large aluminium main doors are on-trend. Many end customers have been won over by their modern design, elegant appearance and durability. With the “Solid C” concealed hinge, Roto FTT offers a premium solution that can be used not only for inward opening doors but also for outward opening ones if required. The black version of the concealed hinge is a particularly popular choice for dark aluminium profiles. With this combination, not only is “Solid C” concealed when the door is closed, it is hardly noticeable even when the door is open.

### **Wide variety of colours – ultimate protection against corrosion**

Not many people choose to look at hinges first when assessing the design of a door. But their influence on the appearance and impact of a door should not be underestimated. Oßwald underlines that, by offering “Solid” hinges in a variety of colours and surfaces, Roto is purposefully offering greater design freedom.

“Property owners would like to play a role in custom-designing their main entrance door in particular, down to the very smallest detail. Roto customers can meet this requirement with a wide variety of standard colours. And that’s not all – they can also order door hinges in many other RAL colours on request or uncoated for a custom surface treatment.” Some models could also be anodised or electroplated.

Most door hinges from Roto are powder-coated using a state-of-the-art automatic painting system at the Kalsdorf site. The corrosion protection on all door hinges conforms to DIN EN 1670 class 5, therefore meeting the most stringent requirements.



Whether visible or concealed, hinges with an elegant appearance and impressive technical features are important for the design and function of a door. The “Roto Solid” product range includes premium solutions for all frame materials. Thanks to a wide variety of models and colours, main doors with Roto hinges can be custom-designed to meet individual requirements.

**Image:** Roto

**Roto\_Solid\_1.jpg**



Roto door hinges (from left to right in the photo): the “Solid C” concealed hinge for aluminium doors, a butt hinge from the “Solid B” range and a screw-on hinge from the “Solid S” series. The manufacturer reports that all hinges boast impressive performance characteristics, certified long-term durability in accordance with DIN EN 1935 and ultimate protection against corrosion. Roto Frank Fenster- und Türtechnologie GmbH offers a ten-year performance warranty.

**Image:** Roto

**Roto\_Solid\_2.jpg**



With the “Solid C” concealed hinge, Roto offers a premium solution for aluminium doors. The black version is a particularly popular choice for dark aluminium profiles.

**Image:** Roto

**Roto\_Solid\_3.jpg**



Product Manager Theresa Oßwald is certain that “thanks to the variety of available hinge types and surfaces, our ‘Solid’ range offers manufacturers the ideal hinge for any door design”.

**Image:** Roto

**Theresa\_Oßwald.jpg**

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