

Window and Door Technology



Roto Patio Fold

Premium hardware for Fold&Slide systems with a large surface



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Roto Patio Fold – represents the highest levels of innovation and technology. It enables glazed elements to be folded and pushed aside with ease, creating a wide open space. The integrated Tilt&Turn sash works independently of the folding elements. It can be tilted for ventilation or opened to act as a door onto a balcony or terrace. The new enhanced threshold is characterised by its energy-efficiency, particularly smooth-running bogies ensuring a high level of user friendliness.

This diversity of possible applications makes Roto Patio Fold a desirable product for architects and builders.

Large Fold&Slide systems are ideally suited to conference and office buildings, hotels and guest houses, as well as buildings used by older and disabled people.

Roto Patio Fold is also an ideal option for private sector applications: Families benefit from improved access to winter gardens or terraces, and wherever spaces can be opened up to enhance the living area. The Roto Patio Fold&Slide hardware is suitable for timber, timber/aluminium, PVC and aluminium profiles.

Smooth running bogies: comfortable, quiet and durable

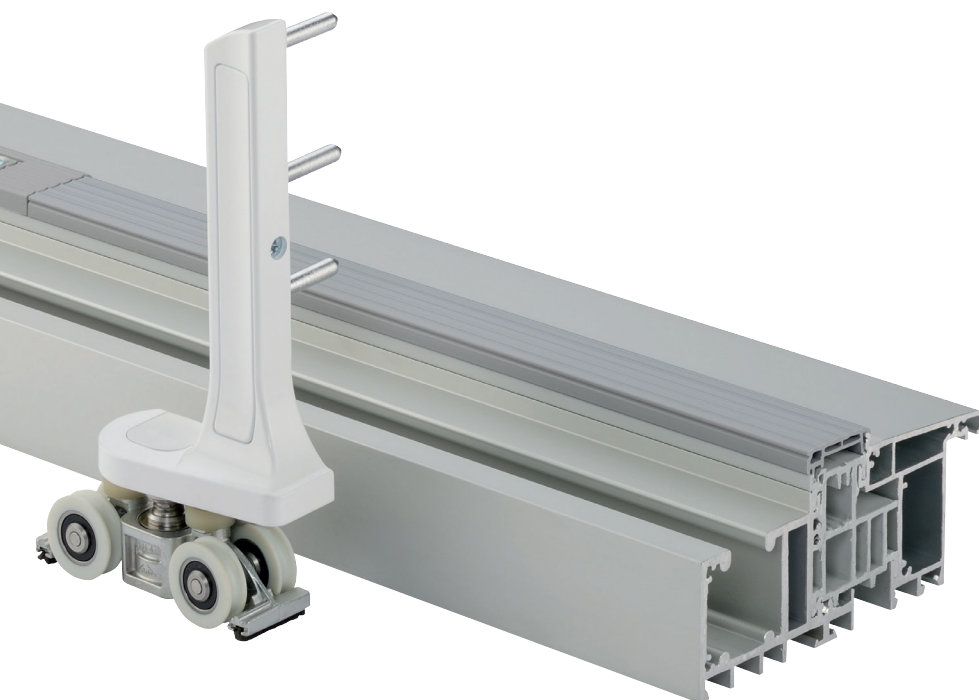
The precise guidance of the bogies is ensured by lateral rollers that are mounted on ball bearings and made from durable PVC. This ensures simple, quiet and convenient operation of both tall and heavy Fold&Slide elements over the course of many years.

Good to know: The installation of the sash on the bogie is simple and safe thanks to a device that prevents the bogie from slipping out of the support-bracket.

Roto Patio Fold is extremely flexible thanks to the infinitely adjustable options. With the help of an allen key, a height adjustment of +/-3 mm can easily be made.

Energy-efficient enhanced thresholds: Barrier-free at a high level

The combination of materials and advanced Roto technology ensures that the new enhanced threshold provides a high level of energy efficiency. Based on a thermal break, the insulating characteristics are increased significantly. An optimised isothermal efficiency prevents condensation and mould formation in the 20 °C / -10 °C range. The barrier-free properties afforded by Roto Patio Fold in accordance with DIN 18040 are a prerequisite for modern architecture and living.



**Smooth running bogie:
Convenient, quiet and durable**



Strong support-bracket: Enables tall and heavy sashes

Roto Patio Fold covers an extended range of applications in terms of size and weight. The application of newly developed support-brackets with optimised screw fixing and pin axes enable sashes with weights of up to 100 kg to be used safely. Fold&Slide elements with a potential height of 2.80 metres enable bigger and better views outside, whether the elements are closed or open.

Convincing data

- Sash weight of up to 100 kg per sash
- Sash rebate width of 450 mm to 1200 mm (access sash)
- Sash rebate width of 450 mm to 900 mm (folding-sash)
- Sash rebate height of 600 mm to 2800 mm

- Barrier-free in accordance with DIN 18040
- Enhanced threshold in accordance with the thermal insulation directive
- Variable opening types both inwards and outwards
- Frame external height up to a maximum of 6000 mm

High quality technology, successful design

Roto Patio Fold not only meets high demands made in terms of technology and convenience, it is also characterised by sophisticated design: slim, elegant, and available in many colours. This enables the premium Fold&Slide system to open up new dimensions in design. Roto Patio Fold – the Fold&Slide system that meets the highest of demands.



Strong support-bracket: Enables tall and heavy sashes



Frame hinge: Adjustable and powder-coated



Creates inner values

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Window and Door Technology

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For all challenges, the hardware system from a single source:

- Roto Tilt&Turn** | The Tilt&Turn hardware system for windows and balcony doors
- Roto Sliding** | Hardware systems for large sliding windows and doors
- Roto Door** | Matching hardware technology "everything about doors"
- Roto Equipment** | Additional technology for windows and doors