

Window and Door Technology



Roto Inline

Hardware systems for simple sliding windows and doors



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When it comes to making the most of a room, sliding windows or doors are an excellent choice.

Sliding open a balcony or terrace door means no sash protruding into the room. Sliding hardware from Roto also ensures simple, comfortable operation, high burglary protection, long lifespans and appealing aesthetics.

Roto Inline offers a variety of solutions, coordinated to meet numerous customer and market requirements.

The right hardware for all needs

The completely concealed Roto Inline hardware with multi-point locking system is suitable for PVC, aluminium and timber profiles with sash weights of up to 200 kg. The modular design principle opens up a wide range of design options.

All components can be mounted simply and combined with each other easily. This means specific requirements for security, comfort and design can be achieved.





Bogies that move more easily

Sashes can slide with ease thanks to heavy duty bogies with a high load bearing capacity that enable uniform, smooth running. Depending on the sash size or weight, single or height adjustable tandem bogies can be used. These are fitted with sliding or ball bearings. All Roto Inline bogies are Euro-groove compatible.

Solid basis for quiet operation: Single bogie

For sash weights of up to 50 kg and roller tracks with R-profile, we offer fixed-height single bogies with sliding or ball bearing mounted rollers. The advantages of the ball bearing versions are:

- Smooth to operate and quiet running
- Rollers made from high performance PVC put an end to the deformation of operating surfaces that may otherwise occur during a long period of down-time
- Fibre-glass reinforced PVC housing provides corrosion protection and high levels of stability

Float a sash weighing up to 200 kg with the Tandem Bogie

All tandem bogies are height adjustable and fitted with two high-quality sliding or ball bearing PVC rollers as well as galvanised, corrosion-resistant steel housings.

The ball bearing versions in particular are characterised by their excellent operating properties and whisper-quiet operation.

There are four types available for selection according to the various sash weights:

- Bogie for up to 200 kg: with ball bearing PVC rollers for R roller track. Profile-related underlays are available
- Bogie for up to 120 kg: with ball bearing rollers for R roller track
- Slimline bogie for up to 100 kg: for use in profiles with low groove, fitted with sliding bearings for R and V roller tracks
- Bogie for up to 80 kg: PVC rollers with sliding bearing for R roller track





Attractive, functional, versatile: the new family of handles

For the Roto Inline sliding system we offer a large selection of comfortable pop-up and sliding handles in the elegant Roto Line Design. They bring together clever design, functionality and modern styling.

The handles can be quickly and easily mounted, are extremely well made and very robust. Lockable versions for standard cylinders are available: the ideal solution for terrace doors.

Unlimited options: the Roto Line sliding handles

Roto Line sliding handles open up numerous variation options. Four different exterior handle versions may be combined in any way with three different interior handles. With the help of the relevant accessories set, these handles can be mounted simply and quickly.

Additional features:

- Large selection of colours and surfaces: powder-coated in traffic white or cream-white, black, silver, grey-brown, gold or shiny chromium, or uncoated for an individual paint or coating finish
- Wide range of uses: for sash profile depths of 38 to 77 mm



Overlapping is not a problem: the Roto pop-up handle

The retractable pop-up handle is the ideal solution for overlapping sliding sashes. The handle is almost flush in the profile but can simply be lifted from the base plate and turned easily to unlock and then slide the sash.

On closing, it can be retracted back into the original position. The pop-up handle is available in all RAL colours or uncoated. It may also be supplied with an individualised logo if requested.

Smooth running, safe and robust: the espagnolettes

All Roto Inline systems use a multi-point locking system with either a single direction or reverse-action movement. All the espagnolette components are precisely co-ordinated to ensure smooth running and easy, reliable operation. Anti-jemmy protection is standard. The interlocking mushroom cams, hooks or claws along with the optional lockable espagnolette versions all ensure a high level of security.

Other advantages are:

- Easy installation thanks to centre-fixing espagnolette
- Robust and corrosion-resistant thanks to Roto Sil Nano surfaces
- Can be used in PVC, timber and aluminium profiles (with clip-in adapters) from a groove depth of 5 mm
- Optimum mishandling-device for espagnolettes with 14 mm hooks prevent operating errors

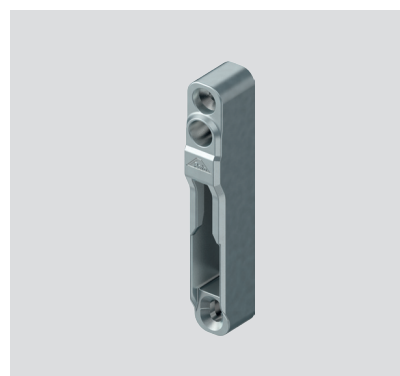
New, strong and exclusive: the profiled faceplate

Only inline espagnolettes from Roto have a profiled faceplate. This ensures increased stability, reduces the bending of the components and guarantees a long service life and easy operation thanks to the cam-collar supported and wear-free guidance of the locking points.

Robust and versatile in application: the locking elements

We offer locking elements that are corrosion-resistant, robust, and perfectly tailored to the various lock types:

- Zinc diecast strikers: in closed, extremely robust design, with height adjustment and opening for anti-jemmy pin. Available in three lengths. Can be used with mushroom cams, hooks and claws
- 1 and 2 piece striker strips: for same direction and reverse-action espagnolettes. Available in various versions, some with individually adjustable lengths. Can be combined with hooks and claws





Creates inner values

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From a single source: Optimum hardware systems to meet all challenges:

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