

Roto AL Designo

Concealed hardware for aesthetic aluminium windows and balcony doors

Brochure



NEW
Now up to
180 kg



Roto AL Designo

Concealed hardware for aesthetic aluminium windows and balcony doors

Pioneers in the aluminium sector

Roto aluminium window and balcony door hardware systems combine state-of-the-art technology with maximum security as well as appealing aesthetics.

The modular design principle enables them to be integrated into all conventional Euro-chamber profile systems. Due to the use of corrosion-resistant materials, the hardware lasts longer and offers a high level of resistance against environmental influences.

The Roto aluminium range – discover progress!

The Roto hardware system for aluminium windows and balcony doors now lets you implement any project quickly and in outstanding quality. Our new Roto AL and Roto AL Designo hardware systems ensure that you find the right solution for every construction project.

Roto AL

The universal hardware with surface-mounted hinge-side, sets new standards for fabrication friendliness and cost-effectiveness.

Roto AL Designo

However, if your requirements are more focussed on particularly aesthetic windows with no visual obstructions, your first choice is always Roto AL Designo, the fully-concealed hardware for large aluminium windows and balcony doors.

Roto AL and Roto AL Designo: two hardware systems that optimally meet your market requirements.

Roto AL Designo – The Aesthete

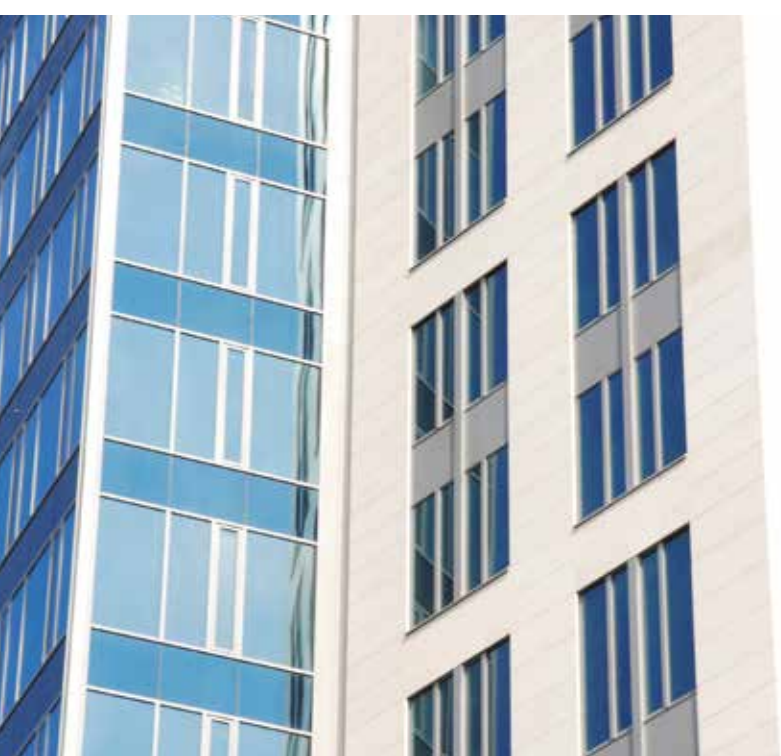
The planning and design opportunities for attractive construction projects with ceiling height sashes are limitless. At the same time, the requirements in relation to durability, ease of operation and security are constantly rising.

The Roto AL Designo hardware system meets all of these expectations and can be implemented for any shape and size of window, as well as for all opening types.

Visual obstructions can quickly arise if several windows of different sizes are combined. Not so with Roto AL Designo: the hardware system is characterised by its concealed hinge-sides of up to 3,000 mm for room height sashes. This guarantees a consistent and uniform appearance.

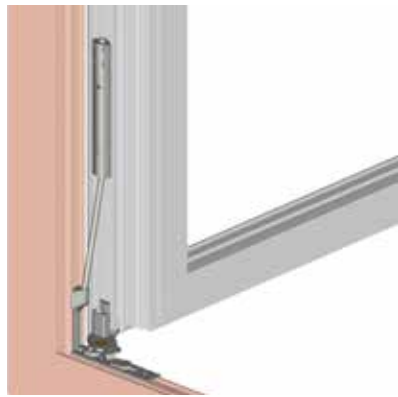
Roto has also optimised the time and expense needed for the hardware system's installation. Such as by using Torx drive units on the frames and sash components.

Roto AL Designo, the concealed hardware for aesthetic aluminium windows and balcony doors is ideally suited for resistance classes RC 2 and RC 3.



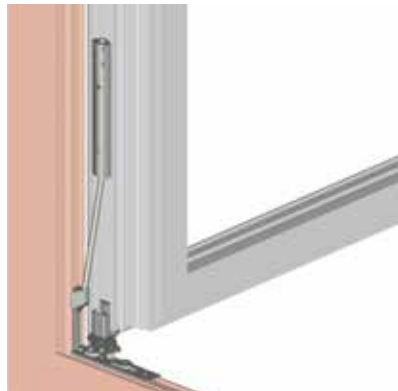
Roto AL Designo

Simply beautiful. Extremely robust.



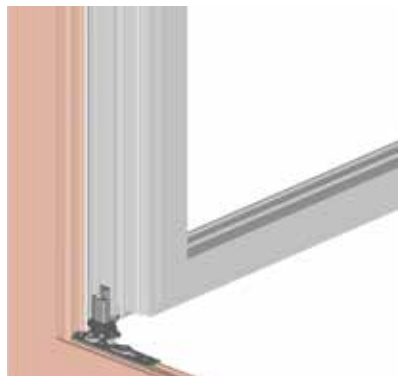
Roto AL Designo – 180 kg

Roto AL Designo is tailor-made for maximum durability requirements of the hardware solution. With a special hinge-side made from high-tensile materials, it can be used for large and heavy windows or balcony doors with sash weights between 150 and 180 kg and sash heights of up to 3,000 mm. The Tilt&Turn or Turn-Only sash opening types are concealed.



Roto AL Designo – 150 kg

For all conventional window shapes with sash heights of up to 2,700 mm and sash weights of up to 150 kg, this version impresses with its load transfer qualities. All opening types, from Tilt&Turn, Turn-Only, Tilt-Only or French window sashes through to TiltFirst, can be used.



Roto AL Designo – 100 kg

Ideal for all conventional window shapes with sash heights of up to 2,700 mm and sash weights of up to 100 kg without load transfer, this version covers all opening types, from Tilt&Turn, Turn-Only, Tilt-Only or French window sashes through to TiltFirst.

Fabrication made easy

Because speed counts



3,000 mm high sash – for maximum sales opportunities

Room-high sash elements are beautiful and are currently in trend. Roto has extended the maximum sash height of the Roto AL Designo to 3,000 mm. As a result, Roto facilitates additional sales for customers – regardless of customers' requirements.



Torx drive units – mounted faster and safer

Roto makes hardware installation easier by using Torx drive units for the frames and sash components. This ensures that the required torques are consistently achieved and makes installation effortless, faster and safer. The result: fabricators benefit from lower manufacturing costs and higher fabrication quality.



Plug-in corner drive – save time without tools

Roto has equipped the Roto AL Designo hardware system with a corner drive that is fixed with a plug-in clamping fork – for faster, tool-free assembly. The 'A' striker is also no longer required. These innovations speed up the fabrication process and ensure a permanent reduction of manufacturing costs.

Quick and correct Standardised error prevention

Fixed dimension connecting-rods – worthwhile error reduction

Errors when calculating striker positions are a thing of the past: Roto has standardised the T4 and T5 connecting-rods and defined their appropriate fixed dimensions. The fixed dimension of the connecting-rod can be cropped in advance. This means that Roto AL Designo helps reduce manufacturing costs on two fronts.

Watch and learn

The Roto assembly videos clearly show how to avoid typical sources of error and how the right tips and tricks will save you valuable time.

www.roto-frank.com/de/al-designo-video



Customised support Roto Services

As a technology and market leader for window and door hardware systems, we not only offer you the highest standards in terms of security, comfort and design, but rather also rely on our top-class service. We pursue our motto 'Close to the customer' and support you wherever you need assistance.

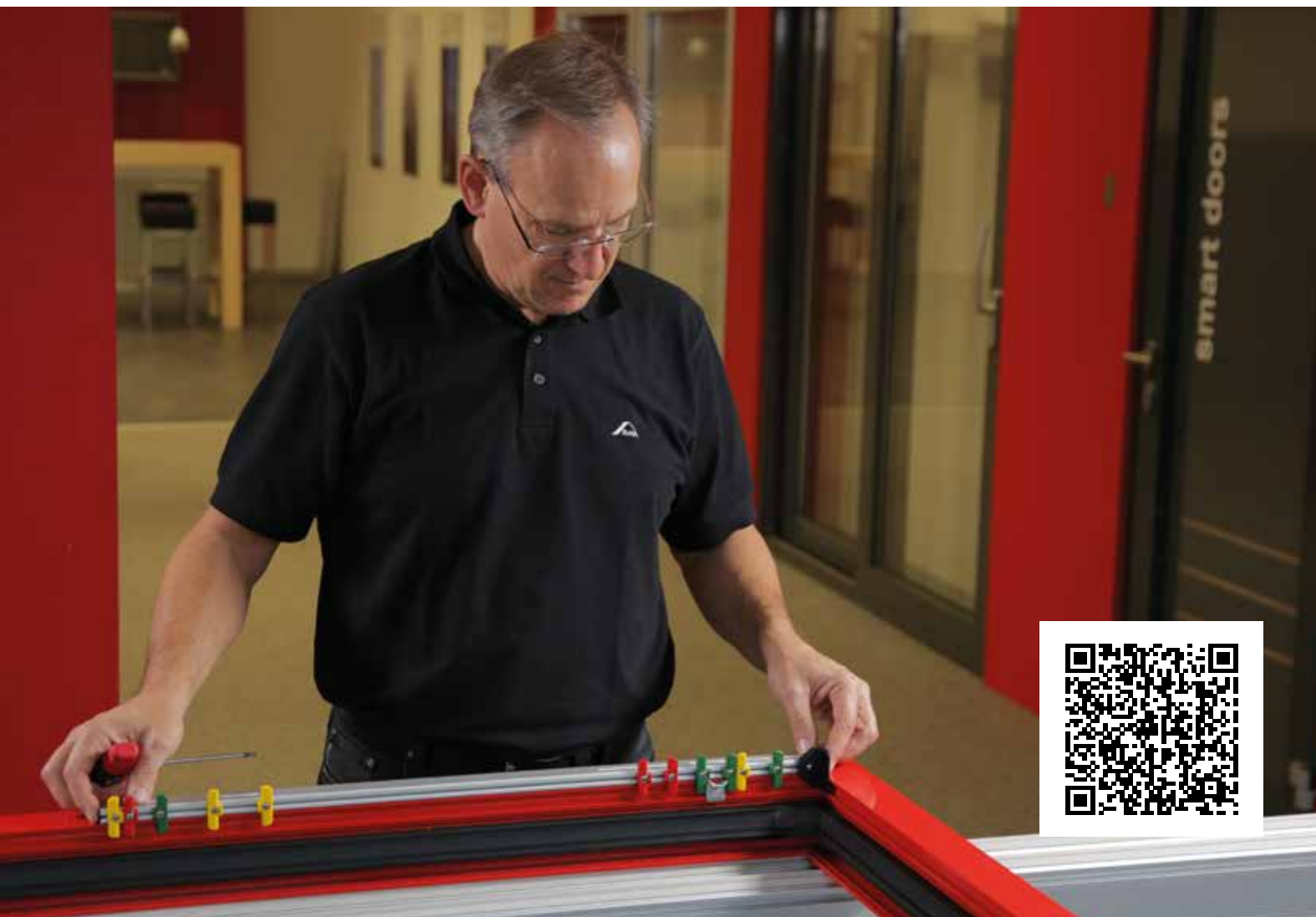
Roto Object Business – security in planning and implementing special solutions

Are you facing a challenge that you cannot implement merely by using standard hardware systems? Roto Object Business is a strong partner that can help you implement your projects safely and cost-effectively. Our experienced technology, design and sales specialists, in close coordination with you, develop the optimal hardware solution for your objectives. Whether large and extremely heavy windows, particularly delicate profiles, or futuristic geometries – we can help. Fast, flexible, reliable and personal.



Roto Con Orders – the online hardware configurator

The high performance online hardware configurator, Roto Con Orders, ensures that the individual configuration of hardware for all current window and door variations and opening types is quick and easy. In just four steps you receive your individual parts list, including a technical illustration of the hardware itemising. You can then change, adapt or customise the list in any way that you see fit, if necessary. Save time during configuration, administration and ordering: with Roto Con Orders.



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

- Roto Tilt & Turn** | The Tilt&Turn window and balcony door hardware system
- Roto Sliding** | Large sliding window and door hardware systems
- Roto Door** | "Everything about doors" matching hardware technology
- Roto Equipment** | Additional window and door technology