



TECHNOLOGY IN MOTION

Your Lift and Slide World

MACO SOLUTIONS FOR YOUR **PVC AND ALU LARGE SURFACES**




PVC

ALUMINIUM

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Your Lift and Slide World Take a look at us

Welcome to MACO – the system provider for your PVC and aluminium large surfaces. Learn about our range of solutions and services in this brochure. Immerse yourself in the diverse MACO world.



That living feeling? Without limits

Large glass surfaces create a sense of limitless space and flood a house with light. But from which material should a lift and slide door be made? Regardless of whether PVC or aluminium – at MACO you will find hardware solutions for all different materials.

PVC is a real miracle material, as it boasts durability and robustness. In addition, it is the most cost-effective material on the window and door market.

And aluminium? This is today an indispensable part of modern architecture, as it boasts a modern touch and weather resistance. In addition, this durable material is the chameleon of surface design and excellent for large glass surfaces.





Premium In all respects

With RAIL-SYSTEMS, MACO offers you premium hardware for your large PVC and aluminium surfaces. Meet the demands of contemporary living and implement a wide range of design options that make every wish come true. For example, offer your customers modern designs with discreet frames. In addition, you shine with top accessibility, comfort and security.

In short, whatever it is you need, MACO has the matching components for you.



Well thought-out on all corners and ends

At MACO, you can rely on durable, high-quality hardware and much more. MACO helps you to produce your standardised lift and slide doors, which are at the forefront of home security.

Together we find the ideal solution for your customers. We at MACO think holistically and do not provide you just with individual parts, but mature hardware systems.

Take advantage of our well-thought-out concept, which offers you freedom of design for your PVC and aluminium lift and slide doors.



Playfully simple Well prepared

No two lift and slide doors are the same, because each customer has different comfort, security and budget requirements.

With our versatile systems, we arm you for all requirements. Our quality hardware are perfectly suited to all well-known profiles.

This means, you don't have to reinvent yourself every time but can take advantage of our well thought-out solutions – “ready-to-wear”.







Our system variants for PVC

Your variety

Durable, weather-resistant and yet affordable. This is what distinguishes the popular material PVC. On the following pages we show you which components you need for your lift and slide systems – for the Premium, Standard and Basis variants.

LIFT AND SLIDE SYSTEM PREMIUM

The Extra in-house

The premium version “Panorama” for PVC is your first choice when concealed hardware and narrow frames are required. The well-thought-out system enables maximum comfort and accessibility, and the optionally available screw-on motor stands out in particular. Not to mention the “HS MACO Comfort close” which brakes the sash and automatically pulls it into the closed position with just a slight push. And the “HS MACO Comfort stop” dampens the end-stop.

What you need

Everything from a single source

- › Hook drive gear
- › Stainless steel handle
- › Roller packs with brushes
- › Roller track barrier-free
- › Threshold construction for increased energy efficiency

Differences to the “Standard” system

- › Hook drive gear flush mounted
- › Solutions for fixed glazing
- › HS MACO Comfort drive (motor)
- › HS MACO Comfort close / stop



HS MACO COMFORT CLOSE / STOP

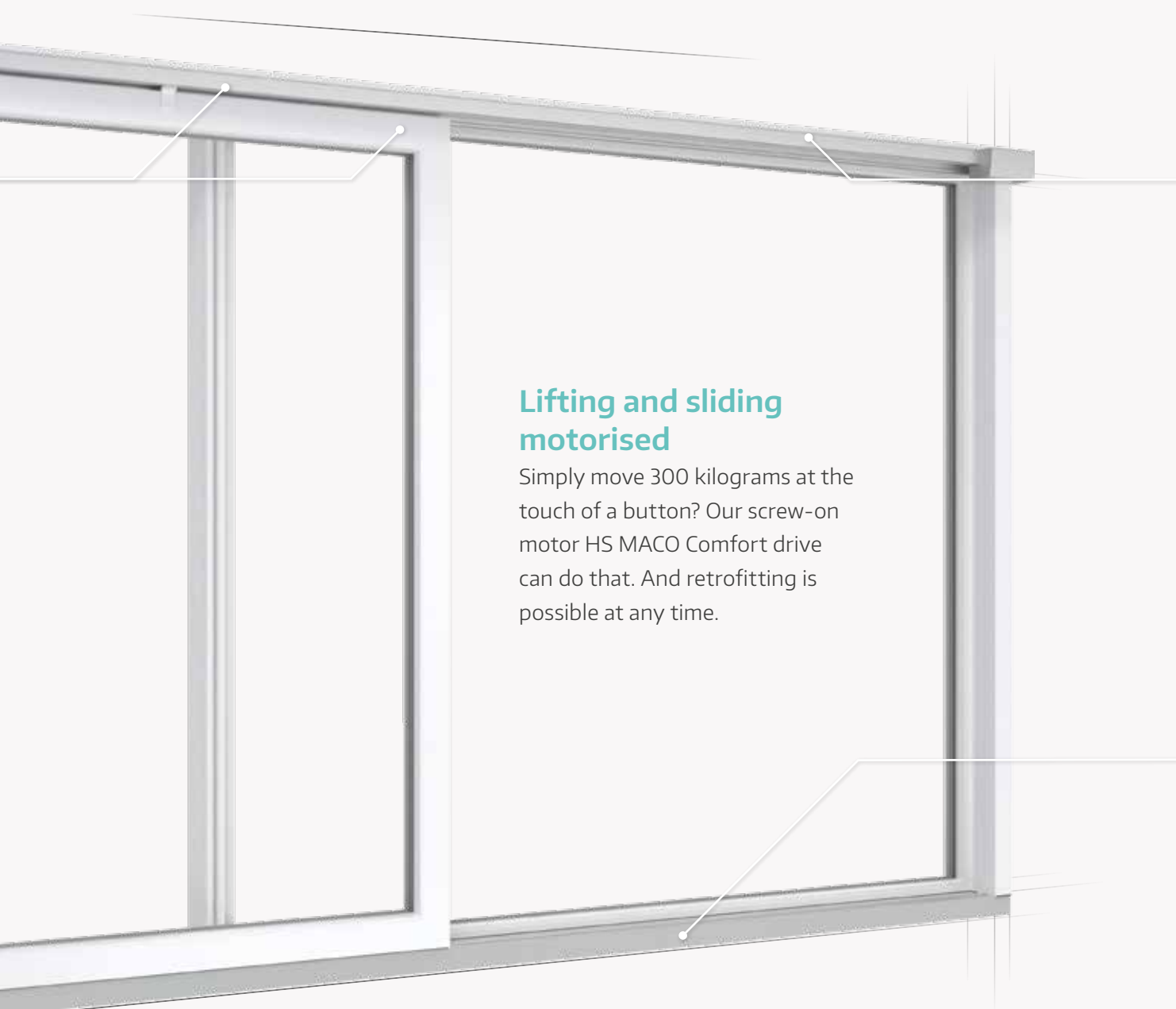
Retrofittable – saves the building structure, safely brakes the sliding sash



HOOK DRIVE GEAR FLUSH MOUNTED

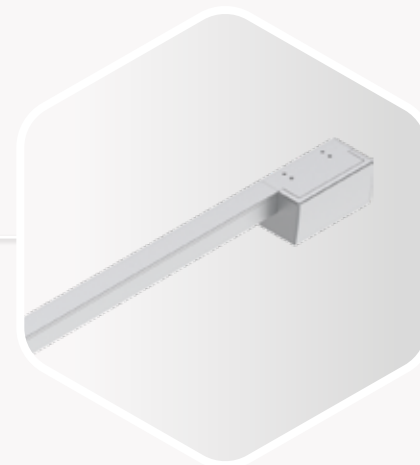
Ensures a beautiful look and security



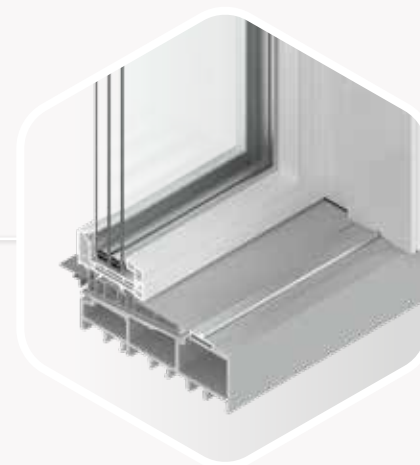


Lifting and sliding motorised

Simply move 300 kilograms at the touch of a button? Our screw-on motor HS MACO Comfort drive can do that. And retrofitting is possible at any time.



HS MACO COMFORT DRIVE
Screw-on motor variant



THRESHOLD CONSTRUCTION
With fixed glazing – for the realisation of large glass surfaces

LIFT AND SLIDE SYSTEM STANDARD

Completely classic

Looking for the tried and tested middle ground? Then, choose the Standard variant for your lift and slide system. The basic equipment is supplemented here with, among other things, the operating control support and locking bolts with night ventilation. This means that the dark things remain outside, and only fresh air comes in.

What you need

Everything from a single source

- › Bolt drive gear
- › Handle in many colours
- › Roller packs with brushes
- › Threshold construction for controlled
- › System coordinated intermediate profiles

Differences from the »Basis« system

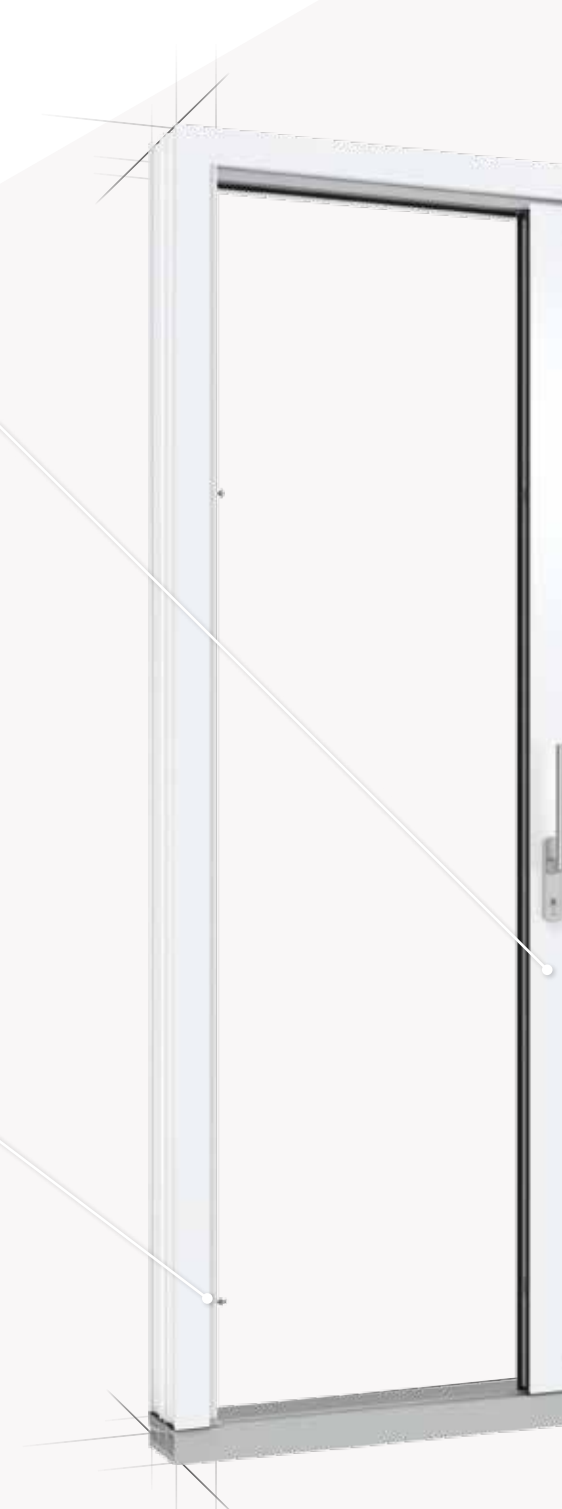
- › Threshold construction for increased energy efficiency
- › Locking bolts with night ventilation
- › Operating control support
- › Spring-loaded additional rollers



OPERATING CONTROL SUPPORT
Allows feather-light lifting of the sash



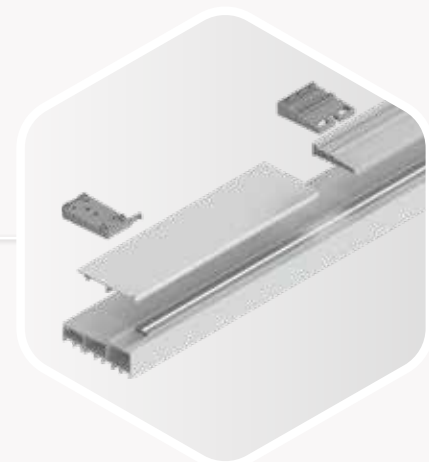
LOCKING BOLT
With night ventilation – fresh air and yet secure





**SPRING-LOADED
ADDITIONAL ROLLER**

Reduces operating force –
important for sash weights
above 300 kg



**SINGLE PIECE GRP
THRESHOLD BODY**

For drainage and increased
energy efficiency

LIFT AND SLIDE SYSTEM BASIS

Make it easy

Small investment, big impact – should it be a purist PVC lift and slide door? Then, the Basis variant is the right choice. And to make things particularly comfortable for you as a fabricator, you get the connecting rod outside the chamber as well as stackable shims for rollers and drive gears. Assembly simply doesn't get any easier than this. And don't forget that the bolt drive gear allows a high tolerance compensation.

What you need

Everything from a single source

- › Bolt drive gear
- › Handle in many colours
- › Roller packs without brushes



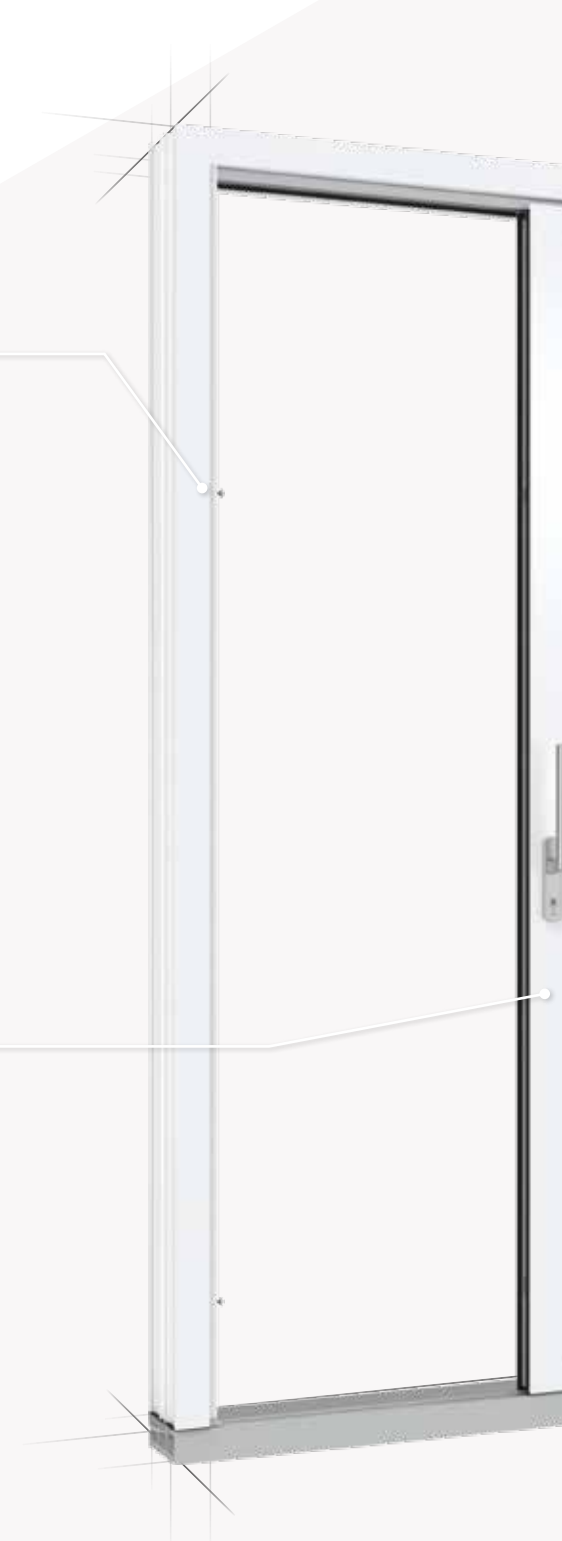
LOCKING BOLT

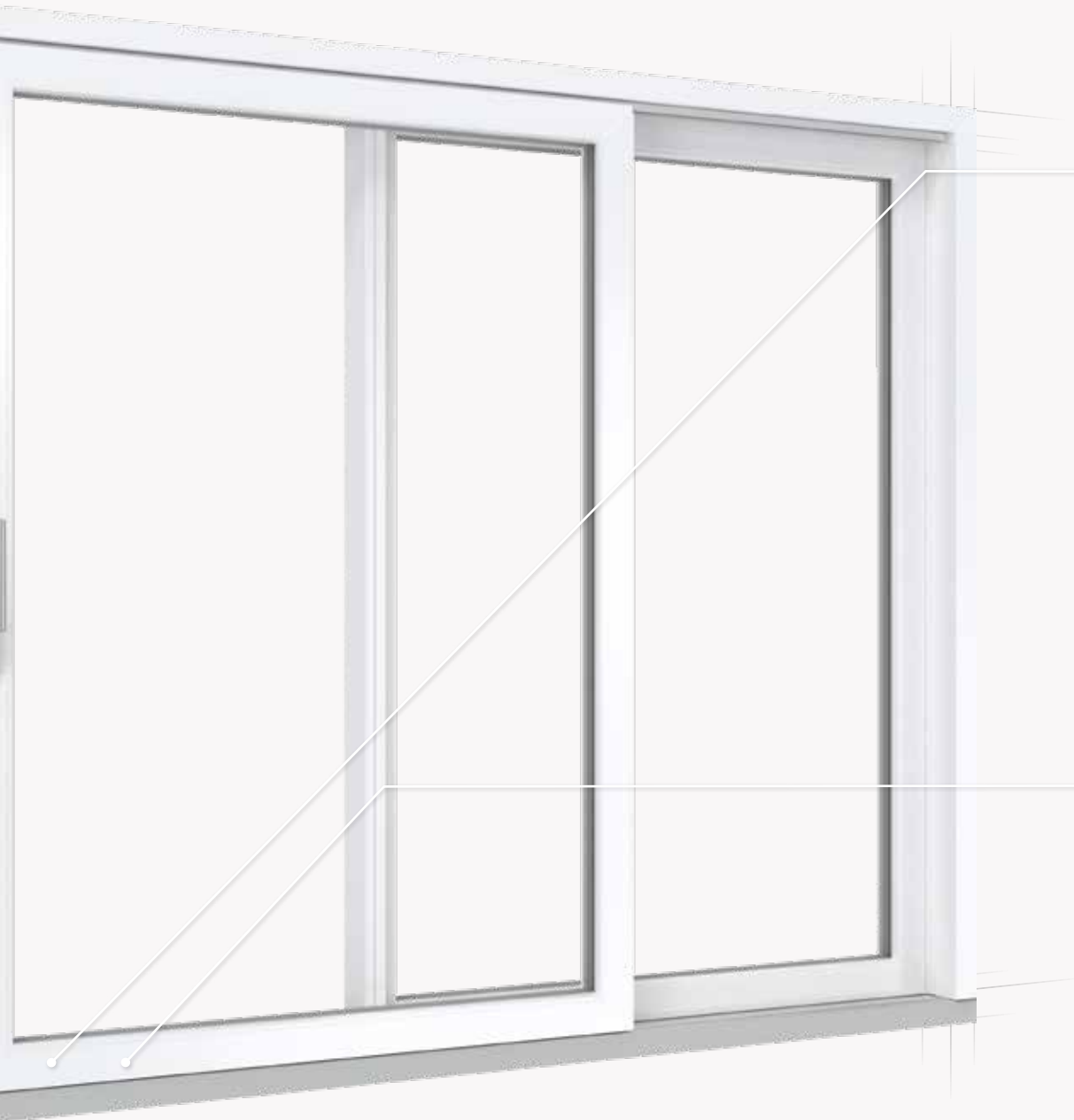
Matching every profile –
proven long term performance



BOLT DRIVE GEAR

Unique on the market – the drive
gear covers the entire sash edge





STACKABLE SHIMS
Easy and secure assembly



**CONNECTION ROD OUTSIDE
THE CHAMBER**
The positive and stable
connection prevents permanent
grinding of the sash

RESISTANCE CLASS 2

Versatile certification

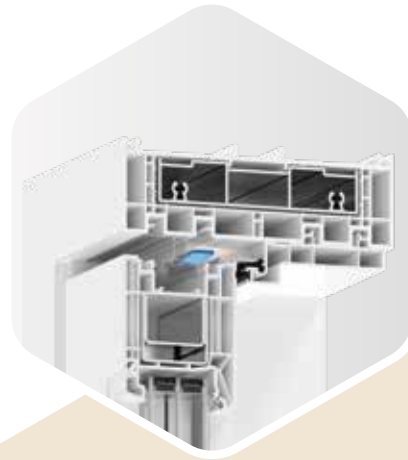
Lift and slide doors that comply with the Resistance Class 2 safety standard? With MACO, you can easily produce these – you simply need to add the RC2 accessories to your standard set.

And best thing is that you can use the MACO certification program in an easy way – you save on testing effort, but still enjoy the full freedom. Thus, you can design your RC2 element the way your customer wants it. Your MACO contact person will be happy to inform you which PVC profiles we already have in the certification portfolio.

What you need

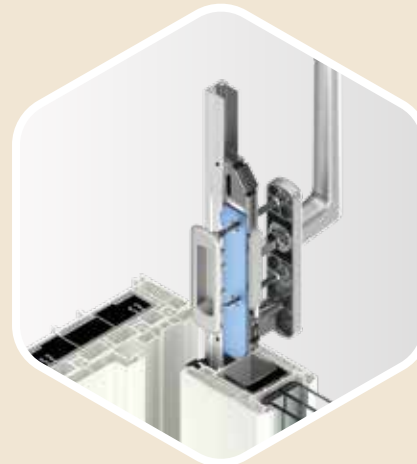
RC2 accessories from a single source

- › Middle locking with hooks
- › Additional locks on the drive gear side
- › Drilling protection to secure the lock case
- › Profile cylinder for locking the mechanics
- › Anti-jimmy device for sliding sashes



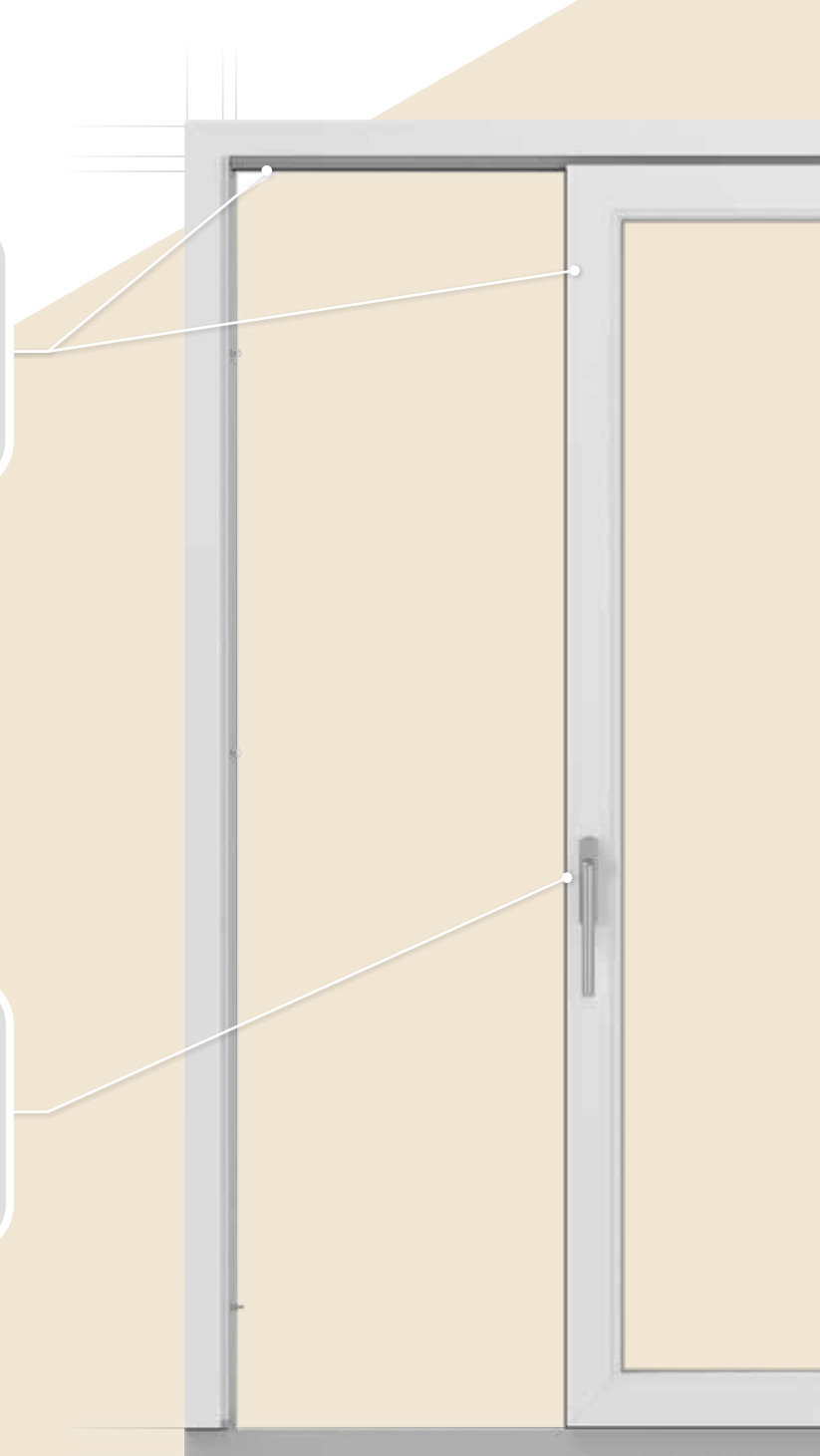
ANTI-JIMMY DEVICE

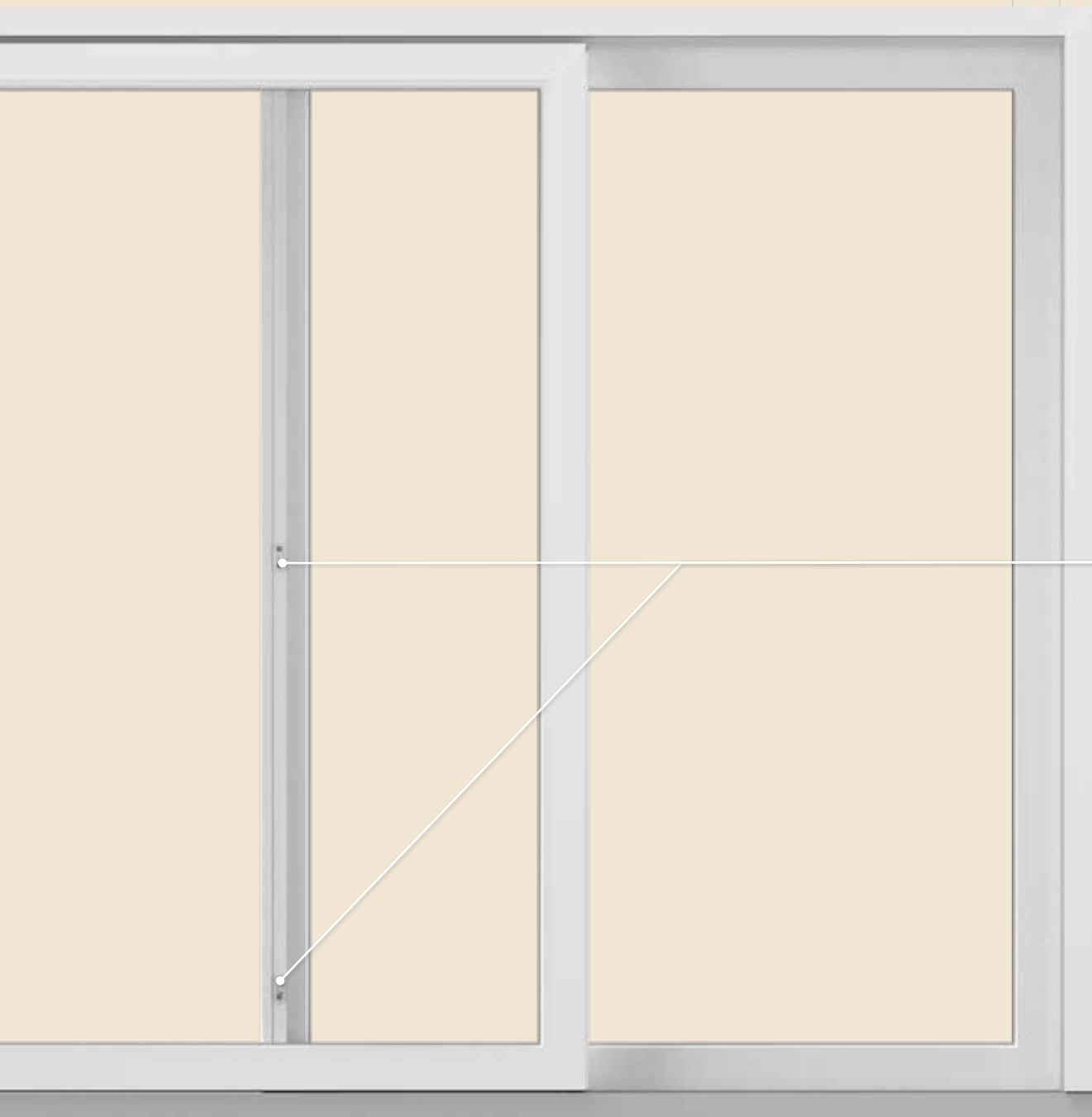
Prevents the sliding sash from being lifted over the flat threshold



DRILL PROTECTION

Protects against external manipulation





**MIDDLE LOCKING
WITH BOLTS**

Hooks itself in, in case
of a burglary

System testing? Many options!

Our system testing enables:

- › Multiple schemes (A, C, G, K)
- › Standard fixed sashes or fixed sashes with slim frames (“Panorama” solution)
- › Aesthetic hook or bolt drive gear, energy-efficient GRP body or simple frame covering
- › Accessible flat roller track or high roller track, sash size freely selectable
- › Standard PVC – white or with aluminium shell





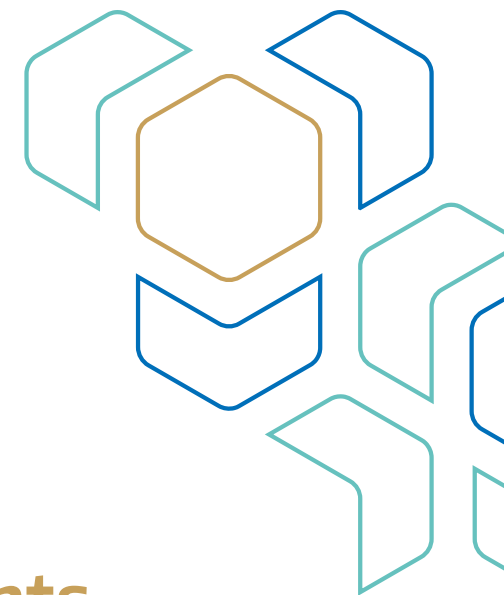
Expand your range We train you on RC 2

Would you like to offer your customers lift and slide doors with RC2 equipment? With our certification in the course of our licensing process, you can prove that you are a professional in the field of burglary prevention. Our MACO experts will comprehensively train you on this.

Do you have any questions? We will be happy to give more information on our **MACOAcademy**.

www.maco.eu/macoacademy





Our system variants for aluminium Your variety

“Architects’ favourite – Alu”. Aluminium and timber-aluminium large surfaces are becoming increasingly popular in modern construction thanks to their contemporary feel and high quality. On the following pages we present you with our system solutions in the “Premium”, “Standard” and “Basis” variants. See what you need for your lift and slide system.

LIFT AND SLIDE SYSTEM PREMIUM

The Extra in-house

With our Premium variant you are playing in the top league. Nothing interrupts the view when flush mounted hardware is supplemented by minimal frames. This is a design solution that sets special standards. The hook drive gear combines security with good looks, and the steel hooks ensure a high level of burglary protection.

What you need Everything from a single source

- › Hook drive gear
- › Stainless steel handle
- › Roller packs with brushes

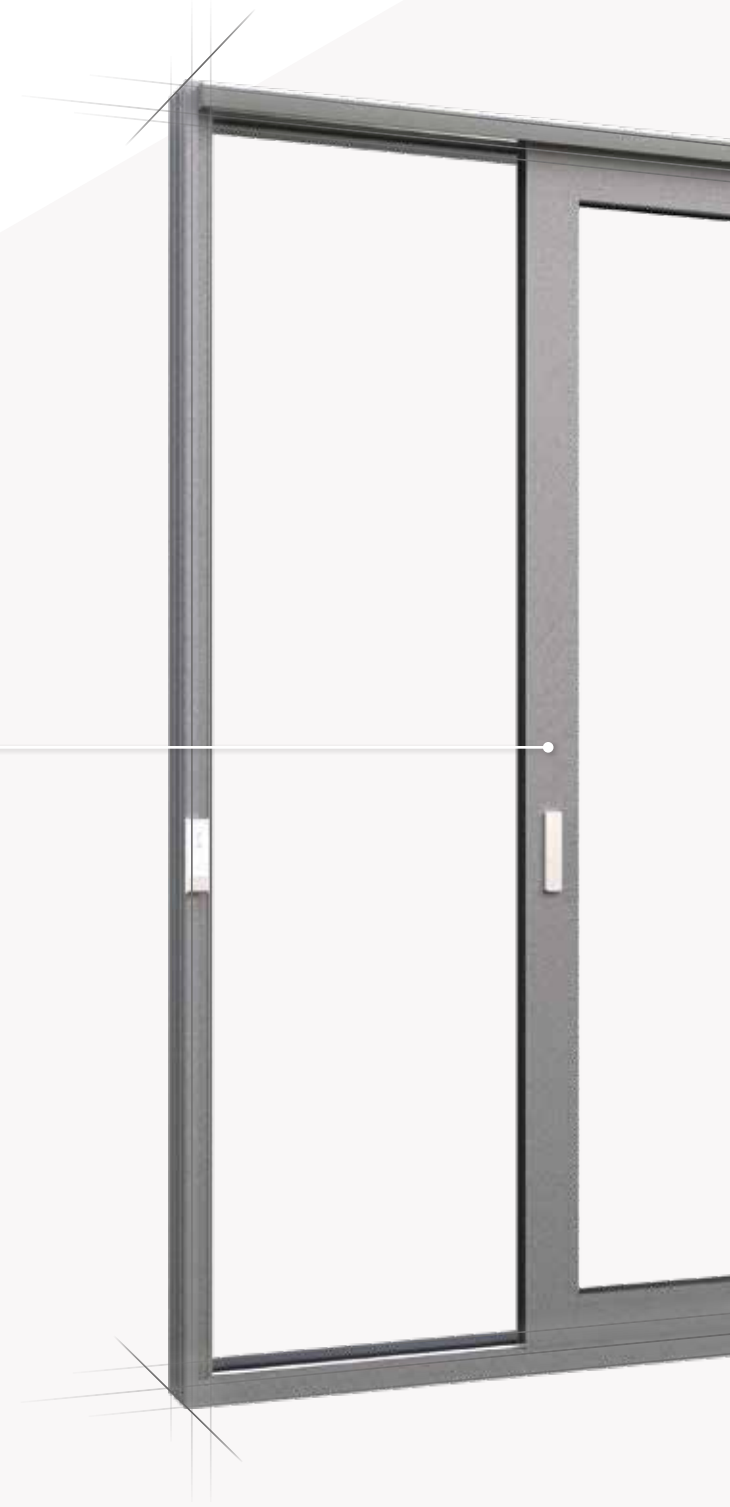
Differences to the »Standard« system

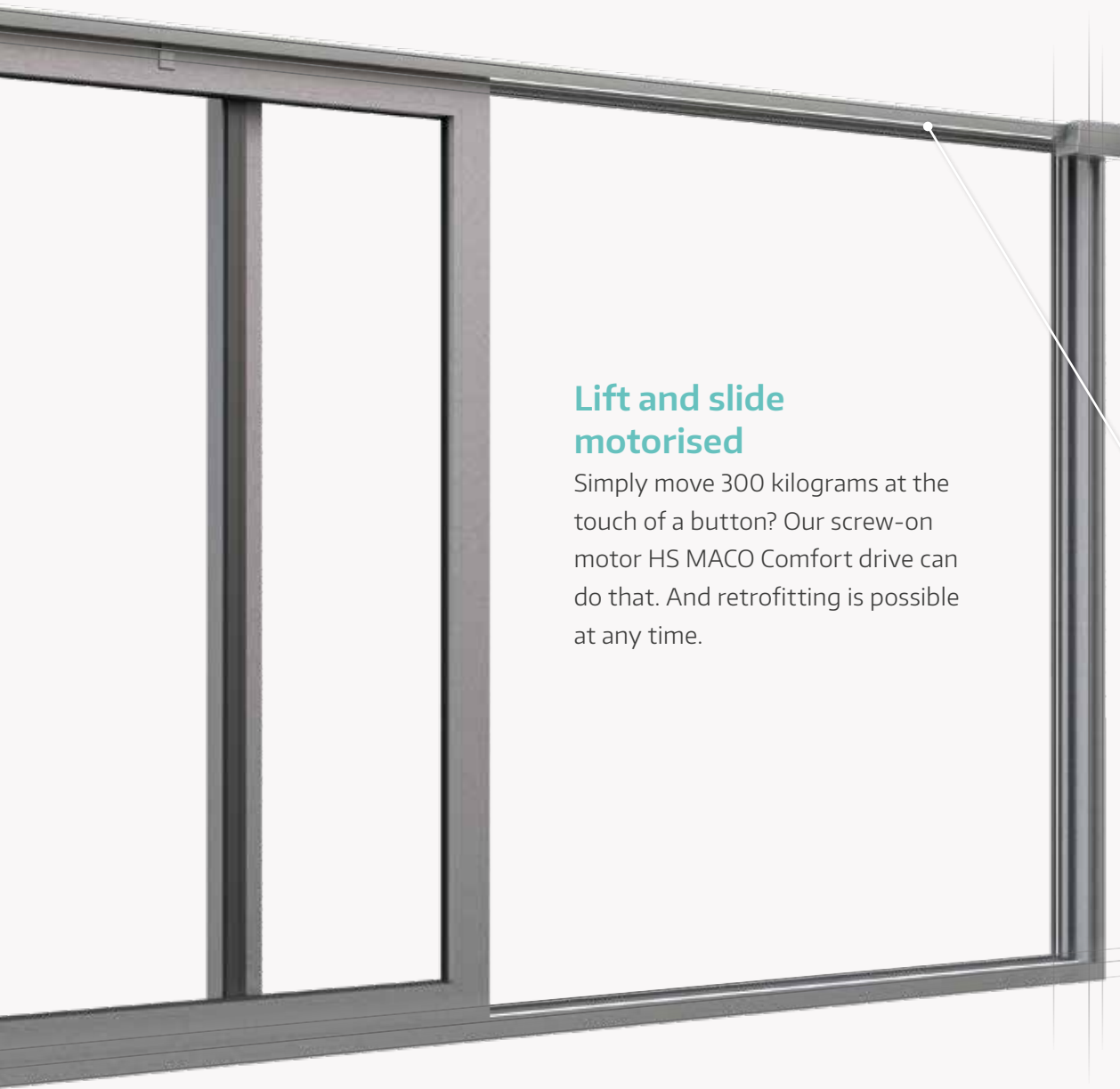
- › Hook drive gear flush mounted
- › HS MACO Comfort drive (motor)



HOOK DRIVE GEAR FLUSH MOUNTED

Ensures a beautiful look and security





Lift and slide motorised

Simply move 300 kilograms at the touch of a button? Our screw-on motor HS MACO Comfort drive can do that. And retrofitting is possible at any time.



HS MACO COMFORT DRIVE
Screw-on motor variant

LIFT AND SLIDE SYSTEM STANDARD

Completely classic

Is a large element required? This is child's play with our "Standard" lift and slide system. Thanks to spring-loaded additional rollers and operating control support, you can quickly and easily realise heavy sashes. This way, a lot of light flows into your customers' home.

What you need

Everything from a single source

- › Bolt drive gear
- › Handle in many colours
- › Roller packs with brushes

Differences from the »Basis« system

- › Locking bolts with night ventilation
- › Operating control support
- › Spring-loaded additional roller



OPERATING CONTROL SUPPORT
Allows feather-light lifting of the sash



LOCKING BOLT
With night ventilation –
fresh air and yet safe





**SPRING-LOADED
ADDITIONAL ROLLER**

Reduces operating force –
important for sash weights
above 300 kg

LIFT AND SLIDE SYSTEM BASIS

Make it easy

With us, you can also create elements made of aluminium – the “chameleon of surface design”. And to make things particularly comfortable for you as a fabricator, you get the connecting rod outside the chamber as well as stackable shims for rollers and drive gears. Assembly doesn’t get any easier than this. And don’t forget that the bolt drive gear allows a high tolerance compensation.

What you need

Everything from a single source

- › Bolt drive gear
- › Handle in many colours
- › Roller packs without brushes



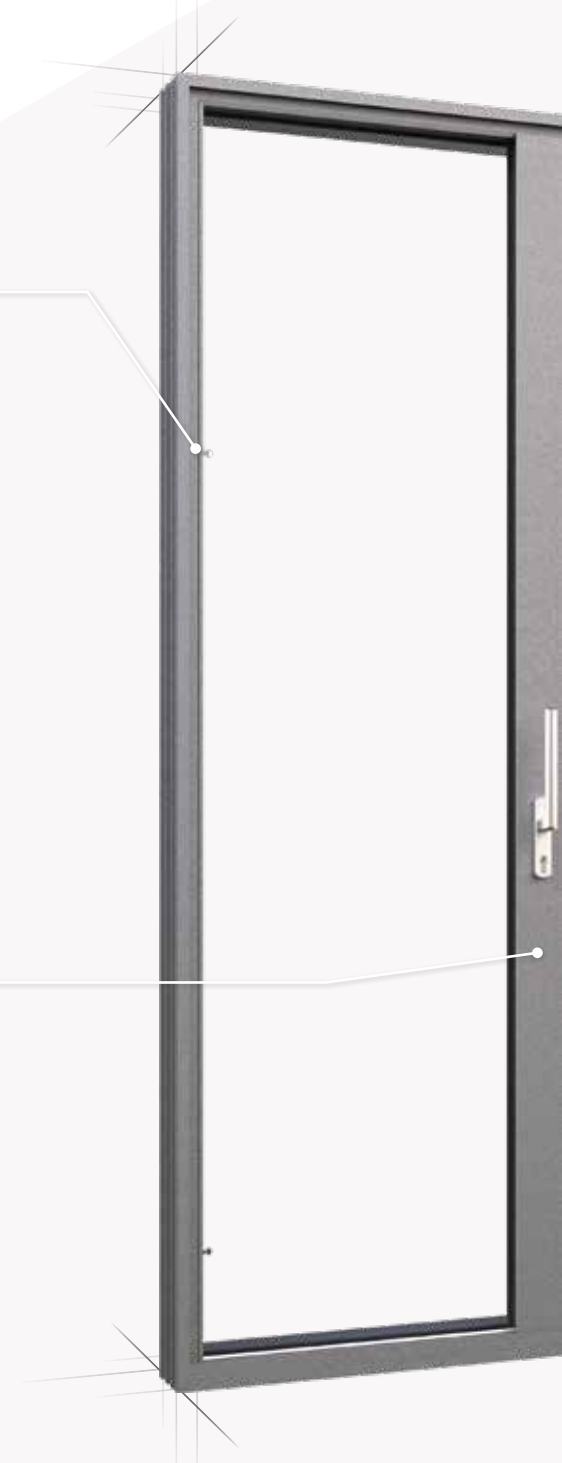
LOCKING BOLT

Matching every profile – proven long term performance



BOLT DRIVE GEAR

Unique on the market – the drive gear covers the entire sash edge



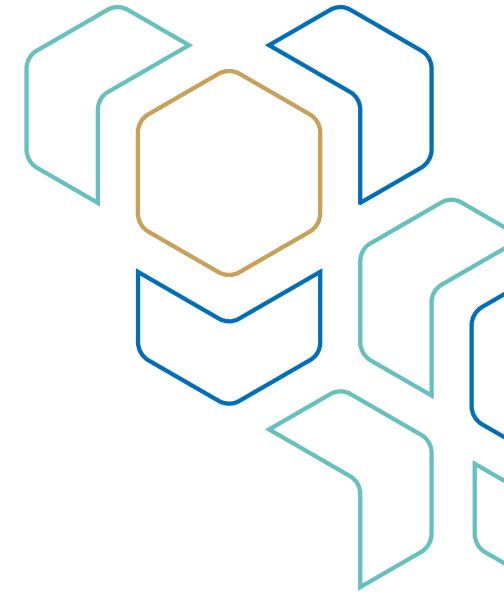


STACKABLE SHIMS
Easy and secure assembly



CONNECTION ROD OUTSIDE THE CHAMBER
The positive and stable connection prevents permanent grinding of the sash





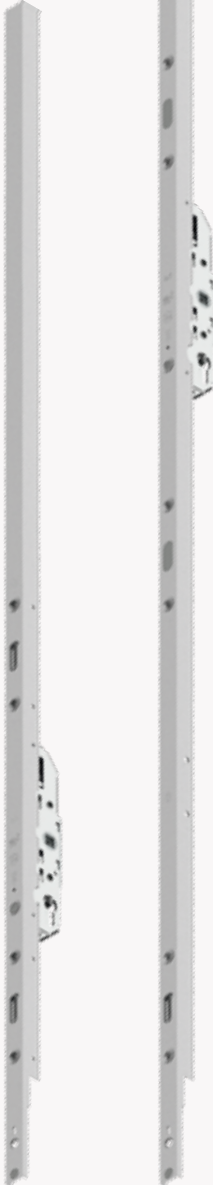
Our Product Range Your Overview

Rollers, drive gear, handles and more – we offer you a versatile range for your PVC and aluminium lift and slide doors. An excerpt from our product range can be found on the following pages.

PVC and aluminium sash parts
Drive gear

HS BOLT DRIVE GEAR

Backset: 27.5 – 37.5 mm
Height: 745 - 3,860 mm



HS HOOK DRIVE GEAR

Backset: 27.5 – 37.5 mm
Height: 745 - 3,860 mm



PVC and aluminium sash parts Rollers and accessories

ROLLERS
Groove 16, 18, 22 x 30

up to 250 kg

up to 400 kg

ROLLERS
Groove 22 x 42

up to 300 kg

up to 400 kg



DRILLING PROTECTION
PVC



CLOSURE MONITORING
ALU

accessories

PVC and aluminium sash parts

Handles

STAINLESS STEEL

Stainless steel



SHELL HANDLE
"UNITY"



HANDLE
"UNITY"



HANDLE HS
STANDARD

Black-brown
Titan
Silver
Traffic white
Champagne
Bronze



HANDLE HS 12

Deep black matt
Black-brown
Titan
Silver
Traffic white
Cream white
Champagne
Bronze



SHELL HANDLE

Deep black matt
Black-brown
Titan
Silver
Traffic white
Cream white
Champagne
Bronze

ANODIZED

Deep black matt
RAL 9005



Black-brown
RAL 8022



Titan



Silver



Traffic white
RAL 9016



Cream white
RAL 9001



Champagne



Bronze



PVC and aluminium frame parts
Buffer stop

**BUFFER STOP FOR
ROLLER TRACK**
Suitable for fixed glazing
with slim frames



**BUFFER STOP FOR
FRAME ASSEMBLY**
Easy assembly with
fixed position



**BUFFER STOP
STANDARD**
Universally applicable for
freely selectable opening
restriction



Sash and frame parts
PVC and aluminium
HS MACO
Comfort drive

MOTION DETECTOR
Additional clamping
protection for security in
all element areas



SWITCH BOX
For connecting
1-pole buttons

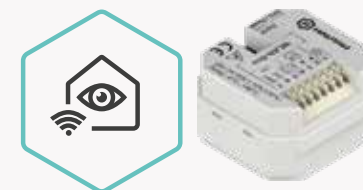
HS MACO COMFORT DRIVE
Screw-on motor variant PVC



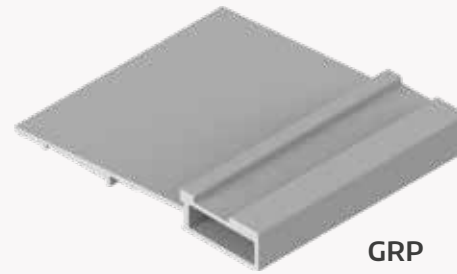
HS MACO COMFORT DRIVE
Screw-on motor variant Alu



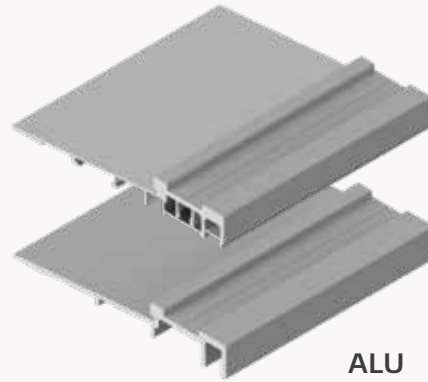
On request,
smart-home capable via
Wi-Fi box



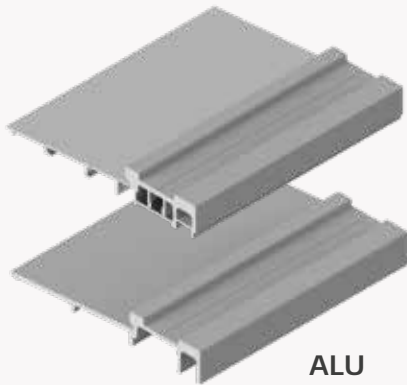
PVC frame parts
Frame covers



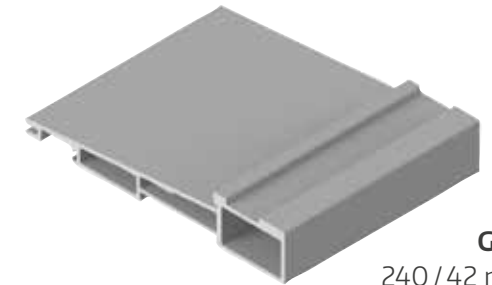
GRP
212 / 29 mm



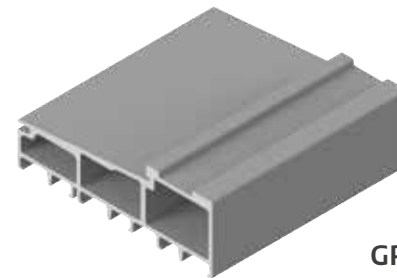
ALU
with thermal separation
or **GRP**
184 / 25 mm



ALU
with thermal separation
or **GRP**
164 / 25 mm



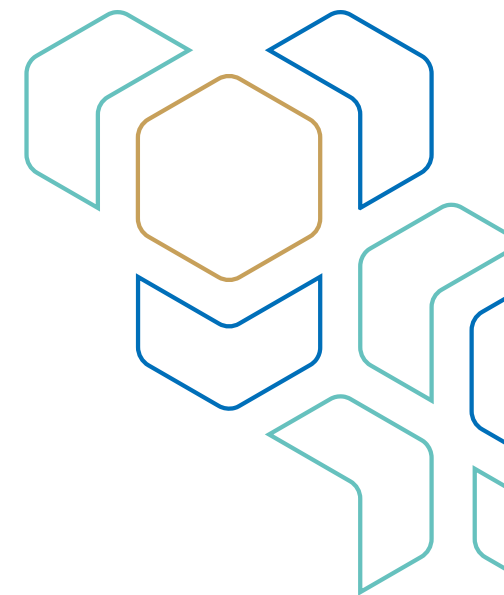
GFK
240 / 42 mm



GRP
180CH / 62 mm

Rahmenteile PVC
Schwellen





Service 360 degrees

With MACO, you have a reliable hardware partner at your side. This also means that you can expect “a bit more” from us – take advantage of our services and competencies. Do you want reliable technical support? Or do you need a software as an interface to your window construction program? Then, MACO is your first choice.



Garantee? Garanteed!

From MACO, you get a functional warranty of ten years on our lift and slide hardware. You can also trust our experience in corrosion protection. Benefit from our special surface quality – we give 15 year guarantees on our unique TRICOAT-PLUS solution (ten years when used in Accoya or Oak).

Secure? But of course!

So that unwanted fingers stay out – MACO is your expert on the subject of burglary prevention and offers the widest security concept in the hardware market. You get that in black and white – in the form of licenses for many of our lift and slide systems. This saves you a lot of testing effort and real money.



maximale
Arbeitshöhe

V 12

V 12

3





Hardware Simply explained

Don't be afraid of the hardware jungle – MACO offers you comprehensive documentation that accompanies you through your manufacturing process. Instructions, brochures and product information easily explain what matters. Because we are not only your supplier, but also your partner.

Don't search Find!

Do you need information about our products and system solutions? Our website www.maco.eu with its country-specific variants is available for you. Click under the menu item "Downloads" for assembly instructions, maintenance instructions, product sheets and brochures. At MACO, you don't search – you find!

Your concern Our advice

Our sales force is your first point of contact. They advise you on product solutions and help with questions. They are supported by our technical customer service as well as by our internal system consultants, so you can get help quickly and competently by phone. This means that you are always perfectly covered, no matter what the issues are.

MACOAcademy From professionals for professionals

Standards and guidelines are necessary and sensible, but sometimes complicate your life as a producer. That's why we have launched the **MACOAcademy** test and service platform. We are your intermediary between theory and practice where you will benefit from our many years of experience in element testing.

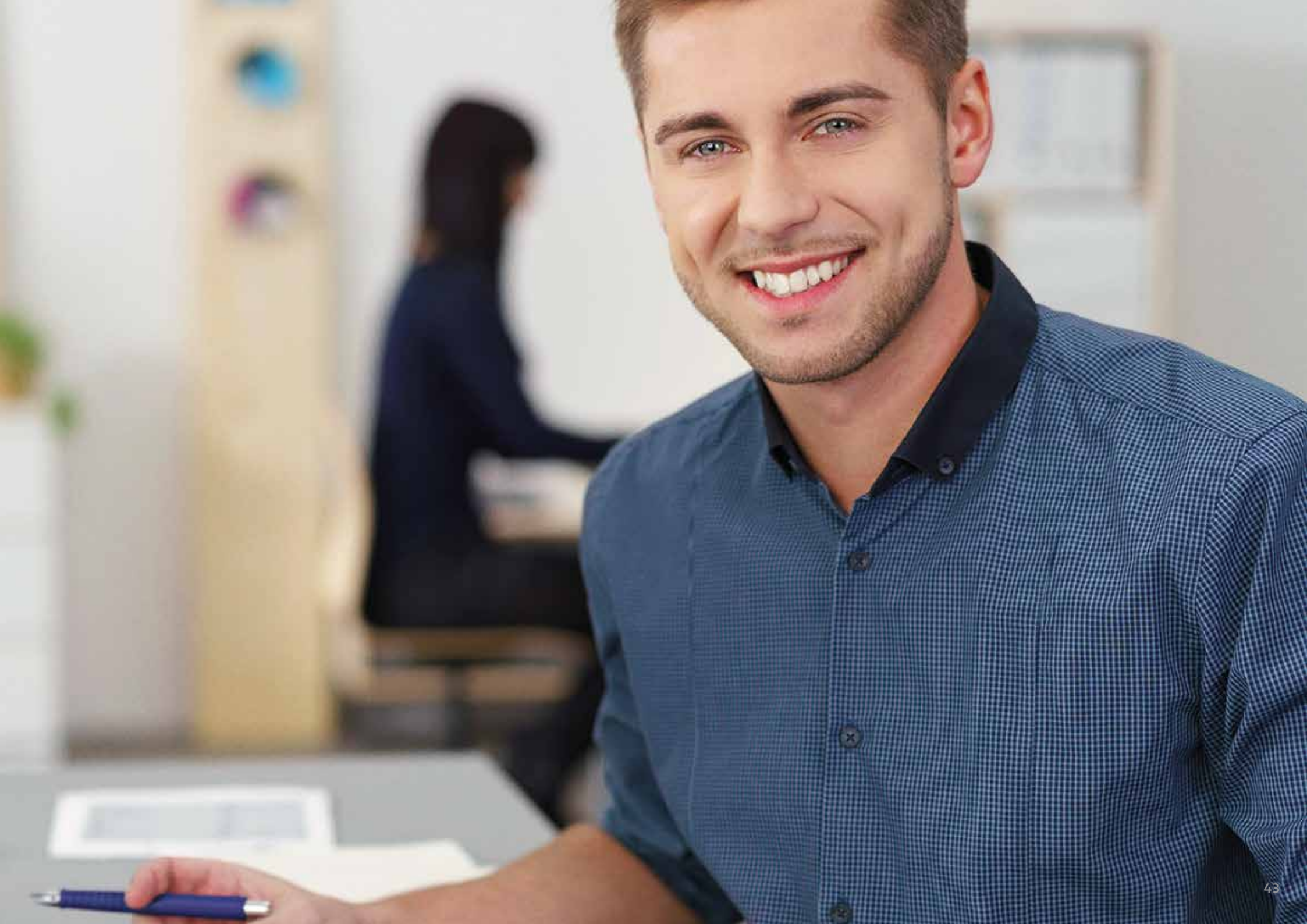




Data? Handily served

TOM stands for “Technical Online Catalogue MACO”. There you will find what you need for proper hardware processing – for example, article tables, drawings or hardware overviews. And with MacoWinPlus you have a unique hardware software at hand – this is the interface to your window construction program.





You want everything from a single source?

We provide you with complete solutions for sliding doors, windows and doors – for timber, PVC and aluminium. Experience our versatile system offer, comprehensive service included. Discover more of this on our website www.maco.eu or contact your MACO representative.



MACO near you:
www.maco.eu/contact



We regularly revise this document.
The latest version is available on <https://www.maco.eu/assets/757985>
or by scanning the QR code.

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