

TECHNOLOGY IN MOTION



MACO RAIL SYSTEMS

SLIDING HARDWARE



When luxury becomes standard

SLIDE&TILT HARDWARE



Benefits for the processor: Uniform hardware base, optimised dimensions for point of entry curve, retracting distance and frame clearance, straightforward installation - even for heavy 200 kg sashes.

Benefits for the end user: Deluxe operational enhancement, security and potential for energy savings.



The MACO Slide&Tilt hardware system



Spoilt for choice

The three Slide&Tilt versions provide you with solutions that ideally match your individual requirement

**S&T-S
Standard
System**



If you're looking for a good fit that sells well

**S&T-SE
System
Self-engaging**



Are you looking for enhanced operating comfort?

**S&T-Z
System
Positive control**



Do you want the best for your customer?



Something is different!



The three designs vary

- in load carrying capacity
- in the application range and
- in the closing function of the window

Fundamental benefits of all three systems

- The point of entry has been optimised from 50 to 53 mm
- The retracting distance has been optimised from 122 to 125 mm
- Frame clearance 35 mm
- Straightforward installation
- Easy height adjustment of the rollers
- Safety catches on all rollers
- Standardised colour scheme for all cover caps
- Complete range of jigs



Straightforward installation

The greatest advantage of the Slide&Tilt hardware system is its easy installation. Less handling is needed, which saves your valuable

time. You can offer more solutions, without having to increase your stock holding or modify your production process.



Easy height adjustment of the rollers

Use a Torx key to adjust the height of the rollers.



Retracting distance of 125 mm and optimal point of entry curve of 53 mm

Greater protection and enhanced functionality for Slide&Tilt units due to the retracting distance and optimal point of entry curve.

As a result, thicker profiles and window panes can be used.

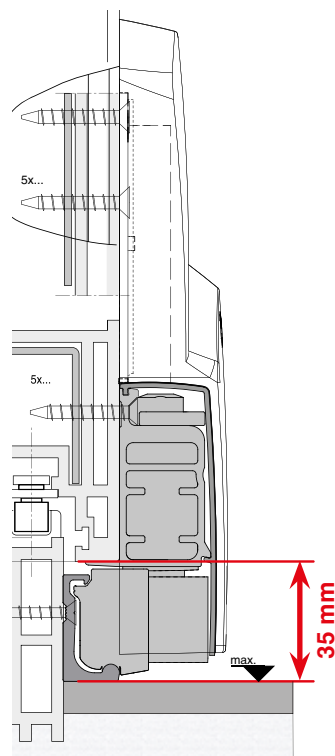


Standardised cover cap design

Cover cap colours matched to the MACO handle program.

Complete range of jigs

Striker plate jigs, drilling jigs and milling jigs.



Frame clearance 35 mm

- Sash weights up to 200 kg
- Low threshold height for more level access and easy exit and entry
- Variety of profiles available
- No need to use dual profiles



S&T-S Slide&Tilt Hardware Standard



Sash tilted



Opening motion



Closed sash



S&T-S System Standard

- Manual open and close function
- Application range
SRW 650 - 1650 mm
SRH 1000 - 2350 mm
- Standard hardware
MACO MULTI-TREND
and MACO MULTI-MATIC
- Complete jig program
- TRICOAT-plus optional
- Sash weight up to 160 kg



Manual open and close function

The opening and closing motion is triggered by manual exertion.



Scissors slider for S&T-S / SE

Advantages

- Improved fastenings, even for rounded off profiles
- Straightforward, rapid installation
- Design fits bottom cover caps
- Setting options for stops
- Use on left and right sides
- Comfortable sash insertion
- 2 cover cap designs
 - PVC
 - Long cover cap made of aluminium





Self-engaging S&T-SE Slide&Tilt hardware



Sash tilted



Opening motion



Closed sash



S&T-SE self-engaging system

- Automatic bottom self-latching function
- Application range
SRW 650 - 1650 mm
SRH 1000 - 2350 mm
- Standard hardware
MACO MULTI-TREND
and MACO MULTI-MATIC
- Complete jig program
- Lock-out protection
- TRICOAT-plus optional
- Sash weight up to 160 kg



Automatic bottom latching function

When the handle is turned up, the sash automatically locks in the slide position. When closing, the sash

automatically locks in the tilt position. Then, all you need to do is close the sash just like a normal Turn&Tilt window.



Lock-out protection

When the handle is in the open position, a lock-out protection device prevents the sash from being closed unintentionally.



Scissors slider for S&T-S / SE

Advantages

- Improved fastenings, even for rounded off profiles
- Straightforward, rapid installation
- Design fits bottom cover caps
- Setting options for stops
- Use on left and right sides

- Comfortable sash insertion
- 2 cover cap designs
 - PVC
 - Long cover cap made of aluminium





S&T-Z Slide&Tilt Hardware Positive control



Sash tilted



Opening motion and lock-out protection



Closing motion

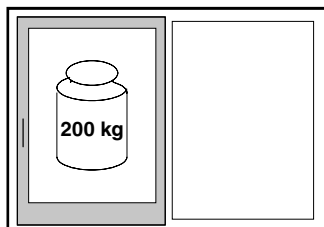


Closed sash



S&T-Z System Positive control

- Automatic opening and closing function is controlled centrally via the lever.
- Bears loads up to 200 kg
- TRICOAT-plus optional
- i.S. security roller cams as standard
- Lock-out protection



Sash weight up to 200 kg

Ideal solution for large, heavy sashes with weights up to 200 kg. A tandem roller is used for weights above 160 kg.

Application

SRW 720 - 2000 mm / SRH 900 - 2700 mm



Open and close function

Automatic opening and closing function is controlled centrally via the lever. Turning the handle to opens and closes the door automatically with hardly any effort at all. A fail-safe device is available as an option.



Lock-out protection

When the handle is in the open position, an lock-out protection device prevent the sash from being closed unintentionally.



i.S.security roller cam included as standard

The security roller cam included as standard provides burglary protection and compensates the air gap automatically. Gasket compression is easy to regulate.



Move sash weights up to 200 kg smoothly and safely



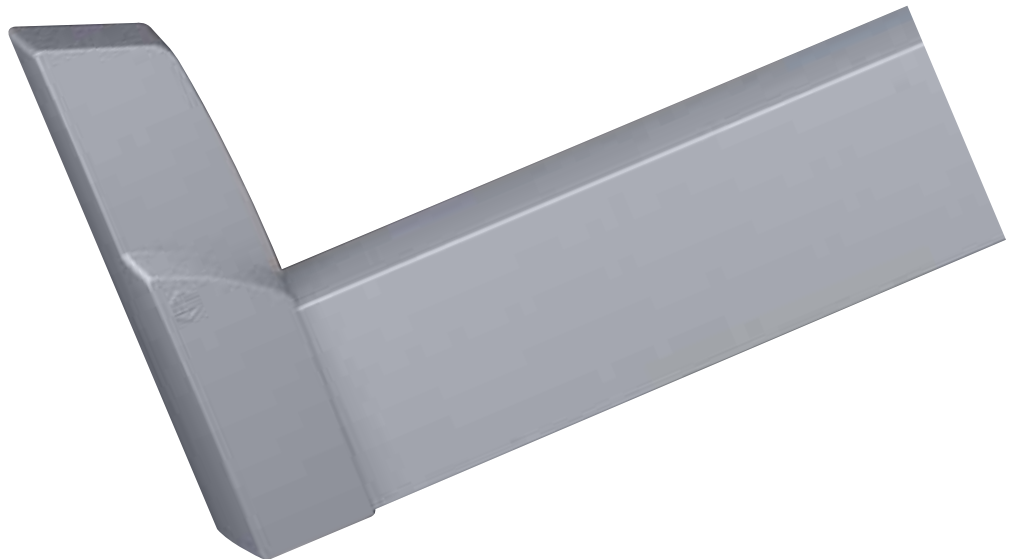
The S&T-Z system design with positive unit pull up to a sash weight of 200 kg uses a tandem roller upwards of 160 kg.

The roller diameter of 28 mm increases the contact surface by around 20 percent compared to other commercially available rollers.

The single-component roller body means that the sash unit runs more smoothly and with greater stability due to the extended contact surface and the use of four rollers on one carriage.



Facelifting



Cover caps

The cover caps' colour tones are matched to the MACO handle range

MACO colours

- White
- Cream-white
- Silver
- Bronze S&T
- Brown



Slight deviations in colour are possible for production engineering reasons.



MACO S&T handles



Slide&Tilt handles for S&T-S and S&T-SE designs



The handles are available in the following colours:

- White
- Silver
- Titanium
- Champagne
- Bronze S&T



Slight deviations in colour are possible for production engineering reasons.



Slide&Tilt handles for S&T-Z design



Slight deviations in colour are possible for production engineering reasons.



The handles are available in the following colours:


- White
- Cream-white
- Silver
- Bronze S&T
- Brown

**MACO
RAIL SYSTEMS**



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