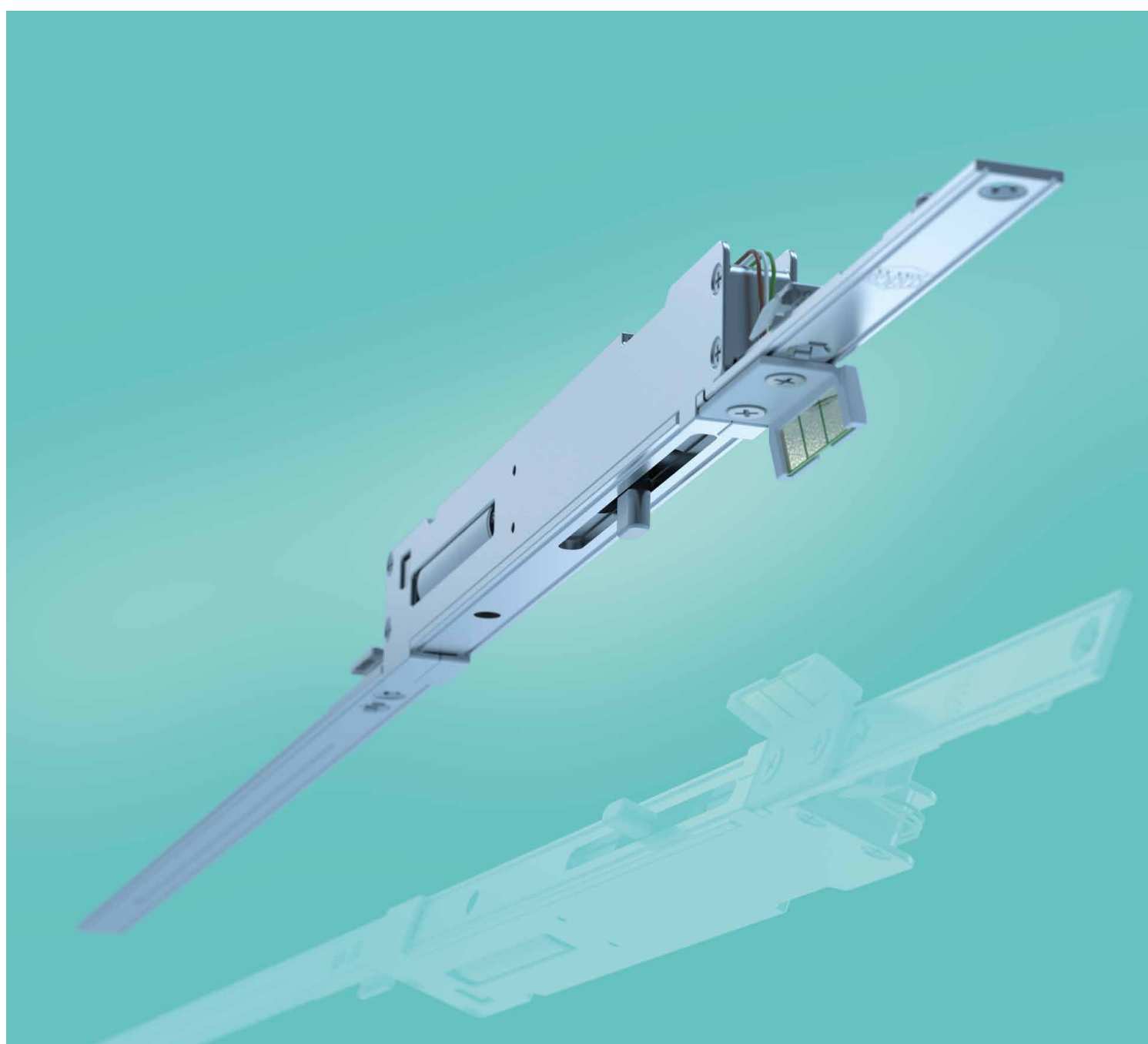




TECHNIK DIE BEWEGT

Electromechanical window operation

E-HARDWARE



TIMBER
PVC
ALUMINIUM

More comfort

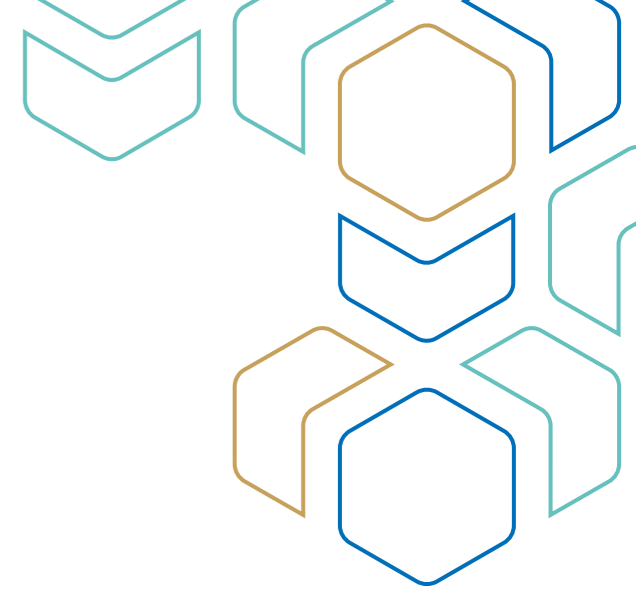
E-Hardware

OPERATE WINDOWS
ELECTRO-MECHANICALLY

Accessibility is becoming more and more the standard from which every person benefits, regardless of age or health. The E-Hardware from MACO creates living comfort through electromechanical window operation. The system solution combines automated tilting (opening and closing) with manual operation.



Comfortable arguments Convince your customers



Operation without obstacles

With the E-Hardware, hard to reach windows can be conveniently tilted via a button. That's accessibility!



At home in the Smart Home

Integrated into the home control system, the E-Hardware controls ventilation by reacting to environmental influences such as rain or wind. The resident can intervene remotely via smartphone.



Operation as usual

Regardless of the electrical tilt control, the window can be manually opened, tilted and closed at any time.



Low voltage, low consumption

The operating voltage is 24 volts, which makes it completely harmless to humans and animals. In addition, the E-Hardware uses very little energy.



E-Hardware – for sure

The E-Hardware works at two speeds, providing security against injury and overload. The speed corresponds to the directive for force-operated windows and protection class 3.



Flawless appearance

The E-Hardware is installed invisibly on the underside of the window sash in the Eurogroove. This keeps the window visually untouched and easy to maintain.

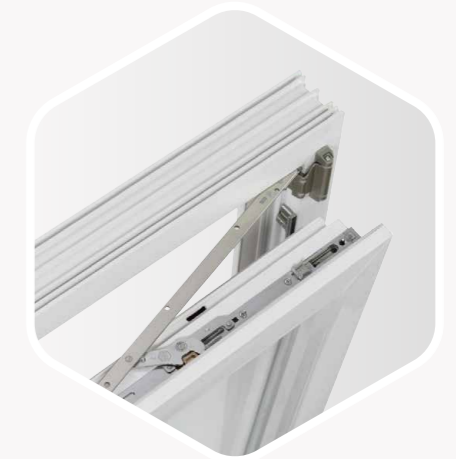
E-Hardware An overview

With only a few components, a conventional window becomes an electro-mechanical window. Your customers can continue to operate it by hand and additionally integrate it into a control system, for example in a smart home system.



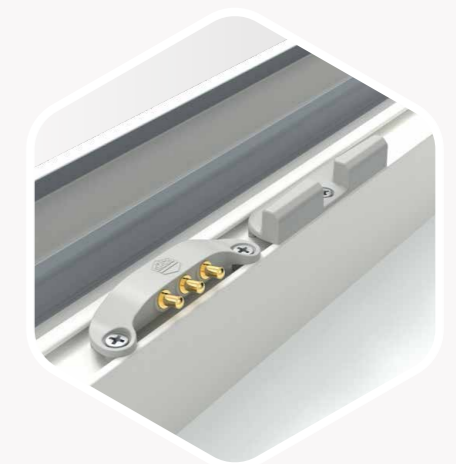
Positively actuated scissor-stay

The positively actuated scissor stay pushes the sash away from the frame when tilting.



Electromechanical drive

At the heart of the electrical operation is a small, powerful motor that moves the hardware pin.



Power carrier and child safety lock

The power carrier replaces a cable connection to the drive in the sash. The child safety lock prevents an uncontrolled opening of the sash during electrical operation.

E-Hardware

Your fabricator benefits

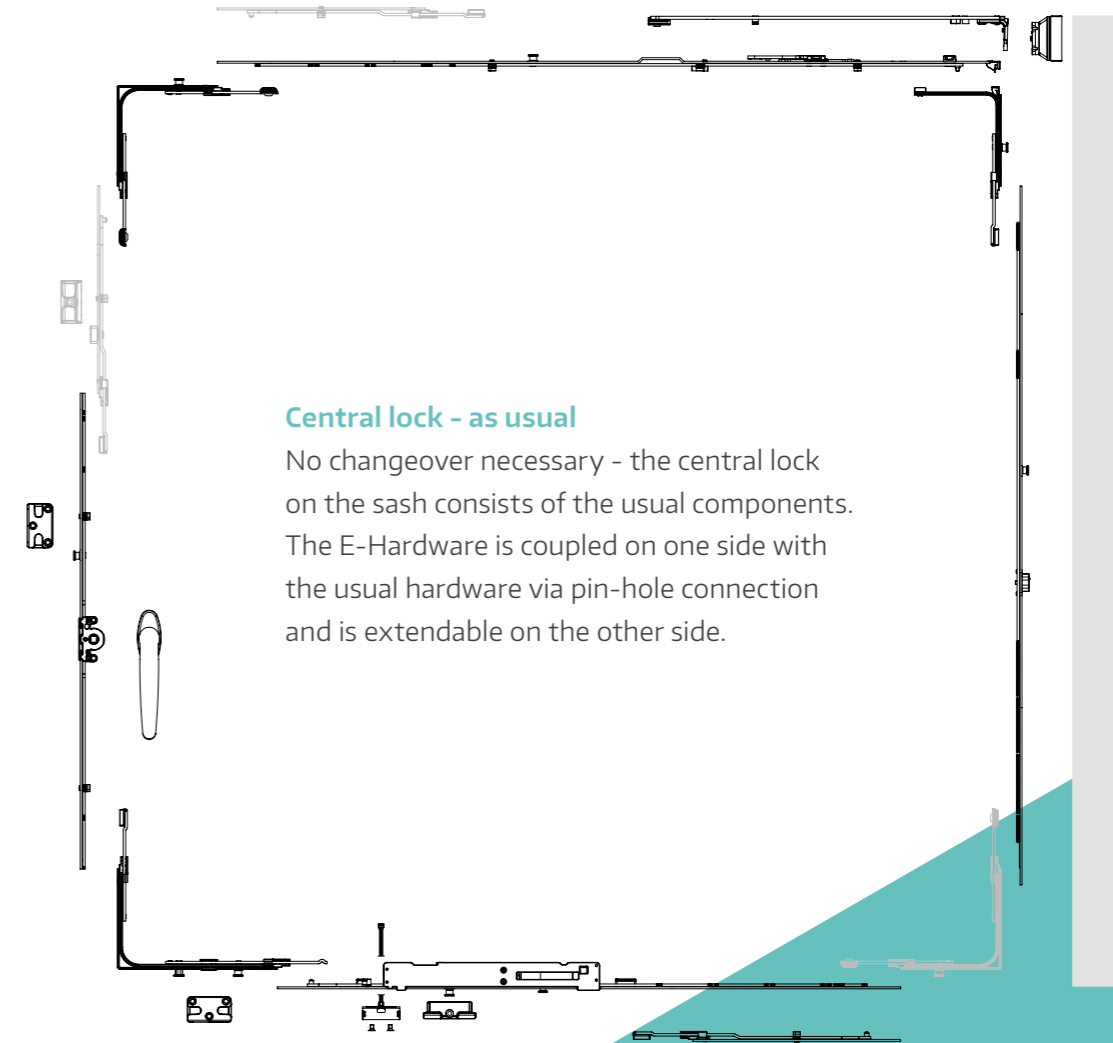


Separation of trades

As a window builder, you can test the function of the E-Hardware during wireless assembly with a commissioning device. This means expensive rework on the installation site is no longer required. Your performance is therefore more commonly considered (take note of tenders) as completed, even if the electrician only finalises the wiring later.

Easy fabrication

Drilling and milling jigs make fabrication of the E-Hardware easy.



Central lock - as usual

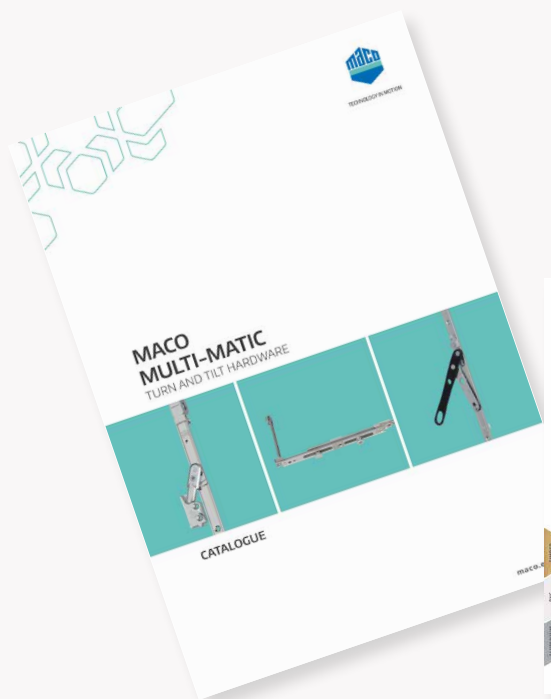
No changeover necessary - the central lock on the sash consists of the usual components. The E-Hardware is coupled on one side with the usual hardware via pin-hole connection and is extendable on the other side.

E-Hardware Technical application

- › Suitable for single-sash rectangular window elements made of timber, PVC or aluminium with a maximum sash weight of 80 kilograms
- › Sash rebate width from 735 to 1,400 millimetres
- › Sash rebate height from 470 to 1,600 millimetres
- › Suitable for turn&tilt elements
- › For 12-millimetre rebate gap system with 13-millimetre hardware axis

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