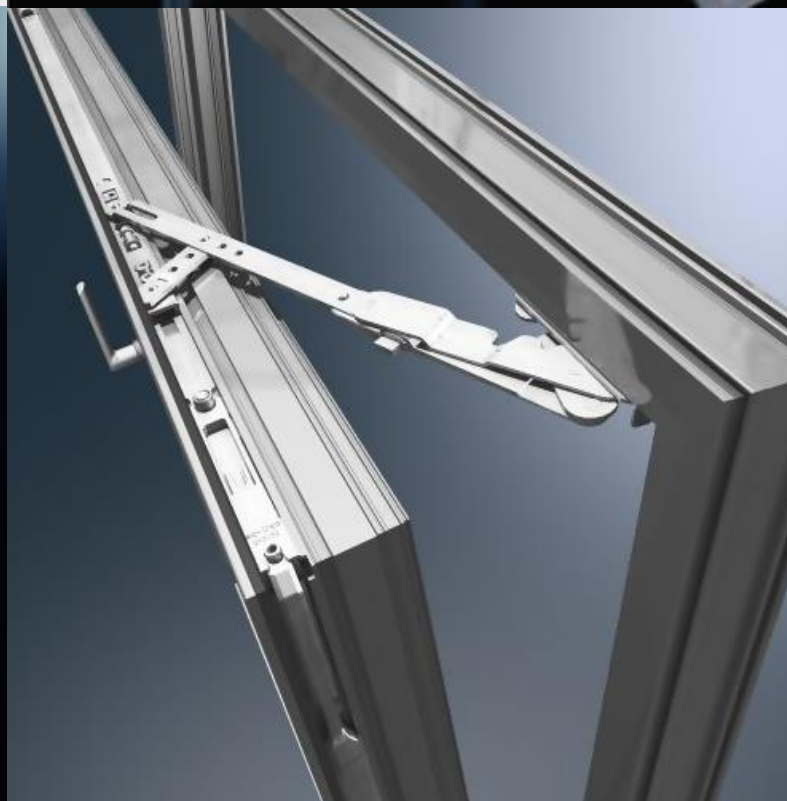


WINDOW FRAMES, FAÇADES AND ROOF SKYLIGHTS



FITTING SYSTEM SCHÜCO TIPTRONIC

FITTING SYSTEM SCHÜCO AVANTEC

FITTING SYSTEM SCHÜCO AVANTEC



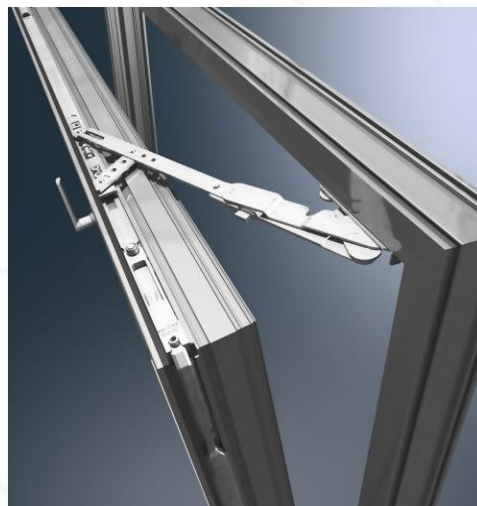
Externally invisible security with Schüco AvanTec

The new generation of fittings for Schüco AvanTec combines timeless design with user orientated technology and versatile functionality.

With vent weights up to 160 kg, the concealed mechanical fitting meets architectural demands for large format designs and maximum transparency. The fittings system for inward-opening, face-fitted windows also has impressive installation properties and a modular security concept up to WK3.



Schüco AvanTec improved assembly



Aperture limiter Schüco AvanTec

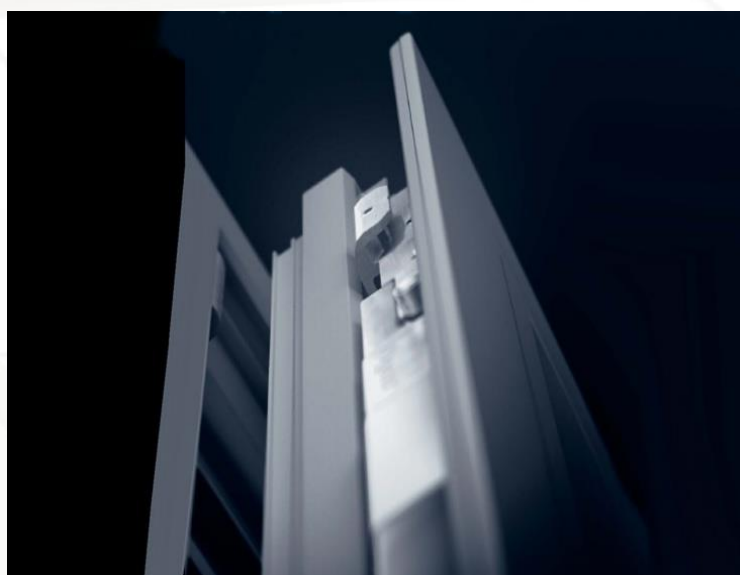


Burglar resistant WK3 with, at least, 8 locking points

FITTING SYSTEM SCHÜCO AVANTEC

Features and benefits

- Narrow face widths and concealed fittings ensure a streamlined appearance.
- Vent weights up to 130Kg (286lb or 160Kg (352lb)); opening angle up to 90°.
- Easier vent installation using installation clips.
- Horizontal adjustment $\pm 1,6\text{mm}$ (0.06in).
- Self-jigging stay.
- Only one assembly tool required because all screw fittings use one ISR size.
- Schüco AvanTec remote control handle.



Hidden mechanical fittings Schüco AvanTec

FITTING SYSTEM SCHÜCO TIPTRONIC

Innovative technology

Schüco TipTronic is the first concealed mechatronic fitting to combine energy management, security, building automation and design.

The TipTronic system utilizes individual motors located in the window frame. The mechatronic fitting combines real time handling with the possibilities offered by the automation. The window is operated with an intuitive handle which controls its opening function with 2 buttons. Just like a conventional window, this system can be open by turning the handle.



Tipos de abertura / Opening types



FITTING SYSTEM SCHÜCO TIPTRONIC

SCHÜCO TipTronic 160 Kg or 352 lb.

The window becomes an integral component of the intelligent building and makes a substantial contribution to exploiting the energy potential of the building envelope.

In addition to the large number of opening types such as side-hung ventilation vents or outward opening as well as numerous control mechanism options e.g. the number of solutions for Schüco TipTronic in the Schüco radio-controlled range has been extended.



300 mm opening width (11.81 in);

Convenient operation using Schüco AvanTec radio-controlled handle with integrated remote control;

Features and benefits

- Vent weight up to 160Kg (352 lb) for maximum transparency and design freedom, even when triple glazing is used.
- Opening widths of up to 300mm (11,81 in), ideal for night-time cooling or natural ventilation cycles.

FITTING SYSTEM SCHÜCO TIPTRONIC

Schüco TipTronic offers greater security

Unlike conventional automatic windows, the Schüco TipTronic fitting locks at multiple points and provides for increased burglar resistance up to security class WK2.

Magnetic switches are used to monitor and feedback on windows linked to the building management system and to alarm systems. An integrated anti-finger-trap device ensures that the window automatically reopens if any kind of obstacle is encountered when the window closes.

Schüco TipTronic horizontal pivot window

The automated horizontal pivot vent as fully concealed system solution based on the Schüco TipTronic fitting offers optimum ventilation. The window vents with a vent weight of up to 150 kg (330 lb) can be opened to a width of 200 mm (7.87 in) and are therefore ideal for incorporating into central building automation.



Features and benefits

- For use as an automatic ventilation vent.
- Ideal opening type for ventilation and for saving energy through night-time cooling.
- Window with integrated anti-finger-trap protection
- Size options: Vent widths/heights of 700 mm (27,56 in) to 2000 mm (78.74 in)

FITTING SYSTEM SCHÜCO TIPTRONIC

Ventilation vent with Schüco TipTronic fitting

Automatic ventilation in buildings optimized by combining narrow side-hung vents with Schüco TipTronic fittings.

Features and benefits

- Fully concealed actuators allow for narrow face widths.
- Integrated anti-finger-trap protection in accordance with VFF guidelines
- Opening width up to 55° with optimum cross section for ventilation.
- Surface-mounted and concealed hinges.
- Operated via pushbutton. Remote control, PC and central building management system.



Energy saving with night-time cooling

Schüco TipTronic for outward-opening window units

Outward-opening windows can now be opened automatically and integrated into the central building management system.

Features and benefits

- Fully concealed drives and hinges
- High levels of weather tightness and thermal insulation due to centre gasket system.
- Window with integrated anti-finger-trap protection.
- Use of window vents for ventilation and to cool the building.
- Operated via pushbutton, remote control, PC and central building management system.
- Opening width up to 200mm (7.87in).

FITTING SYSTEM SCHÜCO TIPTRONIC

Schüco TipTronic top lights with WK2 burglar resistance

The new Schüco TipTronic top light fitting is a convenient alternative to a manually operated fitting. Fully concealed fittings allow a design with narrow internal face widths.

Also, unlike manually operated fittings, no additional, surface-mounted lock is required to meet WK2 standards of burglar resistance.

Features and benefits

- Modular class WK2 security with robust security locking points.
- Vent weight of up to 100 Kg (220 lb) and an opening width of up to 175mm (6,89 In).
- Operated via pushbutton, remote control, PC and central building management system.

Convenience in window technology

Schüco TipTronic also allows windows to be operated together in groups and connected to the building management system as well as individually.

Automatic window control helps keep the building cool whilst simultaneously reducing energy costs.

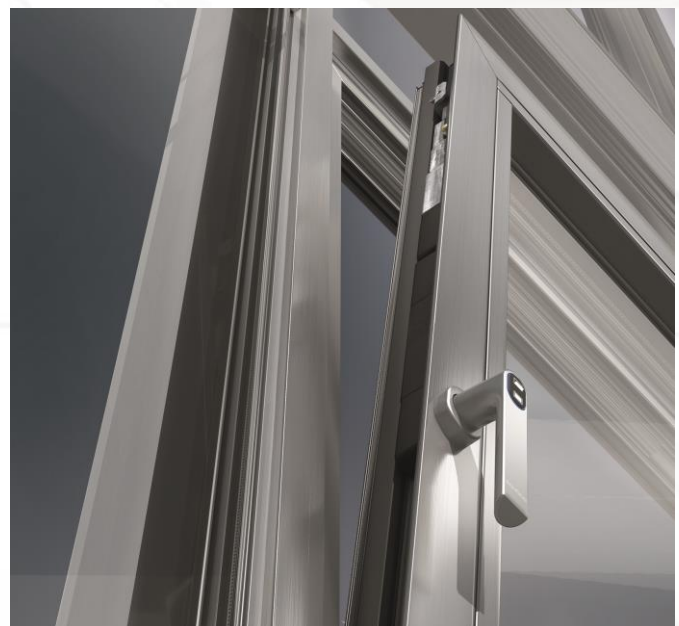
In addition to ventilation function options, including night-time cooling, and controls based on time, available light and number of people present, Schüco TipTronic window technology also allows the operation of hard-to-reach windows by using remote control.



WINDOW FITTING SCHÜCO TIPTRONIC

Consistent design

In addition to the pure lines achieved by the concealed electrical fittings, the uniform design of the Schüco handle range also ensures an attractive appearance. The Schüco design range of handles provides a uniform appearance for windows, doors and sliding systems.



FITING SYSTEM SCHÜCO TIPTRONIC

Schüco ControlPanel

The Schüco ControlPanel is a practical, stylish operating unit which enhances digital building automation. All the building management, e.g. windows, solar shading and climate control, is controlled easily from one place using a touch screen. The status is shown clearly on the display panel. The display can be adjusted to suit individual requirements. The Schüco ControlPanel – a complete functional solution for building automation.

Features and benefits

- Simple, intuitive operation.
- Touch screen display for operation, display and settings.
- Floor control and room control.
- Supports EIB and LON bus systems.
- Elegant design and very flat construction



FITTING SYSTEM SCHÜCO TIPTRONIC

Ventilação natural

Abertura e fecho de janelas, individuais ou em grupo

Natural ventilation

Opening and closing individual windows or groups of windows

Clima

Indicador de temperatura e configuração de valores térmicos

Climate

Temperature display and setting temperature target values

Informação

- Resumo do estado de abertura dos diferentes elementos
- Indicação de informação nova na rede

Information

- Status overview for all opening units
- Call-up of Internet news

Hora

Time



Luz e sombra

- Subida e descida dos elementos de protecção solar, individuais ou em grupo
- Ligar ou desligar pontos de luz ou grupos

Light and shade

- Opening and closing of individual solar shading units or groups
- Switching on and off of lights or groups of lights

Segurança

Bloqueio e desbloqueio de portas

Security

Locking and unlocking doors

Sequência operativa

Definição livre do processo do programa para o tempo de ventilação, sequências de luz, simulação ocupacional

User sequence

Freely definable program sequences for e. g. timed ventilation, light sequences, occupancy simulation