

A Masterpiece.



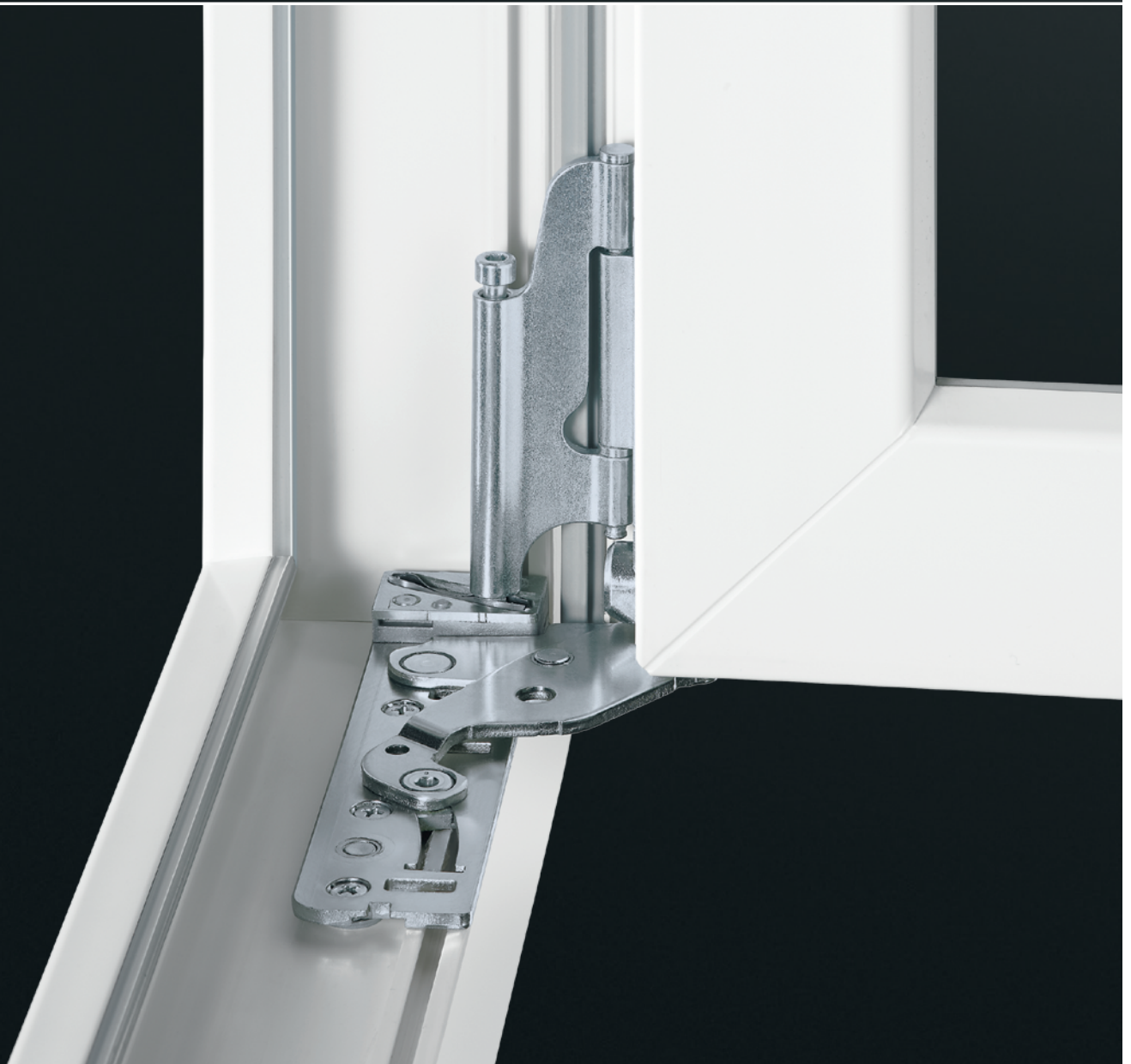
axent



Our axxent hardware product range:
The perfect solution for fully concealed technology.

axent

Working perfectly undercover.



Our axxent hardware product range: The next generation of fully concealed solutions.

It only looks simple.

Fully concealed hardware is currently in high demand and expansive glass surfaces have become an absolute must for architects and designers. Windows with narrow face widths and glass façades are a central element in the clean, straight contours of modern architecture. However, concealing sophisticated technology within these designs only looks simple.

A technical masterpiece.

Visually simple, technically complex.

“Less is more” does not apply to hardware, because the more challenging the design specifications become, the more is required of the hardware itself. Special solutions are required in order to achieve total reliability and functionality with fully concealed hardware, even for every day use. This is why traditional hardware systems quickly reach their limits.

Powerful design requires powerful technology.

Only axxent combines exceptional design and high load-bearing capacity with extremely low wear. For this unrivalled durability, only the best will do. Uncompromising craftsmanship is required to turn a visually stunning masterpiece into a truly powerful design. This results in solutions that provide long-term satisfaction to architects, fabricators and end users, thus inspiring confidence and trust.

With SIEGENIA and axxent, you are offered a wide range of products to choose from when creating your concealed hardware solution. Whether you require window hardware for timber, PVC or aluminium windows, door hinges or motorized drives: axxent is not only perfectly in tune with current design trends; it sets new standards. Thanks to continuous development and numerous innovations, axxent hardware technology offers you the next generation of window hardware; the trends of tomorrow, today.



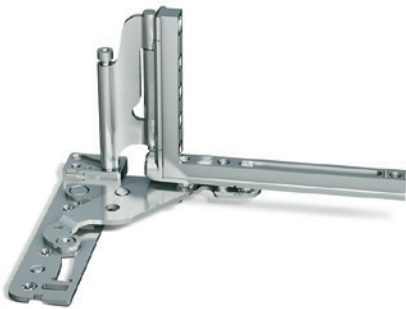
**Visible accents created by
invisible pivot points.**

We have simply
eliminated wear.



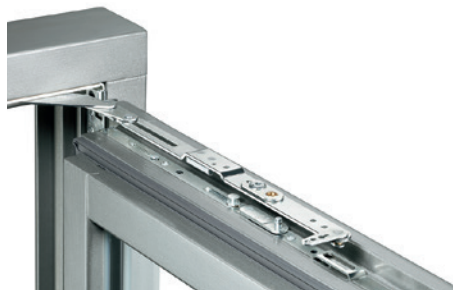
Hidden talents.

As soon as it is installed, it disappears. This is as it should be, and is what you've come to expect from axxent. axxent hardware is so well concealed from the human eye, it is truly an all-rounder that keeps working around the clock. Reason enough to take a closer look, because there is much more to axxent than meets the eye.



Unique durability.

Timeless architectural design requires particularly durable technical solutions. The best example of this is the TITAN axxent 34's unique supporting arm. A robust support made of high tensile material is used throughout the entire series and ensures optimal load transfer within the frame. The key advantage for everyday use: long-term functional reliability and exceptionally low wear.



Simple fabrication and installation.

Simplified workflows offer you substantial potential savings. With axxent, you reap the benefits of the tried and tested TITAN and ALU hardware systems, including the intelligent modular system, clamp-on components and lean warehousing. Easy installation saves both time and money: The sash can be fitted easily in either the tilt position or the turn position and can be adjusted simply thanks to the accessible 3D adjustment feature.

Efficient construction.

This fully concealed hardware also contains enormous structural potential and the key to increased energy efficiency. Continuous seals prevent warm air from escaping through the sash and the track rebate, which is the best protection against condensation build-up or ice build-up in the groove. At the same time, the reduced track size allows for narrow side-face widths and expansive glass surfaces. Ultimately, this results in lower thermal transmission.



TITAN axxent 34

TITAN axxent 34

Exceptional durability is not an empty promise with TITAN axxent 34; it is its trademark. Only the most sophisticated technology can ensure that attractive windows also continue to function over the long term.

TITAN axxent 34 provides an innovative solution for this problem and is able to be used with heavy sash weights up to 160 kg in daily use with impressively low wear.

Its innovative supporting arm is what sets TITAN axxent 34 apart. The only hardware of its kind on the market, this durable support ensures optimal load transfer within the frame and perfect kinematics, even in the turn position. By lifting the load from the components, the concealed hardware has an extremely long lifespan in windows with a minimum rebate depth of 35 mm – powerful design that is also long-lasting. The prospects are bright, even during installation: The sash can be fitted easily and quickly in either the tilt position or the turn position and can be adjusted optimally thanks to the accessible 3D adjustment feature.



Maximum
load transfer.
Minimal wear.

For timber and PVC windows with a frame rebate depth of at least 35 mm.

Load-bearing capacity:

- Up to 130 kg for tilt & turn windows or up to 160 kg for side-hung windows without additional components
- Optimal load transfer within the frame thanks to the innovative supporting arm made of high tensile steel
- The bottom hinge pin is hardened and slides back and forth on two grooved pins with virtually no wear
- Perfect kinematics preserve the seal



Convenience:

- The bottom hinge is kept clean thanks to an attractive cover cap
- 95° opening width

Fabrication:

- All of the benefits of the TITAN iP and TITAN AF systems

Installation:

- The sash is easy to fit in both the tilt and turn positions
- Easily accessible 3D adjustment
- The entire bottom hinge package has height of only 10 mm: this makes it possible to adjust the sash downward by 2 mm

TITAN VV 18-29

TITAN VV 18-29 hinges are the result of continuous optimisation and consistently offer a suitable and robust solution for different profile geometries, groove positions and rebate depths.

For efficient fabrication, the TITAN VV 29 only requires a special additional component when used with heavy sash weights. By lifting the sash when the window is opened, rather than allowing it to sink like traditional bar systems, this special component provides a combined safety and security feature. This ensures that the floor surface is not damaged, even with doors that are flush with the floor.

It also opens up new design opportunities for architects. WiVinci, the special window that was developed by W. Hofer Schreinerei AG and recently received the red dot design award is an impressive example of this. The VV hinge's reduced track size allows the window to be integrated into any building flush with the wall without a visible frame.



An exceptionally flexible solution.

For timber and PVC windows with a frame rebate depth of 18-29 mm.

Load-bearing capacity:

- The TITAN VV 29 features a load bearing capacity of up to 150 kg, which makes even heavy glazing possible (triple-glazed soundproofing, intruder resistance)
- The VV heavy additional component lifts the sash when the window opens, thereby taking the load off the stay; only required for sashes weighing 100 kg or more



Security:

- Intruder resistance up to RC2 is possible
- The VV BSO striker provides a basic level of security even without an upper corner drive
- Certified in accordance with QM 328

Fabrication:

- All of the benefits of the TITAN iP, TITAN AF and FAVORIT systems

Installation:

- The sash is easy to fit in both the tilt and turn positions
- Easily accessible 3D adjustment

TITAN axxent SE

The newest addition to the TITAN family, the TITAN axxent SE has already proven its worth. Although this profiling system is primarily used in timber windows in Scandinavia, this hardware enjoys a certain popularity in markets much further south.

What sets this special window system apart is that the low sash rebate does not rest on the frame, but is instead enclosed by it. This ensures optimal load transfer within the frame; an important advantage that is directly associated with this profile system. It is also the only system on that market that offers the practical combination of easily accessible 3D adjustment of the sashes. The special hinge-side cam latch provides powerful intruder protection.



The hinge for special profiles.

For timber windows with "Scandinavian" profile systems

Load-bearing capacity:

- Up to 130 kg

Security:

- Special hinge side cam latch, collision prevention and side adjustments; exceptional intruder protection in accordance with BS7950

Fabrication:

- All of the benefits of the TITAN AF system

Installation:

- No mechanical processing of the sashes
- Easily accessible 3D adjustment





ALU axxent

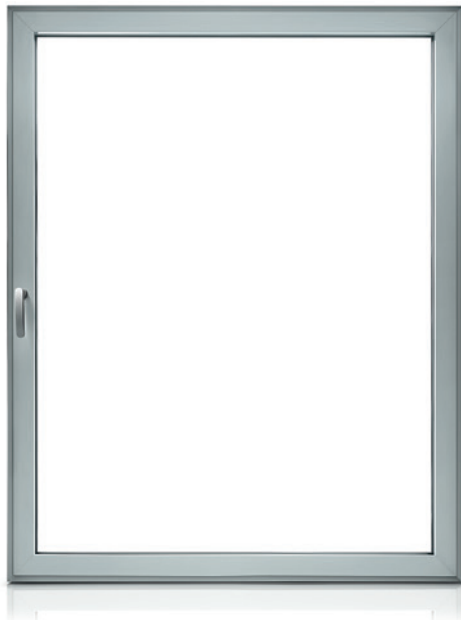
ALU axxent

Aluminium window systems are synonymous with durable functionality and exceptionally long service life. This makes them the perfect basis for complex architectural concepts that require the utmost planning and design freedom.

With ALU axxent, the fully concealed hardware product line, you're not only well prepared for architectural challenges. You also benefit from all of the advantages of our modular system.

The greatly reduced number of individual components and the high degree of pre-assembly allows you to optimise your workflows. At the same time, the fully concealed ALU axxent series can be combined with the entire ALU system's universal range of accessories as required. From rose-free handles to intruder resistant windows up to RC2 with integrated electronic locking monitoring, virtually every customer's request can be easily made a reality.

All this provides great opportunities for perfectly designed, beautiful windows and optimized production processes, in order to enhance sophisticated façade constructions.



Load-bearing efficiency in a modular system.

For aluminium windows
with frame grooves from 10 to 14 mm

Load-bearing capacity:

- Up to 130 kg for turn, tilt & turn and tilt only windows

Convenience:

- Large opening angle of 110° in the turn position
- Snap-in stay locking function in the tilt position



Fabrication:

- ALU modular system: Fewer individual parts, pre-assembled components and a comprehensive range of accessories that can be freely combined
- Universal hardware for all opening variants

Installation:

- Quick assembly using clamp-on compact components



DRIVE axxent

DRIVE axxent

With the right technology, you don't have to choose between enhanced home comfort and visually attractive design. axxent's flexible chain drives not only allow difficult to reach tilt & turn windows and skylights to be opened and closed with ease, but they also complement every design concept perfectly.

Whether used in sophisticated residential or commercial construction, in timber, PVC or aluminium windows: as a design solution that is fully integrated into the profile, DRIVE axxent opens up the possibility for fully automated and monitored ventilation.

This enhances both the living environment and the value of a property.

With the DRIVE axxent and DRIVE axxent DK chain drives, SIEGENIA is able to offer two distinct solutions that bring exceptional design and convenience together in harmony to suit individual requirements and living spaces.

Controlling the drives is exceedingly simple using a push button, wireless signal or infrared remote. They can be easily integrated into a building control system and can also be controlled and monitored using iWindow, the intelligent app solution for secure windows.

DRIVE axxent DK



Inspired design.

DRIVE axxent DK

Fully concealed chain drive motion with a hardware lock for aluminium, timber and PVC tilt & turn windows.

Convenience:

- Motorized locking, unlocking and tilting
- Fast opening speed
- Closing speed meets safety requirements
- Can be operated manually, even when tilted using motors
- Opening width: 120 or 150 mm

Installation:

- Fully concealed installation
- Can be adjusted even after it has been installed

DRIVE axxent

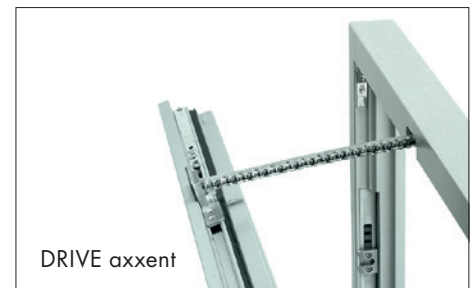
Fully concealed chain drive motion for aluminium, timber and PVC tilt only windows.

Convenience:

- Motorized tilting
- Large opening width: 350 mm

Installation:

- Easy installation and simple adjustment once the drive has been installed





axxent door hinge

axxent door hinge

Robust and reliable technology makes doors secure. Easy and flexible installation makes this hardware efficient. And a fully concealed hinge turns everyday doors into subtle design elements that contribute to optimal home comfort. To unite strength, efficiency and design – or rather, to form one range of hardware – we have developed the axxent door hinge specifically for aluminium doors.

This two-piece hinge with frame and sash part can hold doors weighing up to 120 kg. It requires only minimal profile milling and offers tangible benefits during installation: the door leaf is fitted by simply pushing it into position, and the convenient 3D adjustment feature provides the installer with exceptional flexibility in terms of lateral, height and pressure adjustment.

Attractive design and efficiency are the keys.

Two-piece hinge with frame and sash part for aluminium doors.

Load-bearing capacity:

- Up to 120 kg

Convenience:

- Easy to clean

Fabrication:

- Low profile milling required

Installation:

- Door leaf can be easily fitted and unhinged
- Easy 3D adjustment and a large adjustment range



SIEGENIA[®]
SOLUTIONS INSIDE

Head Office:
Industriestraße 1-3
57234 Wilnsdorf
GERMANY

Phone: +49 271 3931-0
Fax: +49 271 3931-333
axxent@siegenia.com
www.axxent-beschlag.com



You can find address details for our
international sites at: www.siegenia.com

SIEGENIA worldwide:

Austria Phone: +43 6225 8301
Belarus Phone: +375 17 3121168
Benelux Phone: +32 9 2811312
China Phone: +86 316 5998198
France Phone: +33 3 89618131
Germany Phone: +49 271 39310
Great Britain Phone: +44 2476 622000

Hungary Phone: +36 76 500810
Italy Phone: +39 02 9353601
Poland Phone: +48 77 4477700
Russia Phone: +7 495 7211762
South Korea Phone: +82 31 7985590
Switzerland Phone: +41 33 3461010
Turkey Phone: +90 216 5934151
Ukraine Phone: +380 44 4637979

Contact your dealer: