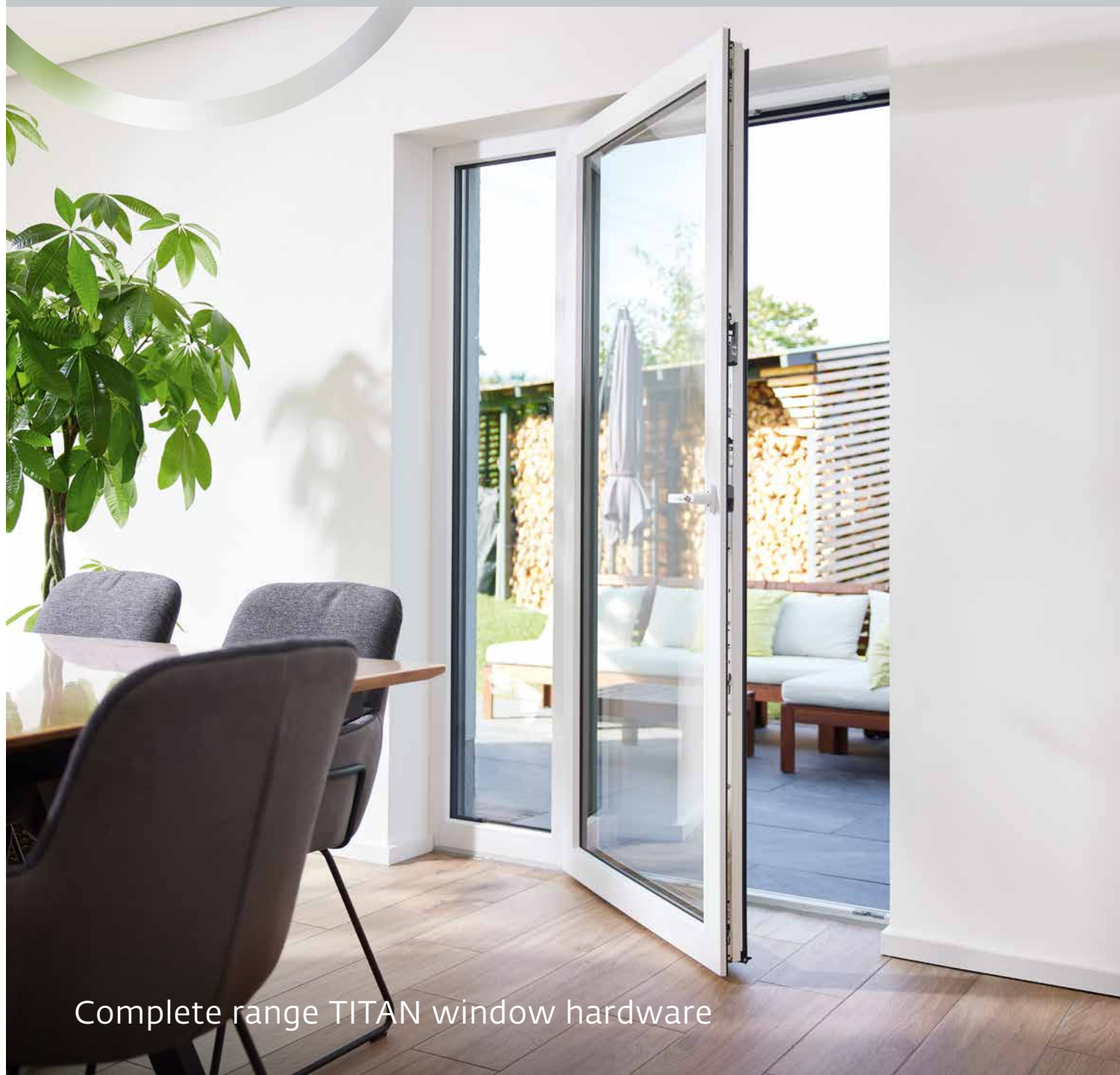


New perspectives for  
the living of tomorrow.

**360°**  
room comfort



Complete range TITAN window hardware

**Experience  
room comfort.**  
We bring  
spaces  
to life.





### **More than 100 years of experience.**

As a German family enterprise, for four generations now we have been developing future-oriented systems, which make your life easier in your everyday fabricating processes, and providing your customers with the security that comes with creating a home or a modern working environment out of four walls. Our products and solutions bring spaces to life and give people a sense of well-being.

Our instinct for the requirements of the market, the developments of the future and for the demands of our customers has made us one of the leading international innovation providers today. We owe this to a staff of more than 2,800 in around 80 countries and to the intensive exchange of ideas with our partners and customers.

Even if we didn't call it "room comfort" before: we have been working on this for over 100 years.

### **Room comfort with an all-round view.**

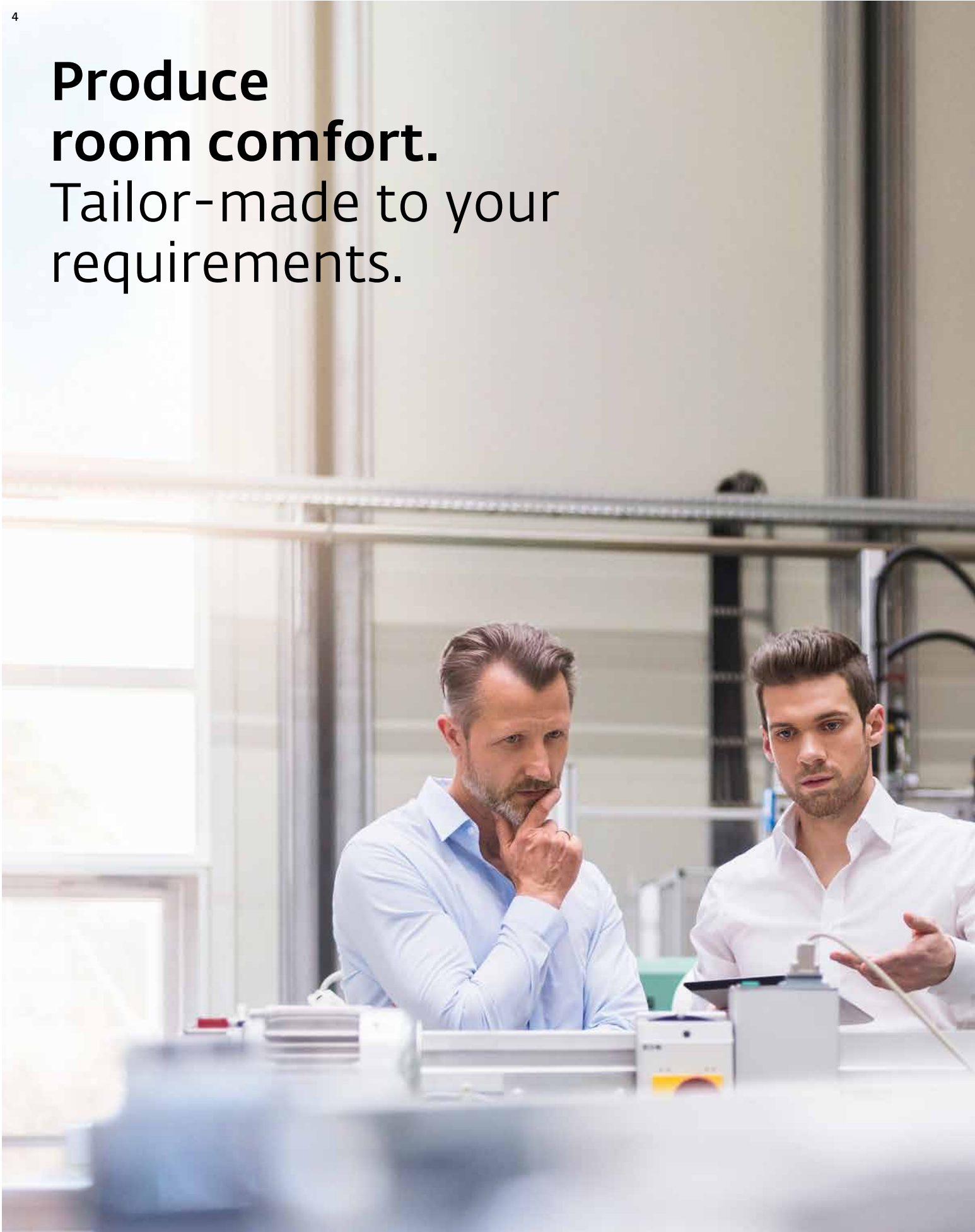
In all our product developments, we consistently keep an eye on the trends and requirements of the future. Moreover, we combine this with tailored services which integrate each of our partners. But holistic, future-oriented room comfort comprises even more: namely, taking responsibility for our environment with resource-saving processes.

These are targets that we persistently pursue and by which we measure ourselves with conviction and an all-round-view:



- > Future-oriented product solutions
- > Customised services
- > Low-resource processes

**Produce  
room comfort.**  
Tailor-made to your  
requirements.





### **More solutions from one single source.**

With a very diversified product portfolio for modern window systems, door systems and comfort systems, you can obtain everything from one single source with SIEGENIA, to stringently tested quality and with a wide range of innovations. With our TITAN window hardware, your solutions can range from reliable project solutions to design-led windows with concealed hinge side, maximum comfort and resistance class RC3.

### **More flexibility and cost-effectiveness.**

TITAN window hardware gives you all the options you need for customised scaling, allowing you to tailor your systems precisely to meet any project requirements. With an extensive range of solutions utilising a minimal number of components, together with a high level of pre-assembly and the best possible adjustment options, TITAN guarantees lean logistics and extremely simple fabrication.

### **Customised services.**

It is often minor details that make such a decisive difference in practice. With SIEGENIA, you have a partner who pays attention to every detail and who is aware of your everyday requirements better than anyone else. For this reason, we have pooled our product systems together with our complete know-how for you: in service packages that provide precise advice, information or on-site support. Whether this is for your production, training your staff, your marketing or your assembly line – we are there for you!

### **More versatility in one system.**

As well as opening up a whole range of options for customised room comfort, TITAN also leaves nothing to be desired when it comes to production, logistics and assembly – thanks to the vast array of options for saving time and sustainably reducing costs throughout the entire production process.



# Plan room comfort. You can build on this.



## More planning quality with room comfort.

Our high-quality hardware, ventilation and building technology not only provides the building blocks for modern living and room concepts, but also well-coordinated systems. Because only when all room functions work together as one system can a room truly become a living space.

With SIEGENIA you have the freedom to create the comfort that brings spaces to life: room comfort.

## Comprehensive support.

We want to support you with qualified consultation and services. Our team of project consultants and application technicians as well as the corresponding data technology and software are at your disposal for this purpose.



[architekten.siegenia.com](https://architekten.siegenia.com)

# TITAN window hardware

## Overview

### TITAN hardware system

Sash components	08
Hinge sides for PVC	14
Hinge sides for timber	18
Hinge sides for aluminium	22
Frame parts	24
Solutions for thresholds	28
Smart solutions	30
Accessories	38
Handles	42
Finishes	46

## Sash components

Achieve more with fewer components.



In order to achieve more with fewer components, quality is key. With TITAN, this comes in the form of unique product details, such as the tried-and-tested comfort mushroom cam, the production-optimised click-on coupling feature and innovative tilt points. TITAN combines a consistently diverse range of solutions with excellent cost-effectiveness in all stages of production.



# Save time at every stage of production

## Comfort mushroom cam

Automatic tolerance compensation.

The high-performance locking pin combines a high level of intruder resistance with superior ease of use. Thanks to its automated height adjustment, it is able to automatically compensate for airgap tolerances and guarantees a smooth-running and secure window that is always optimally adjusted.



- Automatically adjusts in height
- Locks into place and is the only solution to stay in the optimum position
- Rolls smoothly into the striker plate every time and guarantees a locking system that is always optimally adjusted
- Combines a high level of burglar resistance with superior ease of use

### Production benefits

- Ensures continuous and fully automated compensation of production tolerances, too
- Also suitable for areas with particularly large air gaps
- Reduces the need to make adjustments both during production and installation on site
- Effective system structure up to RC4 with fewer components
- Automatic height adjustment to reduce adjustment work
- Quick on-site readjustment without the need for tools
- Prevents costly and time-consuming complaints

## Stop plate

Makes production tolerances invisible.

Any imperfectly punched cover rails or gaps between the components are smoothed out and concealed. The intersection between the gear and the stay is also protected against corrosion.



- Guarantees a flawless, high-quality appearance
- Protection against corrosion

### Production benefits

- Compensates for production tolerances easily

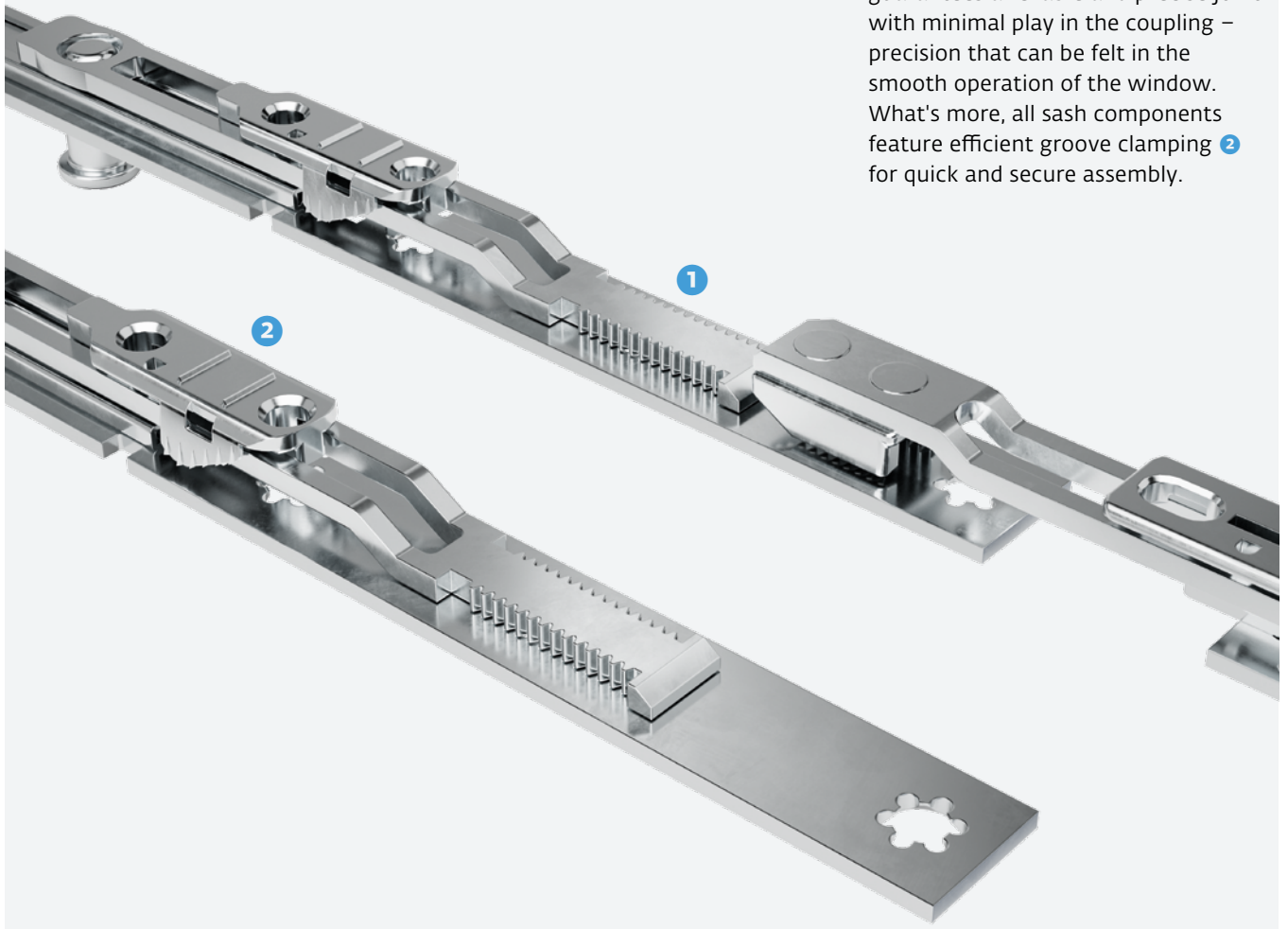
# Save time at every stage of production

## TITAN click-on coupling points

Masterfully coupled: faster and more precise, for automated and manual assembly.

The special TITAN click-on coupling points make for extremely efficient coupling that is not affected by tolerances – for any assembly technique. If necessary, linkages and extensions on the bottom side and on the hinge side can be installed on the pre-weld profile. When installing on the finished sash, simply slide underneath the corner drive to enable quick positioning.

The fine tothing **1** with a 1.5 mm tooth pitch and large coupled bevels guarantees a reliable and precise joint with minimal play in the coupling – precision that can be felt in the smooth operation of the window. What's more, all sash components feature efficient groove clamping **2** for quick and secure assembly.



### Short or long components from a single kit.

Flexible production.

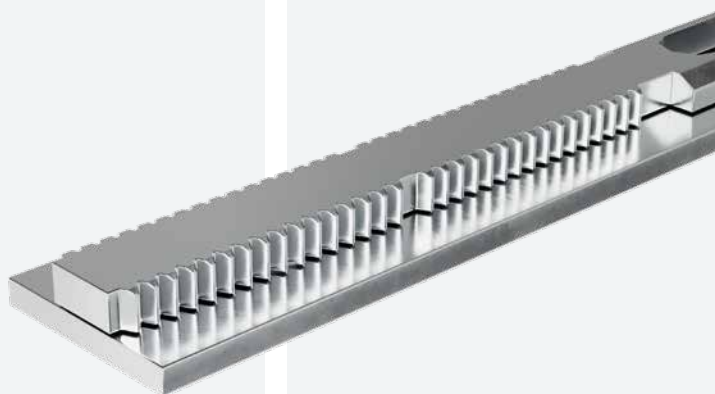
Only TITAN gives you the freedom to choose. Corner drives on the hinge side come in five sizes. This means that window rebate heights of up to 2,200 mm can be achieved with just a single long component **1**. This has the benefit of ensuring an accurate fit of the cams and quick assembly. Depending on the production layout and to enable particularly ergonomic handling, short components with linkages **2** can alternatively be used. These can be placed on the pre-weld profile beforehand or quickly inserted afterwards using a click-on coupling point **3**.



### Precisely cropped lengths

Outage times? Shorter by far.

Precisely cropped lengths and faster handling – allowing longer operating times to be achieved with the punch when cropping.



# TITAN tilt points

## Tilt point with integrated sash lift ①

More than just standard.

Even the basic version sets a high standard. The slider always distributes the sash weight perfectly downwards, thereby automatically compensating for production tolerances.



## Tilt point with sash lift ① and sash lift roller ② in the frame part

Reduces wear to a minimum.

Lifting the sash gently and early reduces the abrasion marks on the frame part to an absolute minimum. Additional operating safety is guaranteed by the optional mishandling device ③, which is also offered pre-assembled – for even more efficient production processes.



- Consistently smooth and flawless opening, tilting and closing of the sash
- Can be used with all window sizes
- Multiple functions combined in one component for improved efficiency
- Consistently optimised adjustment of the window thanks to the self-adjusting comfort mushroom cam, which acts as a locking pin

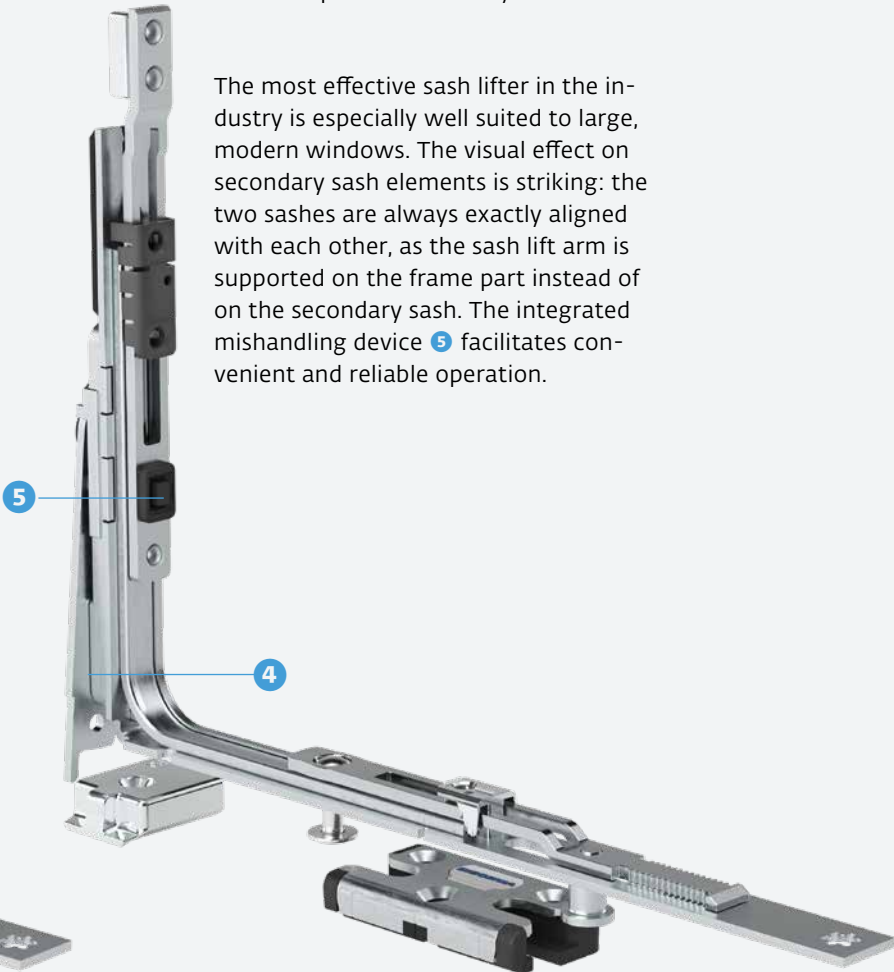
### Production benefits

- Three variants, offering the greatest possible flexibility for any customer requirements
- High level of pre-assembly saves time and storage space
- Click-on coupling point enables quick and secure connections
- Fast production processes – low number of screw points

### Tilt points with sash lift arm 4

Smooth operation of heavy sashes.

The most effective sash lifter in the industry is especially well suited to large, modern windows. The visual effect on secondary sash elements is striking: the two sashes are always exactly aligned with each other, as the sash lift arm is supported on the frame part instead of on the secondary sash. The integrated mishandling device 5 facilitates convenient and reliable operation.



### TITAN tilt-lock elements

Play on the sash is eliminated.

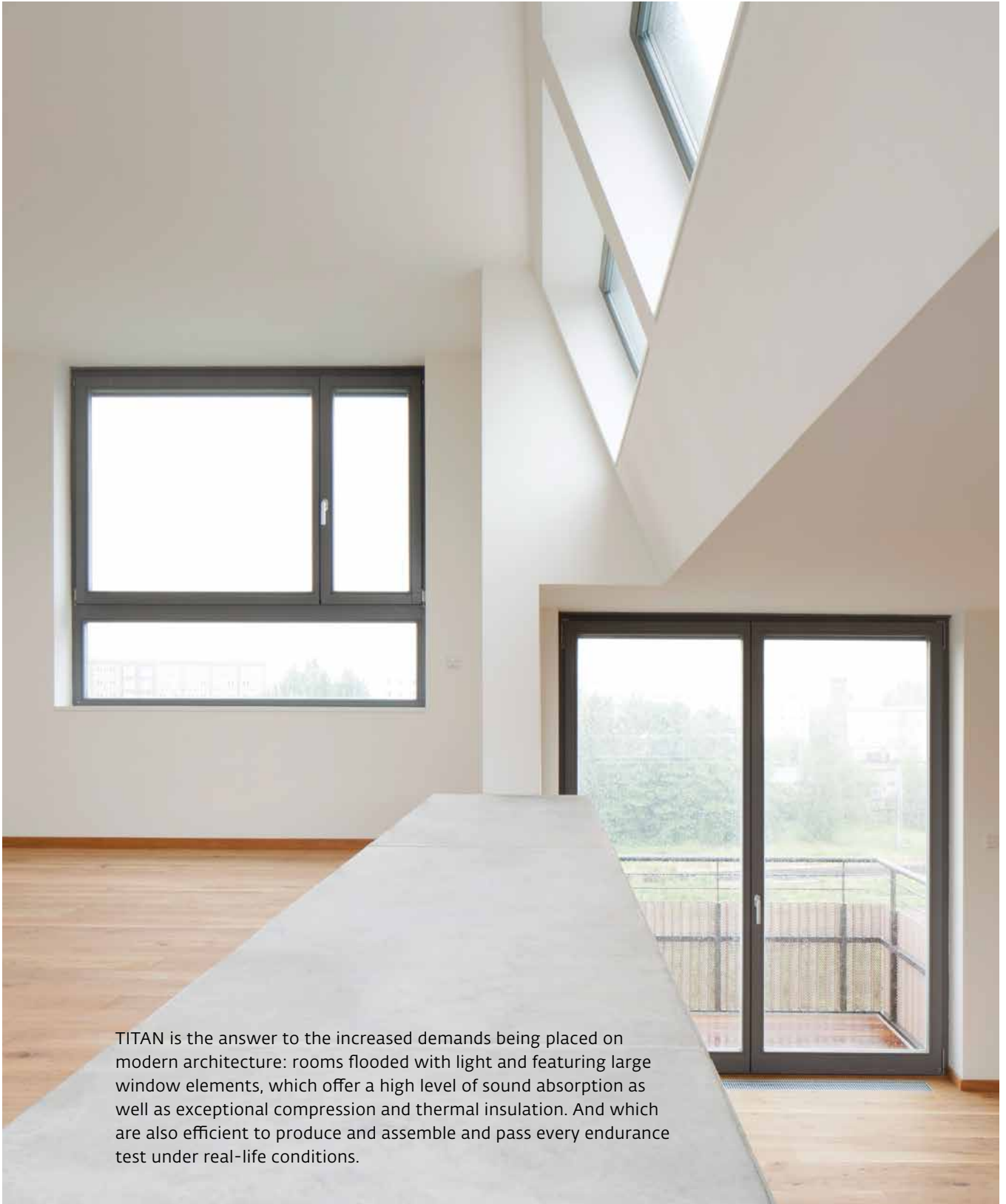
TITAN tilt-lock elements for use with a tilt striker plate (vertical tilt point) prevent warping or play on the sash of turn-and-tilt windows.



- Easy to retrofit the sash lifter
- Controllable pressure adjustment
- With integrated run-up and anti-lift protection in the tilt position
- Suitable for all window sizes with PVC, timber or timber-aluminium profiles

## Hinge sides for PVC

Combine more load capacity with more efficiency.



TITAN is the answer to the increased demands being placed on modern architecture: rooms flooded with light and featuring large window elements, which offer a high level of sound absorption as well as exceptional compression and thermal insulation. And which are also efficient to produce and assemble and pass every endurance test under real-life conditions.

# Surface-mounted hinge side for PVC

## TITAN PVC hinge side for 150 kg

Increased load capacity thanks to reinforced bearing components.

The exceptionally high functional reliability has been successfully tested in partnership with leading system providers. Reinforced bearing components and wear-resistant PVC bearings mean that even large window elements can be realised with increased sound absorption and thermal insulation.



- For turn-only and turn-and-tilt windows with sashes weighing up to 150 kg with identical frame clearance
- 150 kg load capacity in the highest class H3 with 20,000 cycles
- Tested in partnership with system providers
- Reinforced bearing components made of high-strength alloy
- Flush with the rebate at the top and bottom, all screws concealed, caps and coating possible
- Optional notch corner hinge with pressure adjustment
- Entry protection in the tilt position

### Production benefits

- Can be fitted in any opening position
- Fixings in-line
- Drilling can be carried out on the pre-weld profile

## TITAN PVC stay hinge

Optimised technology for more efficient production.

The optimised stay hinge can be connected even more quickly and intuitively, and rotated in the correct installation direction, by simply engaging it in the striker packer on the stay arm. No additional screws or production aids are required for this.



- Integrated turn restriction prevents the sash from closing while in the turning position
- Sealing chamfer and beading in the stay hinge

### Production benefits

- More efficient installation thanks to faster and more intuitive connection and rotation in the required stop direction
- No additional screws, production aids or tools required
- Less readjustment work owing to more rigidity in the system
- Reduced logistics and minimal warehousing thanks to non-handed, compact components

## Concealed hinge side for PVC

### **TITAN axxent 24+ hinge side for 150 kg**

Clear benefits in terms of design and durability.

TITAN axxent 24+ makes it possible to achieve windows with an exceptionally high-quality design: large window surfaces with a clean look and narrow frame widths. And all that with just a few components, a high level of pre-assembly and the option to make practical 3D adjustments.



- High load capacity for sashes weighing up to 150 kg without additional parts
- High-strength materials in the best possible material combination for outstanding durability
- Easy to readjust
- Also ideal for windows with small dimensions thanks to compact design

#### **Production benefits**

- Easy-to-access 3D adjustability on the top and bottom pivot: continuous pressure adjustment
- Just four hinge-side components per window and a high level of pre-assembly
- Lean warehousing with reduced costs due to the small number of variants
- No additional frame parts or corner drives necessary
- Simple installation of the sash when slightly open



**High load capacity with fewer components.**

The high load capacity, which can support sashes weighing 150 kg, is achieved with just a few hinge-side components per window. Additional frame parts and corner drives are not necessary.

**Easy-to-access 3D adjustability.**

The continuous pressure adjustment on the top and bottom pivot enable easy and precise readjustment.



The discreet cover cap protects the bottom hinge from dirt.



## Hinge sides for timber

High-quality solutions for a living material.



Whether you're looking for modern room design and living spaces, heavy sashes weighing up to 300 kg or bespoke profiles – TITAN has a hinge side to suit every window, allowing the unique durability and insulating properties of timber as a living material to be combined with a reliable load capacity and sustainability benefits in the production process.

# Surface-mounted hinge sides for timber

## TITAN timber hinge side for 150 kg

Reliable operation and a clean design.

The TITAN timber hinge side is available in just one variant for all sash weights up to 150 kg, with identical frame clearance and without any additional components. In addition to the entry protection in the tilt position, the wear-resistant plastic bearing also ensures outstanding functional reliability and durability.



- Reduced thermal bridges thanks to a double well with a diameter of 30 mm
- Wear-resistant PVC bearing
- Entry protection in the tilt position
- All screws concealed, caps and coatings possible
- Just one version for all sashes weighing up to 150 kg: identical frame clearance, no additional parts

### Production benefits

- Quick production thanks to optimised double-well contour
- Can be fitted in any opening position using polygonal top hinge pins with integrated turn restriction
- Fixings in-line
- Fabrication on pre-weld profile is possible

## TITAN heavy duty hinge side for 300 kg

Increased simplicity and safety for heavy sash weights.

Whether it's turn-and-tilt sashes weighing up to 200 kg or turning sashes weighing up to 300 kg, TITAN heavy duty makes light work of heavy loads – high ease of use thanks to innovative ball bearings and simplified installation thanks to special bottom hinge and top hinge pins.



- Wear-resistant pressure die-cast steel combination with special surface finish
- For timber or timber-aluminium windows with a sash width of up to 1.80 m and up to 3 m in height
- Reliable load capacity: turn-and-tilt sash up to 200 kg and turning sash up to 300 kg
- Innovative ball bearing
- No thermal bridges thanks to a continuous seal

### Production benefits

- Milled edge cover to compensate for production tolerances
- The top hinge pin can be inserted in any sash position
- Easy height and lateral adjustment

# Concealed hinge sides for timber

## TITAN axxent 24+ hinge side for 150 kg

Clear benefits in terms of design and durability.

TITAN axxent 24+ makes it possible to achieve windows with an exceptionally high-quality design: large window surfaces with a clean look and narrow frame widths. And all that with just a few components, a high level of pre-assembly and the option to make practical 3D adjustments.

## High load capacity with fewer components.

The high load capacity, which can support sashes weighing 150 kg, is achieved with just a few hinge-side components per window. Additional frame parts and corner drives are not necessary. It is also possible to upgrade to a sash weight of 185 kg with just one additional load transfer.



- High load capacity for sashes weighing up to 150 kg without additional parts
- High-strength materials in the best possible material combination for outstanding durability
- Easy to readjust
- Also ideal for windows with small dimensions thanks to compact design
- Particularly wear-resistant and durable
- Also suitable for use with timber-aluminium profiles with a minimum rebate depth of 24 mm

### Production benefits

- Easy-to-access 3D adjustability on the top and bottom pivot: continuous pressure adjustment
- Just four hinge-side components per window and a high level of pre-assembly
- Lean warehousing with reduced costs due to the small number of variants
- No additional frame parts or corner drives necessary
- Simple installation of the sash when slightly open

The discreet cover cap protects the bottom hinge from dirt.

**Easy-to-access  
3D adjustability.**

The continuous pressure adjustment on the top and bottom pivot enable easy and precise readjustment.



Top and bottom pivot with  
easy-to-access 3D adjustment.

**TITAN axxent SE hinge side for 130 kg**

For special timber window profiles in the Scandinavian market.

The fully concealed TITAN axxent SE hinge side has been specially developed for the profiling that is particularly widespread with timber windows in Scandinavian countries. It is particularly convenient and durable and requires no modifications to the sash profile.



- Up to 130 kg sash weight
- Low frame clearance is possible
- Integrated anti-slam device and shift interlock in the tilt position
- Locked on the hinge side by means of bolt tongue

**Production benefits**

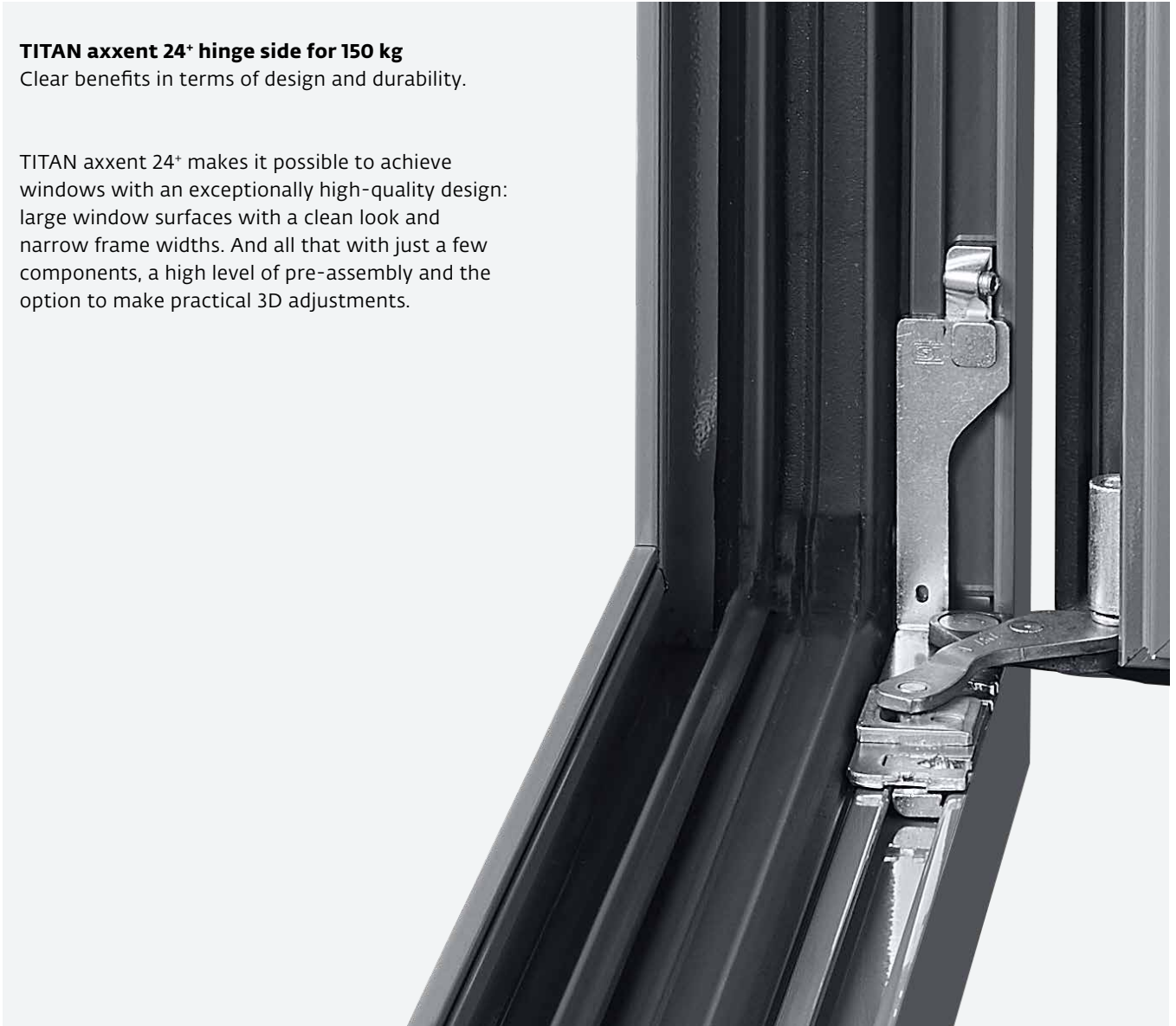
- No modifications on the sash profile
- Frame part can be drilled in and the compression adjusted
- Easily accessible 3D adjustment on the bearings

## Concealed hinge side for aluminium with a 16 mm fittings groove

### **TITAN axxent 24+ hinge side for 150 kg**

Clear benefits in terms of design and durability.

TITAN axxent 24+ makes it possible to achieve windows with an exceptionally high-quality design: large window surfaces with a clean look and narrow frame widths. And all that with just a few components, a high level of pre-assembly and the option to make practical 3D adjustments.



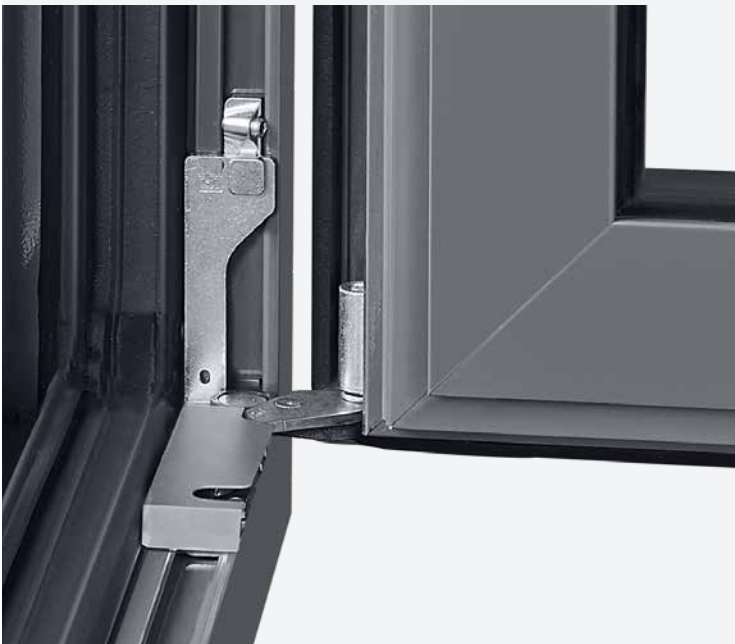
- High load capacity for sashes weighing up to 150 kg without additional parts
- Easy to readjust
- Particularly wear-resistant and durable
- Integrated locking point due to shoot bolt
- Continuous seal and integrated pressure adjustment

#### **Production benefits**

- Easy-to-access 3D adjustability on the top and bottom pivot: continuous pressure adjustment
- Just four hinge-side components per window and a high level of pre-assembly
- Lean warehousing with reduced costs due to the small number of variants
- No additional frame parts or corner drives necessary
- Simple installation of the sash when slightly open
- Very simple fixing with clamping screws

**Fewer components, faster and perfectly matched to the profile.**

The high load capacity of 150 kg in sash weight can be increased to 185 kg in sash weight with an upgrade. This precise configuration of the variants to match the profiles is unique in the industry and ensures fast and reliable fabrication processes. The bearing components are simply pivoted into the groove and can be precisely and effortlessly positioned by means of terminal strips that are tailored to the respective frame groove. The quick and easy installation of the sash also saves time and provides ergonomic benefits.



The discreet cover cap protects the bottom hinge from dirt.



Top and bottom pivot with easy-to-access 3D adjustment.

## Frame parts

Even the standard version sets completely new standards.



TITAN frame parts guarantee smooth-running, durable and fully secure windows. They are perfectly adapted to the comfort mushroom cam, and the combination of steel and PVC minimises the operating forces that occur when closing the window and ensures optimum sealing.

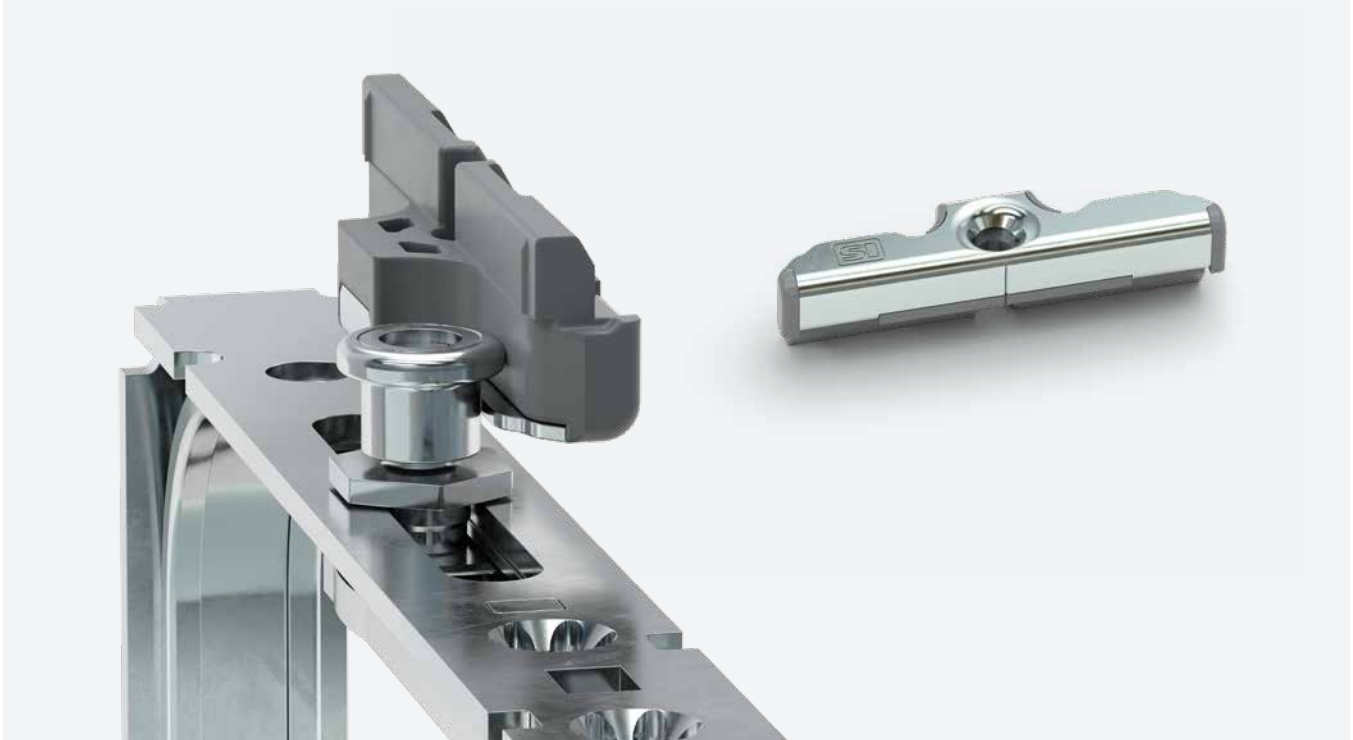


# Standard striker plates

## Standard striker plates

High basic security with greater ease of use.

The material combination of PVC and steel offers exceptional ease of use together with unrivalled wear-resistance and light torque. The standard striker plates are low-maintenance and durable, especially when combined with the comfort mushroom cam.



- Improved run-in contour for the snapper
- High-strength combination of steel and PVC
- Optimum compression, a high level of basic security and easy switching thanks to special undercut geometry
- Run-in on PVC is especially smooth and without abrasion
- Low-maintenance and durable when combined with TITAN comfort mushroom cam incl. height adjustment and roller function

### Production benefits

- Non-handed to minimise the number of components
- With a height of just 8 mm, it is also ideal for screwing in small or narrow windows

# Security striker plates

## Security striker plate

Burglar resistance up to RC4.

With the high-strength combination of steel and plastic and the best possible alignment with the comfort mushroom cam, TITAN security striker plates enable burglar resistance up to RC4. And all this with minimal wear and high ease of use.

## Logoclips

Customisable logoclip for an impressive brand identity.

The security striker plates and tilt-lock bearings – which feature the SIEGENIA logo as standard – can be customised using a logoclip for greater design freedom.



- Can be upgraded to RC4 efficiently with simple jig technology and uniform striker plate positions
- High-strength, wear-resistant combination of steel and PVC, just 8 mm high
- Best possible alignment with comfort mushroom cams
- Customisable logoclip

### Production benefits

- Also an option for fully automated installation of frame parts on pre-weld profiles
- Non-handed to minimise the number of components

- Can be ordered separately and in small quantities
- Can be retrofitted easily at any time
- Customisable logoclip for a uniform brand identity
- Suitable for TITAN security striker plates and tilt-lock bearings

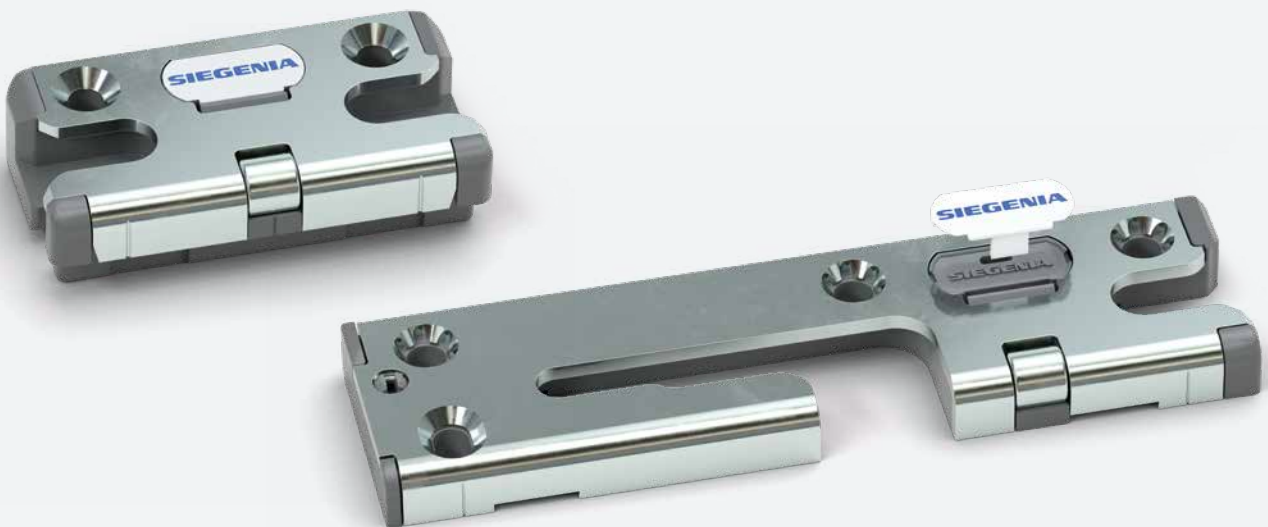
### Production benefits

- Can be installed without tools in one easy step
- Premounted on request

### 56 S-RS tilt-lock bearings, TBT tilt-lock bearings

The perfect option for VSU/K 56+ corner drives.

The tilt-lock bearings are optimised for the tilt point with sash lift. The integrated sash lift roller reduces the abrasion marks on the frame part to an absolute minimum and ensures ease of use that lasts.



- Component length and screw positions same as standard and security striker plates (not for TBT)
- Can also be used with pole connectors
- Integrated mishandling device and run-up plate for sash lift roller on the corner drive possible
- Customisable logoclip

#### Production benefits

- Non-handed to minimise the number of components (not for TBT)

## Solutions for thresholds

From a high-quality standard to consistently barrier-free design solutions.



TITAN paves the way for greater accessibility and burglar resistance and perfect design. Whether it's for single or double-sash French doors made of timber or PVC – besides solutions for standard thresholds, TITAN also provides options for access without thresholds.

### Solution for standard thresholds

Simply more options, even for the standard.

The standard thresholds give you more scope to stand out from the competition. They can easily be combined with a concealed hinge side for a high-quality appearance.



- More scope to stand out from the competition
- Can be combined with a concealed hinge side
- Burglar resistance up to RC2 is possible
- Good protection from driving rain

#### Production benefits

- Quick and efficient production and logistics

### Solution for level thresholds

Excellent compatibility with all leading threshold systems.

TITAN, even with 0-mm thresholds, provides all the options for greater accessibility with a high level of intruder protection and perfect design at the same time. This applies to all leading threshold systems with a magnetic or drop-down seal for single or double-sash French doors.



- For all leading threshold systems with magnetic or drop-down seal
- Can be used for single-sash or double-sash French doors
- Burglar resistance up to RC2 is possible
- Good protection from driving rain

#### Production benefits

- Quick and efficient production and logistics

## Smart solutions

An intelligent range of solutions for individual room comfort.

For forward-looking customer solutions, TITAN can be supplemented with products that can be intelligently controlled, locked and monitored. In this way, mechanical windows are transformed into smart windows that deliver even more security and ease of use.



**Motors for windows**

High-performance solutions for fully automated ventilation.

**Wireless solutions**

Windows that adapt to individual requirements for convenience and security.

**Wired solution**

Integration into central monitoring or alarm systems.



# Motors for windows

## DRIVE CL tilt locking drive

The economical all-rounder for PVC windows in standard sizes.

DRIVE CL offers an easy-to-install and economical solution and, alongside automatic "unlocking", "tilting" and "locking", also enables the door to be opened to a user-defined opening width.



### PVC profile material

On request: timber and aluminium



### 80 kg

Max. sash weight



### Up to 150 mm

Opening width

- For turn-only and turn-and-tilt windows with up to 80 kg sash weight
- PVC profile material, timber and aluminium profile material on request
- Motorised locking, unlocking and tilting via push button or wirelessly
- User-defined opening width up to 150 mm using the stop function
- Ventilation timer can be programmed as required using the app
- Night vent function
- Whisper mode can be selected using the app
- Auto-Lock function: if the window is pushed closed it locks automatically, meaning the handle can be dispensed with completely
- Motorised turning position
- Optional WIFI module for operation using the SIEGENIA Comfort app
- Suitable for integration into the building control technology

### Production benefits

- Easy to install; can be adjusted even after installation
- Extremely simple production processes: no assembly work required for a cable transfer or an additional locking drive
- Optional test unit available for simple setup
- Quick and easy setup: the opening width is programmed automatically



### Tilt locking drive DRIVE axxent DK


The high-end solution for all profile materials and even large elements.

The DRIVE axxent DK moves turn-only and turn-and-tilt windows effortlessly and is easy to install, with the added option of fully automated window ventilation. It combines the "unlocking", "tilting", "closing" and "locking" functions in one single system.



 **All profile materials**  
PVC, timber or aluminium

 **130 kg**  
Max. sash weight

 **Up to 150 mm**  
Opening width

- For turn-only and turn-and-tilt windows with up to 130 kg sash weight
- For all profile materials
- Motorised locking, unlocking and tilting via push button or wirelessly
- User-defined opening width up to 150 mm using the stop function
- Ventilation timer can be programmed as required using the app
- 10-minute automatic ventilation
- Whisper mode can be selected using the app
- Auto-Lock function: if the window is pushed closed it locks automatically, meaning the handle can be dispensed with completely
- Motorised turning position
- Can be operated manually even if it has been locked automatically
- Optional WIFI module for operation using the SIEGENIA Comfort app
- Suitable for integration into the building control technology

#### Production benefits

- Easy to install; can be adjusted even after installation
- Extremely simple production processes: no assembly work required for a cable transfer or an additional locking drive
- Optional test unit available for simple setup
- Auto-adjustment during the initial setup

# Wireless solutions based on the Matter standard

## Smart window handle

The handle that helps windows do more.

The smart window handle is the innovative upgrade from manually lockable window handles: its smart features guarantee extra security when windows are closed – without even needing a key. It also creates a feeling of protection and comfort that can be effortlessly adapted to a wide variety of everyday situations.

The smart window handle can be integrated into compatible Matter-based smart home systems and controlled using the app or a voice assistant. The new Matter communication standard ensures seamless compatibility and communication between devices from different manufacturers.



- Lock and unlock window handles from the app, no key necessary
- Monitor opening and locking from the app or using popular voice assistant systems
- Leaving home and coming home function: push notifications with reminders to lock or unlock all the windows
- Central locking function: lock all your windows with a tap of your finger
- Remote access: monitor and control remotely at any time
- Create time profiles when window handles should always be unlocked or locked
- Additional functions available in the SIEGENIA HomeConnect app
- Can be integrated into scenarios: such as automatically turning the heating or air conditioning down as soon as a window is opened
- Intuitive integration into Matter-based smart home systems: no separate control centre or electrics required



Smart window handle  
compatibility list



## The new communications standard for smart home systems

### Smart sensor

The invisible security solution.

The smart solution reliably detects the locking position of the window based on the position of the hardware. And what makes it so special is that it is concealed in the frame, so the appearance of the window is completely unaffected. It can also be used as a contact sensor on sliding doors or skylights. And thanks to its Matter compatibility, it can be integrated into various smart home systems extremely easily.



- Monitor opening and locking from the app or using popular voice assistant systems
- Concealed installation for window systems, sliding systems and parallel slide & tilt systems
- Surface-mounted installation for lift-slide systems, entrance doors, skylights and garage doors
- Can be integrated into scenarios: such as automatically turning the heating or air conditioning down as soon as a window is opened
- Intuitive integration into Matter-based smart home systems: no separate control centre or electrics required



Smart sensor  
compatibility list

# Wired solution: AEROCONTROL

## AEROCONTROL

VdS-tested magnetic switch for monitoring opening and locking of windows.

Modern electronics contribute towards safe and energy-efficient living. Our modern AEROCONTROL magnetic switch offers you a particularly flexible solution that can be concealed in the profile and meets even the most demanding requirements in terms of security and convenience.

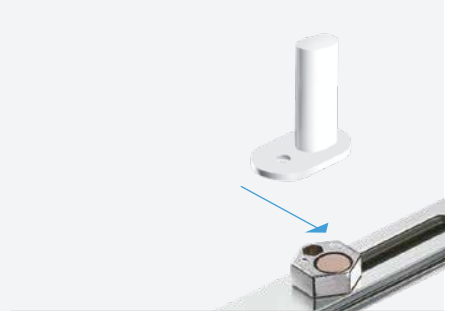
Window securely locked:  
contact between magnetic switch  
and mobile cam



Locking monitoring:  
hardware is not properly locked  
or moved by force



Opening monitoring:  
sash not in contact with frame,  
contact interrupted



- VdS-tested, integrated opening and locking monitoring system: up to the highest VdS class C, depending on switch type
- Recognised system recommended by the police
- With sabotage monitoring and external magnetic field control of magnetic switch (depending on switch type)
- Extensive accessories for alarm glazing
- Variants with EN approval
- Effortless integration in existing alarm and monitoring systems
- Can be networked with all conventional BUS systems

### Production benefits

- Can be easily used in the frame rebates of many window types and patio doors, regardless of profile
- Just two components required

### Electronic burglar resistance up to VdS class C

With the AEROCONTROL magnetic switch, windows can be integrated with great flexibility and reliability into a central monitoring or alarm system with VdS class C or higher.

VdS

### Safe operation of exhaust air units

When used together with our DIBt-certified safety extraction switch, AEROCONTROL also enables open fireplaces to be used safely in combination with extractor hoods and exhaust air units.

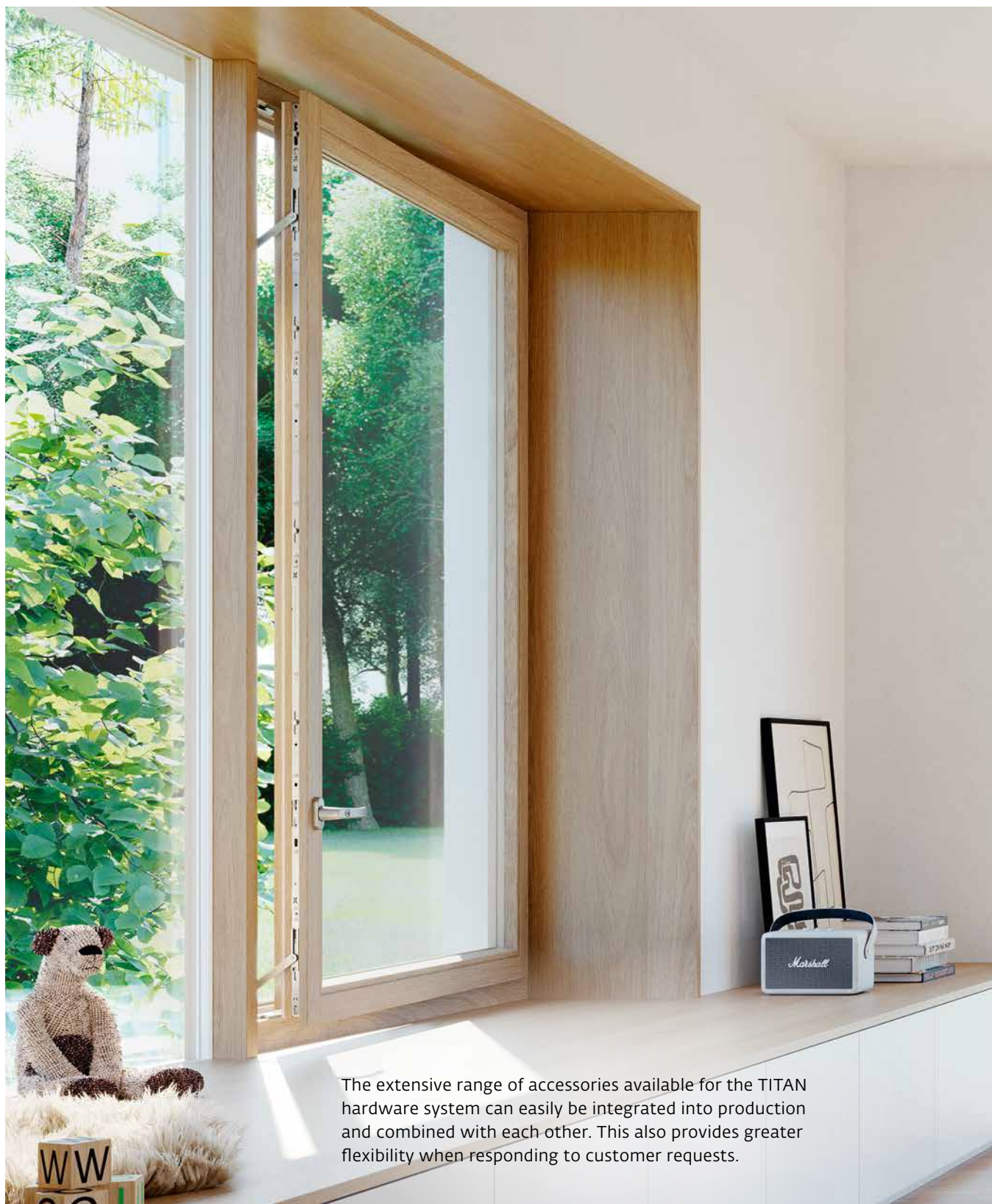
### Automatic control of heating and air conditioning

Windows open – heating or air conditioning off. Selected AEROCONTROL magnetic switches can be connected to the thermostatic valves of heaters or to the air-conditioning system via the building management system. As a result, they are automatically turned down when the windows are ventilated, saving energy.



## Accessories

Intelligent options for more design freedom.



The extensive range of accessories available for the TITAN hardware system can easily be integrated into production and combined with each other. This also provides greater flexibility when responding to customer requests.

### Opening restrictor

Open windows as and when you need to.

The TITAN opening restrictor limits the opening width of the sash to a maximum of 89 mm when turning open and does not require any additional locking mechanisms on the sash.

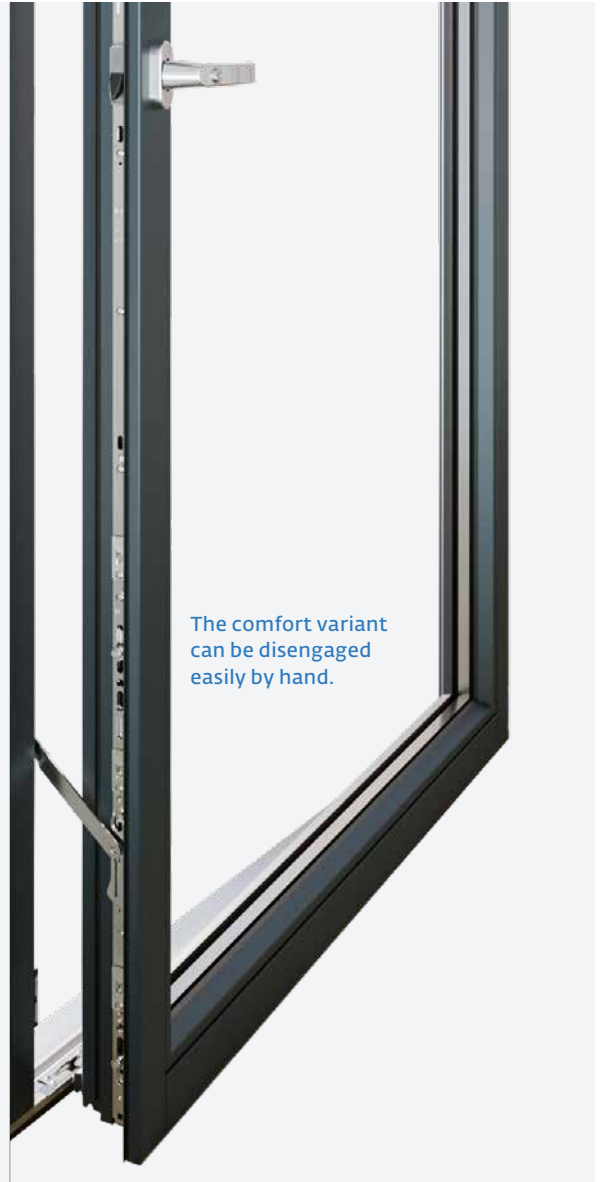
#### Safety variant

- The restrictor can be disengaged using a two-stage lockable handle
- Self-locking in the GLOBE variant
- Satisfies specific safety requirements in accordance with EN 13126-5
- Restrictors automatically engage again when the window is turned back to the locking position
- Two restrictors per sash

#### Comfort variant

- Quick and easy to disengage the restrictor by hand
- For applications without any special safety requirements
- The restrictor engages again automatically after the sash is closed
- One restrictor per sash

The comfort variant can be disengaged easily by hand.



- Two different functions to cover any safety requirements
- Discreet appearance thanks to concealed integration

#### Production benefits

- No need for additional locking mechanisms on the sash
- No additional lock required
- No additional holes or milling required on the sash side

# Accessories

## TITAN vent secure

Secure night vent for turn-and-tilt windows.

With TITAN vent secure, it is still possible to let fresh air in through a secure small opening, even when you're not home. This is because the 10 mm tilt gap position comes with tested burglar resistance up to RC2.



- Tilt vent opening of 10 mm
- Certified burglar resistance up to RC2 in the locking position and tilt gap position
- Ventilation regardless of weather conditions, with anti-slam device and excellent watertightness
- Intuitive operation with the familiar turn-and-tilt switching sequence
- Easy to retrofit
- Suitable for PVC, timber and timber-aluminium profiles

### Production benefits

- Implemented using special frame parts only
- No additional parts required: sash produced "in-line"
- Easy to install and minimal adjustment work required

## Comfort stay

Tilt open without wobbling.

Mechanically assisted closing makes tilting and closing large, heavy sashes easy and safe thanks to a stored-energy function. This consistently prevents the sash from wobbling or coming to a hard stop.



- No more wobbling when tilting open
- Effortless tilt closure of large and heavy elements thanks to the stored-energy function
- Protects bearing points

### Production benefits

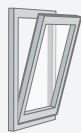
- Minimal logistics due to fewer components
- Quick and easy assembly
- Easy to retrofit in existing windows without dirt or contamination – smart opportunities for additional business
- Installation similar to additional stay



### Energy-saving stay

Reduced energy costs thanks to adjustable tilt width.

The adjustable tilt width of the sash allows the incoming air to be adjusted according to the outdoor climate.



- Summer-vent feature: normal tilt position
- Winter-vent feature: approx. 40 mm tilt position
- Activated in one easy step
- Integrated anti-slam device
- Easy to retrofit

#### Production benefits

- Quick and easy to install

### Snapper

Protection against slamming patio doors.

When the patio door is closed, the sash is pulled towards the snapper, which holds it in the locking position.



- Holds patio door in locking position when it closes
- Gentle on materials: prevents sudden opening and closing
- Even in the standard version: exceptionally wear-resistant stop piece with optimised run-in curve and an adjustable latching force
- Comfort version: with a release function in the tilt position, ensuring it can be tilted as smoothly as usual
- Suitable for use with sash rebate heights of between 1,401 and 3,000 mm

#### Production benefits

- Fewer components and less warehouse stock: standard striker plate as a frame part

### Mishandling device

For more functional reliability.

Both the turning and tilt positions are protected with the mishandling device. This ensures fully reliable operation.



- Turning and tilt positions protected by excellent functional reliability and direct action
- Generates extremely high blocking forces
- Reduces freedom of movement in the handle
- Attached to the casing, making it suitable for all gear sizes and window shapes
- Fully functional in areas with a large air gap
- Easy to retrofit

#### Production benefits

- No tools required

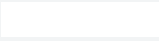
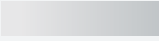
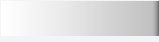
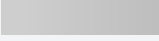



## Handle range

Hands-on design and quality.



## TITAN GLOBE and Si-line

The ALU GLOBE and TITAN Si-line handle ranges combine aesthetics and ergonomics with maximum functionality and ease of use. The portfolio includes everything from standard designs to lockable handles for specific security requirements. A variety of designs and colours are available.

	White
	Silver
	Steel
	Light titanium
	Gold
	Medium bronze
	Brown



TITAN GLOBE  
standard version



Si-line  
standard version

- Easy, convenient handling for locking and unlocking without any play or noise
- Available in seven variants
- Consistently high functional reliability with optimum lock-in position
- Suitable for PVC and timber profiles
- With optional SIEGENIA logo

## TITAN GLOBE versions

### Secustik

- Automatically prevents hardware from being manipulated from outside
- Significantly more difficult to prise the sash open

### Night vent handle

- With 45° lock-in position

### Lockable handle, 40 Nm

- With pressure cylinder: push to lock, use key to unlock
- With optional SIEGENIA logo

### Lockable handle, 100 Nm

- With pressure cylinder: push to lock, use key to unlock
- With optional SIEGENIA logo

### TBT handle

- Use with corresponding TBT (tilt-before-turn) hardware
- 40 Nm, lockable
- Self-locking: re-engages after each operation, meaning that a key must be used each time it is turned open

### Push button handle

- Automatically prevents hardware from being manipulated from outside
- Press the button to unlock
- Handle automatically disabled when locked



**Removable handle with push-on rose**

- Firmly mounted push-on rose
- Handle can be removed and reattached at any time



**Flat handle**

- For installation locations with minimal space for a handle (e.g. on roller shutters)
- Suitable for use with fold-and-slide hardware



**TL/PZ and TL/PZ flat handle**

- For balcony doors and patio doors (French doors)
- Contains handle and PZ rose for inside and outside
- TL/PZ flat for locations where the outside handle would be too high (e.g. with roller shutters or window shutters)



## TITAN silver finish

Lasting functional reliability and a long-lasting beautiful appearance for projects with high requirements.

### TITAN silver

A special climate creates special demands – including, of course, in terms of hardware quality. That's why our TITAN hardware is made from high-quality materials and features high-end surface finishes as standard. This not only provides extremely effective corrosion protection against general environmental influences, but also protection against the stresses of specific climatic and weather conditions. Whether it's in a sheltered urban area or by the coast, having the right TITAN finish ensures minimal wear, lasting functional reliability and a beautiful appearance that lasts.





For example, our TITAN silver finish is able to successfully withstand a salt spray test for over 1,000 hours, even without any special surface treatment, and far surpasses corrosion protection class 5 as defined by DIN EN 1670. This will save you and your customers from some unpleasant surprises and avoids complaints.

We are working in partnership with renowned institutes to develop alternative test methods that will ensure corrosion protection for woods containing chemicals which attack the zinc plating (oak and chestnut, for example). The same applies to the chemical substances used during construction. Our team of experts is working intensively to develop our finishes by driving innovation in surface coatings. This has already resulted in our company's own surface standard, which exceeds the minimum legal requirements with regard to sustainable zinc plating and goes far beyond the standard set by galvanising plants.



Salt spray test with more than 1,000 hours.

Far surpasses the highest corrosion protection class 5 as defined in DIN EN 1670.

**SIEGENIA®**  
brings spaces to life

Head Office:  
Industriestraße 1-3  
57234 Wilnsdorf  
GERMANY

Phone: +49 271 3931-0  
Telefax: +49 271 3931-1333  
info@siegenia.com  
www.siegenia.com



You can find address details for our  
international sites at: [www.siegenia.com](http://www.siegenia.com)

SIEGENIA worldwide:

**Austria** Phone: +43 6225 8301  
**Benelux** Phone: +31 613 143773  
**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

**India** Phone: +91 124 4121647  
**Italy** Phone: +39 02 9353601  
**Poland** Phone: +48 77 4477700  
**Russia** Phone: +7 495 7211762  
**South Korea** Phone: +82 15445369  
**Switzerland** Phone: +41 33 3461010  
**Turkey** Phone: +90 216 5934151  
**Ukraine** Phone: +38 044 4065793

---

Contact your distributor: