

TITAN makes versatility your

strength³

The innovative window hardware system
for timber and PVC.

Window systems

Door systems

Comfort systems

We bring spaces to life.



TITAN opens up perspectives.

Three dimensions and four walls result in a space. But still no living space. Because that is a dynamic construction of many factors and functions: security, comfort, health, aesthetics, sustainability, energy efficiency and much more. But the focus is always on people.

In short: A space is a system and window hardware, therefore, is not just window hardware. It is part of the system that ensures that spaces become alive and people feel comfortable in them. Living spaces.

This kind of thinking in terms of systems has a long tradition at SIEGENIA. Today, we are the leading system provider of room comfort: with window, door and comfort systems. Windows with integrated ventilation technology or their app-based motor-driven control are just two examples of room comfort of the future.

Room comfort is thus no longer the sum of many detailed solutions, but the result of a holistic approach. To convert diverse requirements, expectations and needs into innovative and marketable solutions is what drives us. For example, with our TITAN hardware system.

Whether from the architect's design perspective or from a safety, energy and functional point of view: in any dimension, TITAN is an example of what we understand room comfort to be. In terms of workmanship, assembly and logistics, TITAN also opens up many opportunities to save time and cut costs in the production process.



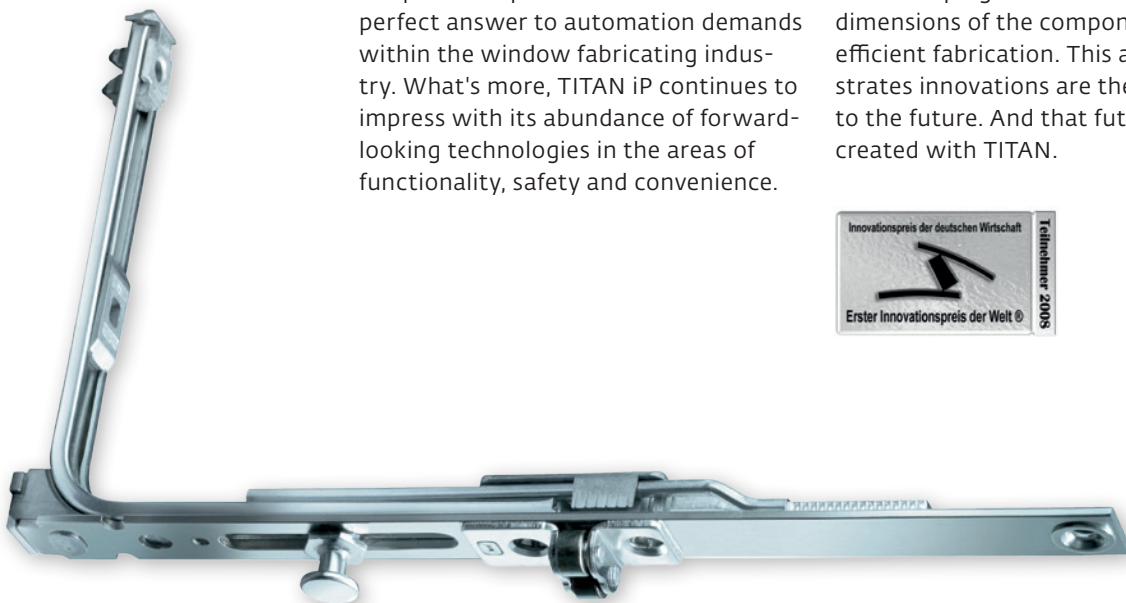
A perfect family.

Efficient and trendsetting.

These are the attributes that best describe our TITAN family. The innovative hardware system continues to impress with its sophisticated aesthetics, high functionality and unparalleled convenience. Thanks to minimal logistics and workflow streamlining, TITAN provides potential for savings that open up clear competitive advantages to you as a fabricator.

The first offshoot in the TITAN family was TITAN iP. Since its introduction in 2004, it has revolutionised the market by facilitating hardware assembly on the pre-weld profile bars. TITAN iP is the perfect answer to automation demands within the window fabricating industry. What's more, TITAN iP continues to impress with its abundance of forward-looking technologies in the areas of functionality, safety and convenience.

The TITAN iP was so innovative that people instantly realised how great it would be to use its advantages without having to stop using traditional production methods. That was the birth of TITAN AF. With the continued expansion of the TITAN family, all the outstanding product benefits and convenience features are now also available for conventional installation techniques: from smooth-running comfort mushroom cams, optimised coupling via the stay hinge coupling with larger tolerances, new frame components for barrier-free thresholds, up to a reliable mishandling device. From optimised stock-keeping to standardised packing dimensions of the components, up to efficient fabrication. This all demonstrates innovations are the window to the future. And that future will be created with TITAN.





TITAN

iP

Improving manufacturing cycle times with individual pre-welded assemblies

Individual distribution of work processes across the entire production

Freely scalable degree of automation up to fully automated production

TITAN

AF

Conventional installation technology

Flexible integration into existing production processes

Minimum re-tooling time and expense

TITAN iP. Innovative hardware system for pre-welded profile assembly.



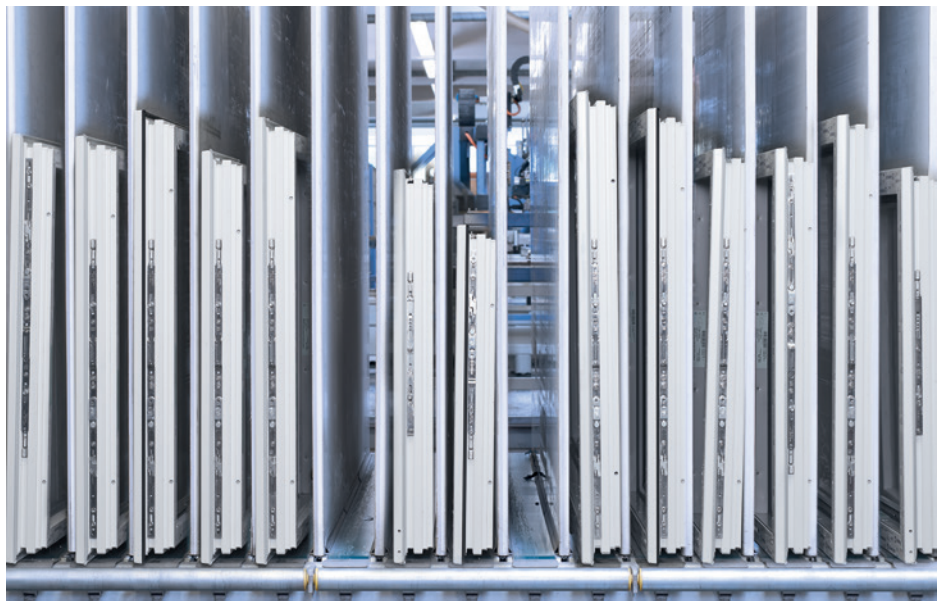
Innovative and revolutionary.

For SIEGENIA, the business success of the window manufacturer is at the heart of everything we do. We designed TITAN iP based on these guidelines; the first hardware system worldwide that facilitates assembly on pre-welded profiles. This revolutionised window production as hardware installation is no longer tied to a fixed work station.

Thanks to a diverse range of assembly concepts, individual hardware components can be installed at any desired location in window production: from the cutting station up to the fitting table. As this means that assembly can be decentralised for the first time ever, optimum use can be made of the idle periods at various other work stations.

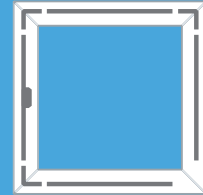
This leads to improved manufacturing cycle times within the workflows and increased productivity, which ultimately results in reduced costs and increased competitiveness. In a nutshell: TITAN iP improves profitability.

With TITAN iP, it is possible to select the hardware components from a range of options: from completely manual to semi-automated, up to fully automated. This means that TITAN iP provides economic benefits for companies of all sizes. Since TITAN iP is not tied to a particular type of machine technology, large investments can be avoided.



**IDEALLY SUITED FOR RATIONALISATION
IN COMPANIES OF ALL SIZES**

TITAN AF. Conventional installation technology.



This is how innovative traditional can be.

TITAN AF enables all manufacturers who want to continue using the conventional hardware assembly to benefit from all the advantages of the TITAN series. These advantages can be seen in the increased convenience for end-users as well as in fabrication and logistics.

The unique comfort mushroom cam automatically compensates for manufacturing-related tolerances, ensures smooth-running locking parts and locks the window with virtually no wear. These qualities guarantee long-term functionality and maximum durability. Even the striker plates are paving the way in terms of aesthetics and functionality.

Assembly is quick and easy due to the innovative click-on coupling feature. What's more, the intelligent system enables all window sizes to be upgraded with only a few additional components – from the basic security level right up to intruder resistance level 2 ('RC2').

Whether you opt for iP or AF, TITAN will also help substantially in keeping your warehouse tidy and creating space for additional rationalisation measures. You can also remove components from the cardboard packaging while they are stacked on top of each other. The labour-intensive return of empties is no longer necessary thanks to the clever disposal system.

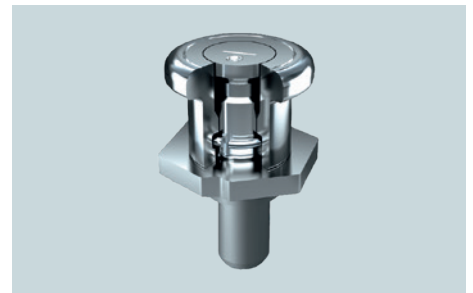


**CONVENTIONAL INSTALLATION TECHNOLOGY WITH
ALL OF THE FAMILIAR INNOVATIVE ADVANTAGES**

“Comfort mushroom” sounds
a bit strange, so just say:
“Yes”.



Minor detail,
major effect.



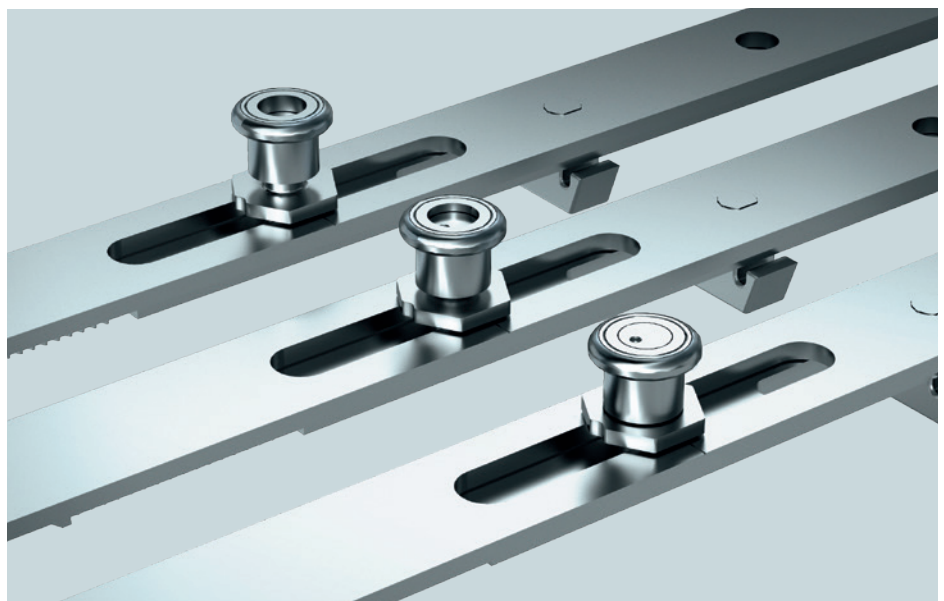
The TITAN comfort mushroom cam demonstrates the fact that huge progress can be made on a small scale, incorporating enormous advantages in a tiny space for manufacturers as well as end-users.

Benefits for fabricators:

- Makes assembly simple and precise with its infinitely variable height adjustment
- Automatically compensates for clearance tolerances, which means it can reduce adjustment work considerably both during production and assembly on site
- Prevents costly and time-consuming complaints
- The compression adjustment of the comfort mushroom also has an effect on the individual adaptation to tolerances
- Also used in the PORTAL and KfV ranges

Benefits for users:

- Ensures smooth and faultless opening, tilting and closing of windows
- Automatic alignment for changing conditions, for example temperature fluctuations
- Guarantees a durable locking system that is optimally adjusted at all times
- Ensures individual adaptation to tolerances



COMFORT MUSHROOM CAM WITH INTEGRATED HEIGHT ADJUSTMENT

System versions: Basic security to RC2.

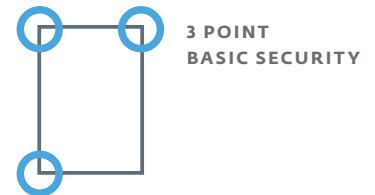
The TITAN family's intelligent system concept opens up new potential in terms of both fabrication and logistics.

Benefits for fabricators:

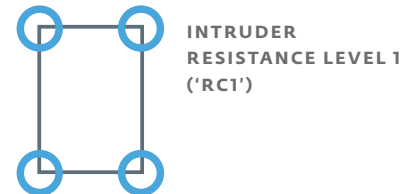
- Effective system design for general use of the comfort mushroom cam as a locking bolt
- Only a few extension components are required to transform a basic security level window into any intruder resistance level 1 ('RC1') or intruder resistance level 2 ('RC2') window; these components no longer need to be cropped
- A minimal number of components ensures lower storage costs
- We also develop solutions beyond intruder resistance level 2 ('RC2') with our customers
- Guarantees RC classes in accordance with DIN EN 1627 ff. by ensuring compliance with the licensing agreements regarding the relevant hardware configurations and installation specifications via our system security manuals for timber and PVC windows



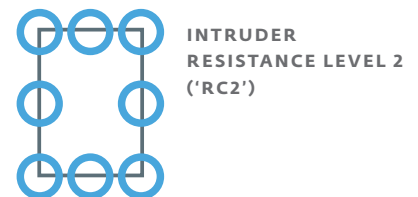
1 POINT
BASIC SECURITY



3 POINT
BASIC SECURITY



INTRUDER
RESISTANCE LEVEL 1
(‘RC1’)



INTRUDER
RESISTANCE LEVEL 2
(‘RC2’)

Fast assembly and simply installation.

CLAMPING OF HARDWARE COMPONENTS

Whether TITAN iP or TITAN AF – the whole family can be screwed together automatically.

Benefits for fabricators:

- Secure clamping of all hardware elements
- Ideal for manual, semi and fully-automated assembly
- Efficient assembly
- Permanently secured positioning of hardware components
- Screw guide hole extends down as far as the groove base
- Clamping with improved tolerances

CLICK-ON COUPLING FEATURE

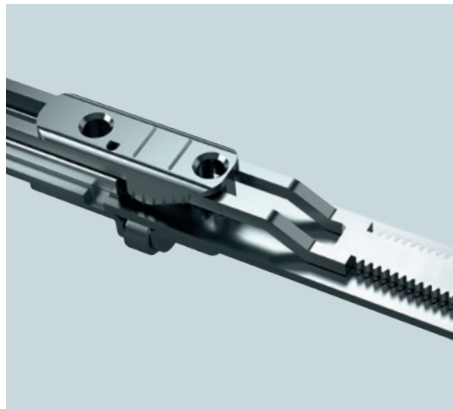
As the components are generally linked, only one screw per coupling point is used. In conjunction with the optimised screw guide claws, precision coupling teeth and joint chamfers, the coupling point offers the following benefits:

Benefits for fabricators:

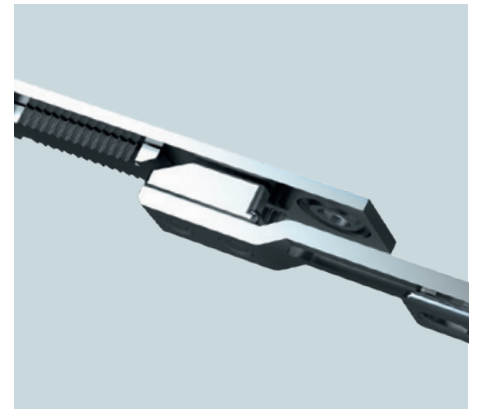
- Straightforward and secure connection of the components
- Reduced installation and assembly time
- Intruder resistance level 1 ('RC1') and intruder resistance level 2 ('RC2') versions without additional cropping procedures

Benefits for users:

- Easy to retrofit



CLAMPING OF ALL HARDWARE COMPONENTS



CLICK-ON COUPLING FEATURE

Security striker plates

The TITAN family sets new trends in terms of safety and low wear and tear with its new generation of frame parts that is optimally tailored to suit the comfort mushroom cams.

Benefits for fabricators:

- Low number of components thanks to non-handed standard and security striker plates
- Also ideal for fully automated frame component assembly on pre-welded profiles
- Efficient upgrading up to intruder resistance level 2 ('RC2') with simple jig technology and uniform striker plate positions; also on dummy-mullion windows
- Logoclip with individual customer logo possible

Benefits for users:

- High-tensile material combination of PVC and steel that guarantees unrivalled low wear and tear
- Attractive appearance of standard and security striker plates

Tilt lock bearing 56 S-RS

Frame part suitable for VSU/K 56+ corner drives with a combination of comfort mushroom cam and tilting pin.

Benefits for fabricators:

- Non-handed
- Effective manufacturing processes due to optional tilt lock bearing with identical component lengths and screw positions, such as standard striker plates
- Can easily be used with pole connectors due to short component length
- Integrated mishandling device and run-up plate for sash lift roller on the corner drive possible
- Logoclip with individual customer logo possible

Benefits for users:

- High level of intruder protection
- Convenient to operate due to sash lift roller
- Smooth running operation due to combination with comfort mushroom cam
- Extremely low wear
- Uniform appearance with remaining frame parts due to the same component length (56 mm)

Tilt lock bearing S-ES FH

Frame part for VSU S-ES corner drives with mushroom head locking cam and sash lift roller (inliner).

Benefits for fabricators:

- Can be used from basic security up to higher classes
- Non-handed due to a PVC run-up on both sides for the inliner sash lifter which results in a reduced number of components
- Many years of experience since it is already used in FAVORIT

Benefits for users:

- Proven burglary resistance by combining S-ES-pins with S-ES FH tilt lock bearing
- Solid steel upper part
- Harmonious color schemes of the PVC packer with grey seals

FRAME PARTS



SECURITY STRIKER PLATE S-RS AND SECURITY STRIKER PLATE S 56



TILT LOCK BEARING 56 S-RS



TILT LOCK BEARING S-ES FH

TITAN KF surface-mounted hinge side

The appeal of the surface-mounted TITAN hinge side for PVC windows lies in its unique design, high levels of security and numerous advantages in the fabrication process.

Benefits for fabricators:

- Flush with the rebate overlap on the top and bottom
- Applicable up to 100 kg or 130 kg with identical frame clearance
- Optional notch corner hinge with pressure adjustment
- Can be hinged in every opening position thanks to the polygon-shaped top hinge pin
- Integrated turn resistance by means of polygon-shaped pin
- Sealing chamfer and beading in the stay hinge
- Fixings in-line
- Can be prepared prior to welding

Benefits for users:

- Excellent, slimline design
- All screws are concealed by the hinges
- Cover caps and coated versions available
- Equipped with PVC bearings for low wear
- Entry protection in tilt position

TITAN KF surface-mounted hinge side stay hinge

The stay hinge is installed by simply snapping it into the stay arm. The stay hinge is a non-handed component and can be turned for right or left operation.

Benefits for fabricators:

- No tools required
- Convenient stay hinge coupling ensures efficient, timesaving installation
- Reduced logistics and minimal stock-keeping thanks to non-handed, compact components

Benefits for users:

- Permanently secure connection
- Integrated turn resistance prevents the sash from closing while in the turning position, e.g. in the event of a draught

HINGE SIDES



TITAN KF HINGE SIDE



TITAN KF HINGE SIDE STAY HINGE

TITAN timber surface-mounted hinge side

In addition to its attractive design and high levels of security, the TITAN surface-mounted hinge side for timber windows also offers advantages in the fabrication process.

Benefits for fabricators:

- Applicable up to 150 kg with identical frame clearance
- Can be hinged in every opening position thanks to the polygon-shaped top hinge pin
- Integrated turn resistance by means of polygon-shaped pin
- 30 mm diameter double rebate cutout in timber systems for reducing the thermal bridge
- Fixings in-line
- Can be prepared prior to jointing

Benefits for users:

- Excellent, slimline design
- Flush with the rebate overlap on the top and bottom
- All screws are concealed by the hinges
- Cover caps and coated versions available
- Equipped with PVC bearings for low wear
- Entry protection in tilt position

TITAN heavy duty surface-mounted hinge side

The TITAN heavy duty surface-mounted hinge side allows heavy sashes to be moved with ease. Its notable features include a high level of security – even with heavy window elements – and an elegant design.

Benefits for fabricators:

- Wear-resistant thanks to an optimal combination of steel and die cast metal along with a special surface treatment
- Simple installation of the sash thanks to a bottom hinge pin with turn resistance
- Insertion of the top hinge pin possible in every sash position
- Easy height and lateral adjustment, even for heavy sashes

Benefits for users:

- Smooth opening for turn-and-tilt sashes up to 200 kg and turn sashes up to 300 kg

HINGE SIDES



TITAN TIMBER HINGE SIDE
REBATE CORNER HINGE



TITAN heavy duty HINGE SIDE
BOTTOM HINGE

TITAN axxent 24+ concealed hinge side

With its unobtrusive, high-quality appearance, this new concealed TITAN axxent 24+ hinge side is further evidence that invisibility is now the symbol of quality and style.

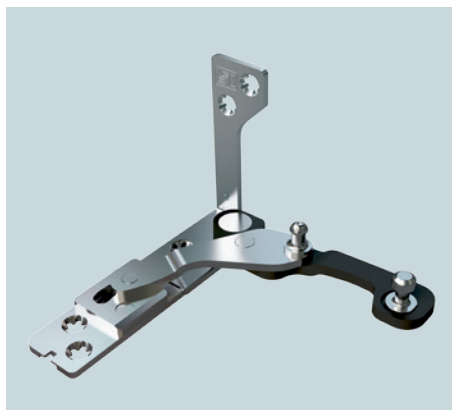
Benefits for fabricators:

- For timber and timber-aluminium profiles with at least 24 mm rebate width, as well as for PVC profiles and aluminium systems with a 16 mm eurogroove
- High load-bearing capacity up to 150 kg without additional parts, meaning even large elements can be used
- Compact design ideal for windows with small dimensions
- A high degree of pre-assembly ensures quick fabrication time and lean warehousing
- Low storage costs due to a low number of models
- Infinitely variable pressure adjustment on upper and lower pivot for optimal sealing
- Sash is easy to fit in the slightly opened or tilt position
- Easily accessible 3D adjustment

Benefits for users:

- Completely concealed pivots for a clean and beautiful look
- Particularly wear-resistant and durable
- Continuous seal for more tightness and increased thermal insulation
- Optimally accessible adjustment options for easy readjustment of the sash for consistent ease of use throughout a window's lifetime
- Bottom hinge is kept clean thanks to an attractive cover cap

HINGE SIDES



TITAN axxent 24+ HINGE SIDE
BOTTOM HINGE

TITAN axxent 24+ HINGE SIDE UPPER PIVOT

Sash lifter

The sash lifter cushions the sash and allows it to slide smoothly into the frame. It not only represents ease of use, but also supports long-term operational reliability. Two different versions are available:

SASH LIFT ROLLER (INLINER)

Benefits for fabricators:

- Can also be used on secondary sashes
- Can be integrated into all conceivable windows, for example round arch or pitched windows
- An additional blind frame part is not necessary since the run-up is integrated in the inserted tilt lock bearing

Benefits for users:

- Guarantees easy closing even after years of use
- Allows the sash to enter the frame softly
- Bottom mounting also guarantees the effect in tilt position

SASH LIFTER WITH HANDLE

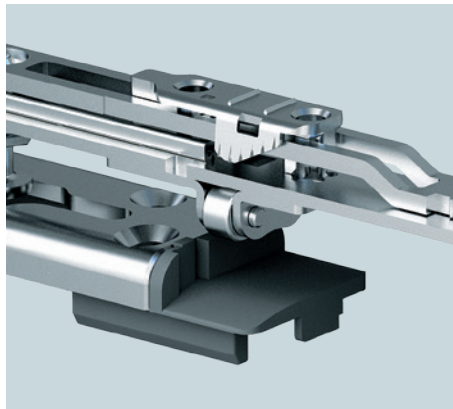
Benefits for fabricators:

- Adjustable; its lifting capacity can therefore be optimally adapted to the window conditions

Benefits for users:

- Very gently lifts the sash from the turning position when closing
- Easy to retrofit

SASH COMPONENTS



SASH LIFT ROLLER (INLINER)



SASH LIFTER WITH HANDLE

Mishandling device

Prevent sash mishandling once and for all with the mishandling device versions for all window sizes and shapes.

Benefits for fabricators:

- No tools required
- Total functionality in a large air gap section

Benefits for users:

- High level of functional reliability
- Supports tilt and turn position
- Immediate effect
- Also suitable for retrofitting in windows already installed in buildings

Stay

Whether for windows or French doors, the stay makes closing and tilting easier and more convenient than ever.

Benefits for fabricators:

- Smaller stay thickness means improved tolerances
- Large tilt stay lead-in for smooth and effortless closing even with very wide sashes

Benefits for users:

- Soft gliding into tilt position due to friction bushing
- Integrated anti-slam device in tilt position, which also cushions tilt operation
- Shift interlock in tilt position prevents mishandling of sash
- High load-bearing capacity with minimum wear and improved ease of use thanks to built-in PVC sliders as standard

SASH COMPONENTS



MISHANDLING DEVICE



STAY

Secondary sash gear

The secondary sash gear sets standards in safety and convenience.

Benefits for fabricators:

- The same operating direction on both the primary and secondary sash ensures identical grid dimensions and striker plate positions
- Handle for secondary sash premounted
- Welded striker plates with integrated blocking plate

Benefits for users:

- Integrated blocking plates on the secondary sash gears prevent intruders from opening the rebate lever; this is incorporated as standard
- Attractive, functional and attachable handle extension guarantees effortless operation and excellent ease of use – even with large sashes and a high level of intruder protection

Secondary sash gear 16/7

The 16/7 secondary sash gear sets new standards for timber secondary sash windows.

Benefits for fabricators:

- Can also be achieved even with narrow frame widths
- Compared to conventional solutions, the 7 mm eurogroove is only half as deep and is therefore unique
- The small eurogroove greatly reduces the amount of material that needs to be cut away, saving considerable time and money during production
- Welded striker plates with integrated blocking plate

Benefits for users:

- Larger glass surfaces can be used, creating greater light incidence and more ambiance
- Closing the primary sash automatically locks the secondary sash in place to prevent intruders from manipulating the hardware from the outside again
- Intruder resistance up to RC2
- Smooth opening and closing with the optional handle extension on the secondary sash

SASH COMPONENTS



SECONDARY SASH GEAR



SECONDARY SASH GEAR 16/7

Multi-functional corner

The multi-functional corner can be used with all sash sizes and formats and permits timely sash lifting. In comparison to other corner drives, it features the following functions:

- Tilt lock
- Locking part
- Sash lifter
- Mishandling device

Benefits for fabricators:

- Can be used with all window sizes
- Lower storage costs, as several functions can be performed with just one component

Benefits for users:

- Ensures smooth and faultless opening, tilting and closing of windows
- Guarantees a durable locking system that is optimally adjusted at all times
- Cushions the sash and allows it to slide smoothly into the frame
- Supports tilt and turn position

Snapper

When closing a French door, the sash is pulled towards the snapper, which holds it in the closed position.

Benefits for fabricators:

- The standard striker plate is used as the snapper frame component, ideal for reducing assembly time and stock-keeping

Benefits for users:

- Prevents sudden opening and closing, while also protecting the door
- The standard snapper has a stop piece with a particularly low wear rate and an adjustable latching force
- The comfort version is equipped with a release function in the tilt position, ensuring it can be tilted as smoothly as usual

SASH COMPONENTS – ACCESSORIES



MULTI-FUNCTIONAL CORNER



SNAPPER

Sash brake

The sash brake limits the rotary opening of the window sash and acts as a firm brake against any independent or inadvertent opening and closing of the window sash.

Benefits for users:

- Individually adjustable opening width: locks the sash in the desired position
- Holds the window sash in the open position even in strong draughts, for example, when airing the room
- High level of functional reliability from overload protection
- Fully concealed
- Easy to retrofit

TITAN additional comfort stay

This new comfort element is a mechanical closure support that makes it easier to close the window, particularly in the case of heavy sashes and French doors.

Benefits for fabricators:

- Compatible with TITAN AF and TITAN iP
- Minimal installation work
- Simple to install
- Small number of components, therefore minimal logistics

Benefits for users:

- Makes operating large and heavy sashes easier
- Reduces the amount of effort required to close the sash from the tilt position due to integrated cushioning
- No rocking of the window sash when opened into the tilt position
- Protection of the bearing positions

ACCESSORIES



SASH BRAKE



TITAN ADDITIONAL COMFORT STAY

Summer and winter ventilation mode

We don't skimp on detail, so your customers can save energy. For example: the summer/winter ventilation mode thanks to the energy saving stay. The small tilt opening-depth of the sash ensures a reduction of energy costs when in the winter ventilation mode. Retrofitting this on windows already installed in buildings and equipped with SIEGENIA window hardware does not involve much time or expense.

Benefits for users:

- Summer vent feature for the standard tilt position
- Winter vent feature approx. 40 mm tilt position
- Activation of winter vent feature in one easy step without any tools
- Easy retrofitting
- Integrated anti-slam device

TITAN vent secure night vent

The new night vent enables the exchange of air to create a healthy indoor environment and ensures that the building is protected both from intruders and driving rain.

Benefits for fabricators:

- Implemented using special frame parts, no additional parts required

Benefits for users:

- Optional burglar resistance up to RC3 in the locked position and RC2 in the ventilation position enables secure ventilation even when you are not there
- Ventilation whatever the weather thanks to high resistance to driving rain
- Guarantees continuous basic ventilation and ensures a healthy indoor environment
- Minimises the risk of mould forming
- Appearance of the window remains unchanged, as there are no visible, unsightly components
- Intuitive manual operation with established turn-and-tilt operating sequence
- Retrofitting possible

ACCESSORIES



ENERGY SAVING STAY



TITAN vent secure NIGHT VENT

Our TITAN GLOBE and Si-line handle lines: Designed to perfection.

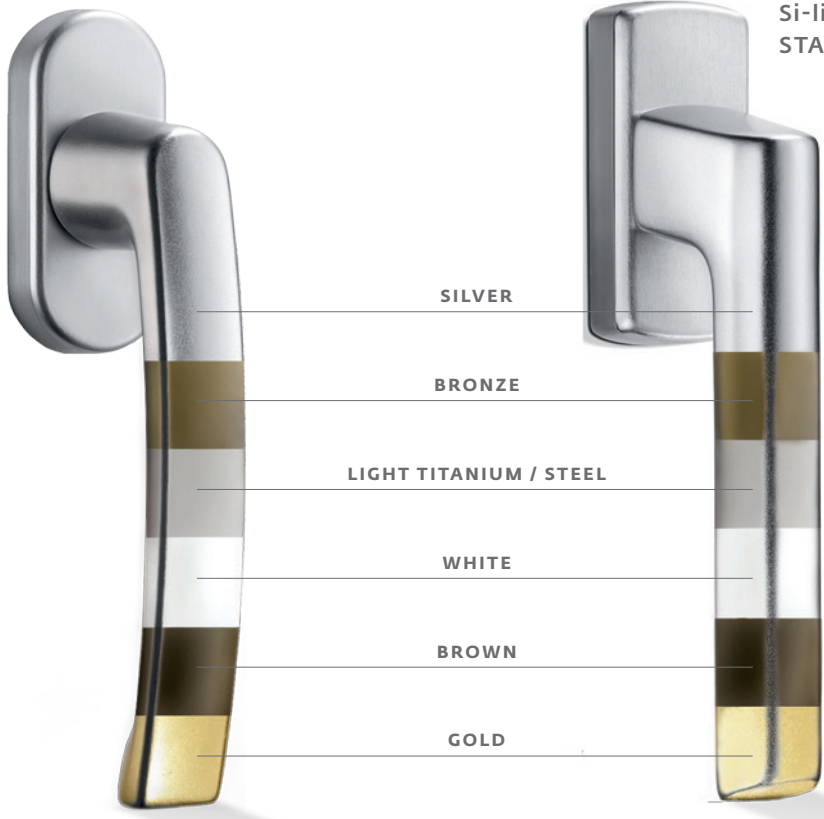
We have a handle on quality – this is characteristic of the TITAN GLOBE and Si-line handle series. This quality results from the ideal combination of aesthetics, ergonomics, functionality and material.

Furthermore, our handle line convinces with maximum functional safety and an optional choice of colours.

- Benefits for users:**
- Innovative, ergonomic design
 - Comfortable and easy handling
 - Available in various colors for all the demands of modern architecture
 - Ensures a continuous and optimal lock-in position
 - Suitable for timber and PVC windows
 - High degree of security against unwanted guests due to the Secustik and pressure key versions and the lockable handles
 - TBT handle prevents unauthorised rotary opening (no turning position without key)
 - Night vent with additional 45° lock-in position possible

TITAN GLOBE
STANDARD DESIGN

Si-line
STANDARD DESIGN



Overview TITAN GLOBE handle.

STANDARD

- Available in all colours
- With optional SIEGENIA logo

SECUSTIK*

- Automatically prevents hardware manipulation from outside
- Intruders can no longer force the window open

NIGHT VENT HANDLE*

- With 45° lock-in position
- Available as standard version

PUSH BUTTON HANDLE

- Automatically prevents hardware manipulation from outside
- Press button to unlock. When locking, the handle blocks automatically

40 Nm, LOCKABLE

- Affordable version for 100 Nm
- With pressure cylinder (push to close, key release)
- With optional SIEGENIA logo

100 Nm, LOCKABLE

- With optional Secustik function
- With pressure cylinder (push to close, key release)
- Tested in accordance with DIN EN 1627-1630

TBT HANDLE**

- Use with corresponding TBT (tilt before turn) hardware
- 40 Nm, lockable
- To reach the turning position, you must use the key separately (increased protection against unauthorised rotary opening)

REMOVABLE HANDLE WITH PUSH-ON ROSE

- Rose is securely mounted, can be pushed open; handle is removed and can be mounted at any time (e.g. for cleaning)

FLAT HANDLE

- For locations where little space is available for the handle, e.g. with roller shutters
- Also for use with fold & sliding hardware

TL/PZ AND TL/PZ FLAT

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



**PRESSURE
KEY**

LOCKABLE

**REMOVABLE WITH
PUSH-ON ROSE**

FLAT

TL/PZ

* Handle is visually the same as the standard version

** Handle is visually the same as the lockable version

Whenever you need us:
We're here for you.



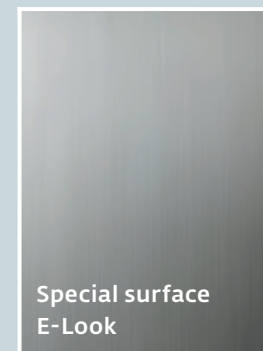
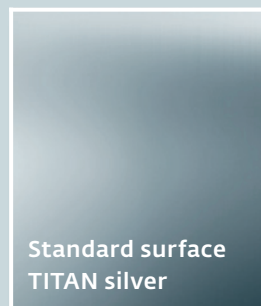
Our surfaces: Durable and high quality.

Durable surfaces.

A special climate creates special demands – and, of course, also regarding hardware quality as well. That's why our TITAN hardware are made from high quality materials and have first-class surfaces. Depending on the type and location, these not only offer an extremely effective corrosion protection against general environmental influences, but also protection against the stresses of extreme climate and weather conditions.

Whether it be in a wind protected urban area or close to the coast: A perfectly matched TITAN surface ensures minimal wear, lasting functional reliability and a long lasting beautiful appearance. This will save you and your customers from some nasty surprises and complaints.

The SIEGENIA TITAN surfaces.
Ideal for demanding projects.



PROFILE MATERIAL	Timber, PVC	Timber, PVC
CORROSION PROTECTION AGAINST GENERAL ENVIRONMENTAL INFLUENCES (DIN 1670)	Highest class 5 > 480 h salt spray test	Highest class 5 > 1,500 h salt spray test
CAN BE USED NEAR THE COAST		■
PROTECTION DESPITE SURFACE DAMAGE	■	■
MATERIAL	Steel, zinc plated and sealed	Steel with zinc-nickel coating
APPEARANCE	Silvery shine	Stainless steel, grey matted
SPECIAL CHARACTERISTICS	One of the best and most durable standard surfaces on the market	Over 15 years tried and tested over the long term at coastal locations across the world

If there was an innovation award for window hardware, TITAN would win gold.



Crystal-clear criteria for window hardware.

The QM 328 certification programme, developed by the Rosenheim Institute for Window Technology (ift) is currently the most stringent test by far for turn-only and turn-and-tilt hardware. Apart from the durability test for hardware with 25,000 turn cycles, the hardware is also subjected to other tests, e.g. with additional loads or against a rebate obstruction.

In addition, within the framework of its certification programme, the Rosenheim Institute requires a comprehensive quality audit of the hardware manufacturer, continuous self-monitoring by means of a predefined Factory Production Control (FPC) as well as regular external monitoring by an independent test laboratory.

ift Q-Cert for SIEGENIA.

In order to receive the certification, we had all frame materials tested in the test series prescribed by the ift – to great success.

This not only ensures consistently high product quality for our customers, but also the interchangeability of the hardware tested, as specified in the certification regulations. This leads to substantial time savings and offers window manufacturers faster and more cost-effective conversion to innovative new developments.

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THE SEAL OF APPROVAL ISSUED BY THE ROSENHEIM INSTITUTE FOR WINDOW TECHNOLOGY (IFT) GUARANTEES THAT THE QUALITY OF THE TESTED HARDWARE IS CONSISTENTLY HIGH.



ZERTIFIZIERT



Simply better in business:
ADVANCE.



Customized services for your Management, Sales and Engineering departments.

Am I wasting time in production?

Am I using my full sales potential?

Asking uncomfortable questions will make your company successful in the long run. Because once you find the right answers, you will expand your competitive advantage even more.

Easier said than done? Not with our Business Support ADVANCE, custom-tailored services and consulting services for small and large businesses.

Our ADVANCE program supports you in key management, sales and technology matters. With this in mind, we have brought together our know-how in service packages. Their topic-based structure lets you call them up separately but also combine them as you wish.

This makes ADVANCE perfectly suited to the challenges of your industry. It helps your company to use high-quality products more efficiently and provides opportunities to stand out from the competition.

ADVANCE Management



Our training and consulting packages increase, thanks to clearly structured processes and effective lean methods, your efficiency and thus improve the chances of your success.

- Vulnerability analysis in the entire process chain
- Production optimisation for shorter throughput times
- Smooth product changeover and customised data technology
- Greater investment security and professional order processing
- Development of planning and control systems

ADVANCE Marketing | Sales



We will sharpen your sales arguments and support you with in-house fairs and exhibitions to assist you in the successful retention and acquisition of customers.

- Training on the targeted implementation of product advantages during sales pitches
- Opportunities for a more comprehensive customer dialogue and enhanced consulting service
- Powerful sales support regarding the added value of your products
- Greater sales opportunities and time savings from our SIEGENIA manuals on system security

ADVANCE Technology



ADVANCE not only offers advanced testing and certification consulting but a broad qualification program for your employees as well.

- Window tests for various requirements
- SIEGENIA test certificates for key selling points: safety, tightness and sound insulation
- Consulting and training courses on laws, standards and technology
- More revenue from new areas of business and additional business
- More efficient spare part/repair service

AERO is the solution
for the right ventilation.



A healthy indoor climate and increased sense of well-being.

A well controlled, healthy indoor environment performs several tasks simultaneously: It doesn't just support our well-being and performance levels, it also provides lasting protection to the building structure from humidity and mould.

Our clever AEROMAT midi and AEROMAT midi HY passive ventilators ensure a controlled and continuous supply of fresh air when the window is closed and can be easily installed in timber, PVC and aluminium windows so that they are almost invisible.

AEROMAT midi

Benefits for fabricators:

- The small size of the weather grille permits use with a wide range of roller shutters

Benefits for users:

- Passive window ventilator with a double locking mechanism
- Volumetric flow limiter
- Insect screen integrated into weather grille
- Concealed fixing screws ensure attractive appearance
- Fan can be dismantled without tools to allow for easy cleaning

AEROMAT midi HY

Benefits for fabricators:

- Easy integration into production processes
- For horizontal installation in timber, PVC or aluminium windows
- Suitable for renovations and new build

Benefits for users:

- Passive window ventilator with humidity control for demand-based minimum ventilation
- Air intake regulation based on the relative humidity as per DIN 1946-6
- Modern and discreet look due to its rounded shape and narrow weather grille
- Easy to clean ventilator



AEROMAT midi



AEROMAT midi HY

SIEGENIA®
brings spaces to life

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