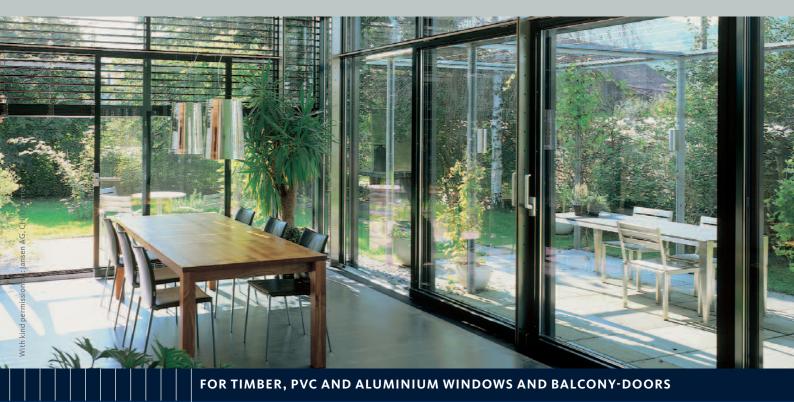


WINDOW TECHNOLOGY GIU WINDOW TECHNOLOGY DOOR TECHNOLOGY AUTOMATIC ENTRANCE SYSTEMS **BUILDING MANAGEMENT SYSTEMS**



Tilt&Slide hardware





Individual system solutions to meet the highest quality expectations

The Gretsch-Unitas range of Tilt&Slide hardware

GU



Tradition obliges - setting the highest design and quality standards

Gretsch-Unitas Group

Innovation

The Gretsch-Unitas Group offers solutions for using Tilt&Slide hardware in all standard timber, PVC or aluminium window profiles. The most exacting quality expectations are met through systematic further developments and innovations.

Tilt&Slide hardware has been part of the product range as standard for decades at the Gretsch-Unitas Group. Technical innovations, such as the GU-966/100 oZ bb

Tilt&Slide hardware system which can be used for barrierfree dwelling concepts to DIN 18025, have shaped the market.

Tilt&Slide hardware

Tilt&Slide hardware is a hardware system that can completely satisfy the individual requirements of end users in relation to comfort, safety and functionality. Barrier-free dwellings to DIN 18025 are also possible with Tilt&Slide hardware from the GU Group.

System solutions for individual requirements

In accordance with our policy 'The systematic competitive edge', we ensure that an individual, sustainable and marketconform hardware solution can be provided in the form of a complete CE-certified system for each profile system. In its capacity as system supplier for timber elements, Gretsch-Unitas is in a position to pursue independent paths and meet all market requirements.

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The Gretsch-Unitas range of Tilt&Slide hardware

Convenient operation and functionality

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Fundamental characteristics and benefits of Tilt&Slide hardware systems:

- All central locking systems feature a mishandling device as standard
- All central locking components are equipped with the automatic cam Cleverle which adapts automatically to varying rebate clearances. All settings are made with torx. Installation and maintenance is easier, more practical and logical.
- The resistance classes are determined exclusively by the choice of striker
- All locks in the frame feature Tilt&Turn components as standard
- Units featuring the GU central locking system can generally be equipped with a locking monitoring system and connected to an alarm system
- Outstanding corrosion protection with ferGUard*silber surface sealing. Applied in three harmonised coats, the attractive bright silvery surface has become a tried-and-tested standard for window hardware.
- Outstanding operating convenience and reliable problem-free functionality in all weight classes
- Slides precisely into any required position and engages softly in the tilt position thanks to innovative bogie technology
- Solutions for barrier-free dwellings to DIN 18025
- Can be used with all standard profile materials such as timber, PVC, or aluminium

CE marking for windows and balcony-doors

At our premises we provide

to acquire the prerequisites

information please refer to

your responsible contact.

needed for the CE marking of timber windows and window doors. For more detailed

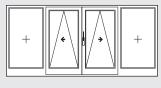
you with the opportunity

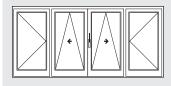
- Operation via aluminium or stainless steel turn handle
- Geared turn handle with anti-lockout device



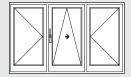














- Pattern K with mullions 2 Tilt&Slide sashes
- 1 fixed glazing Fig. shows LH and RH handle

[1] Patterns A, C and G with Turn-Only sash: UNI-JET Turn-Only hardware with DIRIGENT-F/SG service handle (8-00694-33-0-*) and F cover rosette, inside - flat (6-24913-00-0-*) [2] Pattern D: Turn-Only sash with UNI-JET lever-operated gear



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Pattern A – with mullion 1 Tilt&Slide sash 1 fixed glazing Fig. shows LH handle

Pattern A - with mullion [1] 1 Tilt&Slide sash 1 Turn-Only sash Fig. shows LH handle

Pattern D without mullion [2] 1 Tilt&Slide sash 1 Turn-Only sash Fig. shows LH handle

Pattern C – with mullions 2 Tilt&Slide sashes 2 fixed glazings Fig. shows first opening sash

with LH handle

Pattern C - with mullions [1]

2 Tilt&Slide sashes 2 Turn-Only sashes Fig. shows first opening sash with LH handle

Pattern G – with mullions 1 Tilt&Slide sash

2 fixed glazings Fig. shows LH handle

Pattern G - with mullions [1] 1 Tilt&Slide sash 2 Turn-Only sashes Fig. shows LH handle





You can enter an entirely new dimension when manufacturing terrace elements from standard window profiles using Tilt&Slide hardware. Gretsch-Unitas hardware is fully-fledged from a technical point of view and therefore ensures long-lasting use due to its precise functionality, even with heavy weights.

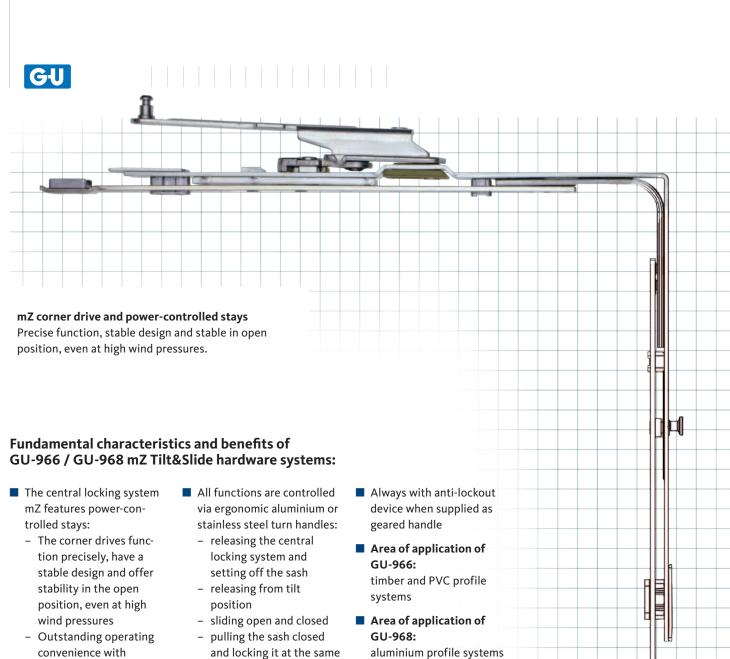
The additional power-control feature of the hardware variants for large and heavy units ensures that the sash is pulled against the gasket evenly at closing and moved back into the slide position at opening.

GU-966/ 200 mZ**	GU-966/ 150 mZ	GU-968/ 200 mZ	GU-968/ 150 mZ	GU-966/ 150 oZ	GU-968/ 150 oZ	GU-966/ 100 oZ bb	GU-90 oZ
Timber, PVC	Timber, PVC	Aluminium	Aluminium	Timber, PVC	Aluminium	Timber, PVC	Timber, PVC, aluminium
up to 200	up to 150	up to 200	up to 150	up to 130	up to 130	up to 100	up to 90
720 – 2000	720 – 1600	720 – 2000	720 - 1600	640 - 1600	600 - 1600	720 – 1600	640 - 1600
820 - 2370	820 – 2370	820 - 2370	820 - 2370	700 – 2350	730 – 2400	700 – 2350	700 – 2350
	200 mZ** Timber, PVC up to 200 720 - 2000	200 mZ** 150 mZ Timber, PVC Timber, PVC up to 200 up to 150 720 - 2000 720 - 1600	200 mZ** 150 mZ 200 mZ Timber, PVC Timber, PVC Aluminium up to 200 up to 150 up to 200 720 - 2000 720 - 1600 720 - 2000	200 mZ** 150 mZ 200 mZ 150 mZ Timber, PVC Timber, PVC Aluminium Aluminium up to 200 up to 150 up to 200 up to 150 720 - 2000 720 - 1600 720 - 2000 720 - 1600	200 mZ** 150 mZ 200 mZ 150 mZ 150 oZ Timber, PVC Timber, PVC Aluminium Aluminium Timber, PVC up to 200 up to 150 up to 200 up to 150 up to 130 720 - 2000 720 - 1600 720 - 2000 720 - 1600 640 - 1600	200 mZ** 150 mZ 200 mZ 150 mZ 150 mZ 150 oZ 150 oZ Timber, PVC Timber, PVC Timber, PVC Aluminium Aluminium Timber, PVC Aluminium Aluminium up to 200 up to 150 up to 200 up to 150 up to 130 up to 130 720 - 2000 720 - 1600 720 - 1600 640 - 1600 600 - 1600	200 mZ** 150 mZ 200 mZ 150 mZ 150 mZ 150 oZ 150 oZ 100 oZ bb Timber, PVC Timber, PVC Timber, PVC Aluminium Aluminium Timber, PVC Timber

* From SRW 1851 – 2000 mm an additional centre stay is required. From SRW 1600 – 2000 mm and for sash weights 180 – 200 kg, the use of tandem bogies is recommended.

Central locking system with power control (mZ)

GU-966 (timber / PVC) and GU-968 (aluminium) - 200 mZ and 150 mZ versions





reliable and straight-

forward function of large and heavy sashes

time

Based on many years of expe-

precision. The bogies glide

smoothly and safely from the tilt position into the slide

position.

aluminium profile systems



Automatic pin Cleverle

The different climatic conditions in the summer and winter frequently lead to changes in the locking cam settings. The Cleverle adapts automatically to the varying rebate clearances. This significantly reduces the effort required to carry out adjustments during manufacturing and when on-site.

The range of mZ handles

For Tilt&Turn units with power control



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Geared turn handle DIRIGENT^[1] lockable – keyed alike

Stainless steel



Geared turn handle RONDO ^[1] lockable – keyed alike

Stainless steel



Geared turn handle FORTE^[1] lockable – keyed alike

Stainless steel



Geared turn handle DIRIGENT ^[1] lockable – keyed alike

Aluminium



DIRIGENT turn handle on both sides with PC hole and lugs

Aluminium



Geared turn handle DIRIGENT^[1]

Aluminium



Turn handle RONDO, inside with PC hole and lugs

Stainless steel



Turn handle DIRIGENT, inside with PC hole and lugs

Stainless steel



Turn handle FORTE, inside with PC hole and lugs

Stainless steel

Note: for additional handle designs, refer to our relevant order catalogues.

^[1] All geared turn handles feature an anti-lockout device as standard.

Central locking system without power control (oZ)

GU-966 (timber / PVC) and GU-968 (aluminium) - version 150 oZ

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- The oZ central locking system is not equipped with power-controlled stays. However, from sash widths of 1200 mm, the stays are connected so as to apply even pressure to the sashes.
- The stable design of the hardware components allows for the faultless functioning of smaller and medium-sized window and balcony-door units with the best running quality.
- All functions are controlled via the turn handle:
 - releasing the central locking system
 - releasing from tilt position
 - sliding open and closed

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locking the sash.

- Area of application of GU-966: timber and PVC profile systems
- Area of application of GU-968: aluminium profile systems

Sound bogie design

Tried-and-tested over decades, straightforward, fast and reliable installation. Also features optimum precision adjustment.



The central locking system

All T&S central locking systems feature the **Cleverle** automatic cam and can be used for all requirements up to resistance class 2. The resistance class is defined exclusively by the striker.



The ferGUard*silver surface coating

All T&S central locking systems have first-class corrosion protection properties thanks to the ferGUard surface sealing. These are applied in state-ofthe-art facilities in three coats which are harmonised with one another.

Central locking system without power control (oZ)

GU-966/100 oZ bb (timber / PVC) - suitable for barrier-free dwellings to DIN 18025



GIJ



Fundamental characteristics and benefits of the GU-966/100 oZ bb Tilt&Slide hardware system:

- Cost-effective, barrier-free solution with high degree of operating convenience: the installation height of the threshold is only 20 mm
- For use in all standard timber and PVC profiles for units with sash weights up to 100 kg (pattern A)
- All central locking components feature the Cleverle automatic cam
- Centre locks with standard Tilt&Turn components
- Enhanced burglar protection with additional security components



Bogie design

Tried-and-tested bogie design and precise function incorporated into an extremely compact installation space provide the barrier-free solution for Tilt&Slide hardware without compromising operating convenience.



Barrier-free living GU-966/100 oZ bb Tilt&Slide hardware, the solution for barrier-free dwellings to DIN 18025.



Central locking system without power control (oZ)

GU-90 oZ (timber / PVC / aluminium)

GU



Fundamental characteristics and benefits of Tilt&Slide hardware system GU-90 oZ:

- For small and light doors with sash weights up to 90 kg
- Identical stays and bogies for timber, PVC, or aluminium units
- Centre locks with standard Tilt&Turn components
- All central locking components feature the Cleverle automatic cam



Gasket pressure control The stays are connected with a

metal rod, so the gasket pressure is distributed evenly over the total sash width.



Smooth engagement

When opened, the sash glides more or less effortlessly into the required position – and smoothly engages in the end position when closed.

The range of oZ handles

For Tilt&Slide units without power control



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DIRIGENT-F | Inner handle (not shown) DIRIGENT-F/Z | Inner handle, lockable

Aluminium



ADAGIO-F | Inner handle (not shown) ADAGIO-F/Z | Inner handle, lockable

Aluminium



MODENA-F | Inner handle (not shown) MODENA-F/Z | Inner handle, lockable





FORTE Inner handle

Stainless steel



CRESCENDO Inner handle Stainless steel



SOPRANO-F | Inner handle (not shown) SOPRANO-F/Z | Inner handle, lockable

Aluminium



ANDANTE Inner handle

Stainless steel



SAN REMO-F | Inner handle (not shown) SAN REMO-F/Z | Inner handle, lockable

Aluminium



OFFICE Inner handle Stainless steel

Note: for more turn handle versions, refer to our corresponding order catalogues.

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WINDOW TECHNOLOGY DOOR TECHNOLOGY AUTOMATIC ENTRANCE SYSTEMS BUILDING MANAGEMENT SYSTEMS

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