



WINDOW TECHNOLOGY
DOOR TECHNOLOGY
AUTOMATIC ENTRANCE SYSTEMS
BUILDING MANAGEMENT SYSTEMS



FOR TIMBER, PVC AND ALUMINIUM WINDOWS AND BALCONY-DOORS

Parallel-Slide hardware – the hardware solution for properties with changing users

Securing technology for you



Security for properties with changing users

Perfected technology for Parallel-Slide doors



Access to terraces and balconies is predominantly through large heavy door elements that are frequently made from standard window profiles. Parallel-Slide and Tilt&Slide hardware is especially suited for this kind of application in the private sector and also particularly in the public sector. Gretsich-Unitas hardware is fully-fledged from a technical point of view and therefore ensures long-lasting use due to its precise functionality, and also satisfies the individual requirements of users in terms of comfort and safety.

Larger passage widths, greater operational safety, greater convenience

Thanks to the innovative combination of newly developed stay bogies with ball bearing supported wheels mounted at the top of the sash and the proven Tilt&Slide bogies installed at the bottom, the sashes slide gently and precisely into their open or closed position. The central locking system which is based on the UNI-JET Tilt&Turn hardware operates independently from the bogies and is controlled centrally with ergonomic aluminium turn handles. The opening or closing sash always moves in parallel with the frame and cannot warp. Hereby, the mechanics of the system itself ensures the appropriate operation and safe use of the door. Damage to the hardware, the element or the structure as a result of improper handling is successfully prevented.

The robust design of the hardware ensures its faultless functioning over many years, even with high sash weights. The newly developed hardware from Gretsich-Unitas allows to install window elements with individual sash widths of up to 2000 mm and sash weights of up to 200 kg.



Top bogie



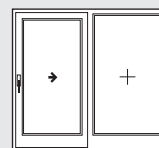
Bottom bogie

For windows and balcony-doors of timber | PVC:

- [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-rosette/inside, flat (6-24913-00-0-*), strikers depending on profile
- [2] Pattern D: Turn-Only sash with UNI-JET lever-operated gear, strikers depending on profile
- [3] Patterns A, G and K with security hardware:
UNI-JET Sec Turn-Only hardware „enhanced basic security“

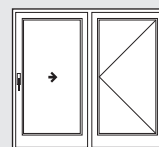
For aluminium windows and balcony-doors:

- [1] Patterns A, C and G with Turn-Only sash:
JET AK8 Turn-Only hardware with DIRIGENT-F/SG service handle (8-00694-33-0-*) and F-rosette/inside, flat (6-24913-00-0-*), strikers depending on profile
- [2] Pattern D: Turn-Only sash dummy mullion gear, strikers depending on profile



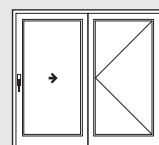
Pattern A – with mullion

- 1 Parallel-Slide door
- 1 fixed glazing
- Handle on left



Pattern A – with mullion^{[1][3]}

- 1 Parallel-Slide door
- 1 Turn-Only sash
- Handle on left



Pattern D – without mullion^[2]

- 1 Parallel-Slide door
- 1 Turn-Only sash
- Handle on left

Benefits provided by the new Parallel-Slide hardware system:

- Newly developed stay-bogies and ball-bearing supported wheels ensure a smooth and noiseless movement of the sashes
- With the use of the tried and tested bogies and profiles from the GU Tilt&Slide hardware systems GU-966/200 (timber/PVC) and GU-968/200 (aluminium), the highest quality requirements are met
- The GU Parallel-Slide hardware enables the manufacture of elements with sash weights up to 200 kg
- The hardware is suitable for sash widths of up to 2000 mm and allows for large passage widths
- The UNI-JET central locking system features a mishandling device as standard
- The ferGUard*silver surface sealing offers durable corrosion protection

Benefits provided by the GU-966/200 oZ Parallel-Slide hardware for timber and PVC elements:

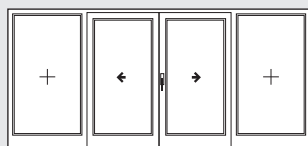
- Central locking system based on Tilt&Turn hardware system for 16 mm hardware groove
- The different climatic conditions in the summer and winter require frequent changes in the locking cam settings. The **Cleverle** adapts automatically to the varying rebate clearances. This significantly reduces the effort required to carry out adjustments during manufacturing and when on-site.
- Turn handles and accessories from the Tilt&Turn hardware range for 16 mm hardware groove

Benefits provided by the GU-968/200 oZ Parallel-Slide hardware for aluminium elements:

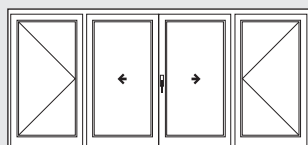
- Central locking system based on Tilt&Turn hardware system for 15/20 mm Euro-groove
- Geared handles and accessories from the Tilt&Turn hardware range for 15/20 mm Euro-groove

Optional:

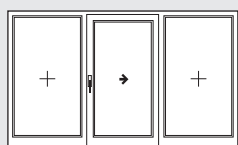
- Central locking system based on Tilt&Turn hardware system for 16 mm hardware groove
- The different climatic conditions in the summer and winter frequently lead to changes in the locking cam settings. The **Cleverle** adapts automatically to the varying rebate clearances. This significantly reduces the effort required to carry out adjustments during manufacturing and when on-site.
- Turn handles and accessories from the Tilt&Turn hardware range for 16 mm hardware groove



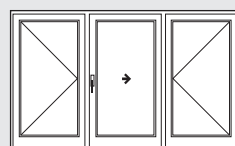
Pattern C – with dummy mullion
2 Parallel-Slide doors
2 fixed glazings
First-opening sash with handle on left



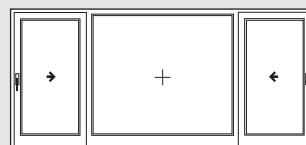
Pattern C – with dummy mullion ^[1]
2 Parallel-Slide doors
2 Turn-Only sashes
First-opening sash with handle on left



Pattern G – with mullion ^[3]
1 Parallel-Slide door
2 fixed glazings
Handle on left



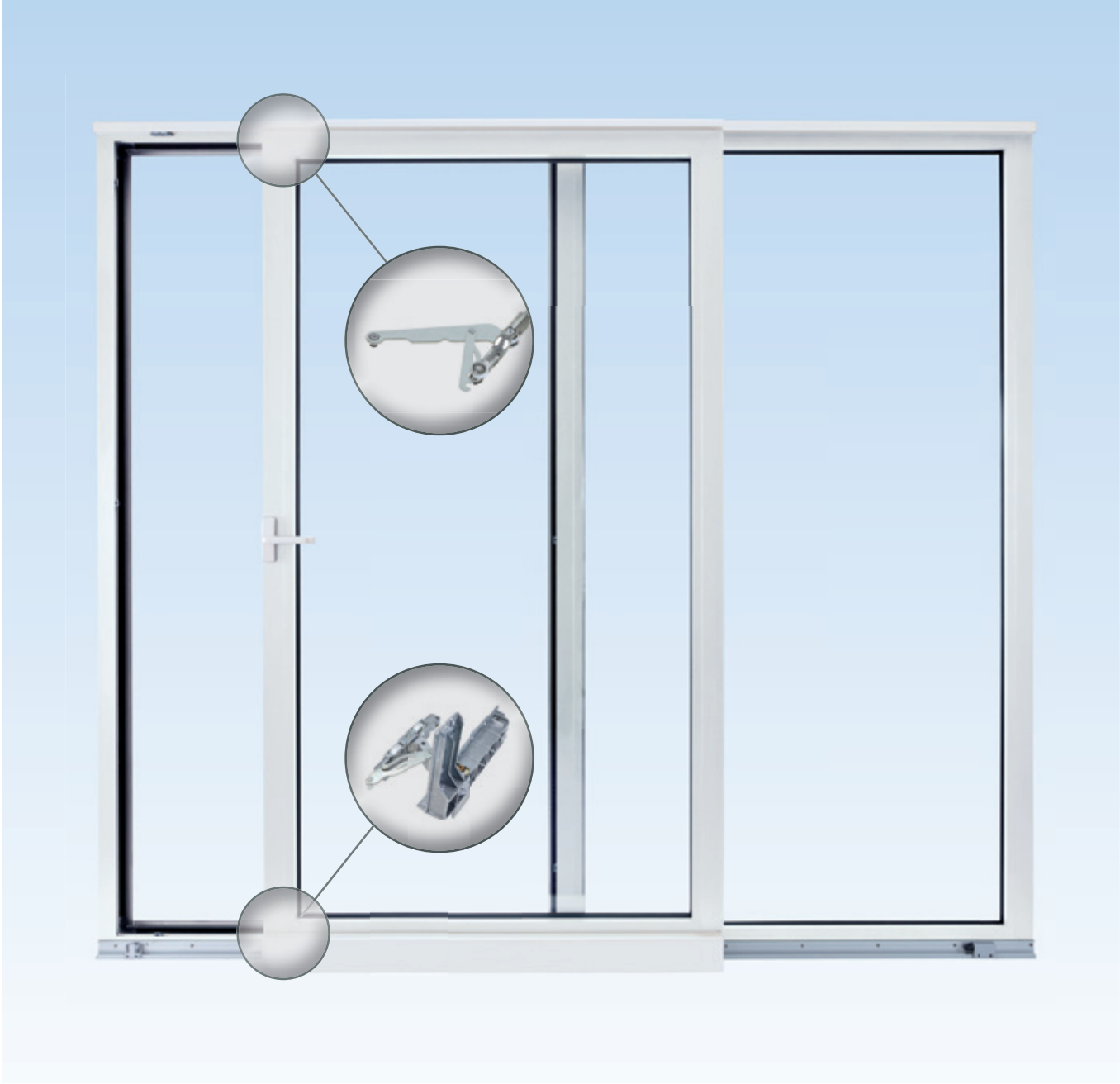
Pattern G – with mullion ^{[1][3]}
1 Parallel-Slide door
2 Turn-Only sashes
Handle on left



Pattern K – with mullion ^[3]
2 Parallel-Slide doors
1 fixed glazing
Handle on left, handle on right

GU-966/200 oZ Parallel-Slide hardware system

The hardware range for timber and PVC windows and balcony-doors



GU-966/200 oZ Parallel-Slide hardware system

Application range	Sash width [mm]	Sash height [mm]	Max. sash weight [kg]
Timber / PVC GU-966/200 oZ	640 – 2000	700 – 2350	130
	1050 – 2000	700 – 2350	131 – 180 ^{[1][2]}
	1050 – 2000	1050 – 2350	181 – 200 ^[3]

[1] From 131 kg with DIRIGENT-HL turn handle. An additional operating element is recommended (e.g. push/pull handle)

[2] From 131 kg with top tandem bogie

[3] From 181 kg with top and bottom tandem bogie



Parallel-Slide bogie, top



Parallel-Slide tandem bogie, top



Central locking system with Cleverle



GU-966/200 bottom bogie

Locking systems

GU-200 oZ Parallel-Slide locking system for 16 mm hardware groove

The GU oZ locking system features one-handle operation and is suitable for sash widths from 640 mm. It is available with 15 mm backset gear for turn handle DIRIGENT or with lockable gear with profile cylinder hole (backset from 25 to 50 mm). All locking parts are designed for 16 mm hardware groove. The cams of the central locking system and of the corner drives are adjustable. The corner drives are equipped with 4-leaf springs of stainless steel.

Bogies, profiles and accessories

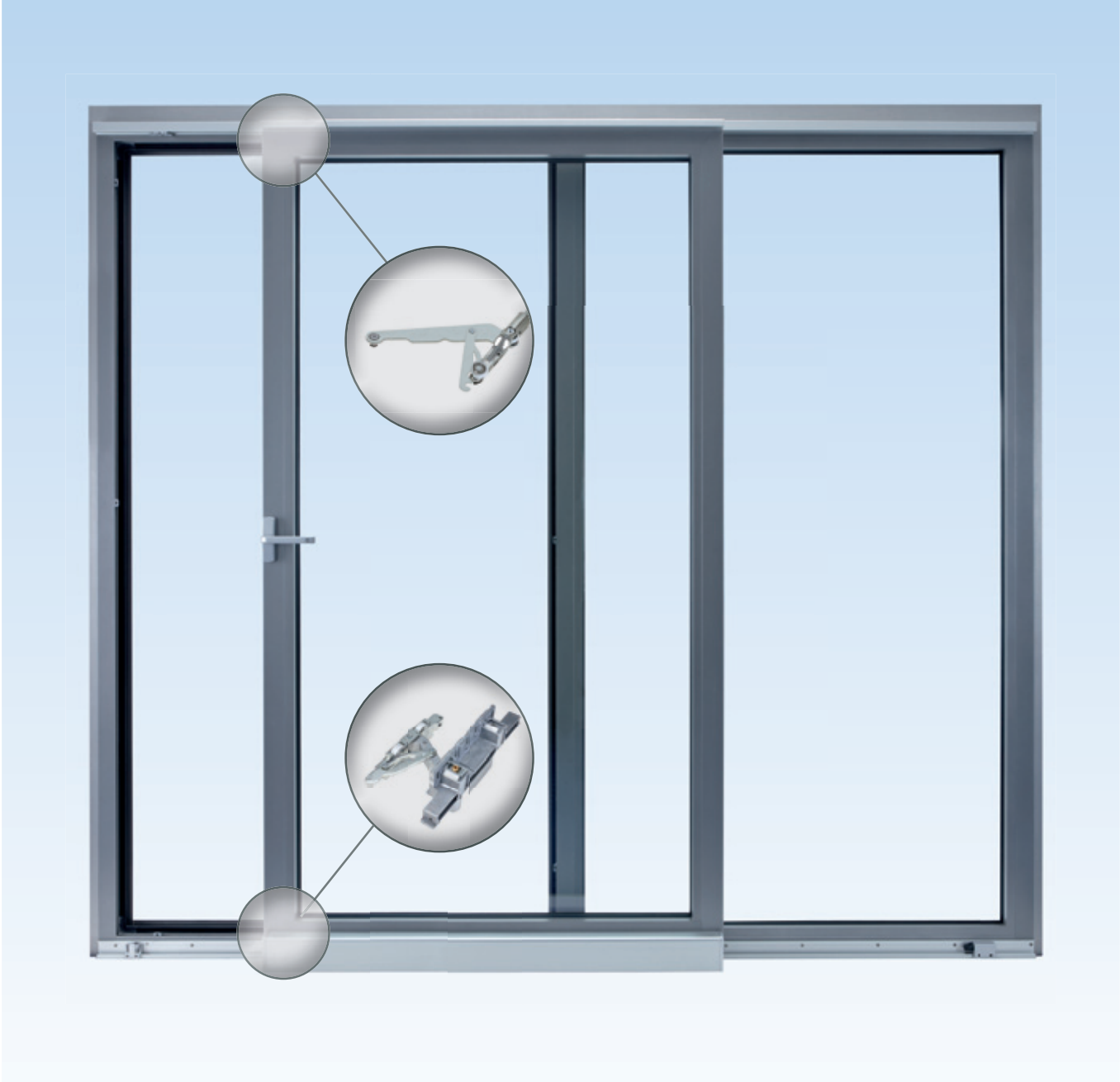
GU-966/200 oZ Parallel-Slide hardware system

Parallel-Slide hardware system with front and rear 2-wheel bogie and clampable connecting rod at the bottom of the sash, and front and rear 2-wheel bogie with clampable connecting rod at the top. For windows and balcony-doors with sash widths up to 2000 mm and sash weights up to 200 kg. Bogie wheels with plastic-coated deep-groove ball bearings.

Description	Max. sash weight [kg]
Bottom bogie GU-966/200 oZ	up to 180
Bottom bogie GU-966/200 oZ Tandem	up to 200
Top bogie Parallel-Slide bogie	up to 130
Top bogie Parallel-Slide tandem bogie	up to 200

GU-968/200 oZ Parallel-Slide hardware system

The hardware range for aluminium windows and balcony-doors



GU-968/200 oZ Parallel-Slide hardware system

Application range	Sash width [mm]	Sash height [mm]	Max. sash weight [kg]
Aluminium GU-968/200 oZ	600 – 2000	730 – 2400	130
	1050 – 2000	730 – 2400	131 – 180 ^{[1][2]}
	1050 – 2000	730 – 2400	181 – 200 ^[3]

[1] From 131 kg with DIRIGENT-HL turn handle. An additional operating element is recommended (e.g. push/pull handle)
[2] From 131 kg with top tandem bogie
[3] From 181 kg with top and bottom tandem bogie



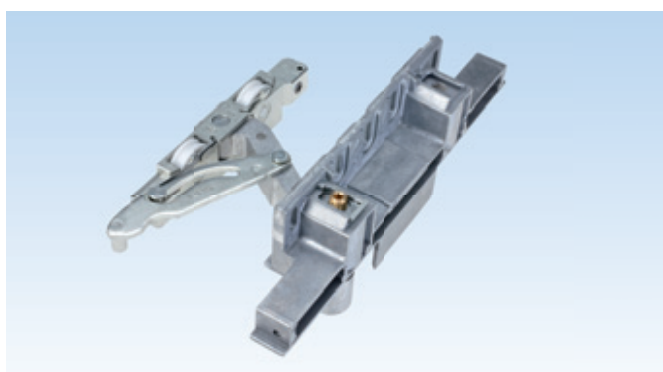
Parallel-Slide bogie, top



Parallel-Slide tandem bogie, top



Central locking system



GU-968/200 bottom bogie

Locking systems

GU-200 oZ Parallel-Slide locking system for 15/20 mm Euro-groove

The GU oZ locking system features one-handle operation and is suitable for sash widths from 600 mm. It is available with connector for a geared turn handle or with lockable mill-in gear with a backset of 25 up to 50 mm (with optional profile cylinder hole). All locking components are designed for Euro-groove 15/20 mm. The locking cams and corner drives are adjustable. The adjustable, clampable strikers provide optimal gasket pressure. The corner drives are equipped with 4-leaf springs of stainless steel.

GU-200 oZ Parallel-Slide locking system for 16 mm hardware groove

The GU oZ locking system features one-handle operation and is suitable for sash widths from 640 mm. It is available with 15 mm backset gear for turn handle DIRIGENT or with lockable gear with profile cylinder hole (backset from 25 to 50 mm). All locking parts are designed for 16 mm hardware groove. The cams of the central locking system and of the corner drives are adjustable. The adjustable, clampable strikers provide optimal gasket pressure. The corner drives are equipped with 4-leaf springs of stainless steel.

Bogies, profiles and accessories

GU-968/200 oZ Parallel-Slide hardware system

Parallel-Slide hardware system with front and rear 2-wheel bogie and clampable connecting rod at the bottom of the sash, and front and rear 2-wheel bogie with clampable connecting rod at the top. For windows and balcony-doors with sash widths up to 2000 mm and sash weights up to 200 kg. Bogie wheels with plastic-coated deep-groove ball bearings.

Description	Max. sash weight [kg]
Bottom bogie GU-968/200 oZ	up to 180
Bottom bogie GU-968/200 oZ Tandem	up to 200
Top bogie Parallel-Slide bogie	up to 130
Top bogie Parallel-Slide tandem bogie	up to 200



WINDOW TECHNOLOGY
DOOR TECHNOLOGY
AUTOMATIC ENTRANCE SYSTEMS
BUILDING MANAGEMENT SYSTEMS

Gretsch-Unitas GmbH
Baubeschläge
Johann-Maus-Str. 3
D-71254 Ditzingen
Tel. + 49 (0) 7156 301-0
Fax + 49 (0) 7156 301-77980

BKS GmbH
Heidestr. 71
D-42549 Velbert
Tel. + 49 2051 2010
Fax + 49 2051 201 9733

www.g-u.com

Printed in Germany

11/2012

WP00351-04-1-2

Securing technology for you

