



WINDOW TECHNOLOGY  
DOOR TECHNOLOGY  
AUTOMATIC ENTRANCE SYSTEMS  
BUILDING MANAGEMENT SYSTEMS



FOR WINDOWS AND BALCONY-DOORS MADE OF PVC, TIMBER AND ALUMINIUM

## The UNI-JET Tilt&Turn hardware range



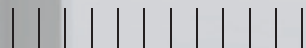
Securing technology for you



# The hardware world of the GU group

## Keep all your options open

Side-Hung, Inline-Sliding, Top-Hung, Tilt-Only, Vertical-Pivot or Slide&Fold windows. Single or multi-sashed in different shapes. Made of PVC, timber and aluminium. The GU group provides all options to window fabricators all over the world and also makes their job equally straightforward: by supplying high-quality hardware systems that not only satisfy high technical and aesthetic demands, but also increase fabrication, installation and storage efficiency.





# For universal use

The UNI-JET central locking system

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## + ONE SOLUTION FITS ALL – THE CENTRAL LOCKING SYSTEM PRINCIPLE

With the central locking system, the GU group supplies a hardware system which can be used universally for all window shapes, whether for PVC, timber or aluminium windows with a 16 mm hardware groove: from Tilt&Turn windows to Horizontal-Pivot and Vertical-Pivot windows through to Tilt&Slide and Fold&Slide balcony-doors. Special shapes, such as round, basket and pointed arch windows are possible using a small number of additional components.

## + EFFICIENT STORAGE, MANUFACTURING AND INSTALLATION

As the central locking system can be used universally, different hardware systems are no longer required during manufacturing: this reduces the expenditure for storage and reordering and simplifies installation. As the system requires comparatively few hardware components, which can be flexibly used in different opening types, this not only guarantees easy installation but also reduces the number of individual components to a minimum.

## + INTEGRATED SECURITY BENEFITS

In addition to opening and closing conveniently, window hardware is also required to satisfy another important criterion – burglar resistance. The design of the central locking system is always the same irrespective of the required security – from basic security through to the tested burglary resistance classes RC1N, RC1, RC2N, RC2 and RC3, for 1- and 2-sashed windows. The configuration of burglary resistance classes is determined most importantly by the selection of different strikers.



One solution for all window types and frame materials. Special central locking systems are only required for the Lift&Slide systems and with ALU-JET.

# THE CENTRAL LOCKING SYSTEM PRINCIPLE



Tilt&Turn window



Horizontal-Pivot window



Vertical-Pivot window



Tilt&Slide elements



Parallel-Slide elements  
Parallel-Slide lightweight elements



Fold&Slide elements

# Well thought out down to the last detail

## The UNI-JET central locking system

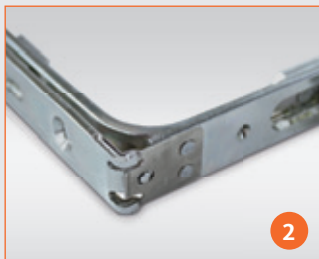
### + From automatic cams through to anti-slam devices

Ingenious technical solutions that can be combined to form an intelligent system: all components of the central locking system are precisely coordinated and have been developed with the aim of simplifying manufacturing, installation and operation.



#### Cleverle

The Cleverle automatic cam compensates for rebate clearances of between 8.5 mm and 15 mm (with standard strikers) or 8.5 mm and 14 mm (with Sec strikers) simplifying installation and maintenance.



#### Clip connection

The drive-gear and stay-guide's connection is implemented both safely and practically, thanks to the clip-in function.



#### Linear, automated-machinery compatible connection

Build windows cost-effectively: the linear connection simplifies automated-machinery fabrication.



#### Straight cropping

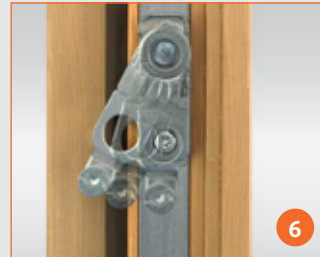
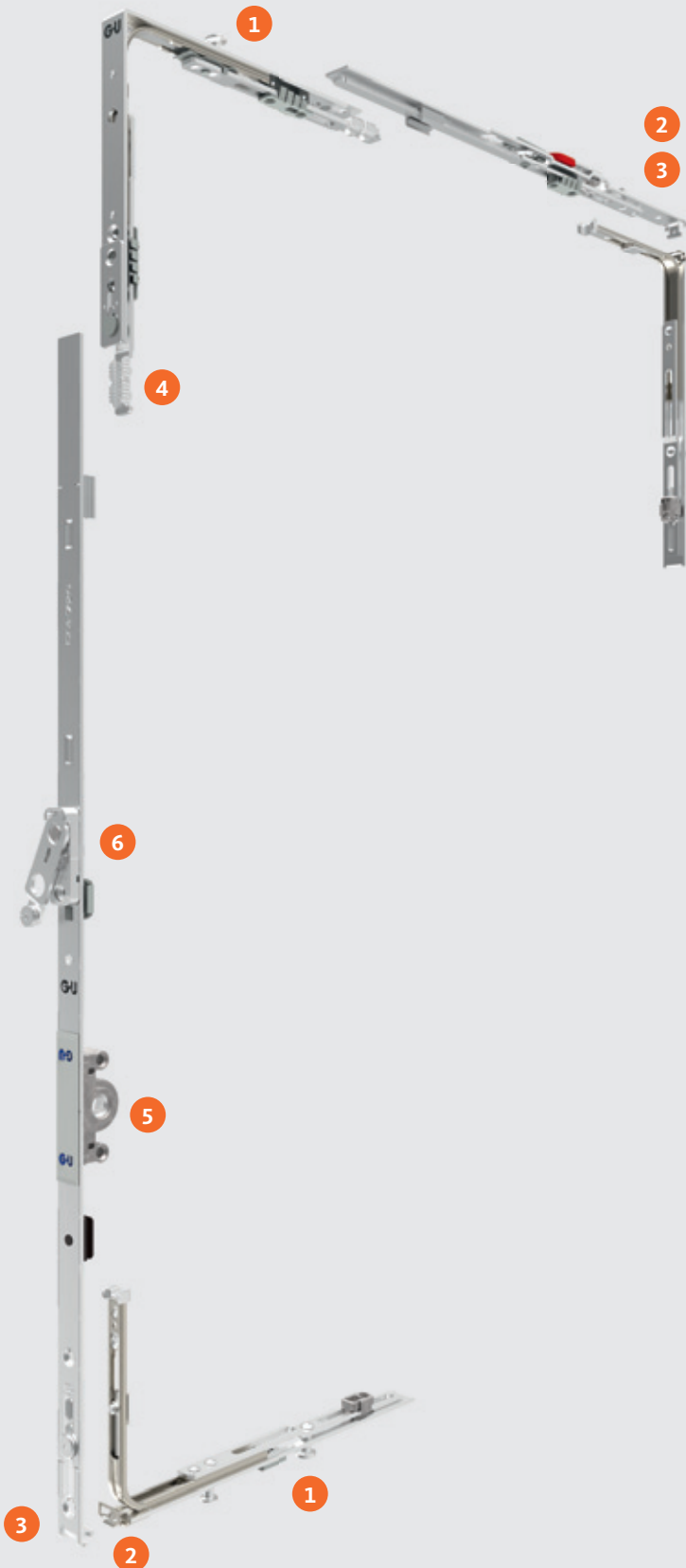
Easily crop drive-gears and stay-guides to the required length – no special staggered punching machinery required: also ideally suited for subsequent cutting on site.



#### Fixed handle height drive-gear

Ideal for modular connections: the fixed handle height drive-gear can be cropped by 160 mm to accommodate other hardware components.





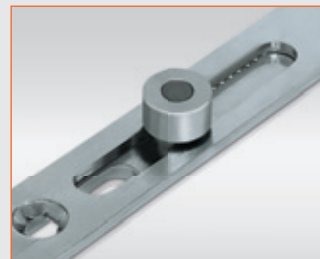
**Sash lifter**

The sash lifter gently lifts the sash into the closed position, supporting user-friendly operation and preventing mishandling.



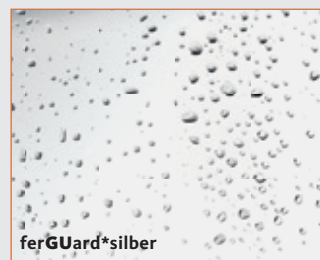
**Bullet-catch**

The bullet-catch ensures that the door is held on the frame. The engaging and disengaging force can be adjusted and the height is automatically levelled.



**Magnetic contact**

Various components incorporating magnets are available for opening & locking monitoring up to VdS grade C.



**Standard ferGUard\*silver surface sealing**

Enduring high-quality aesthetics: ferGUard\*silver is highly resistant to corrosion as verified by the results of standardised salt spray tests.



**faceGUard – surface treatment for the highest demands**

The surface treatment for protection against aggressive climatic conditions, e.g. in coastal regions. Meets the requirements of the stringent salt spray test for up to 1500 hours.



**Flat packaging**

UNI-JET is supplied in ergonomic flat packaging which makes installation easier and saves warehouse space.

# The surface-mounted UNI-JET hinge-sides

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## The surface-mounted UNI-JET hinge-sides UNI-JET D, UNI-JET M, UNI-JET S and UNI-JET C

Aesthetics and slimline features in window design are becoming more and more important. The technical demands are also increasing: the emergence of trends such as triple glazing and floor-to-ceiling windows mean that greater sash weights are required. With UNI-JET, the GU group provides a range of hinge-sides that satisfies these design and technology expectations – irrespective of whether for PVC, timber or aluminium windows.

### + TRIED-AND-TESTED TECHNOLOGY WITH AN APPEALING LOOK

The UNI-JET hinge-side is convincing due to its cohesive elegant design which blends harmoniously with modern window frames: the high-quality surface in white paint or silver aesthetics has no visible screws or pins, which means cover caps are no longer required. Additional colours are available from the wide range of cover caps.

### + THE LASTING EFFECTIVE SOLUTION

The UNI-JET can carry sash weights up to 200 kg and floor-to-ceiling sashes up to a height of 2800 mm – without requiring any additional components and with identical visual appearance. Ease of movement when opening and closing is also ensured up to the safety class RC3. The hardware functions are guaranteed for 10 years, ensuring their long term reliability.

### + EASY HANDLING IN PRODUCTION

The entire UNI-JET hardware range is designed for easy, efficient and machine-compatible fabrication. Symmetrical components, hole and screw patterns make hardware installation easy. Flat packagings and a reduced number of components save warehouse space.

#### Product overview

| Designation                                | PVC         |            |             | Aluminium   |             |
|--------------------------------------------|-------------|------------|-------------|-------------|-------------|
|                                            | UNI-JET D   | UNI-JET M  | UNI-JET S   | UNI-JET D   | UNI-JET C   |
| Description                                | D = drilled | M = milled | S = screwed | D = drilled | C = clamped |
| Sash rebate width [mm]                     | 280–1600    | 280–1700   | 280–1600    | 280–1600    | 280–1600    |
| Sash rebate height [mm]                    | 250–2800    | 250–2800   | 250–2800    | 250–2800    | 250–2800    |
| Tested hardware load-bearing capacity [kg] | 150         | 200        | 130         | 130         | 130         |

For all stated weights and dimensions, please refer to our application diagrams. For more information, visit our website [www.g-u.com](http://www.g-u.com).

# The concealed UNI-JET hinge-sides

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## The concealed hinge-sides UNI-JET SCF, UNI-JET CONTURA and UNI-JET CC

The GU group provides a wide range of concealed hinge-sides for PVC, timber and aluminium windows in order to meet high design expectations and extend the scope of window design and manufacturing freedom. The fully concealed hinges make the window profiles a visual highlight.

### + THE INVISIBLE LOAD CARRIER

Sash weights up to 160 kg, floor-to-ceiling sashes up to 2800 mm and ease of operation, also in safety classes up to RC3 – the UNI-JET SCF concealed hinge-side has been found to perfectly satisfy all of the above when subjected to countless test cycles. The option of a barrier-free version provides an additional benefit.

### + NO COMPROMISES ON DESIGN & FUNCTIONALITY

The UNI-JET SCF hinge-side for PVC and timber windows (with/without overlap or with CONTURA-compatible profile), UNI-JET CONTURA for timber windows (flush) and the UNI-JET CC hinge-side for aluminium windows emphasise clear architectural lines and offer the same degree of safety and functionality as the surface-mounted hinge-sides from the GU group.

### + MORE INSTALLATION EFFICIENCY

With concealed hinge-sides, the sashes are hinged parallel to the frame. This allows for one-man installation. Space-saving packaging and a reduced number of components also reduce storage overheads.

#### Product overview

| Designation                                | PVC                                       | Timber                                    |                 | Aluminium                    |
|--------------------------------------------|-------------------------------------------|-------------------------------------------|-----------------|------------------------------|
| Tilt&Turn hardware                         | UNI-JET SCF                               | UNI-JET SCF                               | UNI-JET CONTURA | UNI-JET CC                   |
| Description                                | S = screwed<br>C = concealed<br>F = flush | S = screwed<br>C = concealed<br>F = flush | -               | C = clamped<br>C = concealed |
| Sash rebate width [mm]                     | 300–1400                                  | 300–1400                                  | 350–1600        | 390–1400                     |
| Sash rebate height [mm]                    | 280–2800                                  | 280–2800                                  | 250–2800        | 280–2800                     |
| Tested hardware load-bearing capacity [kg] | 130   160*                                | 130   160*                                | 130             | 130                          |

\* with optional load absorbing device  
For all stated weights and dimensions, please refer to our application diagrams. For more information, visit our website [www.g-u.com](http://www.g-u.com).

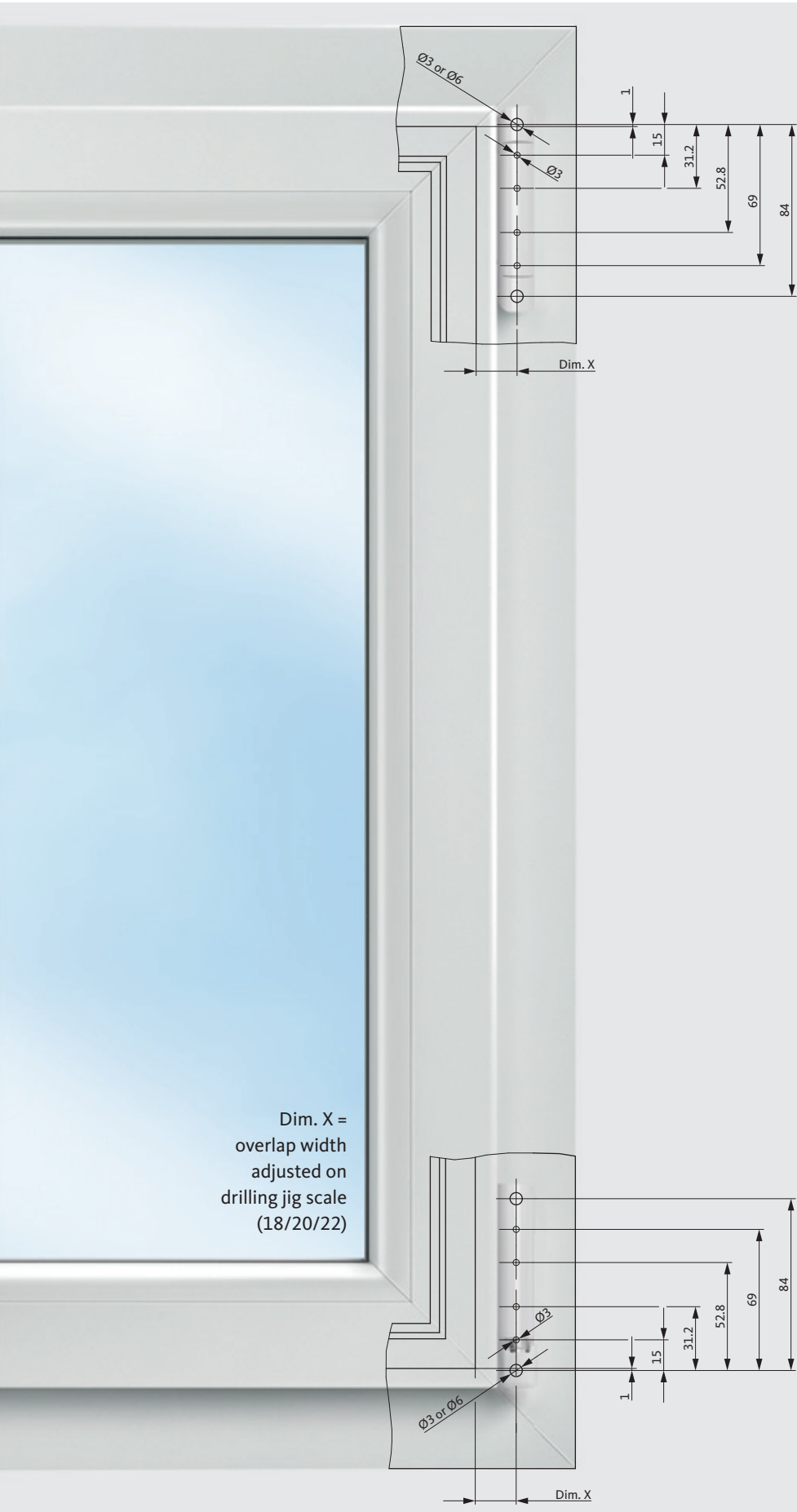
# The UNI-JET Tilt&Turn hardware range

## The full product range

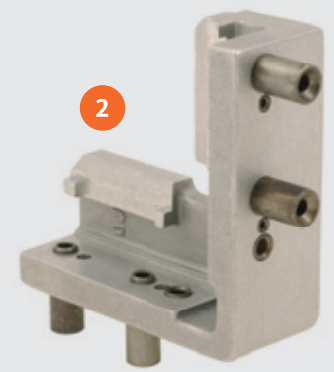
PVC, timber or aluminium; surface-mounted or concealed hinge-side: each window places specific demands on the hardware. The UNI-JET Tilt&Turn hardware range thankfully offers the right solution for all windows and balcony-doors – aesthetically pleasing, high-quality and easy to manufacture.



- 1 Drilling-jig for stay-bearing and pivot-rest**  
Perfect positioning of each hinge-side: the symmetrical solid drilling template makes installation easier and prevents installation errors.
- 2 Drilling jig for the drill-in hinge and rebate corner-hinge**  
The solid drilling jig with funnel-shaped drill bushings of hardened steel allows the sash to be predrilled efficiently and precisely.



Dim. X =  
overlap width  
adjusted on  
drilling jig scale  
(18/20/22)



# UNI-JET D

## The surface-mounted hardware system for PVC

### Design benefits

- Cohesive elegant design
- High-quality surface available from stock in white and silver
- Cover caps available in a large selection of colours

### Easy handling

- Assembly-friendly pin safeguard in the stay-bearing
- Convenient, three-dimensional hardware adjustment
- Easy to adjust without having to remove cap due to flexible adjusting cap on drill-in hinge and rebate corner-hinge
- Stay bearing pin can be conveniently removed using the GU pull handle or the GU adjustment tool, or a standard slotted screwdriver

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✚ Accessibility for balcony and patio-doors through higher-positioned rebate corner-hinges and floor-flush thresholds

✚ Tested resistance classes up to RC3 with 1- and 2-sashed windows

✚ **Our product range for barrier-free threshold solutions:**



### Design freedom

Available with drill-in hinge or rebate corner-hinge



UNI-JET D with drill-in hinge

UNI-JET D with drill-in hinge

UNI-JET D with rebate corner-hinge

### Technical data

| Designation | Rebate clearance [mm] | Axis [mm] | Sash overlap [mm] | Tested hardware load-bearing capacity [kg] | Sash rebate width [mm] | Sash rebate height [mm] | Version of pivot-rest with positioning pin [mm] |
|-------------|-----------------------|-----------|-------------------|--------------------------------------------|------------------------|-------------------------|-------------------------------------------------|
| UNI-JET D   | 12                    | 9 / 13    | 18 / 20 / 22      | max. 150                                   | max. 1600              | max. 2800               | Ø 3 mm and Ø 6 mm in different lengths          |

For all stated weights and dimensions, please refer to our application diagrams and the manufacturer's profile information!  
For more information, visit our website [www.g-u.com](http://www.g-u.com).

# UNI-JET SCF

The concealed hardware system for PVC




## Design benefits

- No hardware components visible
- Suitable for use in flush windows

## Easy handling

- No window drilling required
- One-man installation possible thanks to the parallel sash hinging
- No damage to components when plastering, as they are situated in the rebate area

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FOR YOU

-  Also with triple sashed windows without mullion (Swiss windows)
-  Opening angle up to 90°
-  Tested resistance classes up to RC3 with 1- and 2-sashed windows



## Design freedom

The inward-moving turning-curve provides 5 mm free space on the frame, thus allowing for more design freedom

### Technical data

| Designation | Rebate clearance [mm] | Axis [mm] | Sash overlap [mm] | Tested hardware load-bearing capacity [kg] | Sash rebate width [mm] | Sash rebate height [mm] |  |
|-------------|-----------------------|-----------|-------------------|--------------------------------------------|------------------------|-------------------------|--|
| UNI-JET SCF | 12                    | 9 / 13    | max. 22           | 130 / 160*                                 | max. 1400              | max. 2800               |  |

\* with optional load absorbing device

For all stated weights and dimensions, please refer to our application diagrams and the manufacturer's profile information!  
For more information, visit our website [www.g-u.com](http://www.g-u.com).

# UNI-JET M and UNI-JET S

## The surface-mounted hardware systems for timber

### Design benefits

- Cohesive elegant design
- High-quality surface available from stock in white and silver
- Cover caps available in a large selection of colours

### Easy handling

- Assembly-friendly pin safeguard in the stay-bearing
- Convenient, three-dimensional hardware adjustment
- Easy to adjust without having to remove cap due to flexible adjusting cap on rebate corner-hinge
- Stay bearing pin can be conveniently removed using the GU pull handle or the GU adjustment tool, or a standard slotted screwdriver

THE BIG  
**PLUS**  
FOR YOU

- +
  - +
  - +
- Accessibility for balcony and patio-doors through higher-positioned rebate corner-hinges and floor-flush thresholds
- Tested resistance classes up to RC3 with 1- and 2-sashed windows
- Our product range for barrier-free threshold solutions:**



UNI-JET M6/12

UNI-JET M6/4

UNI-JET S



# UNI-JET M and UNI-JET S

The surface-mounted hardware systems for timber



max. 150



max. 200



UNI-JET M6/150

UNI-JET M8/12

**High load-bearing capacity**  
of hardware is 200 kg  
due to solid rebate corner-hinges  
for heavy weights with identical  
aesthetics as with the standard  
hinge-side version

## Technical data

| Designation    | Rebate clearance [mm] | Axis [mm] | Sash overlap [mm] | Tested hardware load-bearing capacity [kg] | Sash rebate width [mm] | Sash rebate height [mm] |  |
|----------------|-----------------------|-----------|-------------------|--------------------------------------------|------------------------|-------------------------|--|
| UNI-JET M6/12  | 12                    | 9 / 13    | 18 / 20           | max. 130                                   | max. 1600              | max. 2800               |  |
| UNI-JET M6/150 | 12                    | 9 / 13    | 18 / 20           | max. 150                                   | max. 1600              | max. 2800               |  |
| UNI-JET M8/12  | 12                    | 9 / 13    | 18 / 20           | max. 200                                   | max. 1700              | max. 2800               |  |
| UNI-JET M6/4   | 4                     | 9 / 13    | 15 / 18           | max. 130                                   | max. 1600              | max. 2800               |  |
| UNI-JET S      | 12                    | 9 / 13    | 18 / 20           | max. 130                                   | max. 1600              | max. 2800               |  |

Regarding the indicated weights and dimensions please observe our application diagrams! For more information, visit our website [www.g-u.com](http://www.g-u.com).

# UNI-JET SCF

## The concealed hardware system for timber

### Design benefits

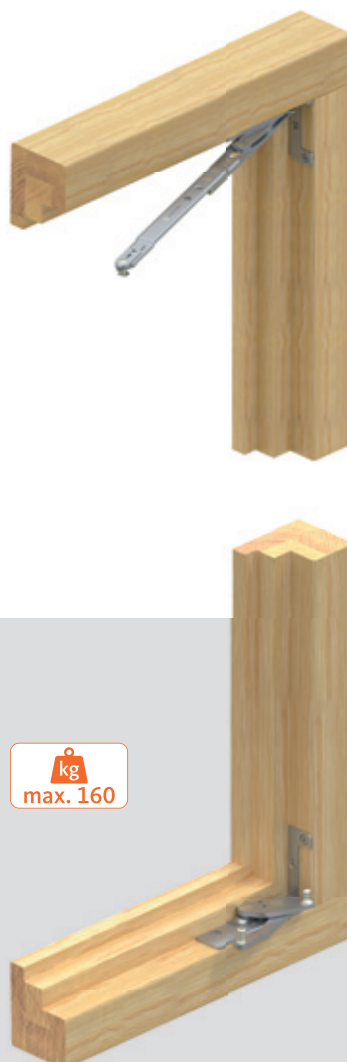
- No hardware components visible
- Suitable for use in flush windows

### Easy handling

- No milling work necessary on the window
- One-man installation possible thanks to the parallel sash hinging
- No damage to components when plastering, as they are situated in the rebate area

THE BIG  
**PLUS**  
FOR YOU

- +
- Also with triple sashed windows without mullion (Swiss windows)
- +
- Opening angle up to 90°
- +
- Tested resistance classes up to RC3 with 1- and 2-sashed windows



### Design freedom

The inward-moving turning-curve provides 5 mm free space on the frame, thus allowing for more design freedom

### Technical data

| Designation | Rebate clearance [mm] | Axis [mm] | Sash overlap [mm] | Tested hardware load-bearing capacity [kg] | Sash rebate width [mm] | Sash rebate height [mm] |  |
|-------------|-----------------------|-----------|-------------------|--------------------------------------------|------------------------|-------------------------|--|
| UNI-JET SCF | 12                    | 9 / 13    | max. 22           | 130 / 160*                                 | max. 1400              | max. 2800               |  |

\* with optional load absorbing device

For all stated weights and dimensions, please refer to our application diagrams. For more information, visit our website [www.g-u.com](http://www.g-u.com).

# UNI-JET CONTURA

The concealed hardware system for timber

## Design benefits

- No hardware components visible
- Suitable for use in flush windows

## Easy handling

- No milling work necessary on the window
- One-man installation possible thanks to the parallel sash hinging
- No damage to components when plastering, as they are situated in the rebate area

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**PLUS**  
FOR YOU

- + Opening angle up to 90°
- + Tested resistance classes up to RC2 with 1- and 2-sashed windows
- + Tested resistance class SKG\*\*



## Technical data

| Designation     | Rebate clearance [mm] | Axis [mm] | Sash overlap [mm] | Tested hardware load-bearing capacity [kg] | Sash rebate width [mm] | Sash rebate height [mm] |  |
|-----------------|-----------------------|-----------|-------------------|--------------------------------------------|------------------------|-------------------------|--|
| UNI-JET CONTURA | 12                    | 9         | max. 7            | 130                                        | max. 1600              | max. 2800               |  |

For all stated weights and dimensions, please refer to our application diagrams. For more information, visit our website [www.g-u.com](http://www.g-u.com).

# UNI-JET C

## The surface-mounted hardware system for aluminium

### Design benefits

- Coherent aesthetically appealing design using an aluminium profile hinge flush with the sash overlap
- High-quality surface finish in anodised silver, white or black available from stock, an uncoated version is also available for project-related coating

### Easy handling

- Fabricator-friendly clamp fastening of the sash corner-hinge in the rear-cut hardware groove
- Convenient three-dimensional hardware adjustment
- Maintenance-free stay-bearings and corner-hinges

THE BIG  
**PLUS**  
FOR YOU

- +
  - +
  - +
- All components are non-handed
- Opening angle up to 180°
- Tested resistance classes up to RC2 with 1- and 2-sashed windows



### Technical data

| Designation | Rebate clearance [mm] | Axis [mm] | Sash overlap [mm] | Tested hardware load-bearing capacity [kg] | Sash rebate width [mm] | Sash rebate height [mm] |  |
|-------------|-----------------------|-----------|-------------------|--------------------------------------------|------------------------|-------------------------|--|
| UNI-JET C   | 12                    | 9 / 13    | 18 / 20           | 130                                        | max. 1600              | max. 2800               |  |

For all stated weights and dimensions, please refer to our application diagrams and the manufacturer's profile information!  
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# UNI-JET D

The surface-mounted hardware system for aluminium

## Design benefits

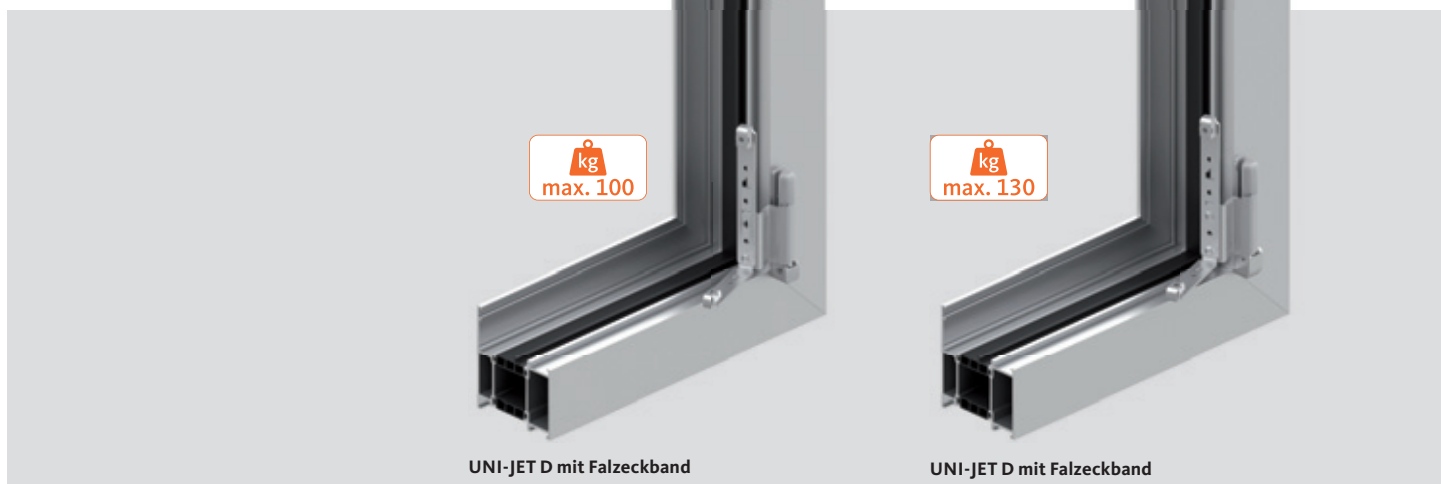
- Cohesive elegant design
- High-quality surface ferGUard\*silver
- Cover caps available in a large selection of colours

## Easy handling

- Assembly-friendly pin safeguard in the stay-bearing
- Convenient three-dimensional hardware adjustment
- Stay bearing pin can be conveniently removed using the GU pull handle or the GU adjustment tool, or a standard slotted screwdriver
- Adjustable turn-brake in the rebate corner-hinge

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FOR YOU

- ✚ Versions in the same hinge design also available for pitched and round arch windows
- ✚ Opening angle up to 180°
- ✚ Tested resistance classes up to RC2 with 1- and 2-sashed windows



| Technical data |                       |           |                   |                                            |                        |                         |  |
|----------------|-----------------------|-----------|-------------------|--------------------------------------------|------------------------|-------------------------|--|
| Designation    | Rebate clearance [mm] | Axis [mm] | Sash overlap [mm] | Tested hardware load-bearing capacity [kg] | Sash rebate width [mm] | Sash rebate height [mm] |  |
| UNI-JET D      | 12                    | 9 / 13    | 18 / 20           | 130                                        | max. 1600              | max. 2800               |  |

For all stated weights and dimensions, please refer to our application diagrams and the manufacturer's profile information!  
For more information, visit our website [www.g-u.com](http://www.g-u.com).

# UNI-JET CC

## The concealed hardware system for aluminium

### Design benefits

- No hardware components visible

### Easy handling

- No machining necessary on the frame profile
- Installation without any drilling: the modular, fully clampable hinge-side
- One-man installation possible thanks to the parallel sash hinging
- Suitable for flat or rear-cut 16 mm sash grooves
- Convenient three-dimensional hardware adjustment

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 FOR YOU

- ✚ Opening angle up to 100°
- ✚ Tested resistance classes up to RC2 with 1- and 2-sashed windows



### Technical data

| Designation | Rebate clearance [mm] | Axis [mm] | Sash overlap [mm] | Tested hardware load-bearing capacity [kg] | Sash rebate width [mm] | Sash rebate height [mm] |  |
|-------------|-----------------------|-----------|-------------------|--------------------------------------------|------------------------|-------------------------|--|
| UNI-JET CC  | 12                    | 9 / 13    | 18 / 20           | 130                                        | max. 1400              | max. 2800               |  |

For all stated weights and dimensions, please refer to our application diagrams and the manufacturer's profile information!  
 For more information, visit our website [www.g-u.com](http://www.g-u.com).



A product on its own is not a solution. Security, function and cost-effectiveness can only be ensured with the right planning and by ensuring correct application. For this reason GU group also applies the systematic thought processes demonstrated in its product range to its service offering.

**More: [www.g-u.com](http://www.g-u.com)**





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