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The Gretsch-Unitas Group

**GU**
GU in Ditzingen is the headquarters of the group, development, administration and the production of modern architectural hardware for window and door technology. It is equipped with different flexible assembly departments, a high-tech punching, galvanising and anodising facility.

**BKS**
BKS manufactures mechanical and electronic locking cylinders, locks, locking systems and panic locks for escape and rescue routes. Harmonised mechanical and electronic system solutions are available for access control.

**Ferco**
Ferco is the largest production site for window hardware in France. As a subsidiary of the Gretsch-Unitas group, Ferco also offers customer support and distribution in France for all products of the group.

**GU Automatic**
GU Automatic offers innovative, secure and reliable solutions for automatic entrance systems and automatic door systems, revolving doors, all-glass sliding walls, security curved sliding doors and controlled physical access.

**ela soft**
With the successful GEMOS advanced physical security information system and organisation system, ela-soft is one of the market and technology leaders in the building technology branch.
Opening, moving, closing, securing – true to its motto "Securing technology for you", Gretsch-Unitas group provides groundbreaking solutions for window and door technology, automatic entrance systems and building management systems. With its system brands, the group delivers solutions for burglar inhibition at doors and windows, barrier-free construction, doors in escape and rescue routes through to bespoke facade solutions for projects.
Creating comfort and accessibility

Barrier-free construction is the future.

The GU group regards barrier-free construction as sustainable construction. This ensures freedom of movement and comfort for every building user. By collaborating closely with architects, planners and developers, all-encompassing solutions that are tailored to the target groups and protection objectives can be found. In this case, comfortable operation goes hand in hand with appropriate aesthetics – an important basis for safeguarding the value of the building in the long term.
Creating comfort and accessibility
The barrier-free threshold solution from Gretsch-Unitas

The barrier-free solution from Gretsch-Unitas

Creating comfort and accessibility
The barrier-free threshold solution from Gretsch-Unitas

House entrance door

The GU system thresholds are CE-certified with various system profiles. The thermal break enables energy-efficient doors and balcony-doors to be constructed.

GU system threshold bb

The comfort range from Gretsch-Unitas group offers flush-to-floor thresholds as a tested system solution for house entrance doors, balcony-doors and Lift&Slide elements, offering a barrier-free solution for the door types mentioned using the same components and with identical appearance.

The GU system threshold bb is CE-certified in combination with various profile systems. Use of the thermal break enables energy-efficient doors and balcony-doors to be built. The thermal break increases living comfort, as moisture formation in the interior is prevented by constructional design measures. They are available to fit various profile systems. As the threshold is available in many different depths, it is suitable for almost every installation situation.

Advantages at a glance

- All 3 solutions can be produced using the same components
- A few additional components turn the GU system threshold into the GU floor-flush system threshold
- Gaskets and structural connections of the threshold remain unchanged
- Minimal warehousing
- Simple and easy installation
- No additional milling work on the element
- Pre-assembled on request
- Solutions for door leaf thicknesses up to 88 mm
- For single and double-leaf elements
- Usual processing
- Same components as for barrier-free balcony-door
- Tested security up to RC 3
Creating comfort and accessibility

For Lift&Slide elements, the barrier-free solution can be used with all GU-thermostep thresholds and requires only a few additional components.

Balcony-door

The patented additional lock by GU also allows the standard Tilt&Turn hardware to be used with the barrier-free solution without additional milling work.

In addition, strikers can be installed flush in balcony-doors, in an area of the threshold that is specially designed for this purpose. This patented additional lock by GU also allows the standard Tilt&Turn hardware to be used with the barrier-free solution. Even Tilt-First is also unproblematic. Furthermore, this solution is even suitable for 2-sash elements RC 2 / RC 2 N.

- The patented additional lock by GU also allows the standard Tilt&Turn hardware to be used with the barrier-free solution.
- Tilt-First is also possible
- Tested security also for 2-sashed elements up to RC 2

Lift&Slide door

For Lift&Slide elements, the barrier-free solution can be used with all GU-thermostep thresholds and requires only a few additional components.

The barrier-free solution for Lift&Slide elements can be used with all GU-thermostep 164 and GU-thermostep 204 thresholds. It is system-compatible and identical in appearance to the solution for house entrance doors and balcony-doors. As far as the fabricator is concerned, everything from production through installation in the building remains the same. The components that provide barrier-free passage are simply added.

- Accessibility is achieved using a few additional components
- Fabricators can fabricate barrier-free doors without having to change their production.
- Retrofitting in already existing projects possible
- Low maintenance and care due to removable profiles
- The threshold-to-structure connection remains unchanged
Creating comfort and accessibility
Pre-assembled GU-thermostep threshold

Threshold pre-assembled to the highest degree of fabrication (above: the GU-thermostep 204 for VEKA Slide 82)

Preassembly grade

<table>
<thead>
<tr>
<th>Item</th>
<th>Premium</th>
<th>Exclusive</th>
</tr>
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<tbody>
<tr>
<td>1  Threshold</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2  Drip rail</td>
<td></td>
<td></td>
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<tr>
<td>3  Corner connectors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4  Attachment track</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5  Extension of drip rail</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6  Profile extension</td>
<td></td>
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<tr>
<td>7  Lift&amp;Slide gear</td>
<td></td>
<td></td>
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<tr>
<td>8  Bogies with connecting rod</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9  P 1786 and P 1850 guide track incl. accessories</td>
<td></td>
<td>preassembled</td>
</tr>
</tbody>
</table>
Pre-assembled GU-thermostep threshold for Lift&Slide elements

With the GU-thermostep 164 and 204, a service is available that gives you the opportunity to order a threshold that has been completely cropped to the required dimension, predrilled and pre-assembled. This reduces manufacturing time and manufacturing expenditure which in turn reduces costs for you as fabricator. This service is provided at different prefabrication stages which you can select.

- No stock keeping of individual parts, so reduced inventory size and warehouse costs
- No offcuts and leftover amounts
- Reduced manufacturing time and costs
- Reduction of errors when cropping to size
- Reduction of errors when calculating and ordering the threshold

Premium: high degree of prefabrication
The scope of delivery includes the threshold and all necessary accessory parts, cut to the required length, mounted and fixed with screws. The corner connectors are mounted and all required sealing work is done.

Exclusive: highest degree of prefabrication
The following hardware articles can be ordered made to measure:
- Drip rail extensions (25, 40, 60 mm)
- Vertical profile extensions
- Lift&Slide gears BS 27.5 and BS 37.5
- The bogies are pre-assembled together with the connecting rod which has been cropped to the required length
- Guide track P 1786 and P 1850 made to measure incl. accessories for timber profile systems
- Structural connection set
- HS CleanUnit
- Comfort package with HS LiftUnit and handle damper as Light version for sash weights up to 200 kg and Heavy version for sash weights up to 400 kg
- Optionally available with DIRIGENT turn handle and security package for burglar inhibition according to RC 2

The following Lift&Slide systems are available:

<table>
<thead>
<tr>
<th>Lift&amp;Slide system PVC</th>
<th>Lift&amp;Slide system timber</th>
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<tbody>
<tr>
<td>VEKA Slide 82</td>
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<tr>
<td>Profine PremiDoor 88</td>
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<tr>
<td>Aluplast HST 85</td>
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<td>Rehau Geneo</td>
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<td>Gealan S 8000</td>
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<td>Gealan S 9000</td>
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<td>Schüco ThermoSlide Si 82</td>
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<td>Aluplast Ideal 4000</td>
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<td>Salamander eD</td>
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<td>Schüco Corona CT 70</td>
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<th>Pattern C</th>
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Creating comfort and accessibility

Door closers with slide rail of the OTS 73x series

Comfort and design – as simple as that.

Whether for fire protection, barrier-free construction or burglar protection: the use of overhead door closers to automatically close doors plays an important role in public and private buildings. It is fortunate therefore that this exceptionally compact solution that ensures a high degree of comfort and barrier freedom is available! The smallest of their type, the OTS 73x series of door closers with slide rail combines attractive design with straightforward opening – in compliance with the standards DIN SPEC 1104 and DIN 18040 for barrier-free construction.
Door closers with slide rail

The use of overhead door closers to automatically close doors plays an important role in public and private buildings. With comparatively exceptionally compact dimensions, the OTS 73x series of slide-rail closers combines attractive design with straightforward opening – in compliance with the standards DIN SPEC 1104 and DIN 18040 for barrier-free construction. The high level of opening convenience is achieved using the double-heart curve technology and optional free-swing function.

All product types – even the freewheel door closers – have uniform dimensions, hole patterns and appearance, which ensures that when different door closers are used, the resulting overall impression is harmonious.

The covers and the slide arm are available in different materials and finishes and can thus be selected to fit the door and the surrounding architecture.

To meet the highest expectations in terms of design and functionality, the new generation of door closers also includes a concealed model.

The OTS 73x FL freewheel slide-rail closer has been tested to EN 1155 and is perfect for barrier free situations at fire protection doors in kindergartens, residential homes for the elderly, etc. The electrical freewheel function allows unrestricted movement and therefore allows the user to pass easily through the door as if no door closer were installed – but still allows the door to be shut securely in the event of fire.

The series covers all applications with its innovative modular system: the components are simply combined to meet requirements and adjusted individually. This not only makes planning, but also installation and retrofitting, easier.

Concealed door closer

The concealed door closers emphasise clear architectural lines and offer the same degree of security and functionality as the surface-mounted overhead door closers by GU group.

The VTS 735 model for 1 and 2-leaf doors is concealed within the door leaf, which means the door closer and slide rail cannot be seen when the door is closed. The door closer thus meets the highest expectations in terms of function and design.

- Tested in accordance with EN 1154
- EN 3-5 for door leaf widths up to 1250 mm
- With heart curve technology, thus in compliance with DIN SPEC 1104 and suitable for barrier-free construction according to DIN 18040
- Smallest dimensions (L x H x D): 240 x 45 x 32 mm
- Valve functions
  - Closing speed
  - Latching speed
  - Backcheck
- For door leaf thicknesses of 40 mm or more
The right solution for every application

School, hotel or airport? Single or double-leaf doors? Installation on the hinge-side or the side opposite to hinges? When choosing a door closer, many different questions arise. Gretsch-Unitas solutions provide individually-tailored answers to these questions. This is because our door closers are versatile and can adapt to specific building situations and door variants. The innovative modular system of the OTS 73x series completely covers all requirements and thus makes planning and installation easier for all applications.

Possible uses range from simple door closing to fire protection all the way through to barrier freedom. In addition, the modular system allows fast retrofitting and additional functions to be easily incorporated when implementing special solutions.

The OTS 73x series makes all this happen as it contains suitable components for all applications and mounting variants across the board: the slide rail and slide arm, the symmetrical mounting plate and axle extension are always the same. Without being dismantled, they can be flexibly expanded with additional components – for example, with a mechanical or electromechanical hold-open device, door-leaf coordinator, opening restrictor or smoke switch module.

The advantage is obvious: we offer our customers components that are exactly matched for all requirements. The range of different components you need to keep in stock is lower and fewer fixing accessories are required – this increases efficiency and reduces costs.

Advantages at a glance

- One slide rail, one slide arm and one concealed axle extension for all application and installation types
- Uniform mounting plate to EN 1154 for all application and installation types
- Uniform installation drilling pattern for all variants prevents confusion
- Fixing pins on the mounting plate for secure, fast installation and steady fixing
- All types of hold-open devices (mechanical and electromechanical) can be opened beyond the hold-open angle

Creating comfort and accessibility

The modular system of the OTS 73x series

One slide rail for all applications

1-leaf – OTS 73x
2-leaf – OTS 73x SRI

Standard installation on hinge-side
Transom installation on hinge-side
Standard installation on side opposite to hinges
Transom installation on side opposite to hinges
The modular system

1. OTS 73x/OTS 73x BG door closer
   - Cover
   - OTS 73x door closer body
   - OTS 73x BG door closer body

2. GS slide rail (with slide arm)

3. AD-GS slide rail cover

4. Mechanical hold-open device FM with opening restrictor ÖB

5. Electromechanical hold-open device FE

6. AD-GS-FE cover for electromechanical hold-open device

7. SRI door-leaf coordinator
   - SRI
   - SRI-BG

8. AD-SRI cover for door-leaf coordinator
   - BS = Hinge-side
   - BG = Side opposite to hinges

9. RSM smoke switch module

10. MP mounting plate

11. ÖB opening restrictor
Considering it has more than 60 years of experience in developing and consolidating its expertise in the area of Lift&Slide technology, it is safe to say that Gretsch-Unitas group offers far more than just hardware solutions for large-format elements. All hardware is burglar-inhibiting according to EN 1627, tested up to resistance class RC 3 and certified for retrofitting according to DIN 18104-2. In addition, a GU-thermostep threshold which is flush with the floor can be fitted to Lift&Slide elements. The elements can also be made entirely barrier free using the HS ePOWER motor-driven drive: the combination of threshold and drive offers outstanding comfort within the meaning of barrier-free solutions as defined by DIN 18040.
Mechanical Lift&Slide hardware

Ever since Gretsch-Unitas invented the first hardware system for Lift&Slide doors back in 1958, large-format Lift&Slide doors have been right at the top of the architectural wish list of demanding builders. This innovative solution set a trend in the industry at the time, and one that has continued down to the present day. This is because the elements appeal with their spatial effect just as much as their design.

We offer comprehensive solutions for high-quality Lift&Slide technology. The many enhancements and additional packages make it possible to design and produce Lift&Slide solutions perfectly tailored to customer requirements. Existing elements can be easily retrofitted to meet specific requirements such as for barrier freedom and burglar inhibition.

Lift&Slide doors blur the boundary between the inside and outside and therefore convey a sense of distance and freedom.

All the hardware variants from Gretsch-Unitas for Lift&Slide applications share the same basic strengths and advantages: outstanding running smoothness and lightness of the sliding panels, pleasant easy operation – even with large and heavy sashes – are just a few of the benefits.

Motor-driven Lift&Slide hardware

The HS ePOWER is a barrier-free comprehensive solution according to DIN 18040. The intelligent combination of tried-and-tested GU standard hardware, motor-driven drive and barrier-free threshold establishes the prerequisite for comfortable and safe use.

Special characteristic: all components are fully concealed. Only the manual operating element is visible. The three key panels of the control panel can be operated intuitively by lightly tapping on them. Alternatively, the sliding sash can be actuated via a remote control. Encrypted data transmission affords a high level of security. The HS ePOWER can also be integrated into many building automation systems.

When the door is closed, the batteries in the door leaf are charged automatically via wireless power transmission. Owing to the battery operating time, the door remains fully functional when left open for longer periods, or even in the event of a power failure.

The Lift&Slide door is completely barrier-free according to DIN 18040.
With the optional extras, a modular system is offered that meets the individual requirements of the end user in terms of comfort, safety and functionality. Existing Lift&Slide elements can thus be brought up to the latest state of the art.

### Extra equipment for Lift&Slide hardware

The extra equipment offers a modular system allowing the individual demands of end users to be met with regard to convenience, security and functionality.

- **Makes light work of lifting heavy sashes:** GU has added the HS LiftUnit to its range in order to noticeably reduce the operating force on the handle of a manual Lift&Slide door. The HS LiftUnit greatly facilitates operation of the Lift&Slide door, especially for high sash weights, as the torque on the handle is reduced by 50%. It can be retrofitted to existing Lift&Slide doors.

- **The L&S night vent module combines burglar protection with optimum ventilation comfort.** Elements with integrated L&S night vent module are RC 2-tested to DIN V ENV 1627, which means they are securely locked even in the ventilation position.

- **HS SilentClose:** the Lift&Slide sash brakes when opening or closing a few centimetres before reaching the end position then moves automatically to the end position.

- **HS StopUnit:** the Lift&Slide sash stops safely before the end position and is then pushed and locked manually into its end position.

- **HS SpeedLimiter:** uncontrolled acceleration of the sliding sash is prevented by limiting the speed to 0.2 m/s.

- **The handle damper ensures rebound-free controlled rotational movement of the turn handle.**

- **The rubber buffer brakes the sash when it is opened with a high momentum to avoid damage to the Lift&Slide sash and frame.**

- **Tension spring in Lift&Slide gear reduces the operating force on the turn handle.** It offers an alternative to the HS LiftUnit, but with a significantly reduced operating force.

- **HS LiftUnit:** the operating force applied during opening and lifting of the Lift&Slide door is supported by the HS LiftUnit by 50%. Only half the operating force therefore needs to be applied at the handle. This makes operation significantly easier for the user, also with sashes weights of 200 kg or more.

- **The barrier-free solution by Gretsch-Unitas can be used with all GU-thermostep 164 and GU-thermostep 204 thresholds.**

- **The GU-thermostep for Lift&Slide elements with panoramic glazing meets the highest demands in terms of design and living comfort by maximising the glazing area in the fixed panel section.**

- **Thanks to the lowering safeguard, light window sashes are closed in a tight and controlled manner.**

- **The anti-jemmy device prevents the sliding sash from being lifted in the closed position.**

- **Thanks to the RONDO turn handle extended to a length of 400 mm, the turn handle can be comfortably operated, e.g. from a sitting position.**

- **The bogies ensure easy movement of the Lift&Slide sashes.**
The anti-jemmy device prevents the window sash from being jemmied out in the closed position. It ensures that the window sash cannot be lifted and tipped out of the frame.

Comfortable ventilation for individual requirements: RC 2-tested and thus securely locked even in the ventilation position.

The use of the handle damper in the Lift&Slide gear improves operating safety, particularly with large and heavy elements. Furthermore it provides controlled rebound-free sash-lowering as well as a controlled rotational movement of the turn handle.

Pre-assembly

With the GU-thermostep 164 and 204, a service is available that gives you the opportunity to order a threshold that has been completely cropped to the required dimension, predrilled and pre-assembled.

- No stock keeping of individual parts, so reduced inventory size and warehouse costs
- No offcuts and leftover amounts
- Reduced manufacturing time and costs
- Reduction of errors when cropping to size
- Reduction of errors when calculating and ordering the threshold
- Various pre-fabrication stages
Fascination Lift&Slide
DIRIGENT 4.0 – interior L&S turn handle, with PC hole-type
DIRIGENT 4.0

The Lift&Slide turn handle generation DIRIGENT 4.0 adapts to the design of our DIRIGENT door hardware and offers a high degree of comfort for users with large distance between handle and PC cover.

- High-quality aluminium interior turn handle, with optional PC hole-type
- Exterior flush pull
- Version with fixed concealed 10 mm square
- Distance between screw centres 80 mm
- Optional handle on both sides
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Fixed backplate with friction washer
- Concealed screw connection
- Handle length 240 mm
- Handle height 78 mm
- Available in the finishes EV 1, satin stainless steel, white, cream white, black, brown, titanium colour
Open up all possibilities.

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 gives window fabricators an unlimited range of options. The high-quality hardware systems not only satisfy stringent technical and aesthetic demands, they also make fabrication, installation and warehousing more efficient.
Tilt-before-turn hardware: different handle operation sequence, more security

The standard turn-before-tilt operating sequence normally applies for windows in Germany. For safety reasons, some room usage concepts, in hospitals, schools, residential homes for the elderly or hotels for example, restrict the operation of windows by certain persons. The aim here is to prevent windows from being opened wide accidentally. The tilt-before-turn handle operating sequence is available for these applications. This means the window is already in the tilt position when the handle is at the 90° position. The sash can only be opened fully in the 180° position – which should ideally be secured by a lockable handle.
Secure comfort ventilation with UNI-JET SeClimate RC 2

A tilted window is normally not burglar-proof. In order to be able to ventilate securely when the room is unoccupied, a parallel-projecting hardware has been developed that parks the window 5 mm from the frame all around. The ventilation behaviour of a parallel-projecting window is basically superior to a tilted window because exhaust air is removed at the top and fresh air flows in from the bottom, which results in a healthy indoor climate due to thermal convection. This so-called passive ventilation ensures a continuous supply of fresh air and prevents structural damage, e.g. due to mould forming in the reveals. It also ensures that the windows are sufficiently closed to prevent ingress of rainwater, but are also burglar-inhibiting, reduce noise and provide a high degree of energy efficiency.

Burglar inhibition when ventilating: secure parallel projection provides the same degree of burglar resistance as a closed window. The window also looks closed from the outside, which enhances its burglar-inhibiting properties.

The modular design of the UNI-JET SeClimate parallel-projecting hardware is available in 3 variants:

**UNI-JET SeClimate**: when the handle is turned through 90°, the window projects by 5 mm and when the handle is turned through a further 90° the window can be swung open.

**UNI-JET SeClimate vario**: this variant offers unlimited freedom of choice when ventilating, depending on personal preference, time of year or room situation. The type of ventilation in the 90° handle position can be selected simply by adjusting two strikers on the frame: either secure night ventilation with parallel projection or conventional tilt ventilation with high rate of air exchange.

**UNI-JET SeClimate RC 2**: security with RC 2-tested burglar inhibition and pleasant indoor climate with night ventilation – two requirements that can be reconciled with the UNI-JET SeClimate RC 2.
Window technology
Comfortable secure ventilation

Ventilation restrictor-stay for ample and secure ventilation

Windows are tilted for ventilation. If the windows are large and heavy, a considerable effort is required to do this, which means they not barrier-free. By rotating the construction through 90°, the window can be opened sideways, which reduces the operating forces. The UNI-JET ventilation restrictor-stay holds the window securely in a comfortable ventilation position of 100 mm – also if draughts are present or if a sudden gust of wind occurs. This solution is safe and easy to use, which makes it suitable for projects such as schools, childcare facilities, hospitals and residential homes for the elderly.

The window can also be opened fully, in the same way as a conventional Tilt&Turn window. A lockable Tilt-First handle ensures that only authorised persons (key holders) can do this. The window handle can mounted vertically at any chosen height, or horizontally at the bottom.

The UNI-JET ventilation restrictor-stay provides comfortable and easy operation in compliance with DIN 18040, which makes ample yet secure ventilation possible.
UNI-JET – modular RC 3 system

To provide RC 3 security, only three additional components are required besides the familiar standard components in the UNI-JET range.

- A central locking system for all hinge-sides
- Suitable for all materials with 16 mm hardware groove: PVC, timber and aluminium
- Compatible with all face-fixed and concealed hinge-sides
- Can also be extended to incorporate two-leaf solutions
- No time-consuming additional fabrication measures required
- A corner-drive is always used in combination with a 190 mm long RC 3 extension
- Simplified logistics
Burglaries are among people's greatest fears. How people choose to protect their property against burglary varies greatly depending on age. Young people in particular have more faith in electronic burglar protection than older people, who largely tend to rely on mechanical protection. One thing is certain: if done properly, burglar inhibition works! Systematic security has the greatest potential. The Gretsch-Unitas group offers the right solutions with a comprehensive, harmonised range of products and services.
Comprehensive and convenient – the GU house entrance door concept

Main entrance doors and apartment entrance doors are the most important conduit between one’s private living space and the outside world. Designing them to be attractive while taking account of residents’ individual needs sustainably secures a high level of residential amenity.

The award-winning GU house entrance door concept offers a wealth of intelligent solutions for convenient and controlled domestic access: from release by means of code keypad or finger scanner via opening by radio remote control to integration with Somfy building automation technology.

The GU group’s house entrance door concept offers residents, but fabricators as well, the benefit of a comprehensive plug-and-play package: the unique combination of multi-point lock, power transmission, control and optional swing-door drive is perfectly coordinated. This makes for easier installation and sets new standards for security and convenience at the house entrance door.

Ideal for modernisation and barrier-free construction

Thanks to simplified installation and easy commissioning, the GU group’s house entrance door concept is optimally suited to modernising existing house and apartment entrances. The self-locking lock with motor-driven unlocking even enables barrier-free single doors to be built in compliance with DIN 18040.

Whether new-build, modernisation or barrier-free construction – you can always depend on the certified security of the GU house entrance door concept: meeting VdS class B, it exhibits robust security against break-in and unlocking attempts in combination with fingerprint scanner control.
Interplay of components

Thanks to the combination of multi-point locking, data transmission and door control with fingerprint scanner or code keypads, which is unique on the market, the GU house entrance door concept sets new standards for increased security and convenience in house entrance doors.

The concept is based on the proven GU-SECURY Automatic multi-point lock with electromotive drive. Manual locking is unnecessary with the automatically locking GU-SECURY Automatic, due to the Automatic latchbolt. With the VdS approval, this locking system is ideally suitable for burglar-inhibiting doors.

Power supply unit, lock control and cable links are not necessary because these functions are integrated in the SECUREconnect 200 power and data transmission unit. Dispensing with a cable link does not impose any restrictions on the opening angle of the door leaf, or give rise to scratched profiles. The complete system can be assembled in the workshop and tested as an assembly group. The door leaf can be uninstalled at any time.

Biometric fingerprint detection or the individual access code permit convenient access. They are especially suitable for entrances and secondary entrance doors in residential buildings occupied by several parties, families with children, medical practices and law firms.

For the secure door with biometric access, we also offer our complete solution as a locking system with VdS grade B certification.

The modular principle guarantees the adaptability of further components such as access control technologies, without any changes to the door.

The proven GU house entrance door concept offers plug-and-work complete packages with an extremely wide range of solutions: from the individual door through to complex systems, with or without cables, via radio or smartphone.

Advantages at a glance

- VdS-certified biometric access
- Complete plug &play package
- Diverse solutions: from single door through to complex systems, with or without cables, via radio or smartphone
- The modular principle guarantees the adaptability of further components such as access control technologies, without any changes to the door
The new Automatic double bolt locking type (Automatic-DR) is a further development of the proven GU-SECURY system technology range – the modular faceplate length concept: the new multi-point lock combines an Automatic latchbolt with a hook bolt – which lock automatically in tandem.

Automatically locked twice – doubly secure!
More security

Automatic latchbolt

The mechanical self-locking locking systems by Gretsch-Unitas dispense with the need to actuate the central deadbolt by key. As soon as the door is shut, the Automatic latchbolts automatically throw and the door is locked, no further action is required. Additional locking with the key is only required if the lever handle needs to be blocked from the inside, i.e. when used as a childproof safety device.

Hook bolt

Parallel to the self-locking latchbolts, two additional hook bolts engage in the frame parts and move into the top of the frame, which prevents would-be burglars from levering out the door and also guarantees outstanding functional reliability when lowering the door. The locking elements are secured against being forced back. The system provides you with a secure multi-point locking system which hooks in behind the striker.

Tested and certified.

- Approved to prEN 15685 (locks and hardware – multi-point locks and corresponding latch&deadbolt strikers – requirements and test methods)
- Compatible with RC 2, RC 3 and RC 4 in accordance with EN 1627
- VdS Class C approved in accordance with VdS 2201 (in preparation)

More convenience

Automatically locking

The lock ensures effortless and reliable locking and unlocking of house entrance doors and apartment doors. When the door is pulled shut, the Automatic latchbolts are immediately triggered automatically and activate the hook bolts mechanically. The hook bolts now engage with the frame parts, irrespective of the position of the Automatic latchbolts. When the lever handle is operated to open the door, all locking elements are retracted once again.

Solutions for barrier-free doors

Opening motors can be used to facilitate convenient or even barrier-free opening of doors.

With the GU-SECURY Automatic-DR system with daytime release function, the locking elements can be mechanically locked by the authorised user in the withdrawn position, if required. The door can therefore be opened from the outside without a key.

Additional security

Another option: to provide additional security and as an alternative to door chain or door viewer, the door opening restriction of the safe-T-catch prevents the door from being opened by more than a certain amount.

Ease of use due to access control systems

The GU-SECURY Automatic-DR is compatible with BKS access control systems, such as the house intercom, wall-mounted push-button, card reader, transponder, fingerprint scanner, wireless transponder, that allow only authorised persons to pass through the door.

Compatible with access control systems such as finger scanner, wall-mounted push-button, transponder, etc.
SECURY ePOWER – the multi-point lock for doors with elevated security requirements

Expectations in relation to doors have increased. They need to be secure, comfortable, versatile and durable. It should be possible to incorporate them into an access control system and in escape and rescue routes. They should be barrier-free and tight. The new SECURY ePOWER – the motor-driven multi-point lock by Gretsch-Unitas – satisfies all these requirements.

The new SECURY ePOWER Home has a motor-driven door opening, closing and locking system; a convenient barrier-free solution. The three hook bolts make the door particularly secure, and can therefore be used for door systems that satisfy resistance class RC 2 and RC 3. The motor-driven multi-point lock is equipped with a panic function, can be installed in escape and rescue routes and integrated in an access control system. A changeover to daytime release is a convenient option for doors which are frequently used by the public.

- By means of the motor, convenient locking and unlocking of the door is provided; the high security standard is provided by the sophisticated mechanics.
- The door can be opened from the outside via access control systems, and also of course manually with a key.
- Swing-door drives or door closers of the GU group serve as interface for utmost convenience for practically every application.

The multi-point locks have been proven to be durable and therefore sustainable: they were subjected to more than 200,000 actuation cycles during durability tests.

Advantages at a glance

- Multi-point lock with motor-driven locking and unlocking for use in 1-leaf doors
- Mechanical door release via the locking cylinder is possible at any time
- The door can be integrated into home automation or building management systems in combination with access control systems
- Suitable for use in doors up to resistance class RC 3
- Suitable for timber, steel, narrow stile and PVC door systems (depending on profile)
SECURY ePOWER – the motor-driven multi-point lock with panic function

- **More comfort**
  The multi-point lock is unlocked and locked again by a motor. All of this takes only seconds - quiet, secure and durable. As soon as the door falls shut, the SECURY ePOWER locks the door by motor; unlocking is done using modern access control systems.

- **Security with multi-point locking**
  A third additional lock below the main lock case ensures enhanced burglar protection. Concerning burglar inhibition, this door locking system is categorised in one of the highest security classes.

- **Security with systematic approach**
  The SECURY ePOWER is compatible with all BKS access control systems and is suitable for door automation with GU Automatic swing-door drives.

- **Enhanced security** with the “Controlled daytime release (KTF)” function
  If doors are frequently used, e.g. due to high volume of public traffic, permanent release is possible as standard. In addition to the standard daytime release (TF), we provide the option of controlled daytime release (KTF): this function is electrically activated via a continuous signal (e.g. time switch or key switch). The door remains locked and the additional locking elements are only permanently retracted after the door has been opened for the first time.

- **Versatile use**
  As emergency exit device (EN 179) and as panic exit device (EN 1125), also for use in barrier-free construction (DIN 18040), thanks to motor-driven locking and unlocking.

- **Tested durability**
  Another important aspect in relation to sustainability was demonstrated by durability tests consisting of more than 200,000 actuation cycles (class 7). The dummy-mullion profiles are also made of high-quality stainless steel.

**Lock components**

- Hook bolts – saw-through proof and hook securely into the striker
- Lock case with main latch
- Control unit with monitoring contact
The modern house entrance door – high quality, convenient, secure and tight

The technical features of modern main and secondary entrance doors reflect the increasing demands for burglar inhibition, accessibility and energy efficiency. The GU group gives you a wide range of harmonised high-quality components and comprehensive service.

- **Safe and convenient**
  The new, fully motorised multi-point lock SECURY ePOWER Home opens and locks the door quietly and securely in seconds. Three hook bolts provide high burglar inhibition. The door can be additionally manually locked via the locking cylinder, i.e. when used as a childproof safety device.

- **Configurable via app**
  The biometric fingerprint detection ensures convenient access with no key whatsoever required. The authorisations for master and user finger are managed in a clearly laid out manner via app. The door can also be opened using the app.

- **Barrier-free and tight**
  The new threshold is not only flush with the floor, its system characteristics in relation to tightness, thermal insulation and security have also been tested.

- **High quality appeal**
  Visually appealing hardware, a locking system in keeping with modern day requirements and concealed door hinges and closers – a one-stop service from GU group.
All things door-related

Project door hardware

The project hardware from the GU group does more than simply satisfy the minimum requirements: the durability test according to EN 1906 demands only 200,000 actuations in the highest user category 4. Our project hardware is tested by performing more than 1.5 million actuations.

All models in combination with rosettes, short backplates, long backplates as well as wide backplates are certified and continuously monitored by the Material Testing Institute (MPA) in Dortmund, Germany. They comply with the requirements and test methods of DIN 18273 and can be used on fire and smoke protection doors.

A wide range of push/pull handles and security rosettes are available for exterior doors. In addition to the security hardware in the protection classes ES 1 and ES 3, our product programme also includes ES 1 security rosettes.

The GU group offers you a wide selection of push bars and touch bars for use on 1- or 2-leaf doors in escape and rescue routes.

Even with very large, double-leaf doors, it only takes the slightest pressure on the touch bar during a panic situation to open the entire door element safely and quickly.

Even children, elderly people or people with disabilities will be able to open the door safely and quickly in the event of danger. The door system closes again automatically after passage.

In conjunction with BKS mortise locks and accessories, the touch bars and push bars are approved to EN 1125. Doors in escape routes can be turned into secure entrance doors by combining them with our ES 3 security hardware or the special ES 1 security rosette.

Project hinges for doors in escape and rescue routes

The purpose of escape and rescue routes is to protect and save people. The stringent requirements in relation to functionality and safety require a permanent rotatable connection between door frame and door leaf. Gretsch-Unitas complements the intelligent combination of mechanics and electronics of the locks and door hardware for emergency exit and panic doors with innovative hinge technology for use on elements made of timber, PVC, and metal.

Perfectly compatible components from one source guarantee utmost security.

Certification and security: security is not only the first priority at escape doors. The GU hinges for particularly high loads meet the high requirements up to resistance class RC 3 in different system tests to EN 1627–1630.

System verification for burglar inhibition

Do you need to have the burglar inhibition performance of your door element verified? No problem: we have many solutions for you to choose from with our GU licence for RC 2-tested PVC doors.
Installation material

Professional installation significantly influences the usability of windows and doors over a reasonable usage period. Continued development of structural engineering, in particular as regards building air tightness by reducing unplanned infiltration heat loss, requires air-tight window attachments.

To ensure that all relevant features, standards and regulations are included in planning right from the start, everyone involved in the build – from designers (architects) to executors (workmen), right up to the client – should work as a team for the success of the building project and only use mutually compatible product systems which comply with the standards. The Gretsch-Unitas group offers exactly that: a range of accessory products covering every requirement in the professional installation of windows and doors – and all from a single source.
Sealing systems, building chemicals, fastening technology, glazing technology

Sealing systems
Energy efficiency and sealing with precision: GU provides an extensive range of cutting-edge window and door seals and structural attachments. You will receive expert advice about current guidelines and regulations as well as plenty of useful information and recommendations regarding relevant current standards.

Building chemicals
GU supplies a wide range of mutually compatible building chemicals: everything that you need for the construction, installation and care of windows and doors. It goes without saying that all products are state-of-the-art and comply with applicable standards and guidelines on protecting the environment.

Fastening technology
GU provides products for fastening technology to selected market segments in the building industry that require professional applications in the outer skin of buildings. Users benefit from the high product quality. After all, reliable installation keeps the costs arising from manufacturing errors to a minimum. What’s more, durable quality connections safeguard against costly customer complaints.

Fastening technology for window production: GU supplies exclusively roller-sorted window drilling screws for reliable screw connections in modern window production systems. The GU quality provides a high degree of sorting accuracy and eliminates problems in assembly processes and improves the results of automatic screw installation. This maximises your profitability.

GU assembly screws BE1/BE2/BE4: RC 2 and drop-tested assembly screws for fastening PVC, timber and aluminium windows in masonry, concrete and GU frame for projecting installation
- Burglar-inhibiting (RC2), tested in steel-free PVC windows
- Tested as fastening materials according to ETB directive “Components that safeguard against falling”
- 30 mm edge clearance, tested for concrete, vertical coring brick and lime sandstone

Fastening technology for projecting installation
By using GU supporting consoles and GU frames for projecting installation, structural elements can be mounted in the insulation plane without thermal bridges occurring. GU assembly systems satisfy the demands for load absorption, thermal protection, wind tightness and sound insulation with maximum efficiency.

GU frame for projecting installation
With the low-energy and passive house certified GU frame for projecting installation, structural elements can be mounted in the insulation plane without thermal bridges occurring. Even the installation of large and heavy windows or balcony-doors is possible, because it is tested for a load absorption of up to 579 kg. The door frame is also approved for use as burglary protection in accordance with EN 1627 and RC 2 and it has high performance in sound insulation.
Service – the added value at GU

Comprehensive, reliable and technically up-to-date: with the Tender-Text-Manager, the GU group provides its customers with a convenient and effective online tool that allows them to effortlessly compile technical specifications and complete tender text specifications – for all of GU’s products.

Step by step to the right door solution: with its Door Engineering concept, the GU group developed an efficient method for configuring individual doors. Cross-trade solutions are prepared based on experimental models. The documentation ensures maximum planning reliability based on clearly laid out door configuration lists.

confiGUerator

The right products in the right quantity: the practical confiGUerator is an online platform where part lists and hardware sets can be precisely determined. Based on the specifications for the particular project, a technically correct parts list is generated within seconds. The data is determined based on current conditions and fundamental technical principles.

Hardware data service

Individual, accurate and comprehensive: GU’s hardware data service generates hardware master data as defined in our catalogues or according to the fabricator’s individual requirements. As a result, the customer has access to project-specific hardware data with commercial and technical details.

Tender-Text-Manager

Comprehensive, reliable and technically up-to-date: with the Tender-Text-Manager, the GU group provides its customers with a convenient and effective online tool that allows them to effortlessly compile technical specifications and complete tender text specifications – for all of GU’s products.

Door engineering

Step by step to the right door solution: with its Door Engineering concept, the GU group developed an efficient method for configuring individual doors. Cross-trade solutions are prepared based on experimental models. The documentation ensures maximum planning reliability based on clearly laid out door configuration lists.
A product on its own is not a solution. The correct level of security, function and cost effectiveness can only be achieved with the right planning and by ensuring correct application. The GU group therefore also applies the systematic thought processes demonstrated in its product range to its service offering. This involves close interlinking of one-to-one expert advice, free online support and a comprehensive programme of technical seminars. The GU group offers systematic service, from planning through to assembly.

Planning support

The basis for successful construction projects: The GU group provides architects, planners, facility management specialists and investors with comprehensive support in the planning phase. In close collaboration with the customer, comprehensive cross-trade concepts tailored to the individual building requirements are developed. These take into account the safety of the building and occupants and barrier-freedom comfort and aesthetics in equal measure.

Building project consulting

Simplifies everyday work: building project consulting assists architects and planners with project-specific drawings and door schedules, cable diagrams and tender specifications or conceptual designs with functional descriptions, for example. Well thought out and coordinated system solutions guarantee functionality and compliance with the required standards and directives in the door management.

Seminars and training courses

Practical knowledge based on first hand experience: with around 160 events annually the GU group offers an extremely wide range of seminars and training courses. The programme includes product innovations and their applications, current architectural trends and standards and directives. Several seminars and training courses are certified and recognised as advanced training courses by the chamber of architects and civil engineers in Germany.

Licences and CE

Maximum security as standard: The GU group is a CE licenser for windows and balcony-doors and can undertake the CE certification on your behalf thus saving you time and effort in your day-to-day business.