GU-SECURY system technology for the modern main and apartment entrance door
GU-SECURY multi-point locks

Individual security systems for individual door situations

General information
Doors present special challenges with regard to burglar resistance, fire protection, impermeability and accessibility. Gretsch-Unitas multi-point locks tackle these challenges head on: with additional locking elements at the top and bottom area of the door and individual solutions for any installation situation – from manual versions for secondary entrance doors and automatic locking systems for main entrance doors through to multi-point locks with panic function for heavy-duty project doors. The products of the group provide tailor-made solutions for the entire range of applications.

Door technology for comfortable and secure door functions
The Gretsch-Unitas group offers everything that ensures the smooth and trouble-free interplay between functional components: a broad selection of products, technical innovations, excellent quality and comprehensive services. This also of course includes competent, technical advice – simply get in touch with us!

Multi-point locks by Gretsch-Unitas are synonymous with multiple security! Installing "security" on exterior doors or interior doors and facade doors is very simple: with GU-SECURY multi-point door locks you receive a security system customised to your individual entrance situation, regardless of whether it is for a timber, steel, aluminium or PVC door.
The flexible GU-SECURY multi-point locking system – only ONE of MANY sides

1. Additional lock
   Version depends on locking system

2. Safe-T-catch (optional)
   Built-in door catch mechanism, easily operated from the inside via thumbturn; can be released from the outside via cylinder

3. Lock case
   Fully enclosed for optimum protection of the interior functional components. With fixing holes for backplate or round rosette

4. Latch
   rh/lh reversible. Variant for fire protection doors available as an option

5. Follower
   Receives the square spindle of the lever handle without any play and provides for reliable lock operation. Variant for fire protection doors available as an option

6. Deadbolt
   2-turn with a total deadbolt throw of 20 mm or 1-turn with 20 mm deadbolt throw, depending on the locking system

7. Cylinder hole
   For profile cylinder or round cylinder Ø 22 mm

8. A-opener and A-opener servo (optional)
   Facilitates electric motor-driven opening of the door with the self-locking GU-SECURY multi-point locking systems

9. Faceplate
   ferGUard galvanised, painted or stainless steel

10. Additional lock
    Version depends on locking system
Greatly enhanced security and comfort using systematic approach

Nowadays, door fabricators must be flexible in order to satisfy the wide range of end customer requirements. In view of the security and comfort requirements as well as the design constraints and associated variation in door heights that exist today, particularly specialised demands must be met.
Gretsch-Unitas has developed the GU-SECURY system technology in response to the increasing demands of door fabricators. This makes it possible to adapt the GU-SECURY multi-point locking system in a modular fashion to the particular requirements and to use a multi-point locking system which provides enhanced security and comfort. In addition, the new faceplate extensions for multi-point locks, one-piece strikers and lever-operated gears significantly increase the scope of application of SECURY products in 1 and 2-leaf doors.

**Application range**

GU-SECURY system technology is suitable for all timber, PVC and aluminium or steel door systems. Based on a standard faceplate length of L = 1750 mm, all additional components are configured on the leaf and frame side for single and double-leaf door systems.

**The benefits of GU-SECURY system technology – systematic product diversity**

Flexible use of standard, comfort and panic versions of SECURY products with unchanged positioning of locking points due to:

- Standard faceplate length \( A \) with square-edged or (with flat faceplates) rounded faceplate end for different profile systems
- Modular use of faceplate extensions with and without additional lock \( B / C \) for door-leaf rebate heights greater than 2.50 m or to achieve an uninterrupted faceplate view
- Standard milling positions of additional locks irrespective of lock type
- Standard latch&deadbolt striker lengths, mounting holes and deadbolt cutouts of latch&deadbolt strikers

The GU-SECURY Automatic and SECURY 19 and SECURY 21 self-locking locking systems can always be combined with a \( D \) Gretsch-Unitas opening motor.

With variants of multi-point locking systems equipped with safe-T-catch, the safe-T-catch is generally seated 300 mm \( E \) above the centre of the follower.
GU-SECURY system technology
for 1-leaf and 2-leaf doors

1-leaf door

Active leaf:
1 = GU-SECURY multi-point lock
1b = Faceplate extension with or without additional lock
2 = Variant with safe-T-catch
optional:
3 = A-opener or A-opener servo

Passive leaf:
2 = Lever-operated gear
3 = Striker, top
4 = Bottom striker (system threshold)
5 = Shoot-bolt unit, top/bottom
5a = Extended shoot-bolt unit, top

On the frame side of 1-leaf doors it is possible to use a latch&deadbolt striker and top and bottom strikers or, alternatively, a one-piece striker. Locking systems for door heights greater than 2.50 m can be implemented using individual accessories (strikers) or faceplate extensions for one-piece strikers.

The GU-SECURY multi-point locks for 1-leaf and 2-leaf doors can be extended to different lengths using faceplate extensions with or without additional lock, depending on the door situation.

2-leaf door

Active leaf:
1 = GU-SECURY multi-point lock
1b = Faceplate extension with or without additional lock
2 = Variant with safe-T-catch
optional:
3 = A-opener or A-opener servo

Passive leaf:
2 = Lever-operated gear
3 = Striker, top/bottom
4 = Extended shoot-bolt unit
5a = Extended shoot-bolt unit, top

Shoot bolts or lever-operated gears can be used in the passive leaf of double-leaf doors.

Until now with locking systems higher than 2.50 m it was only possible to use door shoot bolts. The new system solution now allows the option of using a faceplate extension for lever-operated gears.
### The system components for 1-leaf and 2-leaf doors

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<td>Variant with safe-T-catch (only available in combination with a shoot bolt for 2-leaf doors)</td>
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GU-SECURY system technology
The right locking system for every door

For 2-leaf doors (passive leaf)
- Lever-operated gear
- Shoot bolt

For 1-leaf doors (frame side)
- One-piece strikers
- Strikers and latch&deadbolt strikers

Door height > 2.00 m
Door height ≤ 2.00 m
Overview of product diversity

For 1-leaf and 2-leaf doors (active leaf)

Multi-point locks/lock types

Multi-point locks/lock types

Faceplate extensions

GU-SECURY MR 2
GU-SECURY SH 2
GU-SECURY DB
GU-SECURY Automatic
GU-SECURY Automatic4
GU-SECURY Automatic3
GU-SECURY Automatic6

Door height > 2.00 m
Door height ≤ 2.00 m

1750 mm
760 mm
730 mm

GU I WP00336-04-2-2 I 04/2015
GU-SECURY system technology

Key-operated locking systems

Massive bolt (MR)

The GU-SECURY MR system provides you with a multi-point lock which is protected from being forced back – with two or four MR bolts depending on the requirements. Owing to the lock geometry, the same frame locking components used with the GU-SECURY Automatic system can also be used here. The MR bolts are extremely resilient: a hardened steel insert means they cannot be sawn through.

"Solidly locked!"

GU-SECURY MR 2
(with 2 MR bolts)

Hook bolt (SH)

The GU-SECURY SH system provides you with a multi-point locking system which is saw-through proof and hooks in behind the striker – it comes with either two or four SH bolts that move upwards when locked. This arrangement prevents the SH bolt from coming down on the striker if the door is lowered.

"Securely locked with SH bolts!"

GU-SECURY SH 2
(with 2 SH bolts)

Double bolt (DR)

The GU-SECURY DR multi-point lock rolls the benefits of the SH bolt and MR bolt into one 'double bolt'. Owing to the lock geometry, the frame locking elements of the GU-SECURY Automatic 4 system (with Automatic double latch-bolt) can also be used here.

"Two are better than one!"

GU-SECURY DR
(with 2 double bolts)

GU-SECURY multi-point locking systems are RC 2 to RC 3-tested in different door systems.

GU-SECURY MR 2
(with 2 MR bolts)

GU-SECURY SH 2
(with 2 SH bolts)

GU-SECURY DR
(with 2 double bolts)
Lock types

Self-locking locking systems

The convenient locking system GU-SECURY Automatic, e.g. for main and apartment entrance doors. Simply allow the door to fall shut: as soon as the door is shut, the automatic latchbolts automatically throw 20 mm and are secured to prevent them being forced back – the door is locked when just pulled shut. These locking systems can be opened at any time via the door handle from the inside and by key from the outside.

"Insured with the door just pulled shut!"

Automatic latchbolt

Automatic latchbolt and daytime release function

Do you need security and comfort and also want to be able to turn the automation off when at home? The GU-SECURY AutomaticTE system with daytime release function enables you to manually override the automatic locking function, if for example you wish to ensure that the door is permanently released during the day (the automatic latchbolts are held in place when retracted). For a functional description go to www.tagesentriegelung.de.

Automatic double latchbolt

The particularly robust, self-locking system GU-SECURY Automatic4 or Automatic6, e.g. for main and apartment entrance doors. Two MR bolts and two automatic latchbolts automatically throw 20 mm when the door is pulled shut and are secured against being forced back.

Automatic-Panic

The GU-SECURY Automatic version is ideal for timber and steel doors which have to meet exacting standards in terms of burglar protection, fire protection and escape door suitability; tested in door systems to EN 179 and 1125

GU-SECURY Automatic
(with 2 Automatic latchbolts)
VdS approval class A

GU-SECURY AutomaticTE
(with 2 automatic double latchbolts)
VdS approval class A

GU-SECURY Automatic4
(with 2 automatic double latchbolts)
VdS approval class B

GU-SECURY Automatic6
(with 3 automatic double latchbolts)
VdS approval class B

GU-SECURY Automatic-Panic
(panic function E for 1-leaf door systems)

SECURY 19 for narrow stile door systems (panic function B, C or E)

SECURY 21 for timber door systems (panic function B, C or E)

GU-SECURY multi-point locking systems are RC 2 to RC 3-tested in different door systems.

RC-tested to
DIN EN 1627 – 1630

GU-SECURY Automatic
(with 2 Automatic latchbolts)
VdS approval class A

GU-SECURY Automatic3
(with 3 Automatic latchbolts)
VdS approval class A

GU-SECURY Automatic-Panic
(panic function E for 1-leaf door systems)

SECURY 19 for narrow stile door systems (panic function B, C or E)

SECURY 21 for timber door systems (panic function B, C or E)
GU-SECURY system technology
One-piece strikers, latch&deadbolt strikers and strikers for 1-leaf doors

For 1-leaf doors

One-piece strikers

The faceplate view is continuous which ensures a high-quality design. The one-piece striker makes installation in the door frame easier.

Standardised latch&deadbolt strikers for all SECURY multi-point locks and BKS mortise locks

- The new latch&deadbolt strikers are based on standard latch&deadbolt striker lengths, mounting holes and deadbolt cutouts
- Uniform striker length of 216.5 mm
- Deadbolt cutout with standard W x H = 12.25 mm x 62 mm and universal deadbolt cover
- For timber, PVC, aluminium and steel door systems
- As the deadbolt cutout has been standardised, a deadbolt monitoring contact set can be installed

Examples for:
- GU-SECURY Automatic6
- GU-SECURY Automatic3
- GU-SECURY Automatic

Latch&deadbolt strikers

New aesthetics with uniform deadbolt cutout. Equipped as standard with interchangeable latch piece.

Strikers

The comprehensive GU-SECURY accessories for additional locking point at top and bottom, also adjustable if required.
For 2-leaf doors

Lever-operated gear

The lever-operated gear for convenient locking and unlocking of the passive leaf for the GU-SECURY Automatic, MR2, SH2 and DR locking systems

System benefits

- Simple installation
- Simultaneous upwards and downwards shoot bolt protrusion
- Burglar-inhibiting:
  - the active leaf can only be locked if the rebate lever is closed
  - if the rebate lever is tampered with, the pre-locked additional deadbolts prevent the door from being opened
  - RC 2-tested in different door systems to DIN EN 1627 – 1630
- User-friendly due to ease of operation
- Variable shoot bolt protrusion to cater for different constructional situations
- Can be used for all standard axes
- Can be combined with electric strike
- NEW with operating lever ABOVE the central lock area

Examples for:
GU-SECURY Automatic6
GU-SECURY Automatic3
GU-SECURY Automatic

Top shoot bolt

An alternative to the lever-operated gear for locking the passive leaf at the top

Bottom shoot bolt

An alternative to the lever-operated gear for locking the passive leaf at the bottom. With and without integrated striker
GU-SECURY system technology
Extensions pieces, faceplate extensions and covers for multi-point locks

For multi-point locks

Top extensions pieces

Bottom extensions pieces

Faceplate extensions at top

Optional accessories for obtaining a continuous faceplate view upwards

Optional accessories for obtaining a continuous faceplate view downwards

Faceplate extension with an additional lock, variable depending on door height (with additional locking point at +300 mm, +500 mm or +800 mm per lock system type)

Clamping part

Round end piece

Bevelled end piece

For the cover of the upper edge of the faceplate

For the cover of the upper edge of the faceplate

For the cover of the upper edge of the faceplate
For one-piece strikers

Top extensions pieces

Optional accessories for obtaining a continuous faceplate view upwards

Bottom extensions pieces

Optional accessories for obtaining a continuous faceplate view downwards

Faceplate extensions at top

Faceplate extension for an additional lock, variable depending on door height (for additional locking point at +300 mm, +500 mm or +800 mm per lock system type)
GU-SECURY system technology
Extensions, strikers and deadbolt covers for lever-operated gears

For lever-operated gears

Shoot-bolt units

Extended shoot-bolt units at top

Shoot bolt stabilisers

Shoot-bolt units with different lengths for top and bottom connection to the lever-operated gear

Extended shoot-bolt unit and striker for additional lock, variable depending on door height (for additional locking point at +500 mm or +800 mm per lock type)

In the case of PVC profiles, the optional shoot bolt stabilisers can be used at the top and bottom of the passive leaf to enhance rigidity at the corners.

Striker, top

Bottom striker

Deadbolt cover
GU-SECURY system technology
Safe-T-catch, A-opener and A-opener servo

For multi-point locks

Safe-T-catch

The locking system with built-in door catch mechanism and convenient operation via thumbturn. Particularly suitable for apartment entrance and main entrance doors in one-family houses.

System benefits

- No face-fixed lock and no chain
- Can be locked and unlocked from the inside via the thumbturn
- The safe-T-catch which is activated from the inside can be deactivated from the outside via the locking cylinder
- Usable for DIN LH/RH (non-handed)
- Available in all standard backsets (from backset = 35 mm) and adapted to the backsets of the main lock case

Safe-T-catch activated from the inside

The safe-T-catch is easy and convenient to operate via the thumbturn

A-opener

Self-locking GU-SECURY multi-point locks can be equipped with an optional opening motor.

The locked door is unlocked remotely, e.g. via the push-button of the main entrance door intercom or via the push-buttons in different apartments. To do this, a pulse is sent then the automatic latchbolt of the multi-point lock is retracted by a motor. Any access control system, a contact-free system with an electronic key (transponder), a door code keypad or a finger scanner, for example, can be combined on the outside. The door can also be opened mechanically by inserting the key in the locking cylinder.

When installed with an A-opener, the locking system is suitable for barrier-free construction to DIN 18040.

A-opener servo

The ignition lock for the main entrance door!

The door is opened in a similar manner to starting a car by turning the key only very slightly in the locking cylinder A or by lightly tapping the lever handle B. This activates the opening motor and the automatic latchbolt of the GU-SECURY multi-point locking system is retracted by an electric drive.

The GU A-opener servo allows doors to be opened easily and comfortably, even in cases where high operational forces would be required; as a result of varying gasket pressure due to weather effects or in very high door types where several locks must be retracted, for example.

Particular attention should also be paid to downward compatibility: GU door opening motors can therefore be retrofitted to all "GU-SECURY" self-locking multi-point locks.
Systematic Service

Planning assistance
The basis for successful construction projects: the GU Group provides architects and planners with comprehensive support at the planning stage. In close collaboration with the customer, comprehensive cross-trade concepts tailored to the individual building requirements are developed. These take the safety of the building and its occupants and barrier-freedom comfort and aesthetics equally into account.

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.

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 including cable management are prepared based on function specimens. The documentation ensures maximum planning certainty by providing clearly laid out door configuration lists.

Hotline for architects
If you have any planning questions or require detailed information on the products of the GU Group: the building project consultants at the hotline for architects can provide expert advice directly: by telephone +49 (0)2051/201-2000, e-mail objektberatung@g-u.de or can also be contacted using the form at the company website.

All aspects covered: from hotline for architects to drawings
A product alone is still not a solution. The correct level of security, functionality 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. Close interlinking of one-to-one expert advice, free online support and a comprehensive programme of technical seminars makes the day-to-day work of customers easier.

**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 subjects dealt with include, for example, product innovations and their applications, current architectural trends and standards and directives. The seminars and training courses are certified and recognised as advanced training courses by the chamber of architects and civil engineers in Germany.

**Licenses and CE**
Maximum security as standard: as system provider for CE certification of windows and balcony-doors, the GU Group offers a one day training course at its headquarters in Ditzingen. Participants acquire a certificate and are subsequently authorised as licensee and license partner to carry the CE mark. Customers can therefore label their windows and balcony-doors according to the product standard 14351-1 CE without having to carry out the tests themselves.

**Tender-Text-Manager**
Comprehensive, legally sound and technically up-to-date: with the Tender-Text-Manager, GU Group is offering architects and planners a convenient and effective online tool that allows them to effortlessly compile technical specifications and complete tender specifications – for all GU Group products.

**Customer Information System**
Available at the click of a mouse: the Customer Information System is an ordering and information system for all Gretsch-Unitas products. Customers can use the online platform 24 hours a day 7 days a week to access important information: from preparing a quotation through to performing an availability check in real time, from placing the order to order tracking.