



WINDOW TECHNOLOGY  
DOOR TECHNOLOGY  
AUTOMATIC ENTRANCE SYSTEMS  
BUILDING MANAGEMENT SYSTEMS



DOOR TECHNOLOGY

## GU-SECURY system technology for the modern main and apartment entrance door

New: GU-SECURY Automatic 6

New: A-opener servo

Securing technology for you



# 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. Gretschn-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 Gretschn-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 Gretschn-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.

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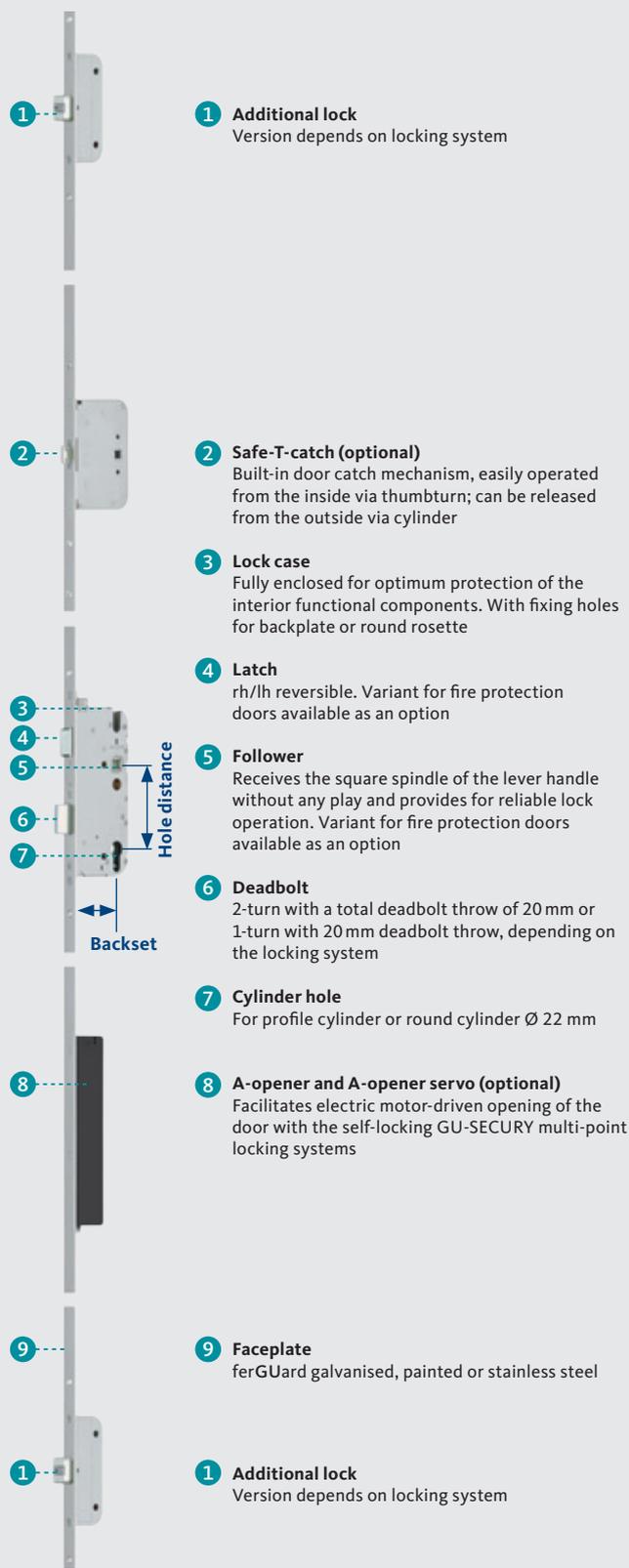
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## The flexible GU-SECURY multi-point locking system – only ONE of MANY sides



## 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  $L = 1750 \text{ mm}$ , all additional components are configured on the leaf and frame side for single and double-leaf door systems.

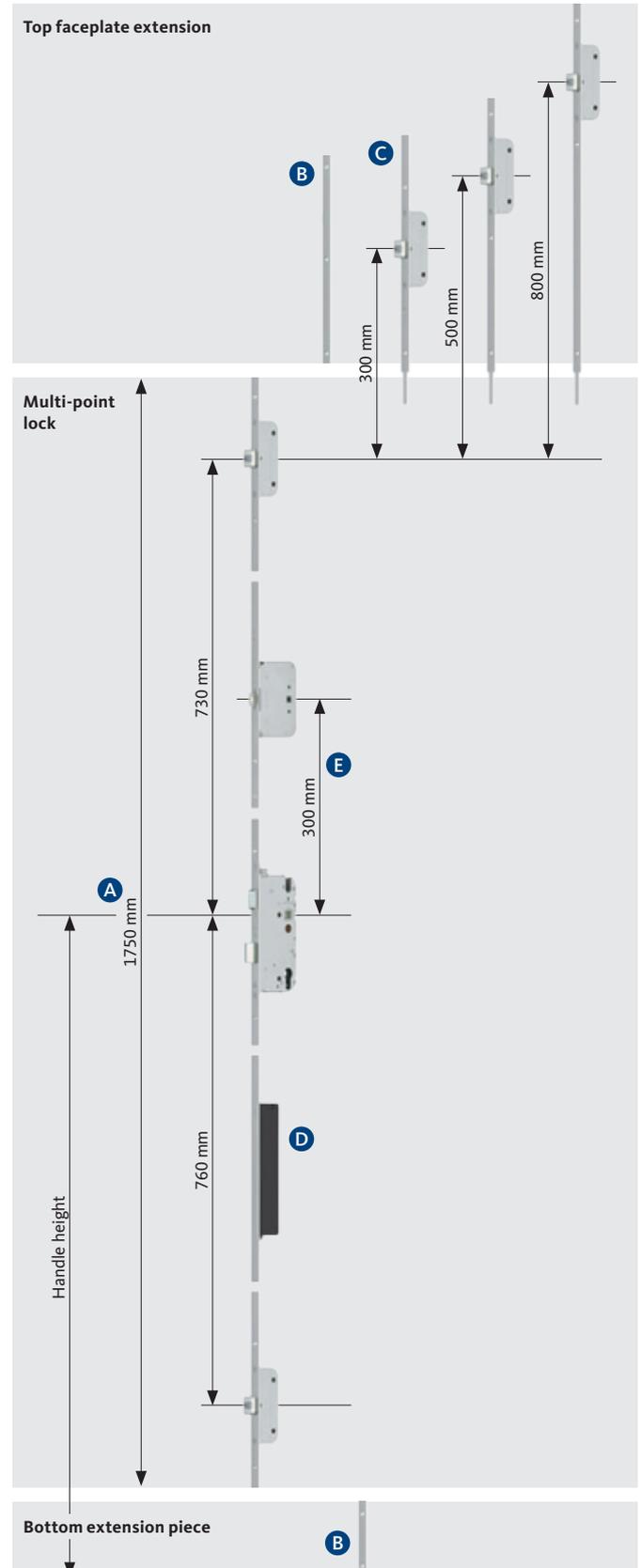
### The benefits of GU-SECURY system technology – systematic product diversity

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  $2.50 \text{ m}$  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  $300 \text{ mm}$  **E** above the centre of the follower.



# GU-SECURY system technology

for 1-leaf and 2-leaf doors

## 1-leaf door



### Frame side:

- 2 = Striker
- 3 = Striker
- alternative:
- 4 = one-piece striker
- 4a = Faceplate extension for one-piece striker

### Active leaf:

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

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



### 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

### Active leaf:

- 1 = GU-SECURY multi-point lock
- 1a = Faceplate extension with or without additional lock
- 2 = Variant with safe-T-catch (only in combination with a shoot bolt)
- optional:
- 3 = A-opener or A-opener servo

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

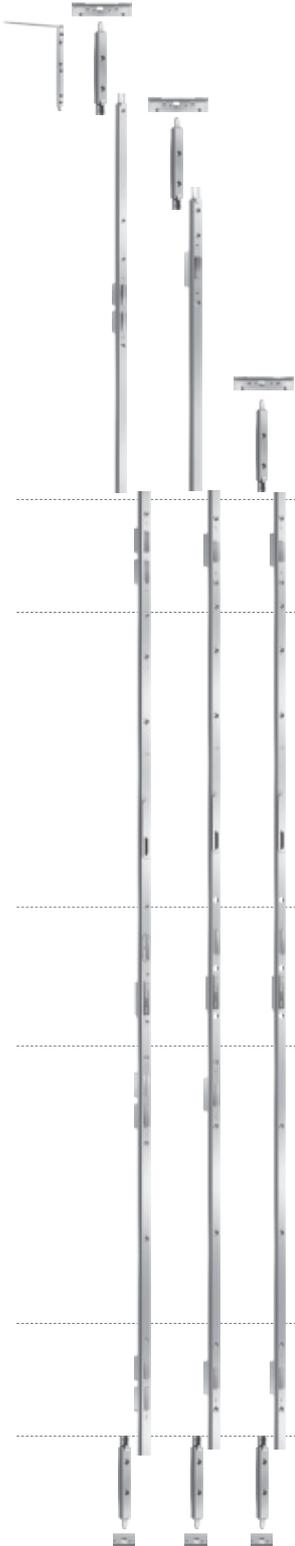
	Frame side, 1-leaf door	Passive leaf, 2-leaf door	Active leaf, 1-leaf and 2-leaf door
Door height > 2.00 m	<p>4a Faceplate extension for one-piece striker</p> <p>2 Additional striker</p>	<p>3 Striker, top</p> <p>5 Shoot bolt unit, top</p> <p>5a Extended shoot-bolt unit, top</p>	<p>1a Faceplate extension with or without additional lock</p>
Door height ≤ 2.00 m	<p>4 One-piece striker as alternative to latch&amp;deadbolt striker plus strikers</p> <p>2 Striker for additional locking point at top</p> <p>3 Latch&amp;deadbolt striker supplied with interchangeable latch piece or prepared for electric strike</p> <p>2 Striker for additional locking point at bottom</p>	<p>3 Striker, top</p> <p>5 Shoot bolt unit, top</p> <p>2 Lever-operated gear for 2-leaf doors</p> <p>5 Shoot-bolt unit bottom</p> <p>4 Bottom striker (system threshold)</p>	<p>1 GU-SECURE multi-point lock</p> <p>2 Variant with safe-T-catch (only available in combination with a shoot bolt for 2-leaf doors)</p> <p>3 Optional: A-opener or A-opener servo</p>

# 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

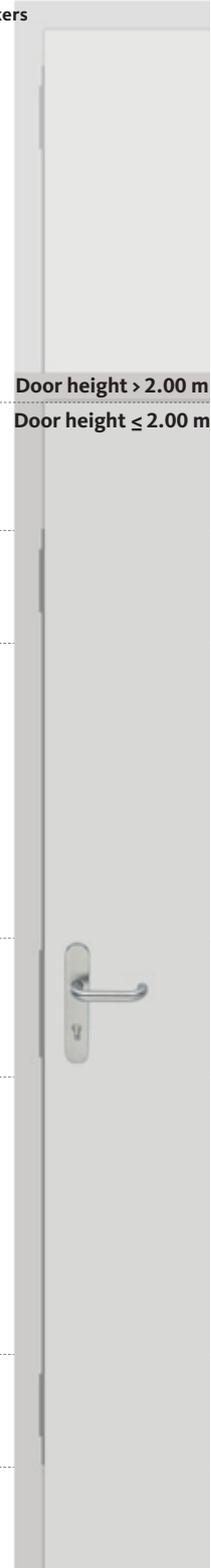


### Strikers and latch&deadbolt strikers

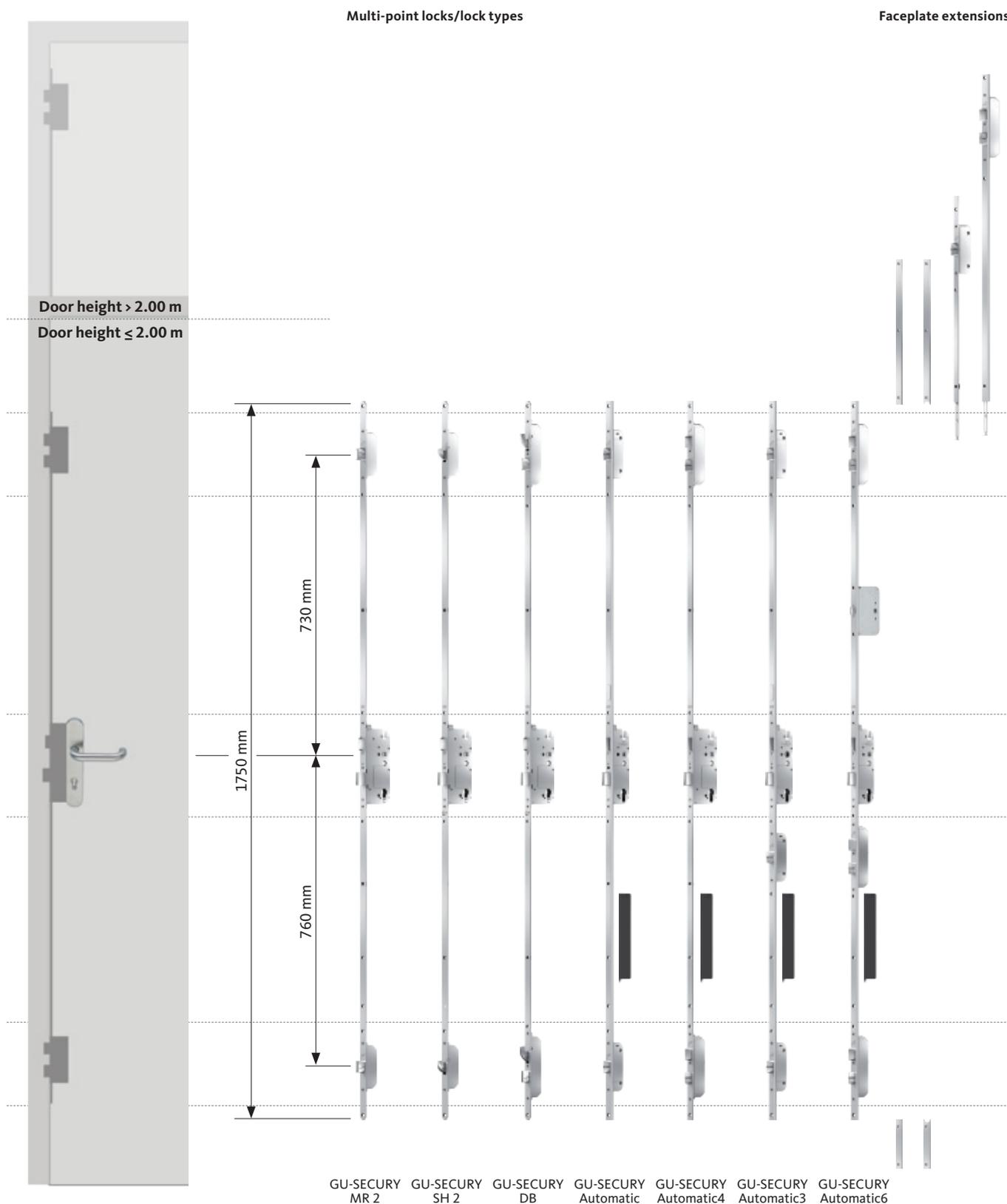


Door height > 2.00 m

Door height ≤ 2.00 m



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



# 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)

## Self-locking locking systems



## Emergency exit and panic door locking systems to EN 179 and EN 1125

### Automatic latchbolt

The convenient locking system GU-SECURITY 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!"

- GU-SECURITY Automatic (with 2 Automatic latchbolts) VdS approval class A
- GU-SECURITY Automatic3 (with 3 Automatic latchbolts) VdS approval class A

### 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-SECURITY 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](http://www.tagesentriegelung.de).



- GU-SECURITY AutomaticTE VdS approval class A

### Automatic double latchbolt

The particularly robust, self-locking system GU-SECURITY 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.

- GU-SECURITY Automatic4 (with 2 automatic double latchbolts) VdS approval class B
- GU-SECURITY Automatic6 (with 3 automatic double latchbolts) VdS approval class B

### Automatic-Panic

The GU-SECURITY 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-SECURITY Automatic-Panic (panic function E for 1-leaf door systems)
- SECURITY 19 for narrow stile door systems (panic function B, C or E)
- SECURITY 21 for timber door systems (panic function B, C or E)

RC-tested to  
DIN EN 1627 – 1630

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

# GU-SECURY system technology

One-piece strikers, latch&deadbolt strikers and strikers for 1-leaf doors

## For 1-leaf doors

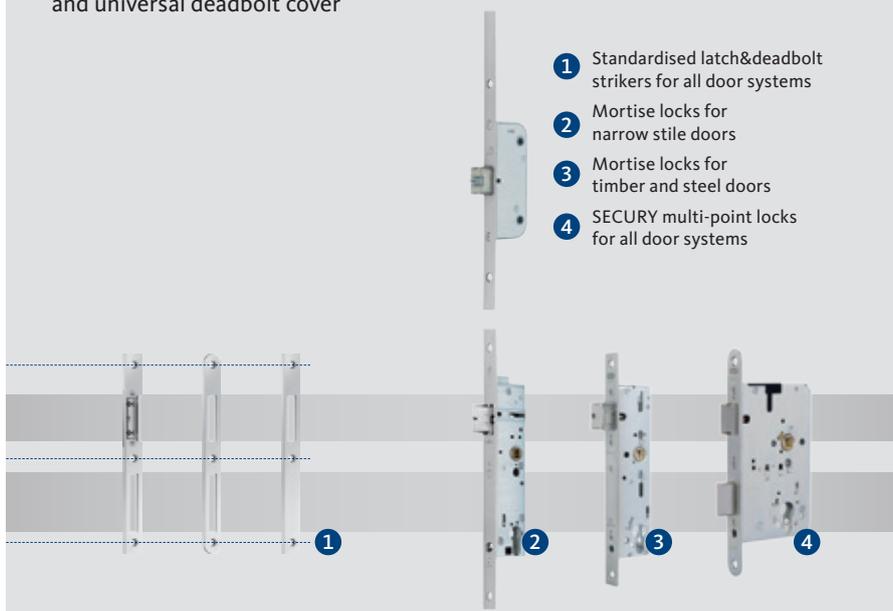
### One-piece strikers



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  $W \times H = 12.25 \text{ mm} \times 62 \text{ mm}$  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

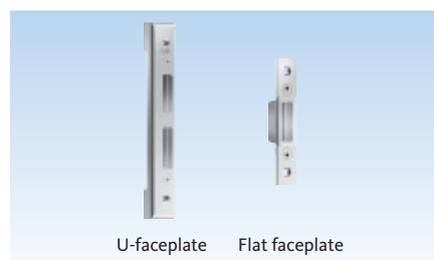


### Latch&deadbolt strikers



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

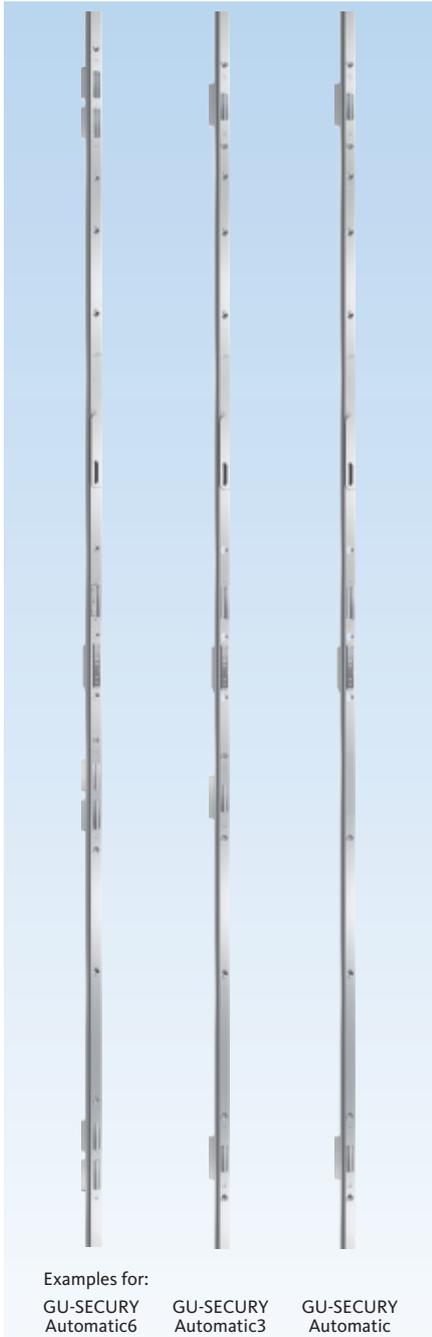
### Strikers



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

#### Top shoot bolt



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

#### Bottom shoot bolt



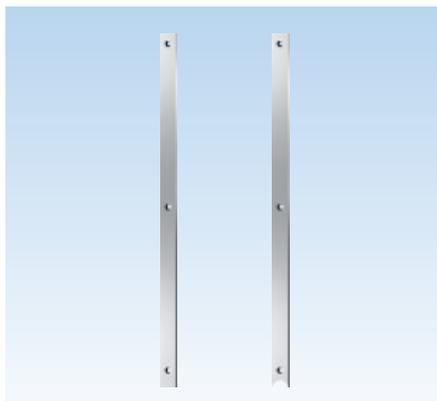
An alternative to the lever-operated gear for locking the passive leaf at the bottom. With and without integrated striker

# GU-SECURY system technology

Extensions pieces, faceplate extensions and covers for multi-point locks

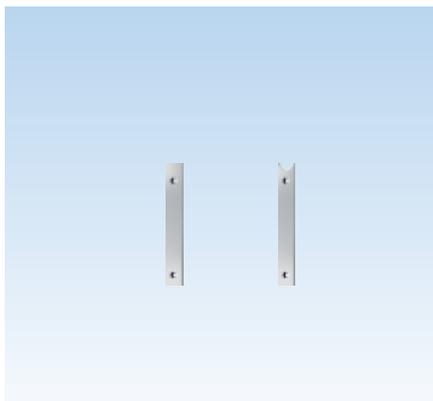
## For multi-point locks

### Top extensions pieces



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 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



For the cover of the upper edge of the faceplate

### Round end piece



For the cover of the upper edge of the faceplate

### Bevelled end piece



For the cover of the upper edge of the faceplate

### For one-piece strikers

#### Top extensions pieces



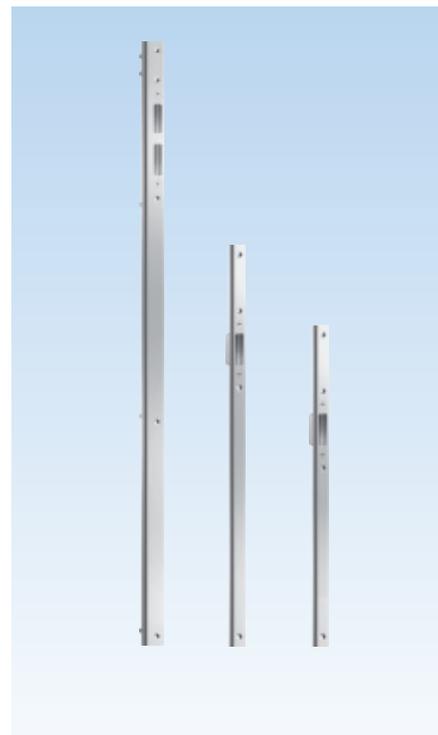
Optional accessories for obtaining a continuous faceplate view upwards

#### 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



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

### Extended shoot-bolt units at top



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)

### Shoot bolt stabilisers



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



### For multi-point locks

#### Safe-T-catch



Safe-T-catch activated from the inside

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



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



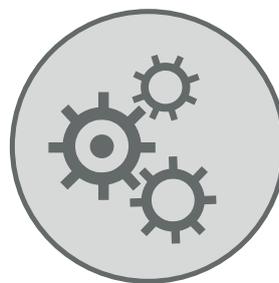
### Planning assistance

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-free 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

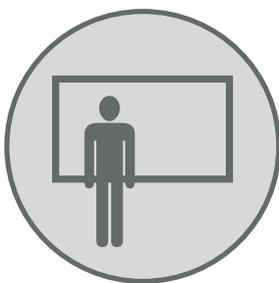
Step by step to the right door solution: with its Door Engineering concept, the GU Group developed an efficient method for configuring individual doors. Cross-trade solutions including cable management are prepared based on function specimens. The documentation ensures maximum planning certainty by providing clearly laid out door configuration lists.



### Hotline for architects

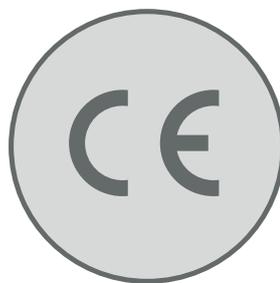
If you have any planning questions or require detailed information on the products of the GU Group: the building project consultants at the hotline for architects can provide expert advice directly: by telephone +49 (0)2051/201-2000, e-mail [objektberatung@g-u.de](mailto:objektberatung@g-u.de) or can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

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.



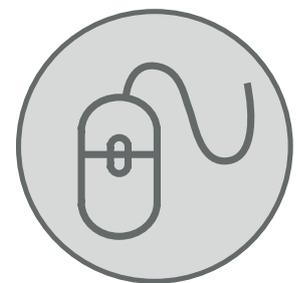
#### **Licenses and CE**

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.



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AUTOMATIC ENTRANCE SYSTEMS  
BUILDING MANAGEMENT SYSTEMS

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