



WINDOW TECHNOLOGY  
DOOR TECHNOLOGY  
AUTOMATIC ENTRANCE SYSTEMS  
BUILDING MANAGEMENT SYSTEMS



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INFORMATION FOR ARCHITECTS, PLANNERS AND BUILDING OPERATORS



Security combined with convenience –  
intelligent solutions for access control

Securing technology for you



# Systematic Service

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A building is only really secure when authorised access is reliably regulated. To achieve this, architects, planners and fabricators rely on intelligent technical solutions from the Gretsch-Unitas group of companies: as one of the international market leaders for window and door technology as well as automatic entrance and building management systems we are the competent partner for mechanical and electronic access control – from a house entrance door concept to a property's complex master key system. Our expertise is founded in the 100-year old tradition of our family-owned company, which has always stood for innovation, progress and cost-effectiveness. True to our guiding principle “Securing technology for you” we support our clients from the planning stage to implementing authorised access, whether for a new build, retrofit or reordering components. We have put together a few examples of this here in this brochure – and there are many more options besides: get in touch with us and together we will find the optimal solution for you.



Kab GmbH Fellbach

The Gretsch-Unitas Group: a traditional family-owned company for more than 100 years



Security has a name: BKS is a part of the GU Group and one of the leading companies in the locking technology field

Securing technology for you





# Welcome to superior security and convenience.

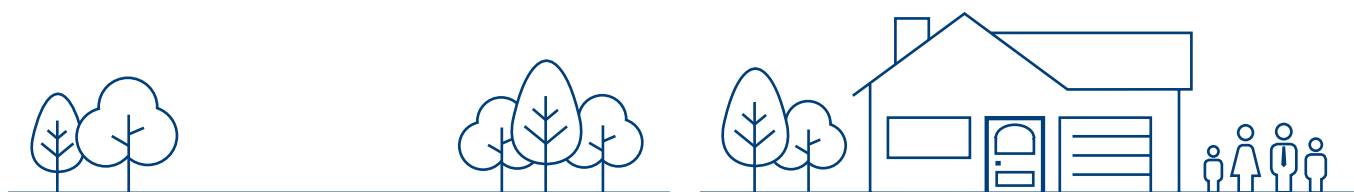
Basically, a good access control system operates like a doorman. He ensures security and convenience by refusing access to unauthorised persons while extending a cordial welcome to those who are authorised. The GU Group, with BKS as one of its traditional brands, has stood for safe and convenient building access for over 100 years – to the delight of architects, planners and building operators, fabricators and lock and security equipment stores.







**Door open or door closed?** A simple question at first glance. But when the subject is access control, there are other important decisions to be taken as well: are we talking about one door or several? Will access be mechanical using a key or electronic? How can access authorisation be efficiently controlled – and is that even cost-effective and future-proof?



## Single-door solutions

### Mechanical access control

- Mechanical locking systems: BKS's modern reversible key systems are the safe bet when deciding on mechanical access control. Every registered key biting is unique and only authorised persons can copy keys. More information from page 10 onward.

### Electronic access control

- The GU house entrance door concept: the GU Group offers a comprehensive plug-and-play package for convenient building access. The preadjusted door only has to be connected to the electrical power supply in the building, and is controlled by a code or fingerprint scanner. The house entrance door set comprising lock, power and data transmission unit and fingerprint scanner, has been certified as a grade B locking system by the VdS. More information from page 12 onward.

It's good to be able to rely on a competent and experienced partner on a subject such as access control. A partner like BKS. As a member of the GU Group and one of the foremost companies for locking technology and security, BKS is the specialist for regulated building access – and has been for more than 100 years.

Given the wide array of access control systems, what's needed is to maintain an overview. Which is why the GU Group has put this brochure together. It covers and explains both mechanical and electronic single and multi-door solutions. Especially for manufacturers of security systems, the brochure also presents the portfolio of release devices. Welcome to the world of access control.

## 100 years of access control – the milestones

1903

Founding of BKS in Solingen

1979

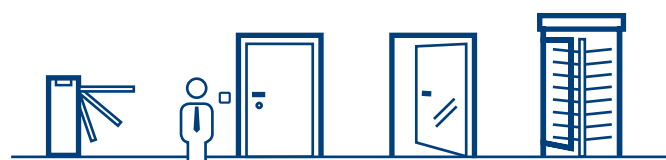
SECURY multi-point lock

1938

Round cylinder: the world's first modular lock cylinder system

1989

ESI cylinder: first electronic cylinder – 25th anniversary in 2014.



## Multi-door solutions

### Mechanical access control

- Master key systems: high-quality locking systems by BKS introduce an element of security, flexibility and convenience to the building. The product portfolio is augmented by comprehensive services for planning, ordering, administration and programming of master key systems. More information from page 16 onward.

### Electronic access control

- Electronic locking systems: ixalo – the electronic locking system of BKS is the ideal solution for combining the flexible use of space with high building security. Wireless solutions enable individual door access rights to be changed and assigned at any time. More information from page 18 onward.
- Electronic access control system: administer and control, log and change access authorisations with GEMOS *access* – centrally and in real time. The wired access control system is the right solution for efficiently satisfying complex requirements. More information from page 20 onward.

## Release devices

### Mechatronic locking elements

- Wired locking systems: self-locking locks, multi-point locks and electric strikes
- Wireless locking systems: radio-controlled electrically coupled cylinders and locks

### Controlled single-person access

- 3-arm turnstile: simple access control and people counter
- Turnstile: in different versions and heights
- Swing gate: barrier-free access for all
- Sensor barrier: ideal for busy entrances
- Full-height turnstile: secure outdoor solution
- GSI security curved sliding door: the compact access control solution
- GSI security revolving door: security in both directions

2012

SE lock: the first lock-integrated access control

2014

janus reversible key system: taking performance to a new level

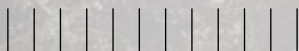
2017

ixalo – One system – two technologies (SE and RFID: MIFARE®)



# The key to more possibilities.

Key or finger scan, code or radio control? The GU Group offers the full spectrum of single-door access control solutions. No matter whether a mechanical or electronic solution is used – they all offer security and convenience. And not just for users. Fabricators, dealers and specialist security businesses also benefit: from prompt delivery and repeat delivery, from ease of installation and configuration, from long patent terms and a high degree of future-proofness.







# Mechanical single-door solutions – mechanical locking systems



## A safe decision: mechanical access control from BKS

Long-lasting, robust and permanently authorised, mechanical keys are the most direct form of access control. That is why handing over a key is always a special moment – especially when it's a BKS key.

BKS satisfies the most stringent quality and security demands with high quality mechanical door protection solutions. It is these that the traditional GU Group brand uses to address the most diverse requirements in the house and apartment entrance door sector.

No matter which of the locking systems is used: every registered key biting is unique. As such, BKS takes responsibility for the locking cylinders' security-related data and keys – thereby ensuring a feel-good factor.

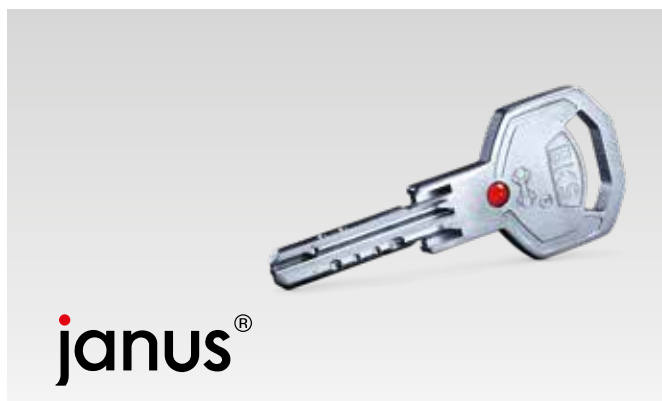
When it comes to BKS locking cylinders, security is the name of the game: bumping protection, featured as standard, takes care of that as well as the emergency function that prevents blocking by inserted keys. The janus system also features drilling / picking protection to prevent forced opening.

## Feel the quality: modern reversible keys

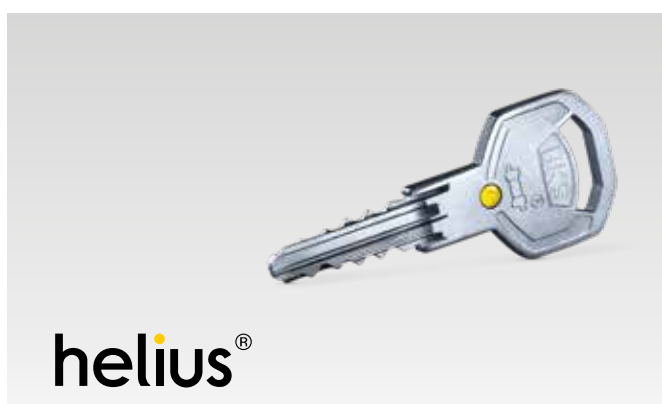
High expectations of security and functionality continue in the convenience of the BKS reversible key: high quality is immediately evident from agreeable haptics and intuitive use with vertical key insertion on both sides.

High quality, copy-protected keys and registered key bittings with a security card ensure that access control remains in the right hands. Long patent terms on the key profile series also ensure a high degree of future-proofness.

Is a top quality premium solution for one's own home required – or a secure solution at a good price? With its janus and helius reversible key systems, BKS can satisfy every requirement.



**janus – the premium solution for one's own home.**  
Unmistakably unique with its red ball and figure of 8-shaped key shank: now in its third generation, the janus reversible key system is again proving its worth through premium quality protection and convenience. The new key bow and extended key shank provide dynamic design accents. With its new key profile series, the system is a sustainable and future-proof solution. A further benefit is the extremely quick delivery of the cylinders and duplicate keys.



**helius – securing your home**  
The low-cost and secure locking system for private houses and homes: the helius reversible key system provides impressive convenience and protection against bumping as standard. Patented until 2024, fabricators and users can rely on long-term security.



**Security card – copying only with authorisation**  
Registered key bittings by BKS are always handed over with a matching security card. This ensures that only authorised persons can have copies made of keys. The card serves as proof of ownership and contains all the specific data for reordering cylinders and original keys.

#### Advantages at a glance

– Registered key biting means that only authorised persons can reorder keys on presentation of the security card



– High locking convenience and key insertion on both sides

– Protection against bumping as standard

– Patent-protected keys



# Electronic single-door solutions – the GU house entrance door concept



## 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 finger scanner control.



#### Finger scan or code release

Biometric fingerprint recognition or an individual code ensure convenient access with no keys whatsoever. Finger scanners or code keypads can be integrated in the door leaf, door frame, in the area of the letterbox or in the intercom. The system can be mounted either as an on-wall version directly on the house wall or in a standard flush box. The house entrance door set comprising lock, power and data transmission unit and finger scanner, has been certified as a grade B locking system by the VdS.



#### Opening using a hand-held radio transmitter

The door can be conveniently opened and locked using the latest generation hand-held radio transmitter. Encrypted data transmission affords a high level of security. For control purposes, data between the door and radio transmitter will be both sent and received – for a direct and readily understood checkback signal via two colour LEDs.



Photo of person: Getty Images

#### Control using the Somfy Smartphone app

The control and monitoring of central building functions using mobile devices is becoming ever more important. The Somfy Smartphone app can be used for remote control and monitoring of the house entrance door. It enables an immediate answer to the question “Is the door locked?”. Windows, the garage door and shutters can also be controlled. This joint solution by Somfy and the GU Group bridges the gap between security, a control function and convenience.

#### Advantages at a glance

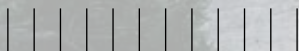
- Convenient access control consistent with state of the art security
- Simple installation of the GU house entrance door concept thanks to an coordinated, comprehensive, plug-and-play package
- Easily programmable without additional devices or computer





# All doors, all functions, one system.

Buildings contain numerous different doors. But who is permitted to open which door? And when? The GU Group's multi-door solutions make light work of setting-up, controlling and changing access authorisation. A central system covers all door types and functions in the building – thus ensuring a high degree of security and cost-effectiveness. The solutions on offer range from the purely mechanical via electronic systems to a combination of the two.







# Mechanical multi-door solutions – master key systems



## Mechanical locking system applications

- Double cylinders with thumbturn in order to be able to lock doors at any time, even without a key
- Double cylinders with emergency function, e.g. for office and passageway doors
- Cam cylinder for mailboxes
- Padlock for securing containers and gates
- Half cylinder for escape door or elevator control terminals (key switch)
- Rim cylinders for surface-mounted rim locks on access doors, with safe-T-catch if so desired, for opening the door securely in the ajar position
- Furniture lock cylinders for integrating office furniture with the master key system
- Can also be combined with mechatronic systems

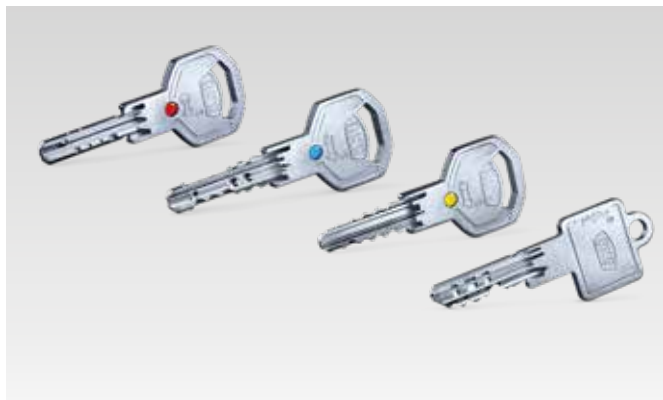
## Secure buildings, secure data, secure future

Choosing a mechanical access control system from BKS installs security, flexibility and cost-effectiveness throughout the building. This is based on the high quality and depth of in-house manufacture of the mechanical cylinders that achieve their full potential in the context of master key systems. Users and administrators of these systems enjoy an immediate benefit: instead of many keys, a single key suffices to grant access to different areas.

The GU Group and its traditional BKS brand offers comprehensive master key system planning, ordering, management and programming services covering every aspect of mechanical access control. The responsible handling of security-related data is of central importance here: the data are held by BKS and protected against unauthorised access.

BKS's mechanical solutions are the right choice when it comes to future-proofness as well: you can depend on long patent terms and flexible system expandability – just as you can on faultless delivery of cylinders and the 24-hour despatch of duplicate keys.

Opting for a mechanical access control system in no way precludes electronic solutions. It may make sense to add complementary electronic systems, especially for security-related areas.



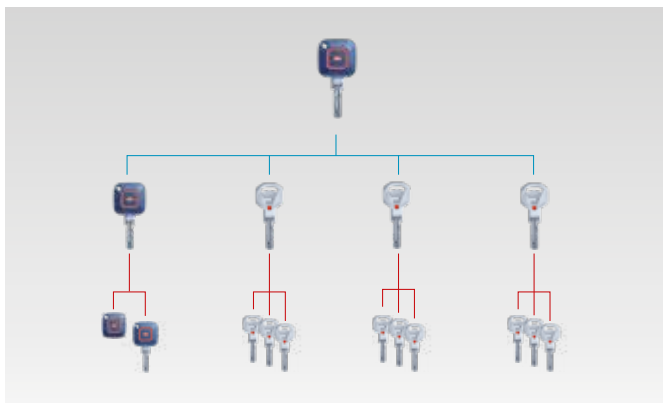
### Full range – janus, helius, livius and detect3

The appropriate solution for each building: the premium reversible key system janus is the preferred choice where there is a complex distribution of access authorisations. Alternatively, detect3 can be used where there are linked authorisation levels. The livius reversible key system is ideally suited for master key systems with a stringent access authorisation structure. The strengths of the helius system are apparent in the case of small master key systems in one's own home.



### Additional locks – including everything in one solution

Roller doors and containers, switchboards and safes, cabinets and letter boxes: big master key systems are about more than just doors. It's a good job that BKS covers the whole spectrum with a wide range of special locks, padlocks and furniture locks. And rigorously applies the single key principle in the process. janus is also available as a Swiss round cylinder.



### Authorisation levels – from simple to complex

A building's security stands or falls with the distribution of access authorisations – and they can turn out to be extremely complex, especially with large master key systems. This is where the BKS full service package comes in: it provides competent support and advice, from planning the system via the drawing up of locking schemes to data maintenance and data security.



Photo of person: Getty Images

### KeyManager – The entire master key system under control

The KeyManager is an efficient software solution for managing all keys and cylinders. The system considerably simplifies issuing and returning keys: electronic confirmation of receipt by signature pad renders the printing out of receipts superfluous.



# Electronic multi-door solutions – ixalo: one system – two technologies



## ixalo – the electronic locking system of BKS

ixalo – the electronic locking system of BKS combines a variety of electronic products and technologies into a state-of-the-art, sustainable overall system. Optionally equipped with the BKS SE technology or with RFID technology: MIFARE® (MIFARE Classic®, MIFARE® DESFire® EV1) – ixalo offers a multitude of applications for individual customer requirements. Convenience and security can be individually designed and implemented efficiently with the combination of mechanical and electronic locking systems.

**Energy consumption:** ixalo offers particularly low energy consumption of its products – one of the main criteria to be met by battery-operated systems. This is the only way to ensure a very large number of locking cycles.

**Secure:** ixalo satisfies the highest security requirements of the EN 15684 standard for mechatronic locking cylinders by using extremely reliable encoding and communication mechanisms. The security is certified by the VdS.

**Economic:** locking systems are particularly cost-effective when electronic and mechanical cylinders are combined into one system. The prerequisite for this is that all cylinders, keys and transponders are managed uniformly within one software. The BKS KeyManager is thus an administration software with which electronic access authorisations can be modified at any time and can be conveniently updated locally via the release terminals.





### **ixalo lock and door hardware solutions – the design-oriented access solution for every door**

With the ixalo lock the choice of door hardware and therefore the door design is unlimited. The ixalo lock is sized to DIN lock case dimensions and is easy to retrofit. The lock is operated by use of a transponder.

The ixalo door hardware is compatible with a large variety of lever handles and offers a high level of convenience.



### **ixalo double knob cylinder – access to greater flexibility**


Electronic ixalo double knob cylinders can be combined with every mechanical master key system from BKS or other manufacturers. They confer a high degree of flexibility even when retrofitting. Thanks to its integrated authorisation management, the cylinder functions even in the event of a network or power failure. Time frames, public holidays and holiday periods can also be freely defined.



### **BKS KeyManager – management and programming made easy**

With the KeyManager, electronic and mechanical cylinders, keys and transponders can be managed at once within one software program. ixalo access media can be assigned access rights for individual doors or entire door groups via the KeyManager. A time limit can be imposed, e.g. at particular times during the day or for entire periods. The access rights can be modified and adapted at any time.

### **Advantages at a glance**

- One system – two technologies: SE technology of BKS and RFID technology: MIFARE® 
- Security as system solution: economic combination of electronics and mechanics
- Energy efficiency as strength: long cylinder battery life due to particularly low energy consumption
- KeyManager as centralised software solution: electronic and mechanic components can be management at once within one system

# Electronic multi-door solutions – electronic access control system



## Centrally and in real time: access management with GEMOS *access*

Managing and controlling, logging and changing access authorisations – the BKS*access* cabled access control system controls everything centrally and in real time. That makes it the right solution for efficiently satisfying complex requirements.

GEMOS *access* enables the entire authorisation and personnel data management to be activated centrally and without delay throughout the entire system: from blocking an ID card via replacement ID cards to visitors' badges. What's more, all connected doors can be centrally blocked or released.

GEMOS *access* is also impressive in terms of monitoring access management: current door status is displayed in real time all events relating to ID badges and doors are automatically logged.

Access control functions such as anti-passback, mantrap or double verification passage can also be implemented. Access area balancing and access sequence check, as for example parking lot management, round off the system functionality offering.

## Threefold security: the GEMOS *access* system

You can depend on it: security with GEMOS *access* is based on three different factors – protection against manipulation, system stability and data security.

The secure system architecture and encrypted data communication, in conjunction with the mechanical locking elements, afford reliable protection against attempted manipulation – whether of the access reader data lines, database or logbook.

With GEMOS *access*, redundantly designed system components ensure very high availability and system stability. Customised to individual requirements, duplicate network devices can further support stability.

Last but not least, system-wide encrypted communication and data storage, combined with sophisticated data backup concepts, ensure the greatest possible degree of data protection.





### Authentication – with card or biometrically

When it comes to authentication, GEMOS *access* ensures maximum flexibility: combining different ID cards and reader types within one system is simplicity itself. GEMOS *access* RFID card readers are available with or without PIN keyboard and support all current read processes such as LEGIC, MIFARE and HITAG. Biometric readers as well, for example finger scanners, can be directly integrated into the system.



### GEMOS *access* controller – central intelligence

The powerful access controller unit acts as the central intelligence for all connected doors. The access controller unit stores all rights, log and configuration data and manages the buses. Cutting-edge processor technology ensures high availability and performance. Thanks to its compact 19-inch / 1 rack unit format, the access controller unit is ideally suited for decentralised installation in IT floor distribution rooms.



### GEMOS *access* software – simple, structured, secure

The GEMOS *access* software can be used intuitively thanks to its user-friendly interface. As operation is entirely browser-based, no additional software is required on the PC workstations. The data are stored centrally.

### Advantages at a glance

- Compatible with different read systems
- Flexible combination of access processes
- Bus structure for decentral or central solutions
- Directly installable on the door I / O modules
- Seamless data encryption possible from the reader via the controller to the server



# Because ultimate reliability begins with the detail.

A system is only as good as the sum of its components. It's not for nothing that famous manufacturers of security systems rely on the GU Group's high quality release devices. Whether it's mechatronic locking elements or controlled single-person access systems: GU Group solutions are convincing not just because of the high degree of security and convenience they offer but also because they can be easily integrated into the most diverse systems.





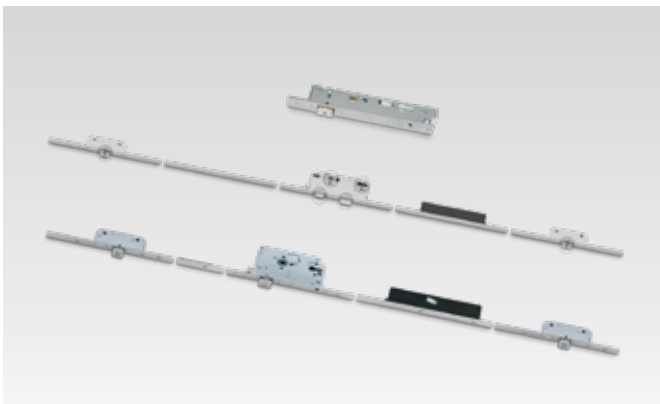


# Mechatronic locking elements – with cables



## **Electrically coupleable locks – fundamental for access control systems**

Self-locking locks with electrically coupleable outside levers are used with single or double-leaf narrow stile doors or with wooden and steel doors with access control systems. Access is electrically controlled via the outside lever. The status of the individual lock elements such as latchbolt, inside and outside lever or cylinder cam can be electrically interrogated by built-in switch contacts.



## **Motor locks – mortise locks and multi-point locks**

The latchbolts of the self-locking motor locks are retracted by means of a motor in the case of single and double-leaf doors. Mortise lock and multi-point lock solutions are available for use on wooden, steel and PVC doors. Built-in monitoring contacts are possible, such as latchbolt or locking cam monitoring, for example. As a self-locking system with panic function it is ideally suited for use in fire protection, smoke protection and escape doors.



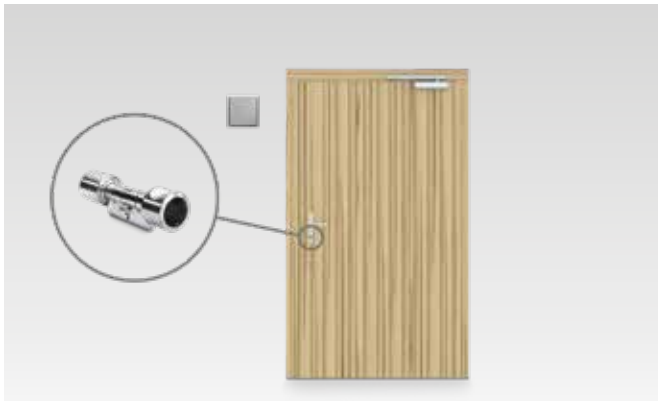
## **Electric strikes – genuine versatility**

The GU Group's electric strikes meet all standard mechanical and electric requirements with just a few variants. The compact format and comprehensive system accessories achieve optimal adaptation to all common profiles. The optional version with latch slide cover even makes the effort of cutting a recess into the profile edge redundant. Electric strikes in the fire-rated FH version are available for use on fire and smoke protection doors.



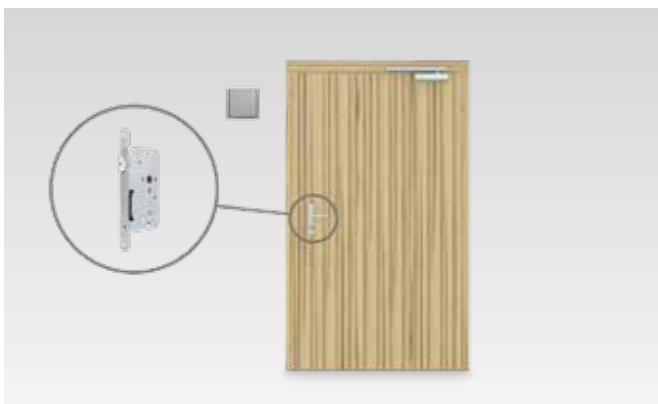
## **Automatic latchbolt – insured with the door just pulled shut**

No manual locking is necessary with self-locking locks with patented Automatic latchbolt. This automatically ensures significantly enhanced burglar protection. With VdS approval, these locking systems are ideally suited for burglar-inhibiting doors with increased security requirements.



## **Radio-controlled electrically coupled cylinders – convenient and compatible**

Connect any door with any access control system: the radio-controlled electrically coupled cylinder is coupled with or decoupled from a wireless wall module by means of a potential-free contact. Door access can thus be controlled without authorisation management of its own. As the radio-controlled electrically coupled cylinder requires no door wiring it is ideally suited for retrofitting.



## **Radio-controlled electrically coupleable lock – no more wiring!**

The radio-controlled electrically coupleable battery lock combines the benefits of a self-locking panic lock with wireless control of the outside lever. Without any wiring and installation effort, access authorisation control can be achieved with confidence on single or double-leaf wooden, steel or glass doors. The lock can also be installed in existing fire doors without invalidating the door's fire approval.

### **Advantages at a glance**

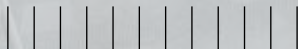
- Any door can be integrated with access control systems
- Automatic latchbolt insured with the door just pulled shut
- High degree of mechanical security supplemented by electronic release capabilities
- Wired and battery-operated solutions available for diverse door requirements



## Controlled single-person access – the right solution for every requirement

### In single file for greater security.

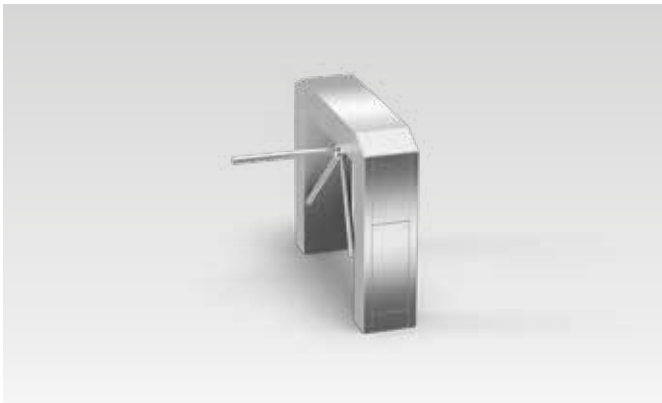
Controlling access to company premises, automatically controlling admission tickets and directing large numbers of people into ordered paths: the GU Group is doing its bit for the optimal operation of security systems with high quality products controlled single-person access from the 3-arm turnstile to the security revolving door.







# Controlled single-person access – turn, swing or slide?



## 3-arm turnstile – simple access control

3-arm turnstiles are an efficient way of achieving simple access control, preventing unauthorised access, counting people and linking to reader systems. The motor-driven turnstile wheel is oriented at an angle to the axis of rotation and is comfortable to pass. In the two-arm version, swivel technology permits a barrier-free position to be adopted at any time.



## Turnstile – the right version for everyone

Unlike the 3-arm turnstile, in the case of the turnstile the locking elements are arranged vertically. Depending on where they are being used, there are turnstiles in different versions and heights – discreet and unobtrusive with three or four locking elements made of glass or with a 90° segmentation for greater security against forcing the turnstile, suitable for the integration of access control systems.



## Swing gate – barrier-free access

For people in wheelchairs, with pushchairs or luggage trolleys, classic turnstiles and 3-arm turnstiles are insurmountable obstacles. An ideal alternative access option is a motor-driven swing gate. Fully integrated with automatic access control systems, it offers rapid, secure and convenient access. The drive unit is elegantly concealed within the axle. The swing gate is also suitable for use in escape routes.



## Sensor barrier – for highly frequented entrances

Whether in office and administrative buildings, banks or VIP areas in sports complexes: using a sensor barrier speeds up the flow of people in highly frequented entrances. The sensor barrier is also ideally suited for persons with reduced mobility and for transporting bulky luggage.



#### **Full-height turnstiles – for outside use**

Motor-driven full-height turnstiles in a multitude of versions and specifications cover all secure access control needs. In conjunction with optional locking, access is automatically denied in the event of a power failure (one direction is blocked, one is open).



#### **GSI security curved sliding door – the compact solution**

The GSI security curved sliding door's minimal diameter provides controlled single-person access with a minimum footprint. In their initial position, the sliding doors are securely locked. If an authorised person is identified by an access control system, the door opens automatically on one side. After entering the cabin and triggering the contact mat, the door closes and the opposite door will open automatically until the cabin is vacated. In the event of unauthorised entry into the cabin, the process will be interrupted.



#### **GSI security revolving door – controlled access in both directions simultaneously**

The GSI security revolving door is an efficient solution for controlling access to security-sensitive buildings or areas within a building. In addition to functionality, the focus is also on the aesthetics of the building architecture. In the initial position, the GSI security revolving door is locked. The door is released via an access control system, persons without access authorisation are guided out of the security revolving door away from the entrance.

#### **Advantages at a glance**

- Convenient: all single-person access control solutions are motor-driven
- Free choice depending on whether the focus is on a high degree of security or a comfortable flow of people
- Easy to integrate: with a GU Group access control system or trouble-free connection with existing on-site access controls

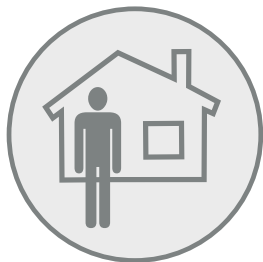






# Systematic Service

**A product on its own is not a solution.** The right security, function and cost-effectiveness can only be achieved with the right planning and by ensuring it is applied correctly. That is why the GU Group applies the systematic thought processes demonstrated in its product range to its service offering as well. Close interlinking of one-to-one expert advice, free online support and a comprehensive programme of technical seminars aims to make the day-to-day work of architects and planners, fabricators and security experts easier.



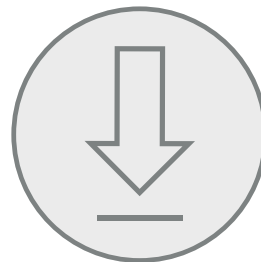
### Building project consulting

Simplifies everyday work: covering every aspect of access control, 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.



### Planning support

The basis for secure and efficient access control: GU Group provides architects and planners with comprehensive support right from the planning stage. 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.



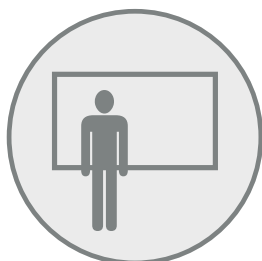
### Free download

To make planning easier: a wide range of information on the products and applications is available to download from the company website to the local hard drive quickly, conveniently and free of charge: from product documents and installation drawings to Declarations of Performance through to software solutions.



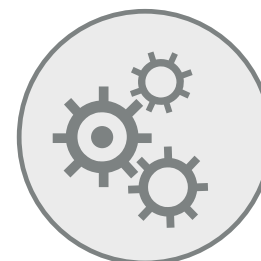
### AusschreibungsManager for tenders

Comprehensive, legally sound and technically up-to-date: with the AusschreibungsManager, GU Group offers architects and planners a convenient and effective online tool that makes light work of compiling technical specifications and complete tender specifications – for all GU Group products.



### Seminars and training courses

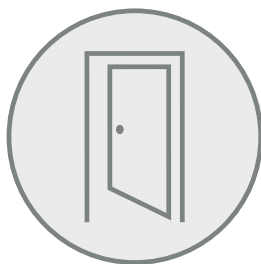
Practical knowledge based on first hand experience: with around 160 events annually, the GU group offers an extremely wide range of seminars and training courses. The programme includes product innovations and their applications, current architectural trends and standards and directives. Several seminars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



### 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.





### Provision of samples

Impressive not just for builders: quality and functionality are best experienced live on site. The GU Group therefore organises the provision of samples for the project from start to finish and can also present different versions and functions if required. As an alternative, the GU Group offers visits to reference projects worldwide.



### MasterKeySystem

The key to simplified planning and ordering: the MasterKeySystem is an internet-based planning and ordering platform for master key systems. Whether a new facility or extension of an existing facility: the user-friendly interface with its wealth of useful functions helps in preparing the entire master key system and ensures smooth order handling.



### Order free of charge!

Look up product details and be inspired to adopt new solutions. The day to day life of architects and planners, fabricators and security experts would be inconceivable without the GU Group's leaflets and product brochures. Just send a message to [objektberatung@g-u.de](mailto:objektberatung@g-u.de) and receive your complimentary documents in the post.



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