Master Key Systems
Examples, functions and solutions.
Your trustworthy partner for smart access solutions

Mechanical key systems – Keep your keys under control
Customised access management – Cleverly organised with master key systems

Applications
Locking systems for private homes
Central locking systems for apartment buildings
Business offices and departments
Education
Hospital
Hotel
Theatres and cinemas
Train and metro stations

Functions
Self changing cylinder – the cylinder with 3 lives
Double key override function
Classroom function
Coloured keys
Emergency override key function
Elevator control and switch cylinder
Furniture cylinders
Freewheel cylinders for gear operated and emergency locks

Extreme protection – increased burglary protection
Padlock
Secure Access Temporary – SAT
Duplo function
Protection mechanism against dust, weather and insects
Thermally insulated cylinder – TIC
Thumb turn
WC or bathroom room cylinder
dormakaba modular system
Cylinder types
Mechatronic and electronic
Security card as user ID
Applications or OEM
Surfaces finishes
Combination of functions – reversible key systems
Combination of functions – serrated key systems
THINK | 360° holistic access solutions

Table of contents
Our brand promise
We stand for trust.

With over 150 years’ experience and millions of products and solutions installed worldwide – from pushbutton locks and door closers to highly complex, networked access solutions with smartphone access – dormakaba is your reliable partner for secure and flexible access to buildings and rooms.
Mechanical key systems
Keep your keys under control

As infrastructure grows exponentially, so does the need to support this development with adequate security systems. Increased access points result in multiple locks that require efficient security management. This is where the dormakaba master key systems come in, by enabling access according to our customers’ requirements and using entry restrictions to their advantage.

A master key system is a key plan whereby selected keys can open a number of pre-defined doors. It extensively analyses and assesses our customers’ requirements. Moreover, it can deliver solutions for even the most complex access management challenges and helps maintain better control, saves key replacement costs and is convenient, as there are a lower number of keys in circulation. It also provides quick access to all rooms within the premises, e.g. for security staff and management personnel. This is not only convenient but can save lives in case of emergency.

Your trustworthy partner for smart access solutions

No matter where you need innovative, reliable access and security solutions, we are there for you with our high-quality portfolio: in hotels, shops, sports facilities, airports, hospitals, at home or in the office.

We are one of the top three companies for access control and security solutions in the global market. We provide everything you need for secure access to buildings and rooms, all from one single source.

More than 16,000 employees and numerous cooperation partners are ready to assist you in over 130 countries. So no matter where you are, you can benefit from our range of future-oriented products, solutions and services that give you a sustainable sense of security.
Customised access management
Cleverly organised with master key systems

Master key systems is a complete product range that provides the most extensive access security solutions, which can be customised for large facilities to smaller solutions for niche customer profiles. The various typologies of dormakaba master key systems are as illustrated below:

Key to Differ (KD)
Each cylinder can be operated by its own key.

Common Lock Systems (CK)
Each key opens only its own cylinder and the centrally locking system (e.g. the common entrance in an apartment block).

Keyed Alike (KA)
Several cylinders with the same permutation can be opened by the same key.

Master Key System (MK)
Each cylinder is opened by its own individual key and by the master key.

Grand Master Key System (GMK)
Each cylinder is opened by its own individual key, the master key and the grand master key.
Complex Master Key System

Individual keys or master keys belonging to different groups of cylinders can open one or more cylinders belonging to other groups and can be extended to the great grand master key system (GGMK).
Locking systems for private homes
Convenience and security in one

Home is where we feel the most secure and a solution that can reinforce that feeling is a boon to families in any part of the world.

Master key systems can be applied to various residential establishments – from small houses to large apartments or villas and from multi-storied mansions to high-rise apartment complexes. In a house, for example, a keyed alike system could be implemented in such a way that the house owners would be able to open all the rooms of the house with one single key. So besides the front door, you can also open your letter box, cellar, garage and many other doors with a single key. The children of the house would be given a key that would only open the front door and their bedrooms.

With the dormakaba lock cylinder and SAT (Secure Access Temporary) function domestic help would only be able to access the front door – if the proprietor key has activated the service function.

A master key system would ensure an added level of security and greater convenience to granting and restricting access to one’s home.
Master key systems are used in apartment buildings. Main doors like the entrances to underground car parks and basements can be opened and closed by all tenants with their assigned apartment keys. However, no key will open the door of another apartment. Master key systems can be expanded so that letterboxes, basement storage compartments or secure car parking in the communal garage can be assigned to the apartment key, thus reserving access for the respective tenant.

Tenants need carry only one key around with them for all rooms. So caretakers do not have to procure, issue and supervise separate keys for communal doors. And their keys, in turn, only provide relevant access to doors like the main entrance and central communal and maintenance areas.
Business offices and departments
Increased security with master key systems

Master key systems are ideal for offices and can be successfully applied in any commercial or private office space regardless of its size. A master key system not only increases security but also grants greater access convenience to the shared spaces between various departments. For example, each department in the office would need common access to the conference room door as it’s a shared space. However, the R & D room would be opened by a single masterkey held only by the head of the department owing to the extra security requirements of the department. This means that role-based access rights can be assigned for each employee with just one key.

Master key systems can efficiently exclude and include entry according to a carefully prepared plan that enhances the working processes, access convenience and security protocols. Massive signature working environments in almost every corner of the world have substantially benefitted from our master key systems.

Applications

01 Emergency exit
02 IT server room
03 Toilets
04 Lift
05 Lobby
06 Commercial
07 Conference rooms
08 Product marketing
09 R & D
10 Sales
11 Conference rooms

Emergency exit with possible functions
- Open escape routes with free-wheel cylinders according to FZG approval
- Protection mechanism against dust, weather and insects

Main door with possible functions
- Extreme protection – VdS increased burglary protection
- Protection mechanism against dust, weather and insects
- Coloured key for easy orientation

Self changing cylinder – the cylinder with 3 lives
Access to furniture with HR key – sensitive documents
Double key override function – opens even if a key is inside

01 Emergency exit
02 IT server room
03 Toilets
04 Lift
05 Lobby
06 Commercial
07 Conference rooms
08 Product marketing
09 R & D
10 Sales
11 Conference rooms

First Floor

Ground Floor

01 Emergency exit
02 IT server room
03 Toilets
04 Lift
05 Lobby
06 Commercial
07 Conference rooms
08 Product marketing
09 R & D
10 Sales
11 Conference rooms
**Education**

**Complex door situations including classrooms**

Educational institutions have evolved from simple classroom structures and today have grown to massive complexes that accommodate multiple learning facilities. With numerous access points within a campus, maintaining a traditional key system can be very cumbersome and unsafe for the school management. That is where master key systems can substantially increase security.

Small schools to large university campuses can greatly benefit from the increased security and hassle-free operating mechanism of our master key systems. Further functions like lockers with furniture cylinders or the classroom function increase the security of the location and can also fit into the master key system.

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**Applications**

- Classroom
- Staff room
- Toilets
- Office
- Computer lab
- Seminar room
- Activity area
- Library

**Access to furniture with computer lab key**

**Classroom / clutch function – security with thumb turn inside and guaranteed key operation from the outside**

**WC cylinder**

**Double key override function – opens even if a key is inside**

**Ground floor**

**First floor**

**Locker – access to furniture**
Medical care facilities have several highly sensitive areas and hence regulating access becomes critical. In such a busy environment access control has to be made operationally very convenient and at the same time, technically fail proof. Implementation of a master key system to both small clinics as well as large hospitals can increase their efficiency considerably. By applying a master key system, a medical care facility could ensure much faster access to emergency facilities like operation theatres and at the same time strictly restrict access to hazardous areas with radioactive equipment.

Medical care facilities across the globe rely on master key systems from dormakaba to ensure highly safe and secure medical environments for the patients, professionals and people in general.
A guest might select a hotel based on their preference for luxurious amenities, ambience or culinary reputation. But every time they walk into a hotel, a temporary home in a foreign land, the most important assurance sought is security, both of space – the room, and of personal information. A master key system can provide total security and convenience for both the guest and the hotel operator. Typical “back of house” hotel applications require secure locking in operational areas such as Food & Beverage management, Housekeeping as well as delivery zones. These areas are where valuable provisions and equipment needs to be securely managed. Guest Services and Financial Management areas are also where both valuable personal and financial information are processed and stored.

Staffing in hotels is very dynamic with multiple shifts across any given day necessitating locking systems which offer high levels of security, functionality and ease of management. High staff turnover means the locking system needs to be able to provide the operator with secure unauthorised key copy protection and key management systems.

Master key systems with the dormakaba “Smart” keys can also work in concert with electronic door access cards and time in attendance systems. Its expandability, as the facility grows, means that for hotel and resort owners they can be confident their future plans can be accommodated with ease.
Theatres and cinemas
Security in entertainment

Entertainment is arguably one of the fastest growing industries and its avenues are growing at a much faster pace. Multiplexes are mushrooming even in smaller towns and as people flock in growing numbers to these spaces, better security becomes mandatory. The master key system seamlessly integrates the access mechanism for multiple screens at theatre complexes.

Master key systems also very efficiently manage emergency exits at large commercial spaces like these and makes it extremely hassle free for the staff during an emergency situation. With the free-wheel cylinders according to FZG approval open escape routes are guaranteed in case of an emergency.
Train and metro stations
Public space with high secure areas

Threat levels at public spaces have exponentially increased the world over and today public spaces demand the highest level of security measures. For example, a metro station involves very high public safety and also massive infrastructural costs. But due to the vulnerability of an open public environment like this, ensuring security becomes technically challenging. This is where master key systems come in handy.

It distinguishes and facilitates easy movement across areas accessed by passengers yet strictly secludes high security departments such as the traffic control room, the ticketing cash room, the power room, signaling equipment room, etc. Several airports, metro stations, malls and other public spaces around the world have been secured by dormakaba master key systems.

- Self changing cylinder – the cylinder with 3 lives
- Double key override function – opens even if a key is inside
- Extreme protection – VdS increased burglary protection
- Protection mechanism against dust, weather and insects

Main key systems
- MK1 Housekeeping
- MK2 Admin
- GMK Chief Administration Officer
- MK3 Technical
- Individual key

Applications
- Staff room
- Power room
- Toilets
- Help desk
- Cash room
- Ticketing
- Waiting lounge
- Technical room
- Train crew room
- Battery room
- Auxiliary sub station
- Signalling equipment room

01 Staff room
02 Power room
03 Toilets
04 Help desk
05 Cash room
06 Ticketing
07 Waiting lounge
08 Technical room
09 Train crew room
10 Battery room
11 Auxiliary sub station
12 SCR
13 Signalling equipment room

Main door with possible functions
- Extreme protection – VdS increased burglary protection
- Protection mechanism against dust, weather and insects

WC cylinder
- Double key override function – opens even if a key is inside
- Self changing cylinder – the cylinder with 3 lives

Individual key for external service provider

Locker – access to furniture

Right wing
Left wing
Functions
## Functions

### Self changing cylinder - the cylinder with 3 lives

**“The system with three lives.”**

A standard cylinder has its authorised keys. If you lose a key or you want to change the authorisation — security will be lost, as this lost key or this unwanted person will still be able to open the lock, e.g. after the construction phase of building contractors should no longer have access to the site. In such cases you are forced to change all cylinders in the building. dormakaba has the solution: With the BAZ/SUZ-function you can modify the cylinders and block the unwanted or lost keys! This can be done at the end of the construction phase or with new tenants. And this can be done twice – so you are protected for 2 key changes! You do not need to purchase new cylinders thus have a cost-saving solution.

### Double key override function

**“Never be locked out again...”**

Sometimes it happens (voluntary or not) that the key is left in the lock. With a standard cylinder you will not be able to open the lock from the outside, because the left key on the inside is blocking the cylinder – dormakaba has the solution!

The BSZ-function enables you to open the cylinder in any way at any time – also when a key is left in the lock on one side you can always open on the other side. So you cannot be locked out.

<table>
<thead>
<tr>
<th>Functions</th>
<th>Available systems</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self changing cylinder</td>
<td>all reversible and serrated key systems</td>
<td>Home, Apartment buildings, Office</td>
</tr>
<tr>
<td>Double key override function</td>
<td>all reversible and serrated key systems</td>
<td>Home, Apartment buildings, Office, Metro station, Education, Hospital, Hotel, Theatre/Cinema</td>
</tr>
</tbody>
</table>

### Classroom function

The innovative design of the restrictive movement cylinder ensures the door is guarded against being locked from within the room. The cylinder also guarantees that authorised key operation from the external side is maintained even if the internal thumbturn is being held by the occupant in an attempt to prevent access.

### Coloured keys

Keys are even easier to identify with one of the coloured 12 smartkey clips, 7 largekey clips or for serrated keys 5 miniclip and 5 trendkey clips.

### Emergency override key function

For hotels, guesthouses, retirement homes, boarding schools, schools, etc., where, on the one hand, the personal sphere is guaranteed, but at the same time the greatest security must be available for emergencies. The emergency key override function also fulfils the lockout function desired in hotel complexes. The advantage is that with the special emergency key from the outside can still be opened, even if there is a key on the inside and is twisted. Thus, the access is guaranteed at any time in an emergency. The emergency function can only be installed on one side and the emergency override key must be ordered separately.

<table>
<thead>
<tr>
<th>Functions</th>
<th>Available systems</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classroom function</td>
<td>all reversible and serrated key systems</td>
<td>Education, Hospital, Hotel, Theatre/Cinema</td>
</tr>
<tr>
<td>Coloured keys</td>
<td>all reversible and serrated key systems</td>
<td>Home, Apartment buildings, Office, Metro station, Education, Hospital, Hotel, Theatre/Cinema</td>
</tr>
<tr>
<td>Emergency override key function</td>
<td>all reversible and serrated key systems</td>
<td>Apartment buildings, Office, Metro station, Education, Hospital, Hotel, Theatre/Cinema</td>
</tr>
</tbody>
</table>
Functions

Control your elevator by the turn of your key. Different types of elevator control as well as different switch cylinder with on/off or impulse function to control electric devices are available.

Available systems: • all reversible and serrated key systems
Applications: • Office • Metro station • Education • Hospital • Hotel • Theatre/Cinema

Different furniture locks and cylinders for applications within furniture. Whether you want to lock your files, personal documents or valuables securely. With your individual key from the master key system you have always access.

Available systems: • all reversible and serrated key systems
Applications: • Home • Apartment buildings • Office • Metro station • Education • Hospital • Hotel • Theatre/Cinema

The cam of the double cylinder with 360° freewheel can be turned freely when no key is inserted. When a key is inserted, a fixed connection is made between the key and the cam. As soon as the key is removed, the cam returns to 360° freewheel. Emergency route locks can be unlocked with an authorised key, even if a key is inserted in the opposite side of the cylinder. Also for thumb turn and double cylinders in connection with multiple point gear door locks.

Available systems: • all reversible and serrated key systems
Applications: • Office • Metro station • Education • Hospital • Hotel • Theatre/Cinema

Integrated into your master key system you can also use padlocks with your key. Different types are available.

Available systems: • all reversible and serrated key systems
Applications: • Home • Apartment buildings • Education

In the normal (vertical) key removal position the cylinder can only be operated from the outside by the proprietor key. In the service position the lock cylinder can be opened and locked from the outside and inside by the service and proprietor keys.

Available systems: • dormakaba expert plus only
Applications: • Home • Apartment buildings • Small business
## Functions

<table>
<thead>
<tr>
<th>Functions</th>
<th>Available systems</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access to specific door</td>
<td>• all reversible and serrated key systems&lt;br&gt;• lock with interchangeable function required</td>
<td>• Apartment buildings&lt;br&gt;• Office&lt;br&gt;• Metro station&lt;br&gt;• School&lt;br&gt;• Hospital&lt;br&gt;• Hotel&lt;br&gt;• Theatre/Cinema</td>
</tr>
<tr>
<td>Protection mechanism against dust, weather and insects</td>
<td>• all reversible and serrated key systems</td>
<td>• Home&lt;br&gt;• Office&lt;br&gt;• Metro station&lt;br&gt;• Education&lt;br&gt;• Hospital&lt;br&gt;• Hotel&lt;br&gt;• Theatre/Cinema</td>
</tr>
<tr>
<td>Thermally insulated cylinder – TIC</td>
<td>• all reversible and serrated key systems</td>
<td>• Home&lt;br&gt;• Office&lt;br&gt;• Metro station&lt;br&gt;• School&lt;br&gt;• Hospital&lt;br&gt;• Hotel&lt;br&gt;• Theatre/Cinema</td>
</tr>
<tr>
<td>Cold outside – dry inside</td>
<td>• all reversible key systems</td>
<td>• Home&lt;br&gt;• Office&lt;br&gt;• Metro station&lt;br&gt;• School&lt;br&gt;• Hospital&lt;br&gt;• Hotel&lt;br&gt;• Theatre/Cinema</td>
</tr>
<tr>
<td>Thumb turn</td>
<td>• all reversible and serrated key systems&lt;br&gt;• Designer knob Kaba penta only</td>
<td>• Home&lt;br&gt;• Apartment buildings&lt;br&gt;• Office&lt;br&gt;• Metro station&lt;br&gt;• School&lt;br&gt;• Hospital&lt;br&gt;• Hotel&lt;br&gt;• Theatre/Cinema</td>
</tr>
<tr>
<td>WC or bath room cylinder</td>
<td>• all reversible and serrated key systems</td>
<td>• Home&lt;br&gt;• Apartment buildings&lt;br&gt;• Office&lt;br&gt;• Metro station&lt;br&gt;• School&lt;br&gt;• Hospital&lt;br&gt;• Hotel&lt;br&gt;• Theatre/Cinema</td>
</tr>
<tr>
<td>Kaba modular system</td>
<td>• all reversible key systems</td>
<td>• Home&lt;br&gt;• Apartment buildings&lt;br&gt;• Office&lt;br&gt;• Metro station&lt;br&gt;• School&lt;br&gt;• Hospital&lt;br&gt;• Hotel&lt;br&gt;• Theatre/Cinema</td>
</tr>
<tr>
<td>Cylinder types</td>
<td>• all reversible key systems</td>
<td>• Home&lt;br&gt;• Apartment buildings&lt;br&gt;• Office&lt;br&gt;• Metro station&lt;br&gt;• School&lt;br&gt;• Hospital&lt;br&gt;• Hotel&lt;br&gt;• Theatre/Cinema</td>
</tr>
</tbody>
</table>

### Duplo function
Cylinders have two types of keys. One key operates the latch of the lock and the other key operates the latch and the deadbolt. When deadbolt is withdrawn, the key that operates the latch will work. When deadbolt is engaged, the key that operates the latch will not work.

### Protection mechanism against dust, weather and insects
If required you can protect the outside of the cylinder and extend the mechanical life. Choose from different options – the insert dust and weather protection cap or the full cylinder protection device, whose spring loaded plates are pushed open when inserting the key and spring closed when the key is retracted.

### Thermally insulated cylinder – TIC
Cold outside – dry inside
The construction provides protection against condensation on the inside of the door (even in extremely cold outside temperatures). In addition, it protects against rain and reduces draft through the cylinder.

### Thumb turn
The Thumb turn is on the inside and allows you to lock and unlock doors from the inside without a key which is very comfortable. Depending on the application you can choose up to four different thumb turn models.

### WC or bath room cylinder
For WC or bath room doors. Visual indication from the outside, whether the toilet or the bath room is occupied (red) or vacant (green). Can be opened from the outside in case of emergency.

### Kaba modular system
The Kaba modular system lets cylinders be rebuilt on site to other lengths or even other cylinder types with little effort. The keying remains unchanged.

### Cylinder types
Cylinders are available for different types and use cases:
- Double, single and thumb turn cylinders in Europrofile, Swiss round profile, Scandinavian and Union oval profiles, French round profiles
- Outside and inside cylinders for surface mounted locks
- Furniture cylinders and locks
- Camlock cylinders
- Key switch cylinders
- Elevator control cylinders
- Padlocks
- Window handles and olives
- Key deposit tubes
- Key storage cabinets
Functions

Mechatronic and electronic

Stay flexible, stay secure
Aside from mechanical key systems, we also offer mechatronic and electronic solutions for modern access and security management. Our keys can also be retrofitted with an electronic chip, for instance. The Kaba smart key can be combined with all dormakaba mechanical and electronic door components.

Security card as user ID
Use your security card to identify yourself as the legal owner of your mechanical key system. Should you wish or need to order duplicate keys or additional lock cylinders your security card simplifies the order process, as well as preventing access to duplicate keys by unauthorised persons.

Applications or OEM
Dormakaba specialises in fulfilling special requirements. More than 1,000 applications have been realised for customer specific applications. If you require a special solution please do not hesitate to contact us with your inquiry.

Available systems
- Home
- Apartment buildings
- Office
- Metro station
- School
- Hospital
- Hotel
- Theatre/Cinema

Applications
- • all reversible and serrated key systems

Surfaces finishes
- • all reversible and serrated key systems

NI/ nickel natural
MS/ brass natural
CR/ chrome standard

BH/ brown light
BM/ brown medium
BD/ brown dark

MP/ brass polished
NIC/ chemically nickel plated
CRP/ chrom polished
## Combination of functions – reversible key systems

<table>
<thead>
<tr>
<th>Cylinder type</th>
<th>Order Code</th>
<th>Optional special function „x“ possible combination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double cylinder (DZ/30/30)</td>
<td>DZ</td>
<td></td>
</tr>
<tr>
<td>Single cylinder (HZ/30)</td>
<td>HZ</td>
<td></td>
</tr>
<tr>
<td>Thumb turn (DZ/20/30)</td>
<td>DHZ</td>
<td></td>
</tr>
<tr>
<td>Thermally insulated cylinder – double cylinder</td>
<td>TIC</td>
<td></td>
</tr>
<tr>
<td>Thermally insulated cylinder – thumb turn</td>
<td>TIC</td>
<td></td>
</tr>
</tbody>
</table>

### Special function

<table>
<thead>
<tr>
<th>Special function</th>
<th>Order Code</th>
<th>Optional special function „x“ possible combination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self changing cylinder – 1x adjustable</td>
<td>BAZ</td>
<td></td>
</tr>
<tr>
<td>Double key override function</td>
<td>BSZ</td>
<td></td>
</tr>
<tr>
<td>Snap function</td>
<td>GF</td>
<td></td>
</tr>
<tr>
<td>Emergency override key function</td>
<td>GP</td>
<td></td>
</tr>
<tr>
<td>Priority function</td>
<td>PF</td>
<td></td>
</tr>
<tr>
<td>Relative cam movement</td>
<td>BB</td>
<td></td>
</tr>
<tr>
<td>Dust and weather protective cap</td>
<td>SSW</td>
<td></td>
</tr>
<tr>
<td>Insert dust protection cap</td>
<td>300x</td>
<td></td>
</tr>
<tr>
<td>Thermally insulated cylinder</td>
<td>TIC</td>
<td></td>
</tr>
<tr>
<td>Secure Access Temporary Function 2</td>
<td>SAT2</td>
<td></td>
</tr>
<tr>
<td>Pulling protection with steel shims</td>
<td>LAM</td>
<td></td>
</tr>
<tr>
<td>Wear resistant chemically nickel plated</td>
<td>NIC</td>
<td></td>
</tr>
<tr>
<td>VdS certified: pulling protection class A</td>
<td>VDSB</td>
<td></td>
</tr>
<tr>
<td>VdS certified: pulling protection class B</td>
<td>VDSBZ</td>
<td></td>
</tr>
</tbody>
</table>

## Combination of functions – serrated key systems

<table>
<thead>
<tr>
<th>Cylinder type</th>
<th>Order Code</th>
<th>Optional special function „x“ possible combination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double cylinder (DZ/30/30)</td>
<td>DZ</td>
<td></td>
</tr>
<tr>
<td>Single cylinder (HZ/30)</td>
<td>HZ</td>
<td></td>
</tr>
<tr>
<td>Thumb turn (DZ/20/30)</td>
<td>DHZ</td>
<td></td>
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</table>

### Special function

<table>
<thead>
<tr>
<th>Special function</th>
<th>Order Code</th>
<th>Optional special function „x“ possible combination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self changing cylinder – 2x adjustable without separate key</td>
<td>SUZ</td>
<td></td>
</tr>
<tr>
<td>Dust and weather protective cap</td>
<td>SSW</td>
<td></td>
</tr>
<tr>
<td>Special resistant</td>
<td>SWF</td>
<td></td>
</tr>
<tr>
<td>Anti-pulling</td>
<td>AS</td>
<td></td>
</tr>
<tr>
<td>Pulling protection with steel shims</td>
<td>LAM</td>
<td></td>
</tr>
<tr>
<td>Wear resistant chemically nickel plated</td>
<td>VK</td>
<td></td>
</tr>
<tr>
<td>VdS certified: pulling protection class A</td>
<td>VDSB</td>
<td></td>
</tr>
<tr>
<td>VdS certified: pulling protection class B</td>
<td>VDSBZ</td>
<td></td>
</tr>
<tr>
<td>VdS certified: pulling protection class A2</td>
<td>VDSAZ</td>
<td></td>
</tr>
</tbody>
</table>

### Master Key Systems

- Master Key Systems (MKS)
- Bolt Key Systems (BKS)
- Anti-Pull Key Systems (APS)
- Anti-Pull Key Systems with Steel Shims (APS/S)
- Secure Locking Devices (SLD)
- Secure Locking Devices with Steel Shims (SLD/S)
- Secure Locking Devices with Pulling Protection (SLD/P)
- Secure Locking Devices with Pulling Protection and Steel Shims (SLD/P/S)
- Secure Locking Devices with Drilling Protection (SLD/D)

### Functions

- Emergency Override Key Function (EOK)
- Priority Function (PF)
- Pulling Protection (PP)
- Relative Cam Movement (RCM)
- Freewheel Cylinders (FW)
- Secure Access Temporary Function 1 (SAT1)
- Secure Access Temporary Function 2 (SAT2)
- Pulling Protection with Steel Shims (LAM)
- Wear Resistant Chemically Nickel Plated (NIC)
- VDS Certified Pulling Protection (VDSB)
- VDS Certified Drilling Protection (VDSBZ)
- VdS Certified Pulling Protection (VDSB)
- VdS Certified Drilling Protection (VDSBZ)

### Options for Dust and Weather Protection

- Options for increased burglary protection
- Options for pulling protection with steel shims
- Options for wear resistant chemically nickel plated

### Additional Protection

- Sea water resistant
- Dust and weather protective cap
- Insert dust protection cap
- Thermally insulated cylinder
- Pulling protection with steel shims
- Wear resistant chemically nickel plated
- VDS certified: pulling protection class A
- VDS certified: pulling and drilling protection class A2
- VDS certified: pulling and drilling protection class B
Customer first
We always focus what we do on the needs of our customers, partners and users.

Curiosity
We constantly scout for trends as the inspiration for future-focused solutions.

Performance
We go the extra mile to ensure customer satisfaction and set the bar high in terms of security, quality and reliability.

Courage
We are committed to continuously developing solutions that generate genuine added value for our customers and users.

Trust
Our core corporate value is at the heart of everything we do, so customers can rest assured that they are in good hands.