

As a competent specialist,
we have lock cylinders
readily available for you to keep
you secure

expert by dormakaba



One key for all

The expert system makes it possible for each user to have their individual authorisations within the locking plan hierarchy stored on a single key – whether that be for private or business purposes. This makes for a neat and tidy way of working, makes the key ring less heavy and saves always searching for the right key.



Do you need more security?

Configure expert according to your requirements

The dormakaba expert reversible key system (version K95) can be tailored to your needs on site by authorised locksmiths, who are also the sole point of contact for key copies. Its versatility makes expert ideal for securing and organising access to any building – not only to family homes and residential complexes but also to public buildings and industrial properties.

Areas of application

- Healthcare
- Office buildings
- Hotels & catering
- Education
- Industry & production
- Shopping & retail
- Privately owned housing
- Government & administration
- Sport & culture
- Transport & logistics

Your advantages at a glance

- Long-term protection by European patent EP4261366A1* – valid until 2043
- High level of security through compliance with relevant standards, for example EN 1303 and DIN 18252
- Certifications according to VdS-B and VdS-BZ
- Technical construction protects very well against the most common opening methods
- Modular system structure for economic adjustment to new requirements
- Reversible key without sharp edges can be inserted from both sides
- Optional security elements and special functions for even higher levels of protection
- Flexible in its use: for basic to highly complex master key system types
- Can be combined with dormakaba electronic access systems
- Environmental Product Declaration (EPD) available

*Not valid in all countries – see worldwide.espacenet.com for details

Design your own master key system

The possibilities are endless

Support with planning

expert can be used freely with all master key system types – from the one-key-for-all solution for home use, to large, complex systems with different access authorisations.

The basis is a key plan, according to which selected keys can open a series of specific doors.

To design the key plan, we examine and evaluate our customers' requirements in detail. This means that you will have better control, save costs incurred by duplicate keys and reduce the total number of keys.

Different applications require different solutions



Private homes



Residential complexes

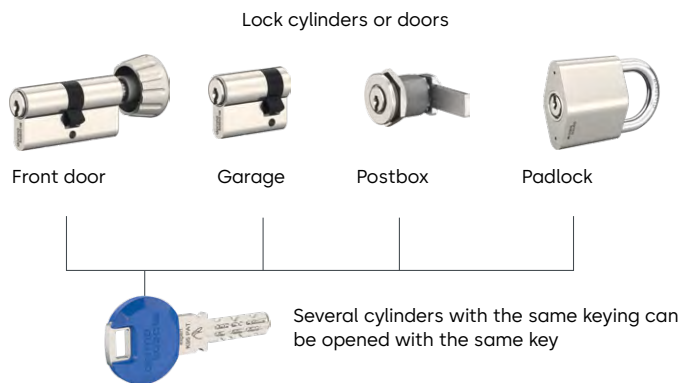


Office buildings or company sites



Large and complex facilities or public facilities

Examples of various master key systems

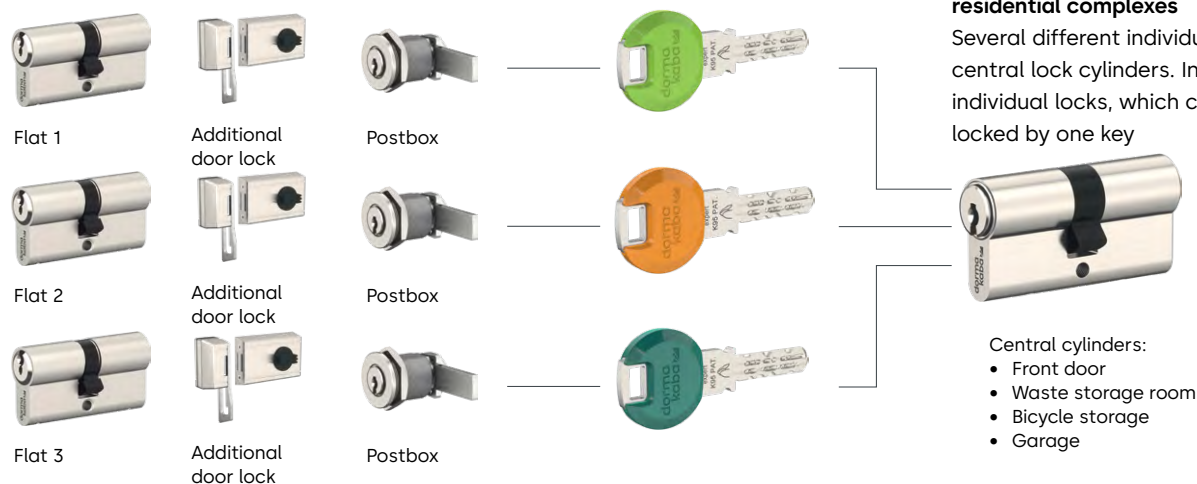


Keyed-alike lock cylinders – e.g. for family homes

All or selected lock cylinders can be locked with the same key. This simplifies handling and reduces the size of the key ring

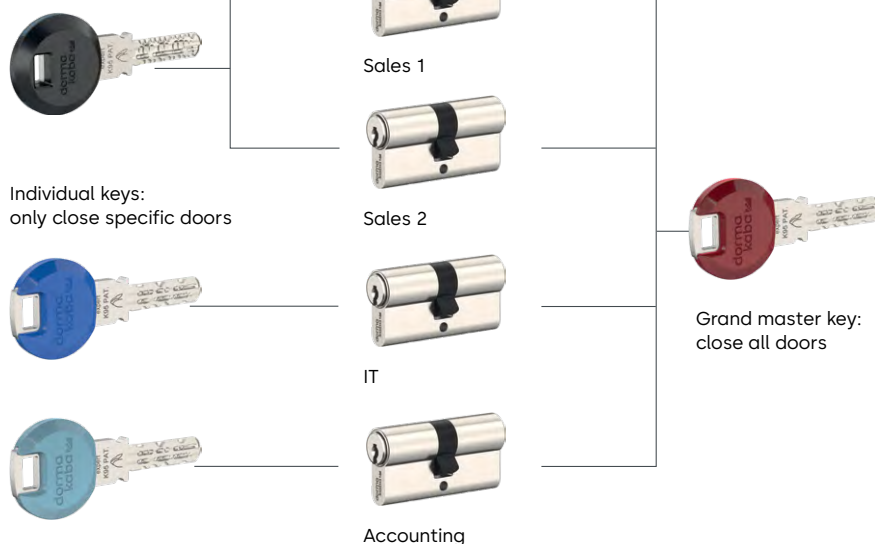
Central master key systems – for residential complexes

Several different individual keys can close central lock cylinders. In addition, there are individual locks, which can each only be locked by one key



Group keys:
close a specific area – here with
RFID clip for integration into
electronic access control system

Lock cylinders or doors



Grand master key systems – for office buildings through to airports

Here, the functions of a master key system are expanded by the grand master key, additional main group keys and group keys.

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Precise mechanics – necessitate production processes in line with the very latest technology

Our products are high in both quality and reliability. We combine high standards in materials and functionality with experience, know-how and an innovative spirit when it comes to developing manufacturing our products.

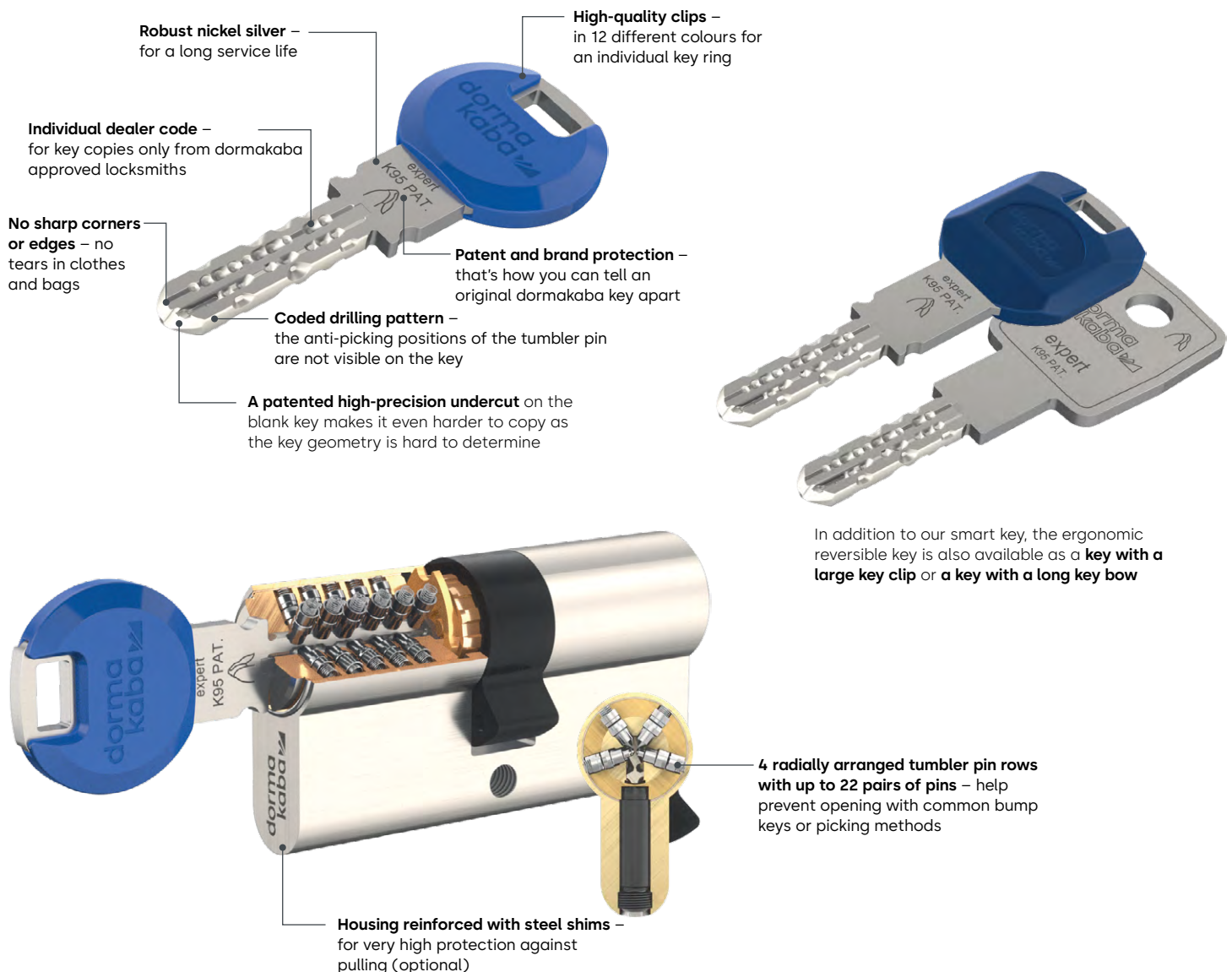
Safety on second glance

Reversible key systems and lock cylinders

All-round protection as standard

- The high number of undivided pin pairs and the use of hardened steel materials protect against the most common opening methods
- Using the bumping method (Rapido method) to open the lock cylinder is not realistic under real operating conditions
- Depending on the requirements, additional security features, such as steel reinforcement shims and anti-drill or pulling protection can be selected
- Dust, insect or weather protection help depending on the installation
- Different rotary knob variants and coupling functions (e.g. key override from both sides or priority function) offer greater convenience

Even more technical features on request



Security and sustainability

Our commitment



Patent protection

expert is protected by European patent EP4261366A1*, valid until 2043.

Brand protection



Mountain
Peak

Our systems are additionally marked with a logo that is protected as a figurative mark and that makes them easy to identify. This figurative mark symbolises that this is an original key produced by dormakaba. Spare keys are exclusively produced by authorised partner specialists.

Security card

Every new expert and expert cross master key system and every serial cylinder is supplied with a security card containing all the security information about the system. This card is used to manage the master key system data and to identify the owner when ordering key copies.



Standards and certificates expert plus and expert cross

- EN 1303: Key Related Security Grade 6 and Attack Resistance Grade D for versions with steel reinforcement in the housing
- Additionally available safety standards/certificates:
 - DIN 18252: Grade C and D
 - VdS: Grade B+ and BZ+
- Fire protection: Lock cylinder tested according to EN 1634-1 and EN 1634-2

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Our sustainability commitment

We are committed to fostering sustainable development along our entire value chain in line with our economic, environmental and social responsibilities towards current and future generations.

Sustainability at product level is an important, future-oriented approach in the field of construction. In order to give quantified disclosures of a product's environmental impacts through its entire life cycle, dormakaba provides Environmental Product Declarations (EPDs), in which the results of the life cycle assessment (LCA) are presented. You can find our EPDs and further information on our commitment to sustainability [here](#) or by scanning the QR code.



Environmental Product Declaration: EPD

- In line with ISO 14025 and EN 15804+A2
- Publisher and programme holder: Institut Bauen und Umwelt e.V.



Modular design

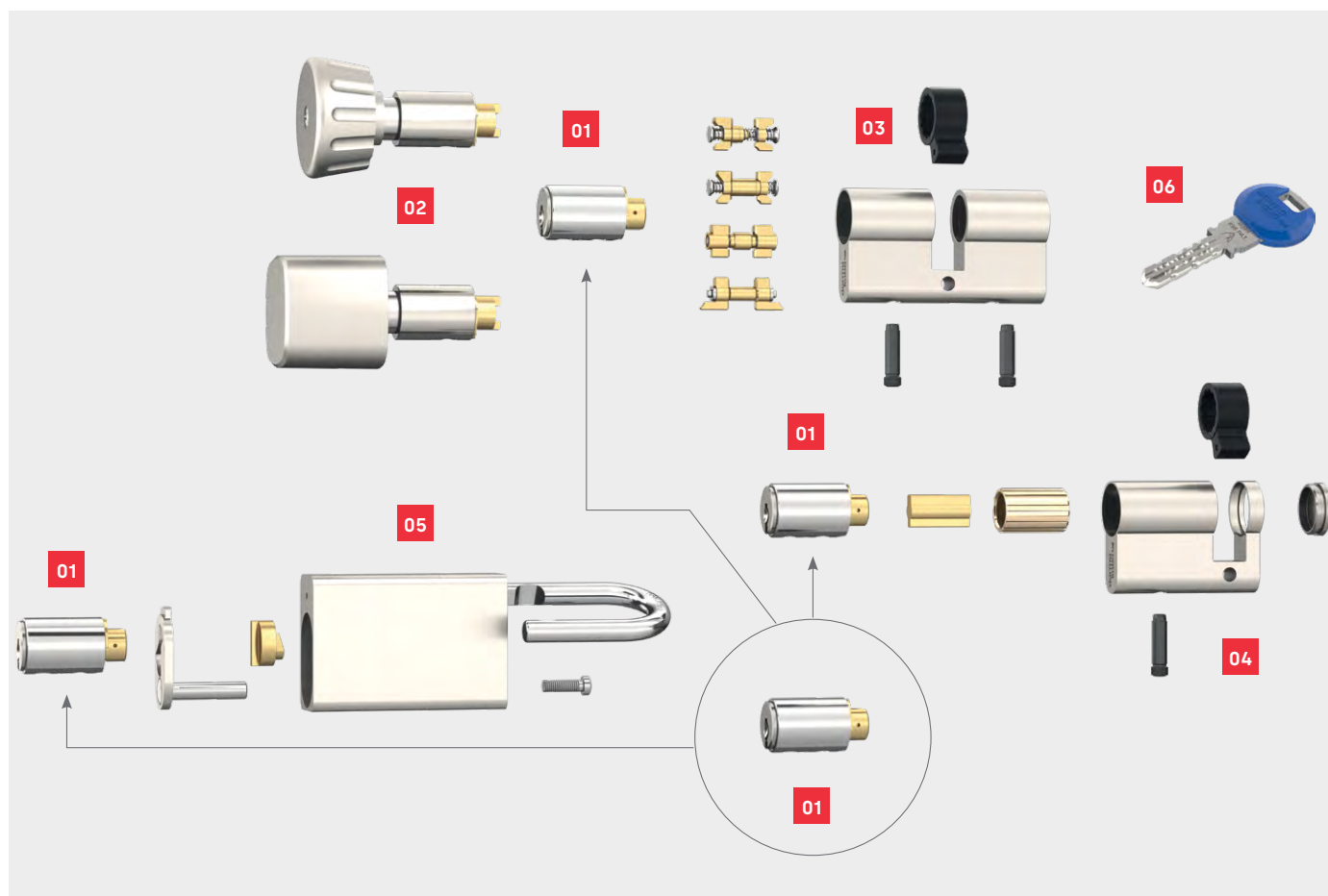
Maximum flexibility

Quick and inexpensive to adapt

The expert reversible key systems offer high levels of investment protection, even when requirements change over the years. A modular, upward-compatible system structure allows the lock cylinders to be quickly and easily converted to other lengths and types. The existing lock cylinder can be adapted to a new length with little effort, for example for a new entrance door, or can be fitted with an elegant thumbturn knob.

The core of the system is formed by modular interchangeable inserts that can be used without a problem in all cylinder types, such as single cylinders, thumbturn cylinders, rim cylinders, cylinder cabinet locks, padlocks and camlocks. The combination of different lengths of cylinder housings (complete housings), couplings and cam hubs opens up almost unlimited possibilities for the conversion of a provided access solution.

Economically sustainable



01
The modular insert contains the locking authorisation for the keys and can be integrated into all reversible key cylinder types

03
Different lengths of the double cylinder housing enable easy length conversion

05
Padlock with an insert

02
A thumbturn knob can be retrofitted very easily

04
Single cylinder with an insert

06
Key with locking authorisation according to the key plan

A key ring can tell
a thousand stories.
So we've made them
a little more vibrant.



Key design

A masterpiece of design and technology: in addition to its renowned quality attributes, expert also sets itself apart with its chic design and high degree of functionality. The colourful clip makes for a distinctive look. These can be easily switched and swapped by your specialist partner and are available in 12 different colours, so you can design your key ring to your personal taste. When it comes to residential complexes or complex master key systems, colours can be used to represent the organisation, to signal certain business divisions or roles, for example.





Trend colour black
– also looks good on
lock cylinders

Lock cylinder finishes

Design and mechanics combined

Since colours and finishes are and always have been an important design aspect, our mechanical lock cylinders come in a wide variety of finishes, with nickel-plated and natural brass as standard. The black lock cylinder is included in our range as BKM – black matt and is based on RAL colour 9005. Depending on your requirements and preferences, different finishes can be combined in one locking system.



01
NI | Natural nickel*

02
MS | Natural brass*

03
CR | Chrome-plated standard

04
NIC | Chemically nickel-plated

05
CRP | Polished chrome

06
MP | Polished brass

07
BM | Medium brown

08
BD | Dark brown

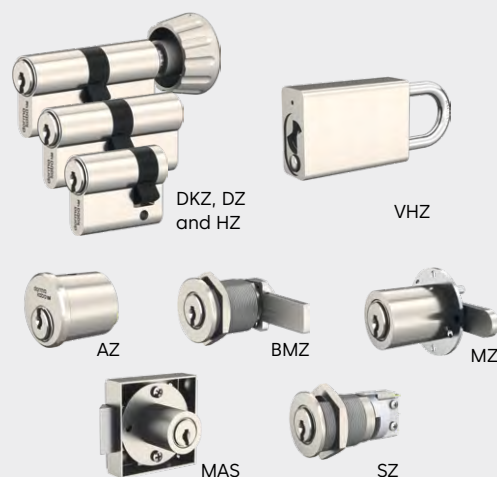
09
BKM | Black matte

Cylinder surfaces are not colour-reproducible.
*Standard surface

A wide range – free choice when it comes to type

The cylinder range features a wide variety of types to choose from. What's more, you can also integrate cylinders for cabinet locks, key-operated switches or lift controls into the system.

Some cylinder lock types



DKZ
Thumbturn cylinder

DZ
Double cylinder

HZ
Single cylinder

VHS
Padlock

AZ
Rim cylinder

BMZ
Camlock

MZ
Cylinder cabinet lock

MAS
Furniture dead lock

SZ
Key switch cylinder



Thermally insulated
lock cylinder for
your added value

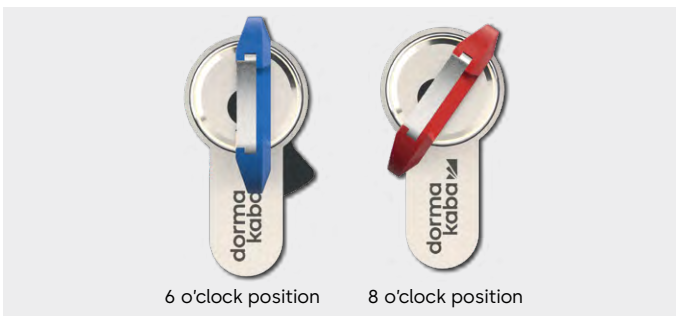
Added value for your master key system

Useful special functions

Depending on your requirements, you can supplement your individual solution with one of our numerous special functions. These offer added value in terms of functionality and benefits.

For details, please refer to the **Special functions for reversible key systems** brochure.

Service function (SAT)

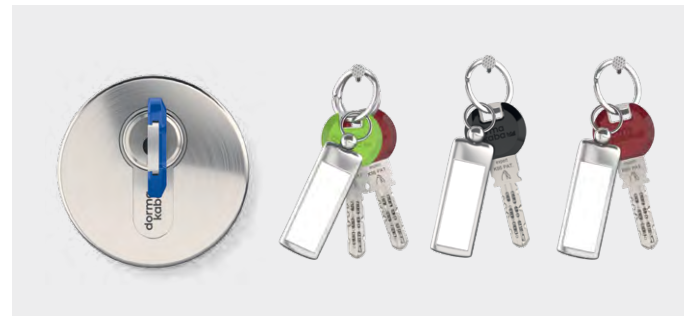


Temporary access for service personnel?

Just turn the key!

There is an owner key and a service key. If the owner key is removed from the cylinder in the 8 o'clock position, the door can also be unlocked with the service key. If the owner key is removed in the 6 o'clock position, the door cannot be opened from the outside with the service key.

Construction phase function (BAZ)



Modify access authorisation in a flash?

Possible with the 3-in-1 lock cylinder.

Using the BAZ cylinder, you can withdraw the access authorisation of different keys or key groups simply by means of a conversion key. So, whether you want to withdraw access rights for a particular person or have lost a key, there is no need to change the lock cylinder.

Thermally insulated lock cylinder (TIC)



Cold and damp outside? Everything dry inside.

The separation of the outside and inside with plastic components ensures thermal insulation. Condensation cannot form on the inside of the door, even when it is extremely cold. A foam rubber seal on the outside of the lock cylinder protects against draughts and driving rain.

Lock cylinder with key override on both sides



Key left in the lock? Not a problem!

The double cylinder makes it possible to unlock the door from the opposite side with an authorised key when a key is inserted on one side and rotated in any direction. The inserted key turns with it. This function is guaranteed to work on both sides of the double cylinder.

Our Sustainability Commitment

We are committed to foster a sustainable development along our entire value chain in line with our economic, environmental and social responsibilities toward current and future generations. Sustainability at product level is an important, future-oriented approach in the field of construction. In order to give quantified disclosures of a product's environmental impact through its entire life cycle, dormakaba provides Environmental Product Declarations (EPD), based on holistic life cycle assessments.

www.dormakaba.com/sustainability



Our offering

Access Automation Solutions

Entrance Automation
Entrance Security



Access Control Solutions

Electronic Access & Data
Escape and Rescue Systems
Lodging Systems



Access Hardware Solutions

Door Closers
Architectural Hardware
Mechanical Key Systems



Services

Technical Support
Installation and commissioning
Maintenance and Repair



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