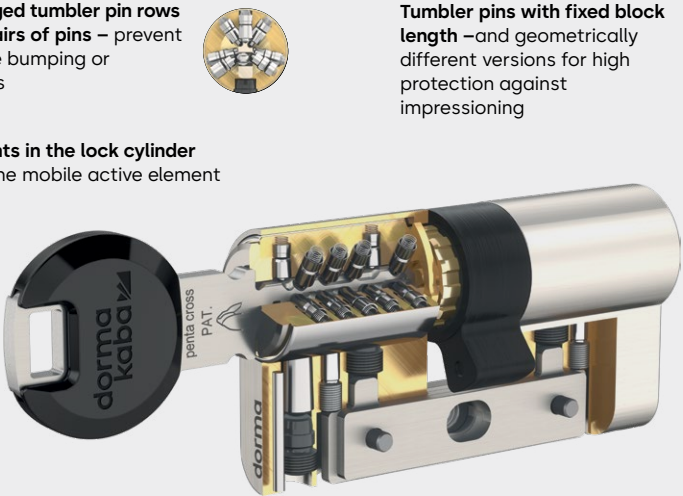# dormakaba

dormakaba penta cross
Reversible key system

5 radially arranged tumbler pin rows with up to 22 pairs of pins – prevent attack using the bumping or picking methods

Tumbler pins with fixed block length – and geometrically different versions for high protection against impressioning

Security elements in the lock cylinder – for querying the mobile active element

Ergonomic reversible key – can be inserted from both sides

Robust nickel silver – for long product life

No sharp corners or edge – no tears in clothes and bags

High quality clips – in 12 different colours

Cross-shaped recess – with movable active element for high copy protection

Coded drilling pattern – the anti-picking positions of the tumbler pin are not visible on the key

Housing reinforced with steel shims – for very high protection against pulling (optional)

Carbide inserts – hardened pins in the housing provide extra protection against drilling (optional)

The dormakaba penta cross reversible key system combines tailormade security and very high copy protection with convenient operation. Individual closings, serial lock systems or highly complex master key systems, the versatility of the system makes it ideal for and organising access to any building – not only to family homes and residential complexes but also to public buildings and industrial properties.

Secure
- High level of security through compliance with relevant standards, for example EN 1303 and DIN 18252
- Long-term protection by European patent EP2890856B1* and EP3280854B1*
- Technical construction protects against the most common opening methods

Copy-protected
- Additional cross-shaped recess with movable active element in the key
- Querying of the active element in the lock cylinder to release the closing process

Flexible
- Flexible in its use with basic to highly complex master key system types
- Optional security elements for even greater protection
- Can be combined with electronic access systems from dormakaba

Factsheet

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

Certified security and a multitude of possibilities

Certificates

- EN 1303 Key Related Security Grade 6 and Attack Resistance Grade D for versions with steel reinforcement in the housing
- Safety standards/Certificates (expanded):
  - DIN 18252 Grade C and D
  - VdS Grade B+ and BZ+ for corresponding special design
- Fire protection: Lock cylinder tested according to EN 1634-1 and EN 1634-2

Different types of keys with different shapes and functions

Standard key with black clip

Key with Largekey clip

Key with nickel silver long key bow

Key with RFID transponder clipfor integration into electronic access control systems

Colours as a visual aid

For the **standard key,** there are Smartkey clips in 12 colours.

The**key with Largekey clip** is available in 12 colours.

The**RFID transponder clips** have 6 coloured ring elements for easier identification.

Free choice of lock cylinders

The cylinder programme features a wide selection of types to choose from. You can also integrate, for example, cylinder for cabinet locks, key-operated switches or lift controls into the system. Choose between various cylinder surfaces to match your design.

Any questions? We will be happy to assist you.

Added value upon request:
Special functions
If you have very specific requirements for the complete master key system or individual doors, take a look at our comprehensive range of special functions and special designs. For more details on this, please refer to theSpecial functions for reversible key systems brochure.

Special functions at a glance:
- **Key left in the lock? Not a problem!**
  Lock cylinder with key override on both sides (BSZ)
- **Lots of dust in the air? But not in the lock cylinder.** Dust and weather protection (SSW)
- **Cold and damp outside? Everything dry inside.**
  Thermally insulated lock cylinder (TIC)
- **Heavy use or corrosion? The lock cylinder is equipped for this.**
  Chemically nickel-plated version (NIC)

Our Sustainability Commitment
We are committed to fostering a sustainable development along our entire value chain in line with our economic, environmental and social responsibilities toward current and future generations. We seek an open, transparent dialogue with all stakeholders to define strategies and actions based on clear targets and continuous improvement, and we actively report on our progress.

Environmental product declaration: EPD
- Declaration number: EPD-DOR-20210182-CBA1-EN
- In line with ISO 14025 and EN 15804+A2
- Publisher and declaration holder: Institut Bauen und Umwelt e.V.