



Patent



Mountain
Peak

dormakaba quattro plus - New Copy Protection

New patent for dormakaba quattro plus, valid until 2033

dormakaba stands for reliability, security, highest quality and sustainability. The new European patent EP2890856B1 for key blanks, keys and the system increases the patent duration for a further 20 years until 2033.

The new coding on the key tip cannot be produced with conventional key milling machines. If the code is not present the key can be neither inserted nor turned. New shapes of the tumbler pins let the key glide even more smoothly into the keyway. Keys are only available from dormakaba or from authorised dealers. Duplicate keys or additional cylinders to a keying or master key system are only available against presentation of legitimation, e.g. the security card, which is provided with each dormakaba security cylinder.

Reversible key from the inventor

When invented, the reversible key, for the very first time it did not matter from which side the key was inserted, so or so. Today the reversible key stands not only for user convenience, but also for high permutation capacity and highest security against illegal key copies and opening by manipulation such as picking or bumping.

Certified security

dormakaba quattro plus holds many international certificates against opening the cylinder by drilling, pulling, picking and bumping. All certificates are available on request.

Brand protection

dormakaba quattro plus lock cylinders are quality brand products that have a high recognition value.

The Advantages of dormakaba quattro plus at a Glance

- European Patent EP2890856B1, valid until 2033
- Key blanks are not available for retail sale
- Duplicate keys are only available against legitimation
- The key can be inserted from both sides and has no sharp edges
- With keyed alike cylinders or in a master key system the user needs only one single key
- The standard key clip is available in 12 different colours; the large clip in 7 colours
- Available in all common cylinder profiles and many special profiles
- High protection against opening by the bumping method and against drilling
- With steel reinforcement in the housing with steel shims, high protection against pulling
- Can be used in electronic access control systems with transponder clip
- OEM cylinders and custom made cylinders on request

More than mechanical security



dormakaba cylinders live twice as long. With the BAZ3 system the keying of the cylinder can be changed up to two times, without replacing the cylinder itself.

dormakaba cylinders can do more than just lock and unlock.

With its special functions, dormakaba cylinders can do more than you would think:

- 3 different thumbturn knob shapes
- Blind on one side
- Cylinder with electrical contact
- Priority (the key unlocks from the outside, if a key is in the cylinder on the inside)
- Double key override allows opening regardless on which side a key is inserted in the lock cylinder.
- Emergency key (for rescue services)
- Duplo function - a second key can only turn the latch
- Construction time changes the keying without replacing the lock cylinder
- Freewheel cam for emergency and gear operated locks
- Cam with relative movement
- Cogwheel cam with up to 18 teeth
- Housing with steel reinforcement-plates against pulling

dormakaba Modular

The Modular System lets cylinders be rebuilt on site to other lengths or even other cylinder types with little effort. The keying remains unchanged.

Keys

dormakaba reversible keys are made of nickel sliver and are extremely wear resistant. They are available in 4 types.

For regular use:

- SmartKey clip in 12 colours
- SmartKey clip with RFID transponder for electronic access systems

A key is in the cylinder on the inside and you are standing outside the door? No problem for dormakaba cylinders with priority or double key override function. Ideal for schools, homes, detention, and many more

For use with security rosettes and multiple-point locks

- LargeKey clip in 7 colours
- Armour bow (without clip) also for customer coinage

Cylinder types:

- Double-, single- and thumbturn cylinders in Europrofile, Swiss round profile, Scandinavian and Union oval profiles, French round profiles
- Outside and inside cylinders for surface mounted locks
- Furniture cylinders
- Furniture locks
- Camlock cylinders
- Key switch cylinders
- Elevator control cylinders
- Padlocks
- Window handles and olives
- Key deposit tubes
- Key storage cabinets

High permutation capacity

4 radially arranged pin rows with up to 22 tumbler pin pairs on up to 44 possible positions yield over 2 trillion possible keyings. Large and complex master key systems can be realized.

Custom locks

The compact dimensions of the insert allows it be built into all kinds of locking devices and is ideal for use in OEM applications. Send us your locking device, we will design a fitting dormakaba lock for it.

You need increased pulling protection, but cannot install security door furniture on the door? The new VdS cylinder protects against pulling even in steel profile door frames.

International Certificates

- EN 1303
Key Related Security Grade 6
- EN 1303
Attack Resistance Grade D when used with security door furniture or with optional steel reinforcement shims
- DIN18252 Grade 82
- VdS B, BZ and master key systems
- FZG Cylinders with freewheel cam function for gear operated and emergency exit locks
- GOST (Russia)
- Kitemark (UK)

Investment security

The modular construction and the possibility, to extend master key systems and to retrofit mechanical keys with RFID transponders, guarantee flexibility and secure your investment for years ahead.

Subject to change without notice.
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Any questions? We would be happy to assist you and look forward to hearing from you.