



Patent protection:  
Security and protection for customers and partners



# Security by patent: Solid reliability.

## **Patented systems against illegitimate copies of keys.**

dormakaba puts a lot of money and effort into innovation to develop the various technical properties of our keys and cylinders, and to subsequently protect them under patents.

These patents provide legal protection against illegitimate copies of keys, and the sophisticated high-precision technology in turn makes it very difficult to make copies of keys.

Fundamentally, duplicate keys are only made by dormakaba itself or by authorised dealers.

## Arguments at a glance:

- Protecting technical inventions from undesired replication.
- Original products can only be obtained from dormakaba or authorised specialist partners.
- The security card provides protection from unauthorised key copies.
- The patent terms are different depending on the system.
- This offers you, as a dealer or consumer, even more added value.



Our patented cylinder systems are available with an option as in-house system or partner system. While the in-house systems (e.g. penta, gemini) are exclusively manufactured in our factories, our partner systems (e.g. expert, matrix, pextra) could also be assembled by our authorised dealers. In either case, re-ordering keys always requires identification by means of a security card or the individually agreed identification methods in each case.

## **Level concept of the partner systems**

### **Key blank:**

Keys and key blanks of our patented partner systems (for example, expert, matrix, pextra) are not freely available on the market. Rather, we sell them exclusively to registered and certified authorised dealers. A duplicate key is made with the patented key blanks.

### **The key milling machine:**

For dormakaba expert, only machines from two manufacturers currently available in the market are precise enough to make our technically challenging keys from the key blanks and to observe the necessary measurement tolerances in the  $\mu$ -range. If these tolerances are not reached, the key does not set the lock.

These key milling machines are extremely expensive and moreover, they are only capable of making a duplicate key from our key blank after confirmation from dormakaba via a password transfer to the specialist partner. The entire process, from development or manufacturing of a new key milling machine, up to commissioning by the partner, is contractually defined with the manufacturers of the key milling machines.

### **Security card:**

Our partners are contractually bound to make duplicate keys for our patented cylinder systems (for example, expert, matrix, pextra) only after the security card has been presented. Infringement will also result in legal consequences for the partner.



# Recognition value: Figurative marks for recognising originals.

The tip of the reversible key can be seen as a distinctive mountain peak and thus forms the foundation of our brand protection with the figurative mark "Mountain Peak".

On the serrated keys, the picture of the key profile ("branch groove") on the key head is visible as a trademark-protected logo.

dormakaba keys are reliable brand products that have a high recognition value. The systems specified below are also under patent protection, whereby duplicate keys may be legally manufactured only by dormakaba itself or our authorised specialist partners. In addition, our high-precision technology combined with our security concept makes it hugely difficult to manufacture unauthorised duplicates.

## **The following keys are marked with "PAT" for patent and a figurative mark:**

- dormakaba matrix
- dormakaba matrix plus
- dormakaba expert
- dormakaba expert plus und dormakaba expert cross
- dormakaba quattro plus
- dormakaba gemini plus
- dormakaba penta und dormakaba penta cross
- dormakaba pextra
- dormakaba pextra+

**To recognise our systems, they are additionally marked with a logo that is protected as a figurative mark. The figurative mark symbolises that the key is an original manufactured by dormakaba.**



Figurative marks "Mountain Peak" and "branch groove"



Developed in Switzerland.  
Manufactured in quality.

Quality and reliability are the values that our products stand for. We combine stringent material and functionality requirements with experience, know-how and innovative spirit in the development and production of our products.

Authorised dormakaba dealer:

WN 05496551532, 04/21, Patent protection, EN  
Subject to technical changes.