

# pExtra PXP

Patented Master Key  
System to 2032



Mechanical  
Key Systems

The security lock  
cylinder system  
with extra  
protection and a  
long key patent life



**Two strong global brands—  
Dorma and Kaba – have  
combined forces and are now  
offering you a comprehensive  
portfolio of smart & secure  
access solutions, all from one,  
reliable source.**

Our new product portfolio includes everything from locks and keys to a fully networked electronic access solution, and everything from door closers and automatic doors to a mobile partition system.

All supported by a comprehensive service network.

# Reducing the risk of unauthorised entry



## Advantages at a glance:

- Colour key inserts for ease of identification
- Multi profiles for large key systems
- Patent key system till 2032
- Anti-Bump protection
- Anti-Drill protection
- Protection against duplication of keys, key control
- Cylinders available for many different applications

### Extra patent protection

The pExtra PXP system is protected by the following patents:

- Patent EP 1 362 153 - valid until 2022
- Patent EP 2686510 - valid until 2032
- Patent Application WO2012/088562 - valid until 2032

### Pick resistant protection

Provided by an overlapping paracentric key profile and special pins.

### Anti-drilling protection

Provided by additional steel safety elements in the cylinder.

### Protection against the bumping method

A patented system by dormakaba using a centring pin (magnetic pin) has been proven to hinder opening cylinders by the bumping method. Even expert lock pickers have not been able to bump open a pExtra cylinder.

### High security standard

pExtra is certified to the following international standards

- AS4145.2 - Cylinder security Sc7
- AS4145.2 - Key security K8 (includes centering pin)
- EN1303 - Key related security Grade 4-6
- DIN 28252 Grade 82 (6 Pin)
- VdS Grades B, BZ and for master key systems

### For personal security

**Do you know where all your keys are?**

Duplicate keys may only be produced by an authorised dealer upon correct authorised signature.



One key to replace many

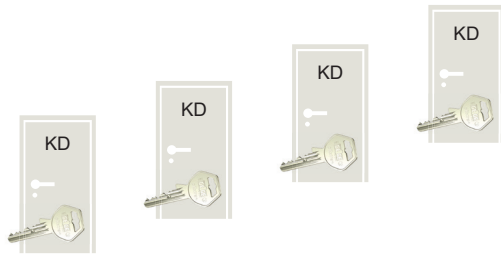
- 01**
- Car park entry
- 02**
- Retail level
- 03**
- Main foyer
- 04**
- Gymnasium
- 05**
- Office
- 06**
- Upper level office entry

# A closer look at mechanical key systems

pExtra PXP is a highly secure mechanical key system with a unique sophisticated key profile. The diversity of the pExtra PXP key system allows options ranging from a simple keyed alike system operated through the one key to a specific grand master key system, where multiple levels of access can be introduced.

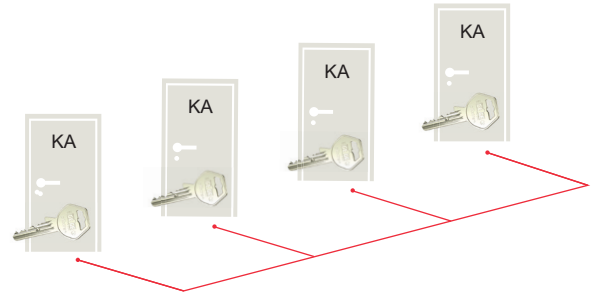
The pExtra PXP key system can be used in a variety of different applications such as building complexes, public offices, utilities or for your own private home.

pExtra PXP can be used in both new fits and retrofits. Available in a wide range of different lock types, for example mortice locks, rim locks, padlocks, furniture locks, cam locks and many more.



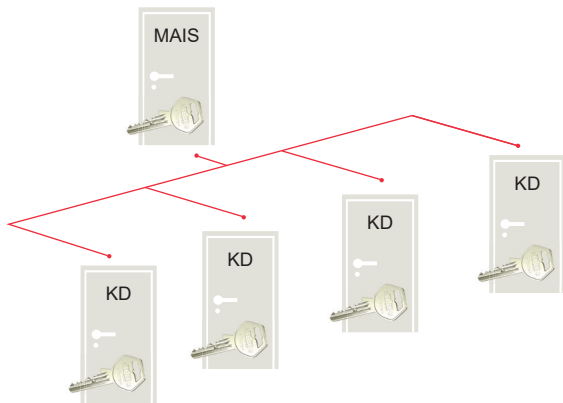
**Key to Differ (KD)**

Each cylinder can be operated by its own key.



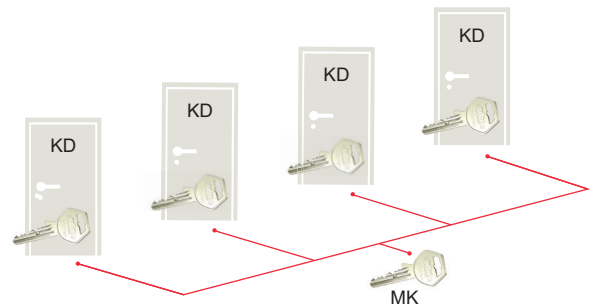
**Keyed Alike (KA)**

Several cylinders can be opened by the same key.



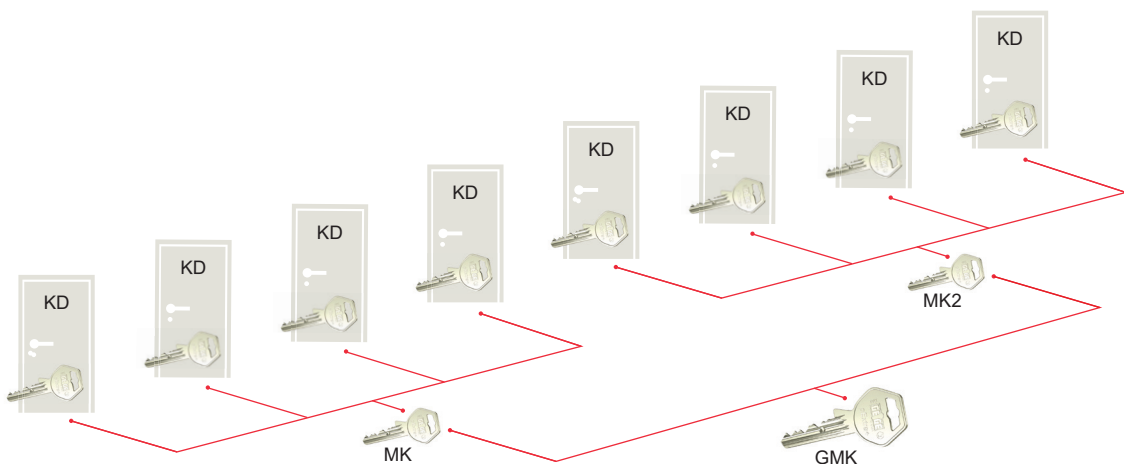
**Maisoned (MAIS)**

Each key opens its own cylinder and the maisoned entrance cylinder (e.g. the main entrance in an apartment block).



**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 respective master key and the grand master key.

# Three lives - before requiring a rekey – **It's as easy as 1two3**

The pExtra 1two3 system allows you to lose your keys up to 3 times before requiring a rekey. These rekeys can be built into the cylinder by the locksmith during the assembly stage of the cylinders using two special wafers.

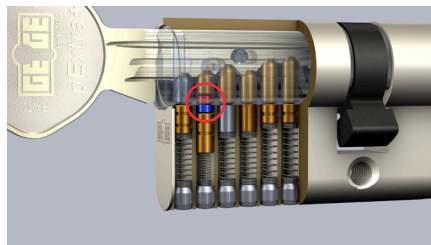
When you lose your key for the first time, you simply insert your second key into the cylinder. By inserting this key the first wafer is moved into the side of the plug allowing the new key to work, which in turn blocks the first key from working again.

When you lose your second key, you simply insert your 3rd key into the cylinder. By inserting this key into the cylinder, the second wafer is moved into the side of the plug allowing the new key to work, which in turn blocks the second key from working again.

**Note:** If Key 3 is used prior to Key 2 being used this blocks Key 2 from working.

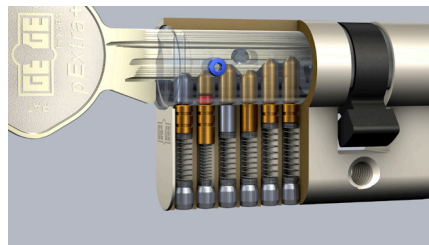
## Life 1

Key 1 is the first key that is to be used in your cylinder/lock. Key 2 and Key 3 are reserved for the future.



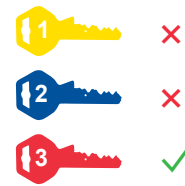
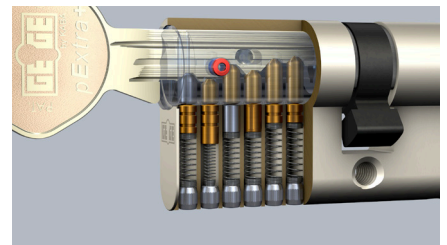
## Life 2

If you lose Key 1, you simply insert Key 2 to operate your cylinder. This blocks Key 1 from working again. Leaving Key 3 as a reserve for the future.



## Life 3

If you lose Key 2, you simply insert Key 3 to operate your cylinder. This blocks Key 1 and Key 2 from working again.



Two wafers are stored in the plug

# Construction Keying

Construction keying is commonly used on site during the construction phase of building.

If we consider a typical block of apartments:



**Phase 1**  
Construction Stage

A convenient way of providing continued security during the 3 phases of construction is to use pExtra Construction keying.

In simple terms, all cylinders are operated by the one key (KA) during the construction phase.



**Phase 2**  
Hand over to the developer/real estate

At "handover" the next stage key (commonly known as the developer key) is turned in the cylinder, moving the 1st construction wafer, and "changing" the combination of the cylinder to the key that has just been inserted. Blocking the Phase 1 key from working again.



**Phase 3**  
Hand over to the end user

Once the apartment is sold, to you as the owner you would insert your key into the cylinder and once the key is turned this moves the 2nd construction wafer, again "changing" the combination of the cylinder to the final combination, to your key. Blocking Phase 1 and Phase 2 keys from working again.

Authorised Dealer:

dormakaba - pExtra PXP Construction Keying Brochure. JUNE/18  
Subject to change without notice



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