



# Kaba Master Key Systems

For Your  
Personal  
Security

# Kaba Master Key Systems

## One Key for All

### What is a Master Key System?

A master key system is a system of lock cylinders, whose keying has been best combined for a certain number of keys within the system with different codes. Many keys can un/lock an entire group of lock cylinders, others e.g. can only un/lock only one lock cylinder. In this way a master key system becomes a discernible and economic access control solution, in which every key owner can only un/lock only those doors for which he has access privileges – one key for all. Master key systems can thus be used in any field – from family homes and apartment buildings to large sites in industry and in public office buildings with more complicated hierarchies of access privileges.

In a master key system (MKS) the master key unlocks all the lock cylinders in the system, the group key unlocks all the cylinders within its group and the individual key unlocks only one cylinder. All keys un/lock the central cylinder. In more complicated master key system structure the master key becomes a group key and the entire system can then be un/locked by the grand master key (GMK). The entire system can be un/locked by one single key.

### Grand Master Key (GMK)

This key un/locks all lock cylinders within a sophisticated master key system.

### Master Key (MK)

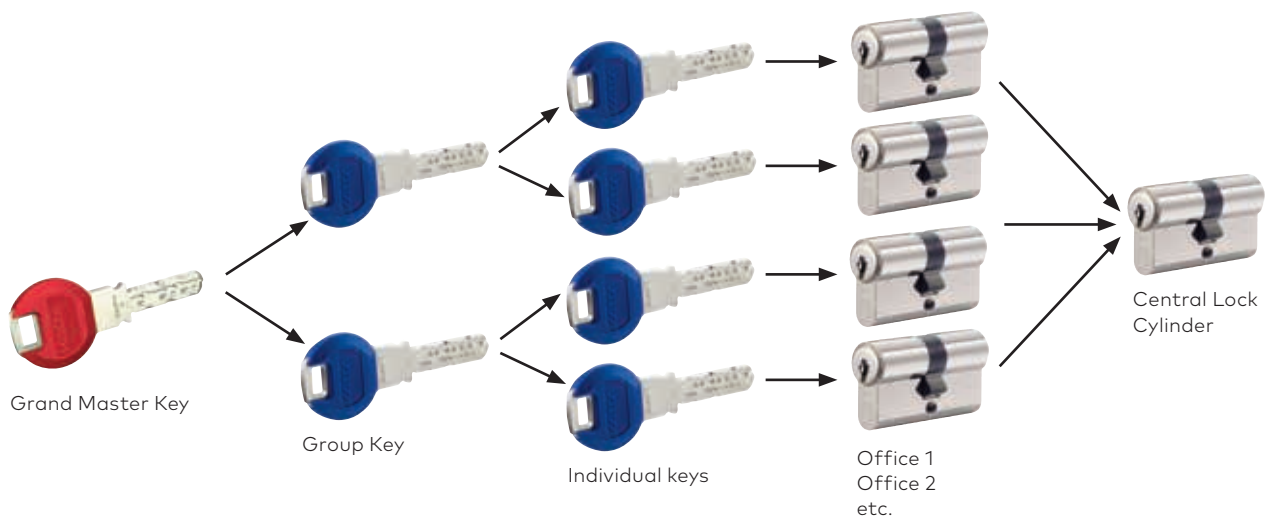
The master key un/locks all lock cylinders within less complex master key systems. In a grand master key system the master key becomes a group key.

### Group Key (GK)

The group key un/locks all cylinders in certain group of lock cylinders within a grand master key system (e.g. a floor of a building). In less complicated systems the group key becomes a master key within its hierarchy.

### Individual Key (IK)

The individual key is at the bottom of the privilege hierarchy. The individual key can only un/lock one certain cylinder, which can also be a central cylinder.





# Keyed Alike Cylinders or Master Key System

## Master key systems for private homes, public offices or building complexes

In a master key system it is possible to define access for private homes, companies or public buildings. The customer decides who has access with which key and where.

Your authorized Kaba dealer provides professional advice and consulting.

## One key for all

Kaba key systems can be used in all types of cylinders (double, single and thumbturn profile cylinders, furniture locks, padlocks, key switches, camlocks, surface mounted door locks and many more).

## dormakaba's specialty:

Cylinders can be ordered so that they can be opened with one single key (keyed alike cylinders).

## Cylinder Types

Thumbturn cylinder



Single cylinder



Padlock



Double cylinder



Rim cylinder



Furniture lock



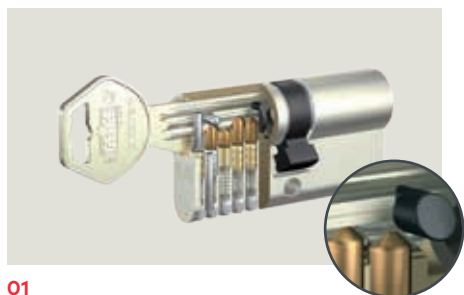
# Kaba Serrated Key Cylinder Systems Certification and Patent Protection

Kaba security cylinder systems are well conceived for master key systems and keyed like lock cylinders. Gege security lock cylinders are supplied with drilling protection in the barrel and housing as standard. Special tumbler pins protect against drilling, picking and against indestructible dynamic methods (bumping). Selected systems with patent protection and side elements on up to four positions provide a further increase of effective differs within master key systems. Gege Security cylinders are protected against illegal duplicate keys by a security card and long patent life.

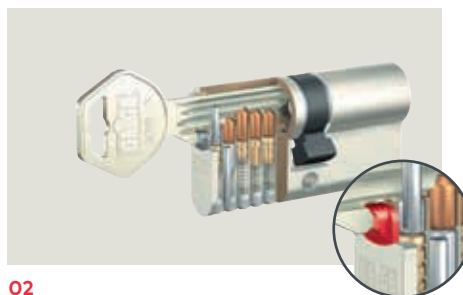
The systems meet the requirements of standard EN1303 for the respective security grades and those of NBU for secret levels "secret" and "top secret".

All systems can be supplied as double cylinders, single cylinders, thumbturn cylinders, padlocks, surface mounted cylinders, furniture cylinders and cam locks. All styles can be combined within the frame of a master key system.

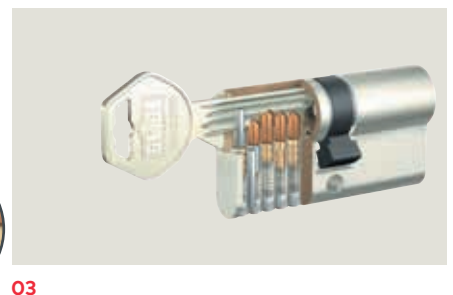
## Kaba cylinder systems and key clips in 11 colors



01



02



03



01

### Kaba pextra

EN 1303  
Key Related Security Grade 6  
Attack Resistance Grade 2\*  
EN 1627 Grade 4  
NBU "TS"  
Patent protection until 2022  
(System PX)  
Patent protection until 2032  
(System PXP)

02

### Kaba ANS2/CNS2

EN 1303  
Key Related Security Grade 6  
EN 1627 Grade 3  
NBU "S"  
Patent protection until 2014

03

### Kaba AP2000

EN 1303  
Key Related Security Grade 6  
EN 1627 Grade 3  
NBU "S"

\*with optional blocking pin

# Kaba Reversible Key Cylinder Systems Certification and Patent Protection

Kaba lock cylinders are ergonomically correct reversible key systems with up to 22 tumbler pin pairs in radially 4 or 5 radially arranged rows (quattro pluS and experT pluS or penta). For increased protection against drilling all tumbler pins are made of hardened chemically nickel plated steel. The fixation area of the insert is additionally secured with 4 mm thick bolt made of hardened steel.

Kaba master key systems protect against indestructive dynamic methods (bumping) and against picking even if the most modern tools are used.

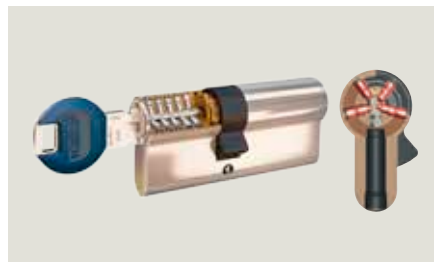
A reversible key is practically impossible to copy and is additionally protected by a security card and long patent life. Key blanks are not commercially available. The systems meet the requirements of standard EN1303 for the respective security grades and those of NBU for secret levels "secret" and "top secret".

All systems can supplied as: Double cylinders, single cylinders, thumbturn cylinders, padlocks, surface mounted cylinders, furniture cylinders and cam locks. All styles can be combined within the frame of a master key system. A new patent for key copy protection is pending with validity until 2033.

## Kaba cylinder systems and key clips in 12 colors



01



02



03



01

### Kaba penta

EN 1303  
Key Related Security Grade 6  
Attack Resistance Grade D\*  
EN 1627 Grade 4  
NBU "TS"  
European patent EP 2 890 856 B1  
valid until 2033

02

### Kaba quattro plus

EN 1303  
Key Related Security Grade 6  
Attack Resistance Grade D\*  
EN 1627 Grade 4  
NBU "TS"  
European patent EP 2 890 856 B1  
valid until 2033

03

### Kaba experT plus

EN 1303  
Key Related Security Grade 6  
Attack Resistance Grade D\*  
EN 1627 Grade 4  
NBU "TS"  
European patent EP 2 890 856 B1  
valid until 2033

\*with optional security elements



# Reference Sites



01



02



03



04

01

Sony Center in Berlin,  
Germany

02

Torre Europa in Madrid, Spain

03

Racetrack in Ascot, England,  
U.K.

04

Twin Towers in Kuala Lumpur,  
Malaysia

# Kaba evolo – Intelligent Upgrade for Mechanical Master Key Systems

The heart of the evolo system is a microchip (transponder), that is situated in mechanical keys, badges, key fobs, wrist watches, etc. Every transponder is unique and cannot be copied. Retrofitting electronic access control with the help of transponders helps to attain simple and flexible organization of access privileges and increases the security of Kaba master key systems.

## Unlimited Flexibility

Thanks to the combination of mechanical and electronic control on one medium, it can be used in combined systems as a mechanical or electronic medium or as combined components within the master key system – one medium for all.

## Simple Access Organization

Simple management and programming facilitates quick and flexible organization of access privileges according to current requirements, and if required with time limitations. Key loss is no longer a problem, the medium is electronically revoked from the system.

## Transaction memory

Any door that is equipped with an evolo component has its own "Trans-action Memory". Later on the history of all door transactions, granted and denied, can be retrieved and evaluated.

## Simple Installation

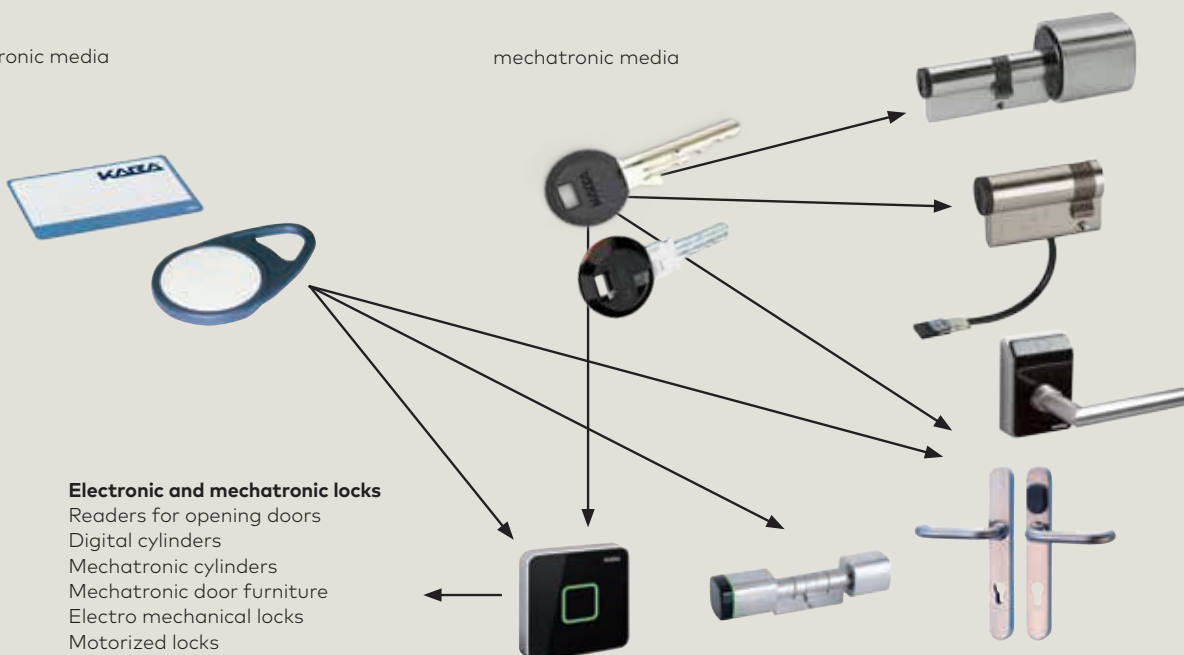
The system is autonomous thanks to power supply by commercial batteries. Wiring and reworking doors is no longer needed.

## Investment Security

Mechanical Kaba master key systems can be retrofitted and expanded at any time by evolo with electronic access points. The customer can be sure that his existing mechanical system can be upgraded to a mechatronic system without extensive wiring and can increase the investment in the areas of organization and security.

electronic media

mechatronic media





Certified Management System  
ISO 9001:Reg No. Q1530367  
Technical changes reserved.

dormakaba  
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