

Locking systems:

The following systems of different structure and sizes can be produced:

- central lock system
- master key system
- grand master group key system
- grand master main group key system

On customer's request, also available:

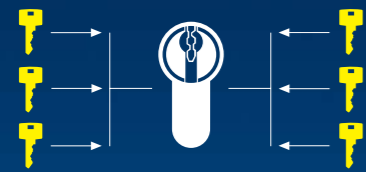
- uni-locking profile cylinders
- keyed alike cylinders
- grand master key central lock systems
- combinations of the individual locking systems



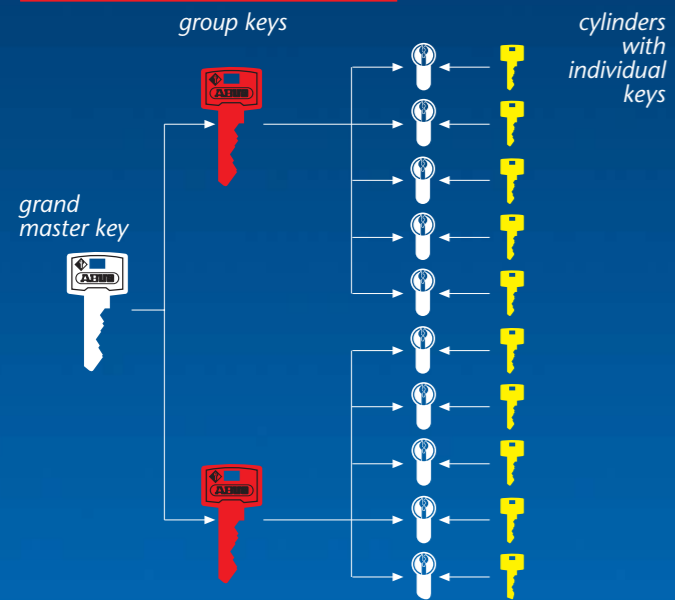
Example of Keying system, Burj Al Arab, Dubai

Central lock system:

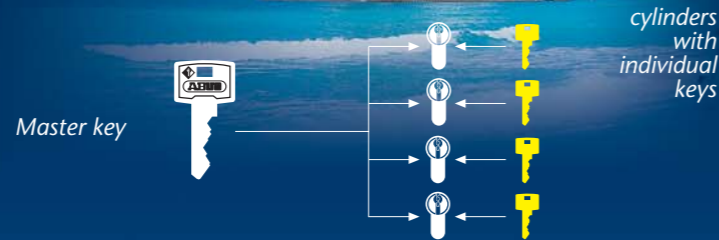
individual key apartment central lock front door individual key apartment



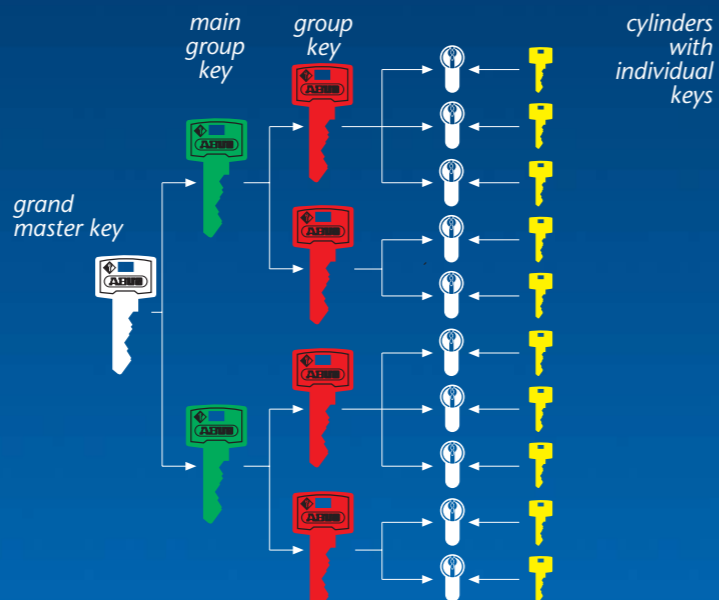
Grand master group key system:



Master key system:



Grand master main group key system:



The locking systems range:

Manufactured according to DIN EN 1303 + DIN 18252

Many different cylinder models of one pin system can be combined in a keying system. Such as e.g.:



profile double cylinders profile knob cylinders



profile half cylinders cylinder padlocks



round cylinders cam cylinders

top security level:	integral 16 pin system
combined security levels:	KV14 – 11-pin system V14 – 6-pin system
	KV14 – 9-pin system V14 – 5-pin system
e.g. KV 14 for outdoor use with V14 for indoor use	KW14 – 11 pin system W14 – 6-pin system
	KW14 – 9-pin system W14 – 5-pin system
	K14 – 11-pin system standard – 6-pin system
	K14 – 9-pin system standard – 5-pin system

Exemplary reference objects:



Made in Germany

Keying Systems

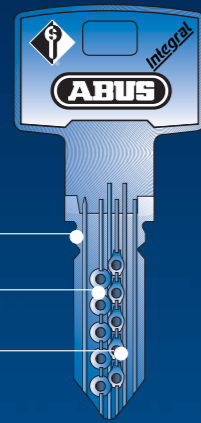
Profile cylinder system Integral:

High security reversible key system

Advantages:

- integrated hardened materials provide optimum drill protection
- symmetrical reversible key with strengthened cross-section, guarantees high stability and optimum handling
- up to 16 active locking elements in three planes of angles plus 2 additional lateral locking elements for a highly effective protection against manipulation

The system Integral is ideally suited for very large locking systems and meets highest technical demands.



6 cuts possible for the first row of pins

5 dimples for the second row of pins

5 dimples for the third row of pins

Integral



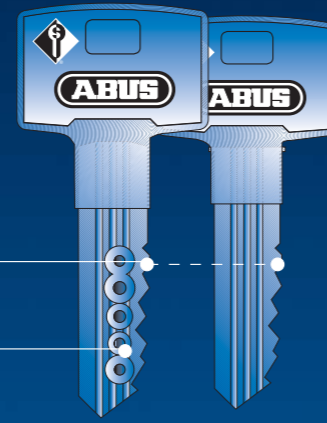
Profile cylinder system KV 14 and V14:

Locking system with precision shape

Advantages:

- bent shape of profile for an effective picking resistance
- coded rib and blocking ball for highest resistance against manipulation of cylinder
- extremely complicated keyway for high protection against copying of keys

The series KV14 and V14 are very well suited for complex locking systems with precise security demands.



5 resp. 6 cuts activate the first row of pins

additional dimples, corresponding to system KV14, activate the second row of pins

KV14 V14



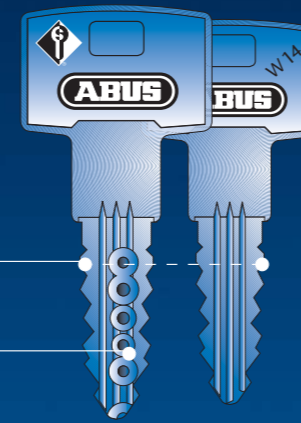
Profile cylinders KW14 and W14:

Reversible key system

Advantages:

- reversible key with lateral cuts, for high ease of use even in the dark
- deep V-shaped cuts for a large number of key variations, even larger locking systems are feasible
- up to 11 pin tumblers possible, for a high protection against manipulation

The series KW14 and W14 combine security and ease-of-use.



5 resp. 6 cuts activate the first row of pins

additional dimples, corresponding to system KV14, activate the second row of pins

KW14 W14



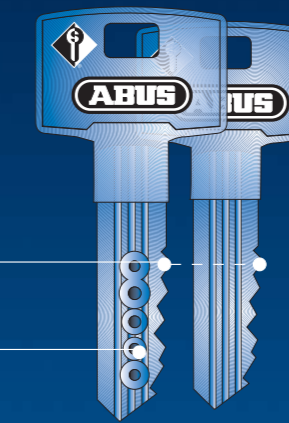
Profile cylinder system K14 and Standard:

Paracentric profile system

Advantages:

- up to 11 pin tumblers possible for a high protection against manipulation
- paracentric keyway plus combination of pin and dimple technology, i.e. high protection against picking (K14)

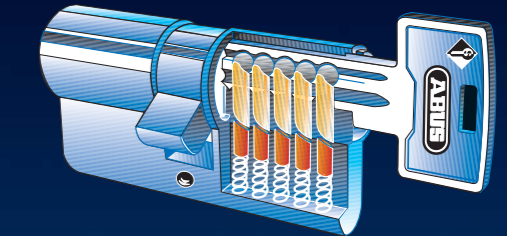
The series K14 and Standard provide high security with good value for money.



5 resp. 6 cuts activate the first row of pins

additional dimples, corresponding to system KV14, activate the second row of pins

K14 Standard



General advantages of the System:

- 14 mm core diameter: possibilities for larger Keying systems
- key and pins made from nickel silver reduce the tear+wear effect and increase longevity
- as standard, the first and third pair of pins are made from hardened special steel to provide good drill protection
- patented locking technique provides legal protection against copying and as such larger key security
- optionally VdS class B (BS) as of 6 key cuts, i.e. insurance demands can be met
- locking systems compatible up and down, e.g. KV14 and V14, for economic locking systems
- profile cylinders are manufactured according to DIN EN 1303 and DIN 18252, that means security for you according to the latest state of the art.

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