



ISEO, SECURING YOUR WORLD

Cylinders, keys and
access control systems



ISEO[®]

MADE IN ITALY

iseo.com



EVERY 2 MINUTES A HOUSE IS BURGLED

As recently pointed out by UNODC (United Nation Office of Drug and Crime), between 2009 and 2012 domestic burglary has increased 17% in EU. This is a growing and worrying trend, driving incremental attentions on how to protect at best what we most care.

To understand what the most effective protecting solutions are, we need to focus on the three main techniques used in residential burglaries. Some techniques leave evident damage as violent attacks is needed on the lock **DRILLING**. Others are however more imperceptible and noiseless, and most of the time, leaving no marks on the lock. Therefore proving burglary to insurance companies become more difficult. In this second type of attack, bumping and picking are the most common practices.

BUMPING: a special modified key (bumping key) is inserted into the plug profile. The skilled burglar applies blows on the key head to release the locking mechanism.

PICKING: a chisel is inserted into the plug profile. The repeated picking action, managed by expert hands, can release the lock mechanism.

In all mentioned cases if you equip your door with a good closing system, providing security cylinder and key, you can limit risks of inconveniency.

ISEO PROTECTS **YOUR** WORLD.



HOW TO CHOOSE THE **RIGHT** CYLINDER

Security of your home and personal belongings depends from a cylinder assuring good resistance against brutal attacks:



RESISTANCE AGAINST DRILLING



RESISTANCE AGAINST PULLING



RESISTANCE AGAINST MANIPULATION

In addition, to increase door protection against forced entries, it is worthwhile to install a good protective rose, which represent a real barrier between lock and the outside.

Security of your home means having a protected key which avoid undesired duplicates.

ISEO helps in avoiding risks of unwelcomed cloning in **two ways**:



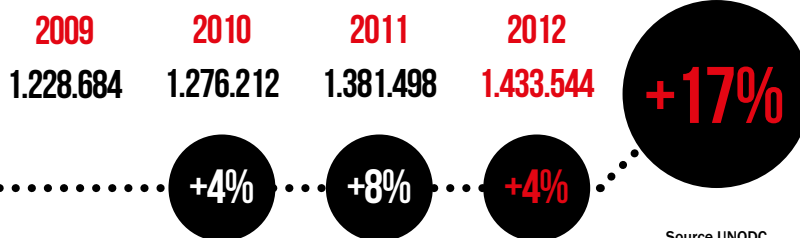
ONE UNIQUE KEY, HAVING PERSONALIZED PROTECTED PROFILE AND TECHNICAL PATENTED SOLUTION



THE CORRESPONDING PROPERTY CARD, WHICH HAS TO BE PRESENTED AT SPECIALIZED DEALERS' WHEN ASKING FOR A DUPLICATE. PROPERTY CARD AIMS TO IDENTIFY KEY OWNER.

DOMESTIC BURGLARY IN EU

In Europe domestic burglaries increase 17% between 2009 and 2012

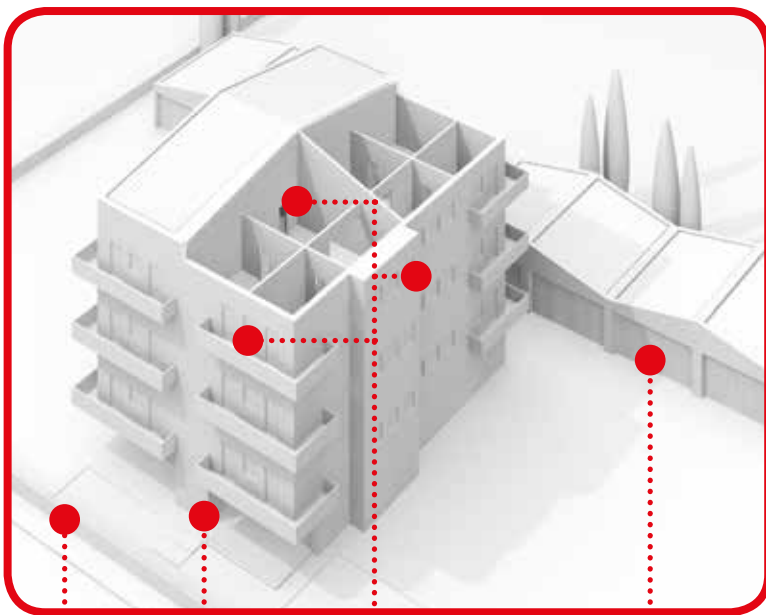


Source UNODC



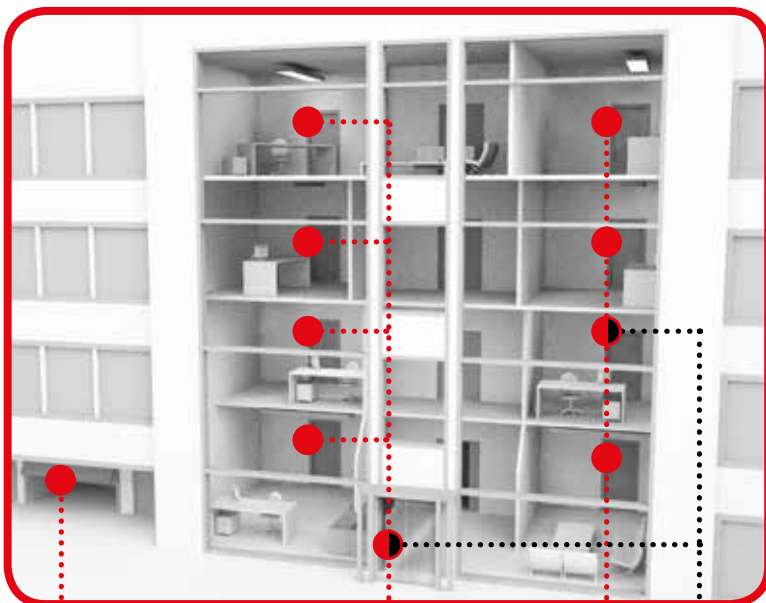
DO YOU LIVE IN A SINGLE HOUSE?

Using one unique key, you can open all accesses of your house, having on each door the right cylinder according to specific security needs. For instance, entrance door require maximum security and can be equipped with R90 cylinder, having highest security performances against brutal attack. Instead, for your boiler room, cellar or gate you may use R9 cylinder having medium security level.



DO YOU LIVE IN A MULTI APARTMENT HOUSE?

Using the same key, you can open the common entrances like main front door and gate, and your private doors, like apartment entrance door, garage and cellar. Each homeowner cannot open other exclusive doors. Cylinders installed in private entrance doors and main front door may be of different security levels, based on the single needs of the specific room. For private entry door, we suggest to install high security cylinder like ISEO R50 or R90.



DO YOU NEED TO PROTECT A COMMERCIAL PREMISE OR PUBLIC BUILDING?

When managing public buildings (businesses, hospitals, schools, administrative offices, etc.), other factors gain primary importance such as access to emergency openings, protection against unauthorized copying of keys, permissions management. At the same time, many people must be enabled to share access without sacrificing security. Flexibility of ISEO products perfectly meets these requirements as hierarchical levels of access can be easily managed. For example, in a company the Production Manager will have access to all the doors of his department and the warehouse but will not have access to the offices of the Commercial Department, Financial Office and to the Chief Executive Office.

A cylinder with maximum security needs to be installed in specific accesses to protect goods or confidential information, while for the common doors even a medium security cylinder may be used.



ADDING COMFORT TO YOUR SECURITY

**TAILORED SECURITY JOINS
CONVENIENCE OF USING
ONE UNIQUE KEY FOR ALL YOUR DOORS.**

This is the present, not the future. ISEO offers the possibility of using one sole key to open all accesses of your home, or your company, in compliance with your security needs and budget.

ISEO promise is to deliver maximum convenience, flexibility and security.



ABOUT US.

ISEO GROUP IS A LEADING ITALIAN FAMILY-RUN BUSINESS, WHO SINCE 1969 HAS SUCCESSFULLY BEEN DESIGNING, MANUFACTURING AND SELLING SMART ACCESS MANAGEMENT SYSTEMS FOR PEOPLE'S SAFETY AND SECURITY.

Strongly oriented towards the global market, ISEO group has widely spread at an international level, thanks to staff know-how, loyalty and reliability. Deeply rooted to its origins, ISEO is the only company in lock business who has continued faithful producing and thinking "Made in Italy", being the alternative to existing big financial holdings. ISEO Group, aiming to offer best products and best services, is strongly focus on constant technological innovation and development of certified products according to highest international standards. ISEO growth strategy does not forget the human factor, linking people to customer needs to create entrepreneurial spirit, which is the centerpiece of a group.

OUR RECENT REFERENCES: QUOTING THE ORIGINAL

Vatican, Pontificia Università Lateranense. To limit the huge number of keys to access all rooms inside its University and Library, ISEO offered just one key ensuring access to all rooms as well as control over any unauthorized access. The electronic cylinder ensures higher security and flexibility since it can be completely programmed and disabled.

Paris, new Industrial and Technological Centre, La Defense. Installation of CSF Mechatronic System, the best ISEO solution to manage access control and security feature all in one.

Venice, Hilton Molino Stucky. Completely restructured in 1994, it became an 5-star hotel in 2007. The restructuring works highlighted the need to have a universal key for the Security Manager as well as special keys for the staff. ISEO supplied master keyed mechanical cylinders. Thanks to an extraordinary architectural recovery, history and modernity melt in the hotel born from corn flour.



Vatican, Pontificia Università Lateranense



Paris, new Industrial and Technological Centre, La Defense



Venice, Hilton Molino Stucky



WHICH CYLINDER MEETS YOUR NEEDS AT BEST?

PRIVATE HOUSES

Do you live in a single house or in a multi-family residential building?

SINGLE HOUSE

Do you have a Property Card for the door cylinder of your main entrance?

Does your front door have an additional lock?

Do you need to give the keys to baby sitter, house cleaners, or other people?

Do you need to secure your cellar, gate and garage doors too?

MULTI-FAMILY RESIDENTIAL BUILDING

How many private accesses do you need to manage (apartment main entrance, cellar, garage?)

Do you have a Property Card for the door cylinder of your apartment main entrance?

How many common accesses need to be managed (gate, pedestrian entrance, front main door)?

Do you need to give the keys to baby sitter, house cleaners, or other people?

PUBLIC BUILDING, COMMERCIAL PREMISES.

Are you managing an administrative building? Do you need to supervise hospitals or public institutions?

How is your building used?

What is your organizational structure like?

How strict are your security requirements?

Do you need to use a different key for every door?

Are there important documents, which need to be securely stored in rooms with controlled access?

Do you need to comply with specific insurance standards?

Are there authorized people entering the site outside normal working hours?

ISEO offers comprehensive services, from preliminary analysis to detailed planning of the locking systems, to realize a tailor-made solution for all your security needs



ISEO FOR YOU.

ISEO FOR YOU is a network of selected specialists able to offer a complete support service for the most innovative ISEO solutions.

ISEO FOR YOU is a real Security Expert, offering expertise, technical knowledge and after sales assistance both for mechanical and electronic products.

ISEO FOR YOU are the security specialists, which are selected for their technical skills, reliability and expertise. They are constantly participating at dedicated training sessions and regular meetings, to grant continuous improvement and mutual education.

Find the nearest at:

<http://www.ISEOserrature.it/ISEOserrature/eng/servizi.html>

**ISEO AND THE BEST SECURITY EXPERTS WORK TOGETHER...
FOR YOU.**

ISEO CYLINDERS, THE **HEART** OF YOUR SECURITY

ISEO cylinders are the heart of the security of your doors and offer you a wide range of features to protect your home and belongings. ISEO portfolio has the right level of protection according to your specific need and, from the basic cylinders to the top range for high security requirement, ensure resistance to external attacks, reliability and durability.

To give you immediate awareness of the level of protection, ISEO classifies cylinders according to 4 criteria, which correspond to the essential security features and to the most innovative solutions. For each criteria, ISEO has defined a specific score (up to 5) and highlighted proper technical solutions fulfilling the criteria requirements.



ATTACK RESISTANCE

Resistance against external violent attacks and manipulation techniques.



KEY SECURITY

Measures key differs possibilities and security of the key.



MULTI LEVEL

Customization of one unique master key system with cylinder having different levels of security.



INTEGRATION WITH ELECTRONICS

Possibility of merging mechanical solutions together with electronic solution to assure maximum flexibility level together with high security performances.

CSR RANGE

ENDLESS COMBINATION OF PRODUCTS AND PROFILES TO SUIT ANY SECURITY AND FLEXIBILITY REQUIREMENT.

CSR system is the ideal solution to manage complex master key systems and control the access to doors, thanks to a huge number of possible key bittings. Combined with patent and registered profiles, it also ensures protection against unauthorized duplication, thanks to an extraordinary technical solution (blocking pin) and a lifetime profile registration. Duplicated keys can only be obtained upon presentation of the Property Card.

Made in ISEO Germany:

- the strength of German tradition
- the power of ISEO group, for an incomparable security level.



R9

It includes a registered profile, ensuring control over key blank distribution (only available through authorized dealers) and therefore protection against illegal key copies. R9 also offers high protection against determined attack thanks to specific devices in the cylinder.

SCORE

TECHNICAL SOLUTION



5/5



4/5



YES



NO

R9 Plus

Combines key protection with dedicated and independent registered profiles ensuring control of key duplication and local exclusivity. Thanks to three-line coding with upper steel pins, it is suitable for medium sized master key systems and offers good potential for complex master-keying possibilities.



5/5



4/5



YES



NO

R90

Protected multi-profile system, targeted to manage complex master key systems thanks to the 105 different profiles for multi-level hierarchical structures. Patented technical solution, combined with registered profile, assures higher protection against illegal key copies. Increased security against determined attacks; against drilling, thanks to specific devices in the cylinder body and plug; against manipulation thanks to bump resistant certified pins and counter pins and against pulling thanks to a spring tempered steel bar in the cylinder body.



5/5



5/5



YES



NO

CSF RANGE

FLEXIBLE TAILOR-MADE SECURITY SYSTEMS WITH SUPERIOR INTELLIGENCE

Endless combinations give rise to endless security. The CSF System combines the very best of mechanical security with the flexibility of electronics. It is the ideal solution for access control in public and private buildings as your system will be tailored to your present and future requirements, and your investment will always be protected. Composed of mechanical and mechatronic cylinders, the CSF System has been designed to offer you endless combinations flexibility and the utmost level of security. CSF System is available as a multi-level product which can be combined to form a master key system with multiple profiles, registered and protected for life.



SCORE TECHNICAL SOLUTION

F9

Registered profile, ensuring control on key blank distribution (only available through authorized dealers) and protection against illegal key copies. Good protection against determined attack thanks to specific devices in the cylinder. Multi-profile system to be integrated in a unique multi-level master key system.



2/5



5/5



YES



YES

F90

Combines key protection with multiple profiles, ensuring control of key duplication and possibility of multi-level master key systems. Thanks to three-line coding, it is suitable for medium sized master key systems and offers good potentials of integration within bigger hierarchical structures. High protection against determined attacks thanks to specific devices in the cylinder.



5/5



5/5



YES



YES

F99

F99 has a patented technical solution in the key, combined with registered profile, assuring higher protection against illegal key copies. Increased security against determined attacks: against drilling, thanks to specific devices in the cylinder body and plug; against pulling thanks to a stainless steel bar in the cylinder body. Thanks to three-line coding, it offers good potential of integration within bigger hierarchical structures.



5/5



5/5



YES



YES

F900

Magnetic solution in the key, combined with related coding and registered profile, F900 assures the utmost protection against illegal key copies and offers additional defense against the newest method of key cloning. High protection against determined attacks: against drilling, thanks to specific devices in the cylinder body and plug; against pulling thanks to a stainless steel bar in the cylinder body. Thanks to three-line coding, offers good potential of managing big hierarchical structures.



5/5



4/5



YES*



YES

* To be checked during MK calculation

F9000

With the F9000 mechatronic cylinder, CSF System reaches an unprecedented security level. F9000 meets all security and flexibility requirements for complex MK systems: it represents smartness at the service of security, given by a visible barrier against the newest method of key cloning in conjunction with electronic simplicity. Mechanical security multiplied by electronic security, multiplied by the smartness of tailor-made programming.



5/5



5/5



YES



















YES

The cylinder is the heart of security: it is the structural element whose design and manufacturing characteristics ensure effective closing performance. We produce 12 million cylinders a year and we have been making them for 40 years. This is why we can offer top of the market security, technological research and accuracy in design. ISEO, on top of CSR and CSF systems, offer a comprehensive range of mechanical cylinders to meet different security needs.

REVERSIBLE FLAT KEY CYLINDERS



		SCORE	TECHNICAL SOLUTION		
R50 Extra	Do you need a high security product to make principal residential accesses secure or manage medium/big sized commercial buildings and shops? Having max grade of Attack Resistance, R50 Extra will protect you against manipulation and break-in attempts. R50 Extra obtained BSI certification stating its resistance against bumping and picking methods. Patented protection against copies increases security and guarantees legal defense against unauthorized duplication.	 5/5	 5/5	 NO	 NO
R7 Extra	Do you need a good security product to secure your doors or control medium sized commercial premises, schools or stores? R7 Extra cylinders protects against attacks of unwelcome visitors, as they are designed and built according to European Norm EN 1303:2015 reaching the highest performance level. R7 Extra has been tested by third party institutes (in Italy, UK, Germany and Netherlands) and obtained max levels of certification to guarantee high protection against manipulation, drilling and picking attacks.	 5/5	 5/5	 NO	 NO
R6	Do you need a simple, reliable product to make secondary accesses in shops, homes and buildings secure? R6, with standard security level, will protect you against external attacks thanks to reliable solutions in the cylinder body.	 2/5	 4/5	 NO	 NO
R6 Plus	R6 Plus associates to basic security performance of R6, additional owner keys and construction key. The Code Card assures to get high quality key duplicate and plastic cap for key head increases easiness of use.	 2/5	 4/5	 NO	 NO

CONVENTIONAL VERTICAL KEY CYLINDERS



F6 Extra S

Are you looking for a certified level of security with good master keying potential to control accesses in private homes and medium sized commercial premises? F6 extra S combines master key capacity with the highest standard of security, internationally certified. SKG certification is a guarantee of high resistance combined with optimum security, BSI Kitemark is one of the most respected and trusted product certification marks throughout the world as it represents a symbol of quality and safety.

SCORE

TECHNICAL SOLUTION



5/5



5/5



NO



NO

F6

Do you need a basic level of security with good master keying potential to control secondary accesses in companies and medium sized commercial centers? F6, with standard security level, is the right cylinder to manage doors which do not need high security defense, and protects against external attack thanks to reliable solutions.



2/5



5/5



NO



NO

F5

If you need a cylinder performing essential security, F5 is the right choice. Granting basic protection against drilling attacks, F5 is the basic level cylinder for your accesses.



2/5



3/5



NO



NO



MAIN TECHNICAL SPECIFICATION

- ATTACK RESISTANCE RELATED DEVICES
- KEY SECURITY RELATED DEVICES

R90

ATTACK RESISTANCE

- Grade D
- Spring tempered steel bar increasing resistance against snapping and breaking
- Bumping resistance: certified bump resistant pins and counter pins
- Drilling resistance: anti drilling devices in body and plugs

KEY RELATED SECURITY

- Grade 6: min. 100.000 differs
- Trademark on key for a lifetime protection
- Patent protected key against illegal duplication
- Property Card
- Keys can only be duplicated at ISEO upon presentation of the Property card
- Nickel silver key
- Code numbering on key neck

MULTILEVEL MKS

- 3 rows biting system: upper, lower and lateral biting for complex master key systems
- Multi profiles available for multi level master key systems

CERTIFICATIONS

DIN EN 1303:2015 BSI* SKG** MPA TESTED



R9 Plus

ATTACK RESISTANCE

- Grade D
- Spring tempered steel bar increasing resistance against snapping and breaking
- Bumping resistance: certified bump resistant pins and counter pins
- Drilling resistance: anti drilling devices in body and plugs

KEY RELATED SECURITY

- Grade 5: min. 30.000 differs
- Trademark on key for a lifetime protection
- Property Card
- Nickel silver key
- Code numbering on key neck

MULTILEVEL MKS

- 3 rows biting system: upper, lower and lateral biting for big master key systems
- Designed on individual reserved profiles



CERTIFICATIONS

DIN EN 1303:2015 BSI* SKG** MPA TESTED



R9

ATTACK RESISTANCE

- Grade D
- Spring tempered steel bar increasing resistance against snapping and breaking
- Drilling resistance: anti drilling devices in body and plugs.
- Bumping resistance: certified bump resistant pins and counter pins

KEY RELATED SECURITY

- Grade 5: min. 30.000 differs
- Trademark on key for a lifetime protection
- Property Card
- Nickel silver key
- Code numbering on key neck



CERTIFICATIONS

DIN EN 1303:2015 BSI* SKG** MPA TESTED



F9000 MECHATRONIC CYLINDER SECURED FLEXIBILITY

FLEXIBLE TAILOR-MADE SECURITY SYSTEMS WITH SUPERIOR INTELLIGENCE

F9000 cylinder reaches an unprecedented security level: mechanical security multiplied by electronic security, multiplied by the smartness of tailor-made programming.

F9000, A UNIQUE PERSONALITY.

It features a unique, non-duplicable key and can have customized authorizations, with user-friendly programming
Even if you lose the key, you never lose security (it can be immediately disabled!)
Additional protection against undesired key cloning also with most recent methods

The energy source is in the key (no wiring is required)
Data and energy transfer without electric contacts means protection against dust and resistance to corrosion

F9000, ENDLESS POSSIBILITIES OF EXTENSION.

Electronics ensures future extensions
It allows to manage accesses by time slots or programmed times
Each key has customized authorizations, which can at all-time be changed according to the management requirements of the building
All openings are traceable, including the unauthorized ones; the event log is stored in both keys and cylinders
Protection is at the highest level for strictly confidential places

F9000, AN UNEXPECTED SIMPLICITY.

It is installed as a normal mechanical cylinder and it is easy to be maintained
It is compatible with most mechanical cylinders of ISEO CFS system
It is suitable for any type of building and of doors
No batteries in the cylinder: great reliability in any installation condition
Cylinder Protection Class IP 66
Events log on both keys and cylinders
Very low activating time (60 msec) avoiding risk of key blocking

CSF SYSTEM: F9000 FLEX SOFTWARE

- Home version: management of one key plan
- Professional version: management up to 100 key plan
- Access to software granted with username and password
- Different levels of users (system Administrators)
- Management of the key plan only with programming key inserted in the programming interface, even by remote.
- Easy programming of times profiles, access rights.
- Efficient modification of access rights in case of key lost
- Registry management of cylinders and keys, key owners and time profiles
- SW update via WEB
- Management of Key RTC (Real Time Clock)



MECHATRONIC SYSTEMS CAN BE MANAGED BY PC HAVING FLEX SOFTWARE INSTALLED (WITH F9000 INTERFACE) OR EVEN BY REMOTE, WITH THE F9000 MOBILE VALIDATOR

F9000 INTERFACE

Programming unit for F9000 cylinders with Flex software.

By inserting F9000 programming key, F9000 INTERFACE will allow you to open the key plan, program cylinders and keys and download events log.

F9000 MOBILE VALIDATOR

F9000 Mobile Validator offers a solution to program from remote F9000 Mechatronic keys allowing to:

change easily geographic access permissions, provide limited time access to locations or weekly schedules, extend the current validity period for additional predetermined hours, readout events from the user keys.



F900

ATTACK RESISTANCE

- Grade D
- Spring tempered steel bar increasing resistance against snapping and breaking
- Drilling resistance: anti drilling devices in body and plugs

KEY RELATED SECURITY

- Grade 5: min. 30.000 differs
- Trademark on key for a lifetime protection
- Patent protection against illegal duplication
- Property Card
- Nickel silver key

OTHER TECH. BARRIERS AGAINST CLONING

Patented magnetic pin the key which prevent undesired key copies even with most recent cloning methods.



CERTIFICATIONS

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F99

ATTACK RESISTANCE

- Grade D
- Spring tempered steel bar increasing resistance against snapping and breaking
- Drilling resistance: anti drilling devices in body and plugs

KEY RELATED SECURITY

- Grade 6: min 100.000 differs
- Trademark on key for a lifetime protection
- Patent protected key against illegal duplication
- Property Card
- Nickel silver key

MULTILEVEL MKS

- Multi profiles available for multi level master key systems
- Compatible with F90 and F9 cylinders

CERTIFICATIONS

DIN EN 1303:2015 SKG ** MPA TESTED



F90

ATTACK RESISTANCE

- Grade D
- Spring tempered steel bar increasing resistance against snapping and breaking
- Drilling resistance: anti drilling devices in body and plugs

KEY RELATED SECURITY

- Grade 6: min 100.000 differs
- Trademark on key for a lifetime protection
- Patent protection against illegal duplication
- Property Card
- Nickel silver key

MULTILEVEL MKS

- Multi profiles available for multi level master key systems

CERTIFICATIONS

DIN EN 1303:2015 SKG ** MPA TESTED



F9

ATTACK RESISTANCE

- Grade 0
- Spring tempered steel bar increasing resistance against snapping and breaking
- Drilling resistance: anti drilling devices in body

KEY RELATED SECURITY

- Grade 6: min 100.000 differs
- Trademark on key for a lifetime protection
- Property Card
- Nickel silver key

MULTILEVEL MKS

- Multi profiles available for multi level master key systems

CERTIFICATIONS

DIN EN 1303:2015 SKG ** MPA TESTED



R50 Extra

ATTACK RESISTANCE

- Grade D
- Drilling resistance: anti drilling devices in body and plugs
- Bumping resistance: certified bump resistant pins and counter pins

KEY RELATED SECURITY

- Grade 6: min. 100.000 differs
- Patent protected key against illegal duplication
- Property Card
- Nickel silver key with long neck
- Ergonomic key head in plastic material or metal

MULTILEVEL MKS

- 11 pins biting system to manage master key suites

CERTIFICATIONS

DIN EN 1303:2015

A2P*

BSI*

SKG***

MPA TESTED

Option: SKG**



R7 Extra

ATTACK RESISTANCE

- Grade D
- Drilling resistance: anti drilling devices in body and plugs
- Bumping resistance: certified bump resistant pins and counter pins

KEY RELATED SECURITY

- Grade 6: min 100.000 differs
- Code Card to get a high quality duplicate
- Metal key head with possibility to add a plastic cap, included in packaging

MULTILEVEL MKS

- 11 pins biting system to manage master key suites

CERTIFICATIONS

DIN EN 1303:2015

BSI*

SKG***

MPA TESTED

IMP CERTIFICATE CLASS C



R6

ATTACK RESISTANCE

- Grade 0
- Standard security level: 6 pins key biting system in stainless steel
- Picking resistance thanks to brass mushroom shaped counter pins
- Drilling resistance thanks to additional inserts positioned on both sides of the cylinder body

KEY RELATED SECURITY

- Grade 5: min. 30.000 differs
- Reversible brass nickel coated key
- Code Card to get a high quality duplicate
- Code numbering on key neck



CERTIFICATIONS

DIN EN 1303:2015

MPA TESTED

IMP CERTIFICATE CLASS B Option: SKG **

R6 Plus

SPECIFIC KEY ARRANGEMENT FOR HOUSES "UNDER CONSTRUCTION"

ATTACK RESISTANCE

- Grade 0
- Standard security level: 6 pins key biting system in stainless steel
- Picking resistance thanks to brass mushroom shaped counter pins
- Drilling resistance thanks to additional inserts positioned on both sides of the cylinder body

KEY RELATED SECURITY

- Grade 5: min. 30.000 differs
- Reversible brass nickel coated key
- Code numbering on key neck
- Metal key head with possibility to add a plastic cap, included in packaging
- 5 owners' keys and one construction key
- Code Card to get a high quality duplicate



CERTIFICATIONS

DIN EN 1303:2015

MPA TESTED

F6 Extra^S

ATTACK RESISTANCE

- Grade D
- Standard security level: 6 pins key biting system in stainless steel
- Picking resistance thanks to brass mushroom shaped counter pins
- Drilling resistance thanks to additional inserts positioned in cylinder body and plugs
- Spring tempered steel bar increasing resistance against snapping and breaking
- Bumping resistance: certified bump resistant pins and counter pins
- Sacrificial cut on both side of cylinder to increase protection against lock snapping

KEY RELATED SECURITY

- Grade 5: min. 30.000 differs
- Standard vertical nickel coated brass key
- Code numbering on key neck



CERTIFICATIONS

DIN EN 1303:2015 BSI* SKG*** IMP MPA TESTED



F6 Extra

ATTACK RESISTANCE

- Grade D
- Standard security level: 6 pins key biting system in stainless steel
- Picking resistance thanks to brass mushroom shaped counter pins
- Drilling resistance thanks to additional inserts positioned in cylinder body and plugs
- Bumping resistance: certified bump resistant pins and counter pins

KEY RELATED SECURITY

- Grade 5: min. 30.000 differs
- Standard vertical nickel coated brass key
- Code numbering on key neck



CERTIFICATIONS

DIN EN 1303:2015 BSI* SKG** IMP MPA TESTED IMP CERTIFICATE CLASS C



F6

ATTACK RESISTANCE

- Grade 0
- Standard security level: 6 pins key biting system in stainless steel
- Picking resistance thanks to brass mushroom shaped counter pins
- Drilling resistance thanks to additional inserts positioned on both sides of the cylinder body



KEY RELATED SECURITY

- Grade 6: min. 100.000 differs
- Standard vertical nickel coated brass key
- Code numbering on key neck

CERTIFICATIONS

DIN EN 1303:2015 MPA TESTED

F5

ATTACK RESISTANCE

- Grade 0
- Standard security level: 5 pins key biting system
- Picking resistance thanks to brass mushroom shaped counter pins

KEY RELATED SECURITY

- Grade 4: 30.000 differs
- Standard vertical nickel coated brass key
- Code numbering on key neck



CERTIFICATIONS

DIN EN 1303:2015 TESTED MPA TESTED



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