



EVVA
access to security

4KS

**maximum
security**
master key
system





**PATENT PROTECTED
UNTIL 2035**

When organisations require maximum intrusion resistance and flexibility in a master key system, they choose **4KS**.



EVVA: 4KS

maximum security master key system

SCEC Approved includes SL3 Rated Products and patented to 2035 master key system that utilises a springless design, making 4KS very unique.

The key is reversible meaning it can be inserted either way making operation simple. The 4-curve design incorporates additional security ensuring the system is suitable for deployment in the largest and most complex master key systems. Unlike most master key systems that rely on spring pressure in the cylinder, the 4KS sliders (locking pins) inside the cylinders are actively moved by the tracks in the key. This active operation means 4KS will outperform all others in challenging environments be they dirty, dusty or salty.

National network

EVVA 4KS is available through a national dealer network. The network consists of a select group of locksmith companies that have met the strict dealership appointment criteria.

FEATURES

- + SCEC Approved includes SL3 rated products
- + Patent protected until 2035 and restricted master key system
- + **133 billion possible key combinations**
- + **Implement a complex security hierarchy**
- + **Extensive cylinder range**
- + **Suitable for the largest and most complex systems**
- + **Springless technology**
- + **Virtually unbreakable key**
- + **Suitable for the harshest environments**
- + **Australian standard tested; Sc8 AS4145.2 compliant**

Environment

When it comes to performance in challenging environments, the active sliders and springless design in 4KS provides an edge that is unmatched by other systems. As a key is inserted, most master key systems rely on small springs to push the locking pins into place. Even small amounts of dust, dirt or grit can affect the operation of the cylinder. Thanks to the 4KS springless design, when the key is inserted into the cylinder, the sliders (locking pins) are actively moved into place by the tracks of the 4KS key. This provides industry leading operation and reliability in the harshest of environments.

High strength keys

Key breakage is a very common problem with some master key systems. This can be caused for many reasons, such as the key material being too soft or deep cuts in the key located at critical leverage points (which means the key is easily damaged by the user). The 4KS key is manufactured from high grade nickel silver and is extremely difficult to damage or break. The unique design ensures the key is not weakened regardless of the location of the cuts.

Complex structure

Not all master key systems have the ability to create a hierarchy of keys to suit the requirements of very large sites. 4KS is designed to provide a highly complex multi-level master key system that can be scaled for future expansion as needed. ■

**SCEC APPROVED
INCLUDES
SL3 RATED PRODUCTS**

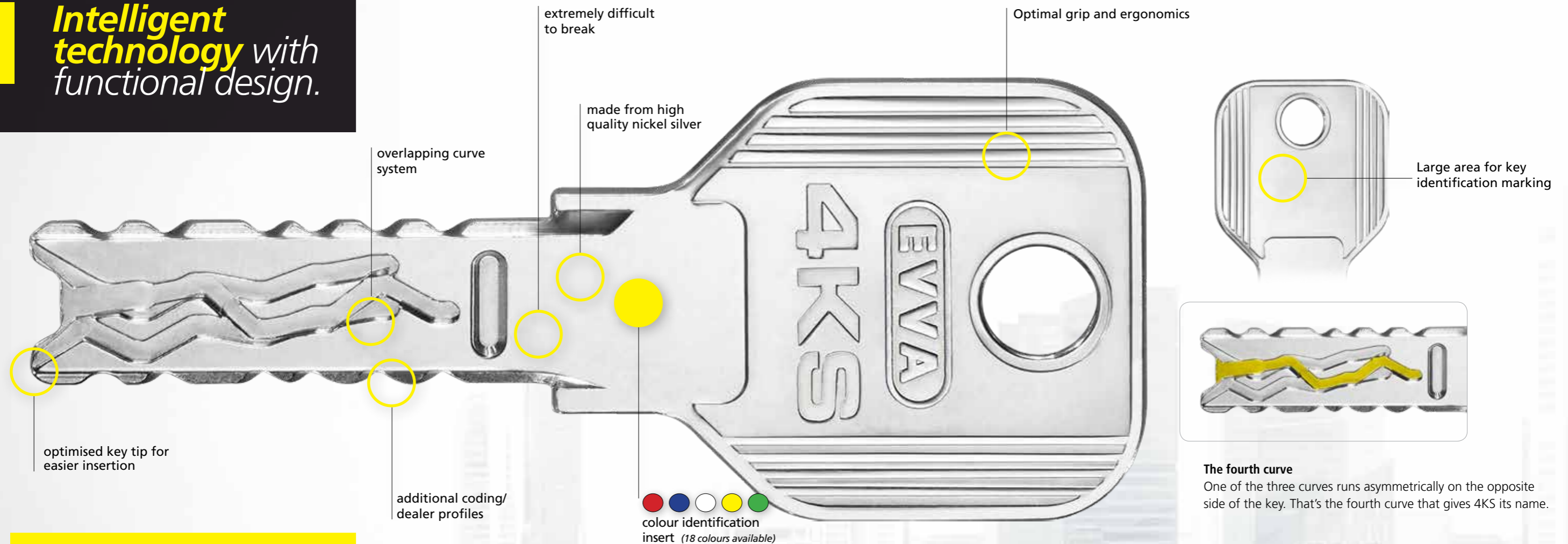
CONTROLLED PROTECTION

LEGAL PROTECTION

TECHNICAL PROTECTION



**Intelligent
technology** with
functional design.



EVVA: 4KS

one key many features

As a reversible key with unique rounded tip, the 4KS key is simple to use. The high-quality nickel-silver alloy of the key, the teflon coating of all locking elements and the springless technology of the 4KS cylinder guarantee high wear resistance even under the toughest conditions. The special feature of the 4KS key is the overlapping curve technology. It practically rules out all forms of manipulation within the locking system and the use of dealer profiles greatly enhances security.

The original 4KS key is produced exclusively by EVVA to increase system security. Distribution of the key blanks is tightly controlled with keys only available through certified dealers of EVVA 4KS.

**SCEC APPROVED
INCLUDES
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UNIQUE SECURITY

The unique technology of 4KS offers three different levels of protection against key reproduction, illegal key copies and manipulation:

01. Increased security through EVVA dealer network

- + It is a requirement that 4KS dealers store their components in a secure location within their business. This must include restricted access for their own staff.
- + In addition, new keys can only be ordered by the system owner by supplying proof of identity that matches the dealer's record.
- + EVVA 4KS key blanks are only produced at EVVA and the distribution of the keys to authorised dealers is tightly controlled to ensure enhanced security.
- + All master key coding by the dealer must be produced using an approved master key design software.

PATENT PROTECTED

UNTIL 2035

02. Technical protection

- + The 4KS key is technically difficult to reproduce without an advanced level of specialist knowledge.
- + Key machines capable of cutting 4KS are licenced and require EVVA approval to be enabled to cut 4KS.
- + Unlike many master key systems, key machines are not able to decode the keys.
- + 4KS cannot be decoded by key matching.

03. Legal protection

The patent on the 4KS system is valid until 2035.

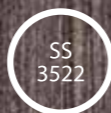
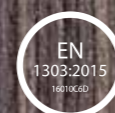
Patented technology for unbeatable security

SCEC APPROVED
INCLUDES
SL3 RATED PRODUCTS

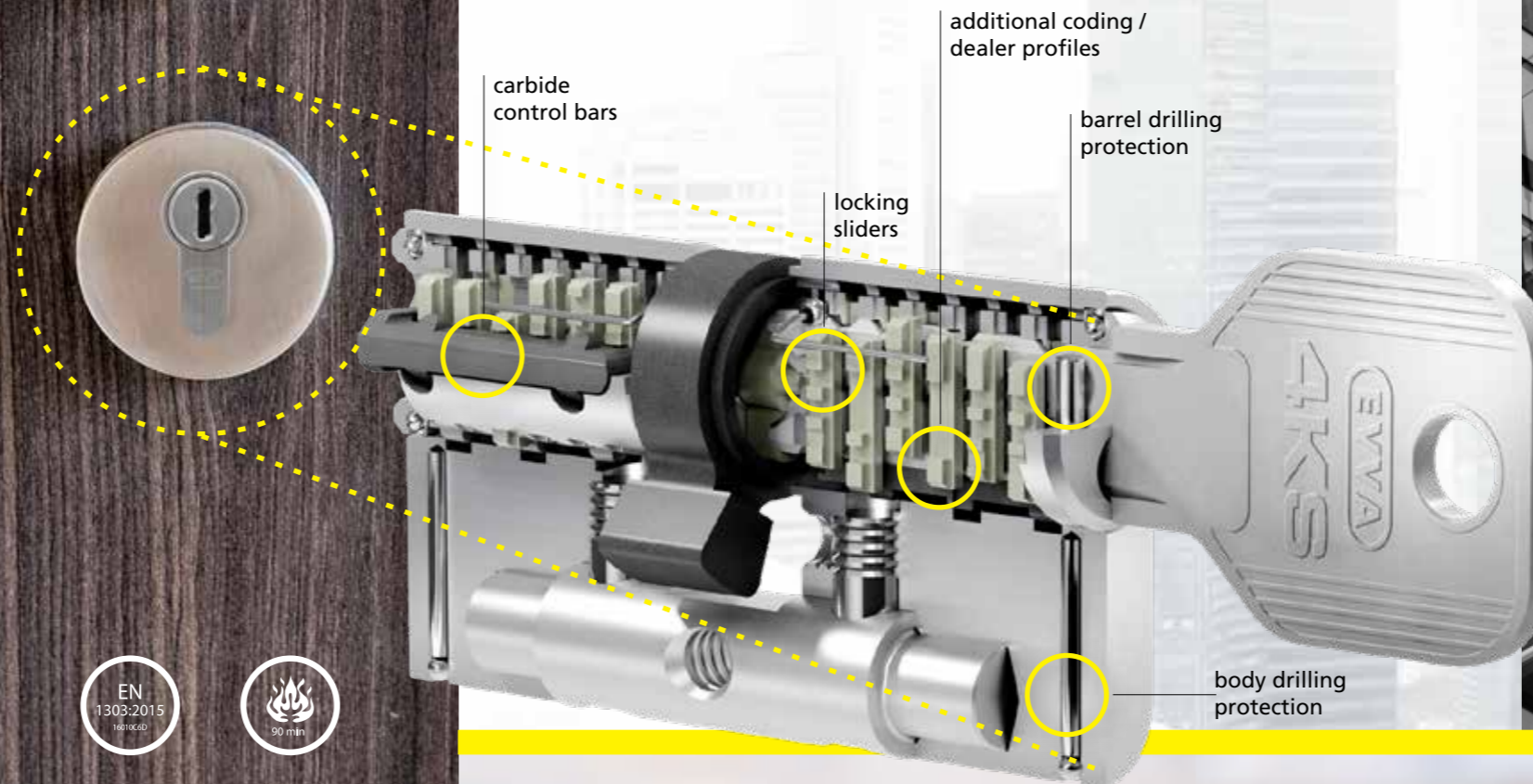
EVVA: 4KS
one cylinder many details



4KS is patented, springless and anything but conventional. In contrast to other locking systems, the locking elements in the 4KS cylinder are sliding along the tracks of the key. Minimal force is needed to insert the key due to lack of spring resistance. A total of 12 springless locking pins are brought into specific positions via active placement of the 6 curve millings on the key and are scanned via 2 control bars. A locking bar in the cylinder controls the key's additional coding. The 4KS key is scanned a total of four times before a cylinder can be opened, offering the highest security. The combination of a nickel-silver cylinder and carbide components instead of brass is why 4KS locks have been cycle-tested to 100,000 operations. 4KS cylinders are available in a wide variety to suit almost all common Australian and New Zealand locks.



It is extraordinarily difficult to reverse engineer 4KS. Moreover, three separate systems guard against key tampering and illicit copying by staff, visitors or contractors.



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CONTROLLED PROTECTION

LEGAL PROTECTION

TECHNICAL PROTECTION

IN ANY SITUATION - MORE PROTECTION

Impressioning

Impressioning is a covert method of producing a functioning key. Impressioning relies on marks being left on a blank key that are then filed to produce a key. Due to the frictionless design of 4KS this is virtually impossible.

Drilling

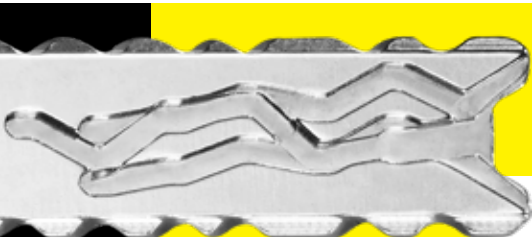
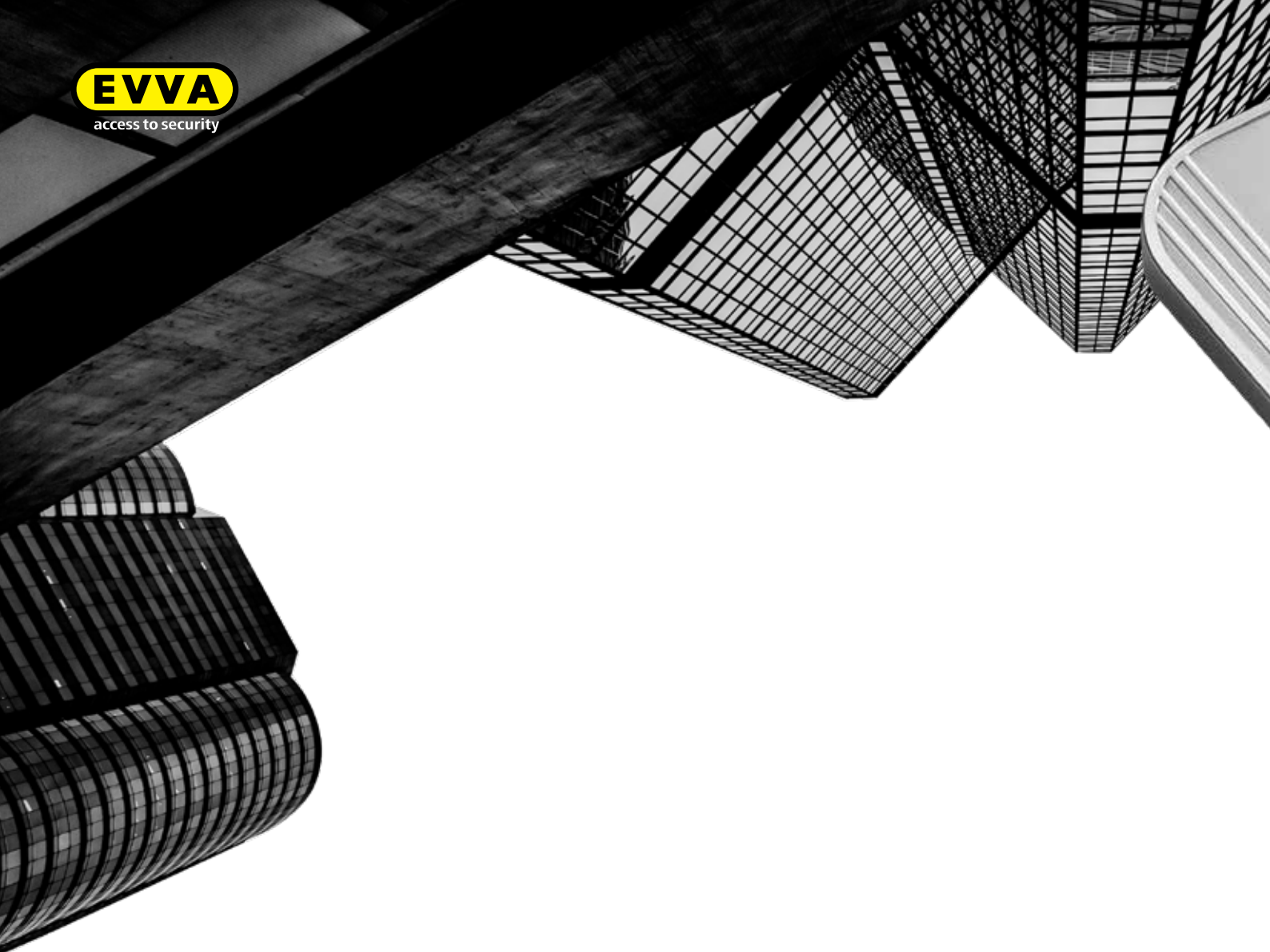
The control bars within the cylinder are anti drill. The sliders (locking pins) are made from carbide. There are also additional anti drill pins strategically placed in the cylinder to increase drill resistance.

Bumping

Bumping is a method of covert manipulation to open a cylinder and relies on spring pressure to work when inserting a specially cut key. Due to the unique 4KS design, making a bump key is virtually impossible. Furthermore, the key blanks distribution is very tightly controlled.

Picking

4KS is virtually pick proof. This is because of the complexity of the 12 sliders alignment with not one locking element (shear line) but three.



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