



# 4KS

The outstanding system for maximum security

## 4KS | patented technology for toughest conditions



4KS is the most resistant system among mechanical locking systems. With the patented, springless curve technology, 4KS is suitable for the toughest conditions.

The reversible key is convenient to insert and turns easily and silently in the cylinder. And of course, 4KS also has a feature unique to EVVA: The overlapping curve millings guarantee optimal security.

### **Benefits of 4KS at a glance**

- › for locking systems with a highly complex structure
- › springless technology
- › modular version (SYMO)
- › Patent protection until 2035

# 4-curve system

» *The reversible key system for highest security requirements and toughest conditions* «

## 4KS | highest security

4KS is ideal for locking systems with a complex structure and a large number of different user groups. This applies to systems with a changing structure such as universities, cultural and leisure centres, shopping centres, retail chains and industrial companies. The system offers extensive extension capabilities without reducing the level of security.

### **Projects implemented with 4KS**

In cooperation with qualified EVVA partners, EVVA has been fitting security technology in a wide variety of buildings throughout Europe for decades. Benefit from this experience:

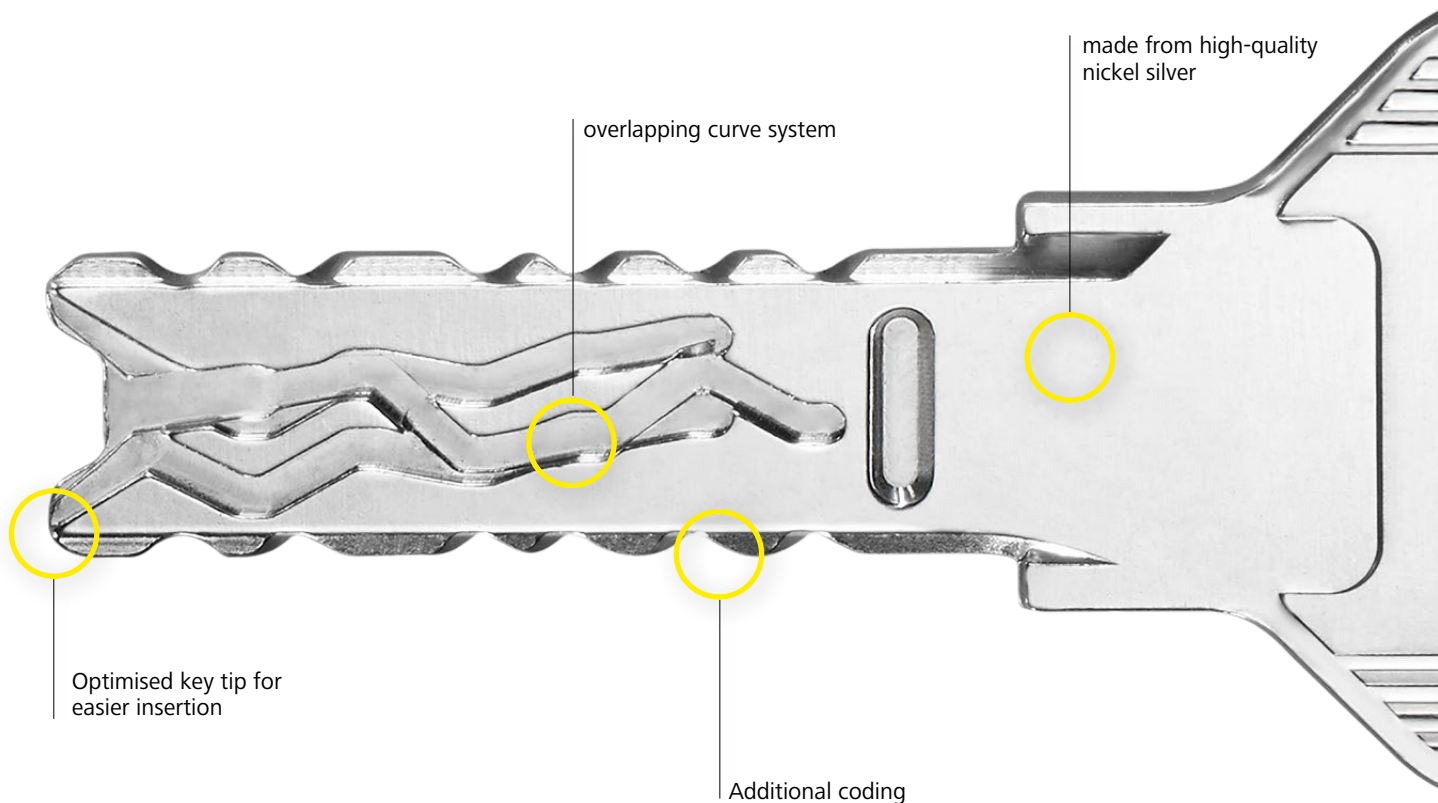
### **4KS in a combined master key system**

4KS is perfectly suitable for combinations with electronic master key systems. Electronic systems are primarily used on the perimeters of the facility and where event logs and schedule-based access are important.

Thanks to its ample cylinder range, 4KS reliably secures anything indoors, from office doors to sensitive facility areas and it can also be used to operate the lifts using special switch cylinders.

Visit [www.evva.com](http://www.evva.com) for references with 4KS

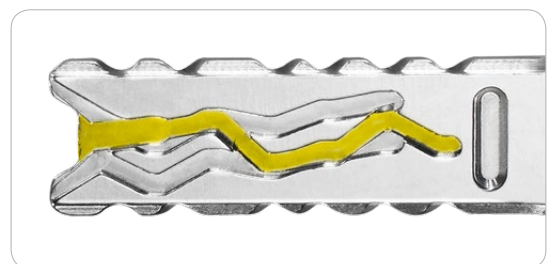
# 4KS keys | intelligent technology with functional design



## One key | many features

As a reversible key with unique rounded tip, the 4KS key is particularly easy to use. The high-quality nickel-silver alloy of the key, the anti-friction coating of all locking elements and the springless technology of the 4KS plug guarantee high wear resistance even under the toughest conditions. The special feature of the 4KS key, however, are the overlapping curve millings. It practically rules out key manipulation within the locking system. The additional coding also provides highest security.

The original 4KS key is produced exclusively by EVVA and is only available at EVVA partners.



### The fourth, concealed curve

One of the three curves on one side runs asymmetrically on the opposite side. That's the concealed, fourth curve that gives 4KS its name.

Optimal grip and ergonomics



#### **Ergonomic design keys**

4KS keys are optionally available as ergonomic, high-grade design keys. The attractive design is available in black, red and blue.

#### **Benefits**

- › Easier to distinguish the keys
- › Simple management of locking systems thanks to colour allocation
- › High quality for improved haptics



## **EVVA | Unique security**

EVVA is constantly investing in research and is always working to develop new key technologies. This means that EVVA can always meet the increasing requirements for security and organisation.

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

#### **Increased security with the EVVA security card**

Copy keys, additional cylinders and lock charts are only available at an authorised EVVA partner and only with relevant proof of legitimacy, i.e. the EVVA security card.

#### **Legal protection through long patent protection**

Commercial manufacturing of EVVA keys takes place exclusively at EVVA and EVVA partners. All EVVA products are only available at authorised EVVA partners. EVVA prevents 4KS keys from being produced without authorisation by adding patented features on the key. EVVA can take legal action if it is discovered that a key copy has been commercially produced without authorisation. The patent protection period for 4KS is valid until 2035.

#### **High technical protection with the necessary specialist knowledge**

The technical features of a 4KS key require extensive specialist knowledge and specialist machinery for production. This makes it extremely difficult to produce illegally copy keys.

# 4KS cylinders | patented technology for unbeatable security



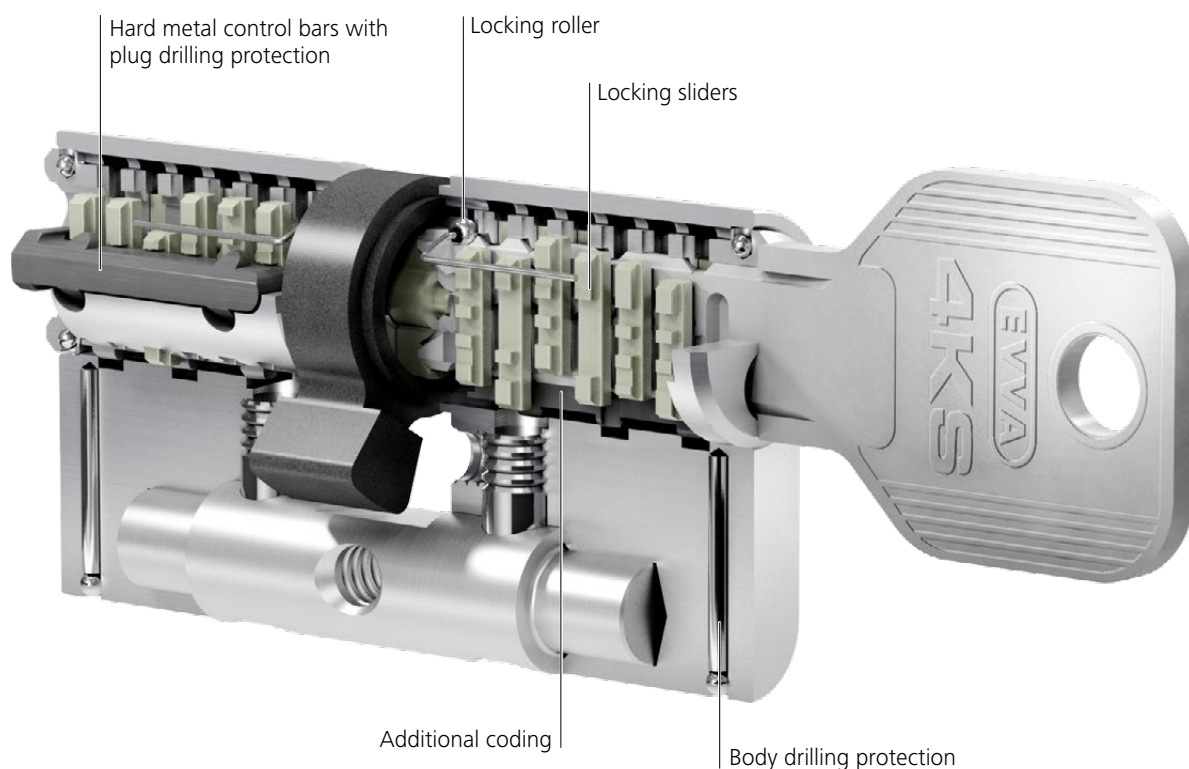
Modular version (SYMO)



## 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 curve millings on the key. No force is needed to insert the key due to lacking spring resistance. A total of 12 springless, solid locking pins are brought into specific positions via positive control of the 6 curves millings on the key and are scanned via 2 control bars. A locking bar in the plug controls the key's additional coding. The 4KS key is scanned a total of four times and therefore offers the highest security.

The 4KS cylinder is produced in modular version (SYMO) and can therefore be adapted to the relevant door situation directly on-site. The 4KS cylinder can also be customized with specific functions on-site (e.g. external key override). This saves time and money!



## In any situation | more protection

The innovative technology of the 4KS cylinder offers lasting protection against illegal opening methods:

### Picking and scanning protection

The 4KS cylinder is equipped with several locking sliders. Thanks to the freely moving locking elements in the plug, it is virtually impossible to scan the cylinder in order to make a copy key. The springless function also protects against bumping.

### Drilling protection

The hard metal control bars which also provide a body drilling protection in the 4KS cylinder offer effective protection against drilling.

### Plug pulling protection

The hard metal control bars and the modular version (SYMO) offer effective protection against pulling and snapping attempts.

### 4KS-cylinder options

Different options and requirements are often called for within a locking system.

The 4KS options make it possible: External key override cylinder function; Classroom and SOS function; dust protection; free-wheel function; cogwheel cam and much more.

The international 4KS certifications and country-specific models mean that the products can be used throughout Europe:



\* In preparation

**[www.evva.com](http://www.evva.com)**

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