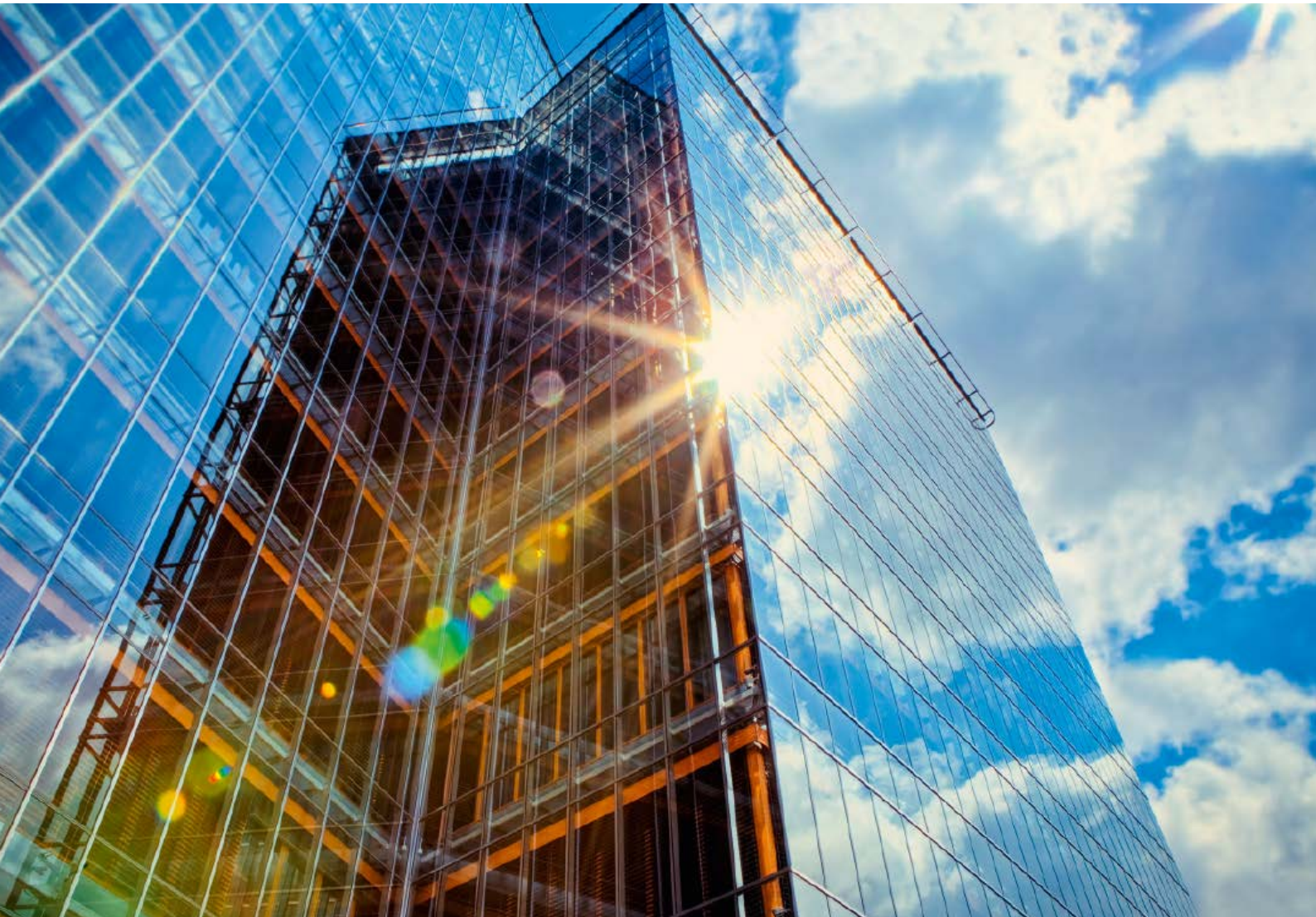


CES system WO

Horizontal reversible key section series



System description

To ensure that a cylinder of our WO series can only be opened by authorized persons with the correct key, CES has come up with quite an array, for instance, a varied key section and additional especially effective locking functions.

On each cylinder side, there are up to 22 locking elements, comprising up to 6 spring-loaded, stepped and vertically acting locking pins, and up to 14 combination pins that are also stepped and act radially on two locking bars that are offset by 90°.

The patented geometry of the key and of the cylinder plug offers protection against an unauthorized duplication of keys and – in conjunction with the „mouth“ of the key channel – makes inserting the key easy.

The WO system can be combined with the electronic locking and access control solutions available from CES. For entrances, access roads or special company areas, where access must be restricted to defined times, electronic locking components are the solution of choice as they provide a high level of flexibility for granting and withdrawing access authorizations.

Successful enterprises rely on CES locking engineering with the patented WO system. For reasons of security, we do not quote any references at this point. However, we shall gladly establish a contact to users.



The WO system in line with DIN 18252/EN 1303

Optimum locking security

The WO system has up to 22 locking elements on each cylinder side: up to 6 spring-loaded locking pins, 14 combination pins and 2 locking bars ensure a high level of security.

Integrated basic protection against drilling

Already in their standard version, all cylinders of the WO system are provided with an integrated basic protection against drilling. Different materials, such as hardened steel for key and driver pins, are employed to make drilling more difficult. At least one driver pin and at least one key pin are made of hardened steel. And stepped locking pins that cant if a drilling attempt is made prevent the opening of the cylinder.

Locking bar technology

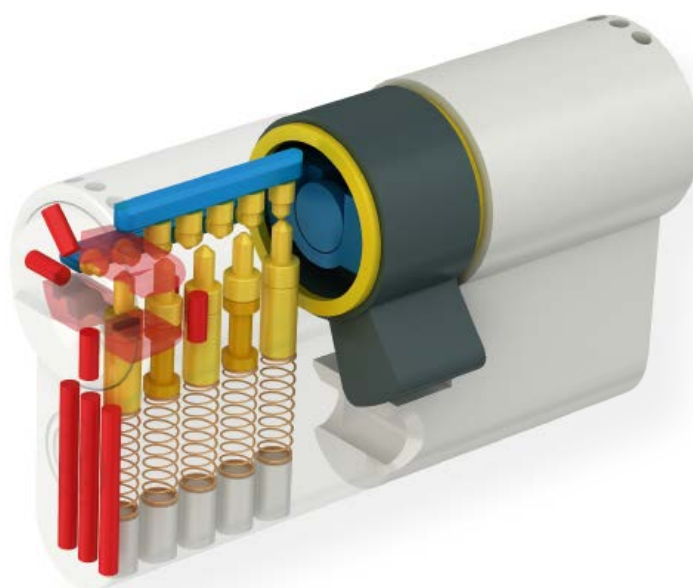
Thanks to the use of locking bars, the locking surfaces are multiplied which guarantees the long-term functioning of the system.

Strong nickel silver key

Very handy and made according to DIN standard. The key shank is at least 14 mm long and perfectly suited for commercial armatures with cylinder covering. Inserting the key into the cylinder is easy thanks to a specially shaped and patented key tip. A guiding groove along the entire cylinder plug ensures a positive transfer of the key torque and prevents breaking of the key.

Security card

Replacement orders and extensions are only possible from CES if the security card supplied with the locking system is presented.



Options and extras

- **Modular system**

Profile cylinders of the WO system are also available in modular design. This means that – if necessary – the length of these modular cylinders can be adapted to the thickness of the door on site, saving both time and money.

- **Additional antidrilling and antipulling protection**

For applications in particularly security-relevant areas, WO cylinders can be equipped with additional hard-metal pins and plates in the hull and on the cylinder plug face.

- **Double, single and knob cylinders are also available as VdS certified cylinders of the classes AZ, BZ and BZ+ (nos. 910, 9710, 951 1/2, 915).**

- **Bump-proof version**

- **Sea-water resistance**

- **Wear resistant version**

- **Colours**

Cylinders are available in a wide range of colours. Upon request, cylinder halves in modular design can also be supplied in different colours.

- **Furniture / special cylinders**

The WO series is also suitable for furniture and special cylinders from the CES range.

- **Electronic access solutions**

WO cylinders are compatible with all electronic locking systems available from CES.

- **Accessories**

Locking system management software portier®vision.



Selection of DIN 18252/EN 1303 compliant designs

Double cylinder no. 810 WO

Brass, satin nickel plated

Double cylinder no. 8710 WO

with emergency and danger function

Brass, satin nickel plated

Locking on both sides

Free-running profile

double cylinder No. 8710F WO

for multipoint locks with panic function

Brass, satin nickel-plated

Single cylinder no. 851 1/2 WO

Brass, satin nickel plated

Follower adjustable in 12 positions

Knob cylinder no. 815 WO

Brass, satin nickel plated

One side locking

Other side aluminium knob, F1, various knob shapes available (figure shows shape H)

Cam cylinder no. 5558/30 WO

Brass, polished nickel plated

Locking movement 90°

Locking direction as desired

Fitting dimension 25 mm

Cylinder padlock no. 215 N/58 WO

Stainless steel shackle

Housing 58 mm wide, 50 mm high

Latches without locking

Shackle clearance 35 mm (standard)

Double cylinder no. 802/5 WO

Brass, satin nickel plated

One side locking, the other side blind

Basic lengths for profile cylinder:

5 pins: 27,5/27,5 mm

6 pins: 31,5/31,5 mm

Further variants available.

Also available in Swiss, English and Scandinavian profile.





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