

CES system WO

Horizontal reversible key section series
with patent protection for industrial buildings



Innovative locking engineering with legal protection

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 completely new and 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 CEStronics. 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 For reasons of security, we do not quote any references at this point.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

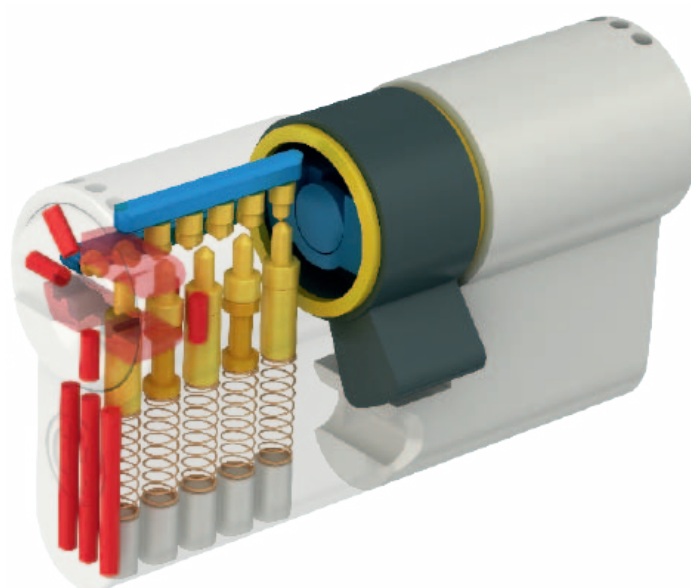
Thanks to the use of locking bars, the locking surfaces are multiplied which guarantees the long-term functioning of the system.

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 against presentation of the security card supplied with the locking system.



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, both cylinder halves 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 CEStronics

Accessories

Locking system management software CESportier®vision.



Selection of DIN 18252 / EN 1303 compliant designs

Double cylinder no. 810 WO

Brass, satin nickel plated
1 nickel silver key

Double cylinder no. 8710 WO

with emergency and danger function
Brass, satin nickel plated
Locking on both sides
1 nickel silver key

Single cylinder no. 851 1/2 WO

Brass, satin nickel plated
Follower adjustable in 12 positions
1 nickel silver key

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)
1 nickel silver key

Cam cylinder no. 5558/30 WO

Brass, polished nickel plated
Locking movement 90°
Locking direction as desired
Fitting dimension 25 mm
1 nickel silver key

Cylinder padlock no. 215 WO

Stainless steel shackle
Housing 58 mm wide, 50 mm high
Latches without locking
Shackle clearance 35 mm (standard)
1 nickel silver key

Double cylinder no. 802/5 WO

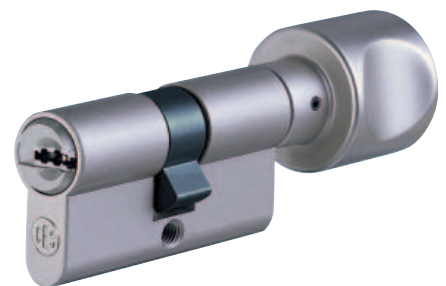
Brass, satin nickel plated
One side locking, the other side blind
1 nickel silver key

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.



**C. Ed. Schulte GmbH
Zylinderschloßfabrik**

Friedrichstraße 243
D-42551 Velbert
☎ +49 (0)2051-204-0
☎ +49 (0)2051-204-229
✉ info@ces.eu
www.ces.eu

CEStronics GmbH

Friedrichstraße 243
D-42551 Velbert
☎ +49 (0)2051-204-0
☎ +49 (0)2051-204-229
✉ info@ces-tronics.de

CESlocks GmbH

Mettmanner Str. 119
D-42549 Velbert
☎ +49 (0)2051-204-204
☎ +49 (0)2051-204-229
✉ info@ces-locks.de

CESfrance SARL

16 Boulevard Saint Germain
F-75005 Paris
☎ +33 (0)1-44 87 07 56
☎ +33 (0)1-43 07 35 78
✉ info@fr.ces.eu
www.ces.eu/fr

CESnederland B.V.

Lage Brink 9
NL- 7317 BD Apeldoorn
☎ +31 (0)55-52 66 89-0
☎ +31 (0)55-52 66 89-9
✉ info@nl.ces.eu
www.ces.eu/nl

CESitalia srl

V. d. vecchie Fondamenta, 4
Straße d. A. Gründungen 4
I-39044 Egna / Neumarkt (BZ)
☎ +39 0471-812 294
☎ +39 0471-812 294
✉ info@it.ces.eu
www.ces.eu/it

CESrom srl.

Str. Metalurgistilor 3 D
RO-550137 Sibiu
☎ +40 (0)269-206 00-2
☎ +40 (0)269-206 00-5
✉ info@ro.ces.eu

Your technical adviser on security matters: