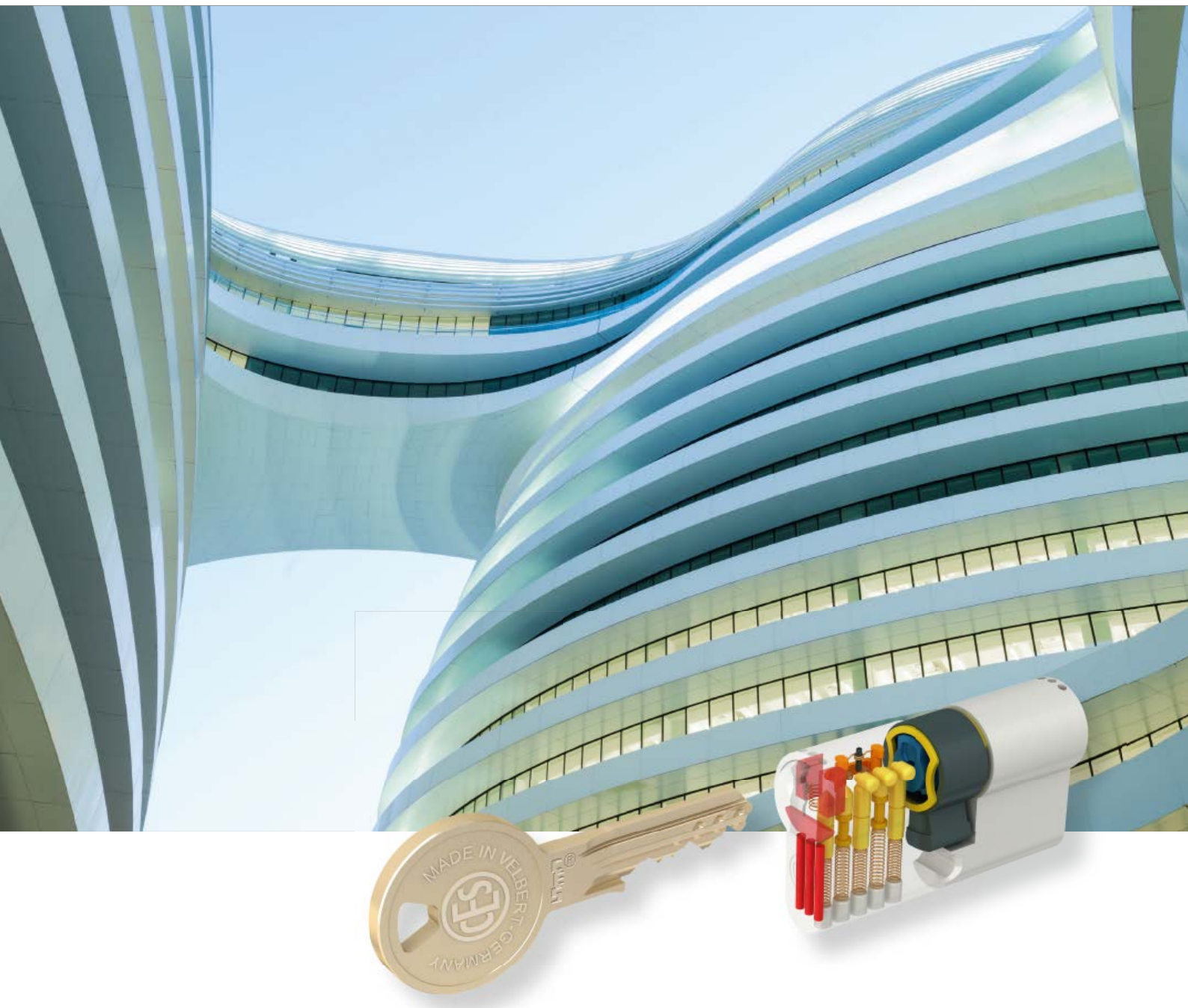


## CES System TDU

Innovative key section series with trademark protection  
3D profile for industrial buildings

Uncompromising security



# Innovative locking system technology with trademark protection

The CES key section series TDU is a conventional key system that offers maximum locking precision and fully complies with the highest DIN and VdS classes.

As a special feature, the CES TDU key system enjoys the protection of a registered trademark. The cross section of the key shank has the shape of the registered trademark CES. A trademark offers an indefinite legal protection.

Especially designed for upscale industrial buildings, this system satisfies the complex requirements on organization, convenience, economic efficiency and of course security.

Up to five key section control pins arranged on another locking level in the cylinder plug scan the lateral coding of the key section.

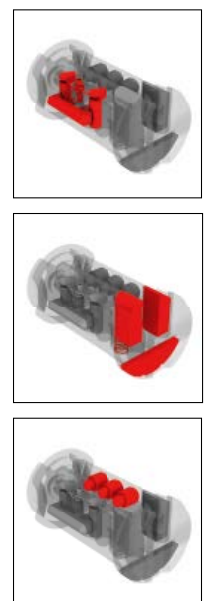
An additional undercut on both sides of the key section ensures a very high protection against unauthorized key duplication. As this undercut makes the section three-dimensional, the key cannot be copied with traditional key copying machines since these only operate in two dimensions.

The top-of-the-range version of these cylinders incorporates a BZ3 class anti-drilling and anti-pulling protection made of hardened special steel which also acts as a spring-loaded locking element. This locking element performs a contour-controlled security scan along the key section to verify that the key section has the rib with the undercut.

Two optional swivelling levers arranged on one side and acting on a locking bar serve as a highly effective locking element which performs a double security scan over the length of the key section.

The solid nickel-silver key with its bevelled key-section flanks impresses with its high-quality look and pleasant feel. A guiding groove along the entire cylinder plug ensures the positive transfer of the key torque.

The CES key system TDU can be combined with the electronic locking and access control solutions available from CESTronics.



# The TDU system

## DIN 18252/EN 1303 compliant

### Optimum locking security

The TDU key system has 5 or 6 nickel silver pin tumblers on each cylinder side. The TDU system is also characterized by impeccable locking precision, maximum variability and a cascade of effective security elements.

### Anti-drilling and anti-pulling protection

In the top-of-the-range version, all cylinders of the TDU system are provided with a spring-loaded anti-drilling and anti-pulling protection which at the same time acts as an active locking element. Already in the standard version of the cylinder, the use of different materials, such as hardened steel for key and driver pins, offers protection against drilling attempts. At least one driver pin and all key pins are made of hardened steel. And stepped locking pins make opening the cylinder even more difficult.

### Anti-picking feature

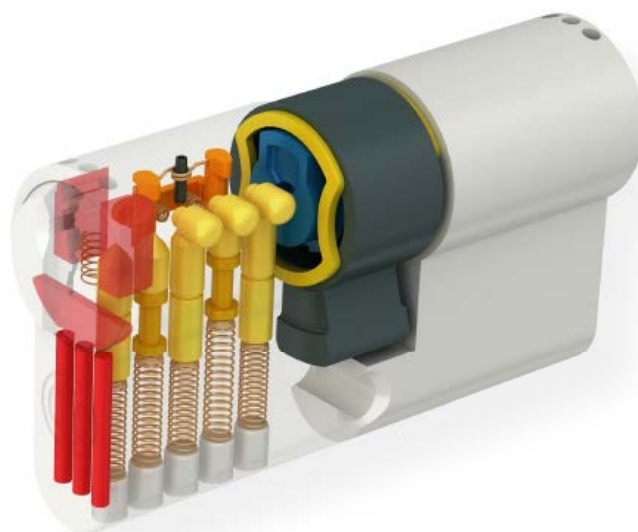
The specially designed and arranged locking elements of the TDU system ensure an effective protection against manipulation.

### Strong nickel silver key

The strong nickel-silver key is particularly handy and manufactured according to DIN standard. The key shank is at least 14 mm long and perfectly suited for commercial armatures with cylinder covering.

### 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 TDU 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.

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

- **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 and special cylinders**

The TDU system is also suitable for furniture and special cylinders from the CES range.

- **Electronic access solutions**

CES cylinders of the TDU system 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 TDU

Brass, satin nickel plated  
3 nickel silver keys

### Double cylinder no. 8710 TDU

with emergency and danger function  
Brass, satin nickel plated  
Locking on both sides  
3 nickel silver keys

### Cam cylinder no. 5558/30 TDU

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

### Single cylinder no. 851 1/2 TDU

Brass, satin nickel plated  
Follower adjustable in 12 positions  
3 nickel silver keys

### Cylinder padlock no. 215 TDU

Lock case chromium velour finish  
Stainless steel shackle  
Housing 58 mm wide, 50 mm high  
Latches without locking  
Shackle clearance 35 mm (standard)  
2 nickel silver keys

### Knob cylinder no. 815 TDU

Brass, satin nickel plated  
One side locking, the other side aluminium knob, F1, various knob shapes available (figure shows shape H)  
3 nickel silver keys

### Cylinder insert no. 802/5 TDU

Brass, satin nickel plated  
One side locking, the other side blind  
3 nickel silver keys

#### Basic cylinder lengths:

|         |              |
|---------|--------------|
| 5 pins: | 27.5/27.5 mm |
| 6 pins: | 31.5/31.5 mm |

Further variants are available.  
Also available in British and Scandinavian profile and as ANSI cylinders.



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