



CES System TDU

Locking system with 3D profile
for industrial buildings

With CES trademark on the key shank

System description

The CES system TDU is a patented, conventional locking system which offers maximum locking precision and fully complies with the highest DIN and VdS classes.

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

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

An additional undercut on both sides of the key section ensures very high protection against unauthorized duplication. The resulting three-dimensional key section offers a high level of protection against duplication. Due to this undercut, the key cannot be copied with traditional key copying machines because these only operate in two dimensions.

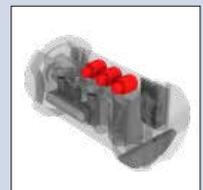
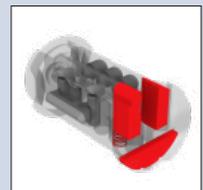
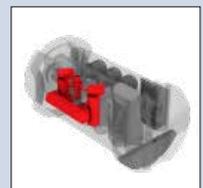
The fully-equipped version incorporates a BZ3 class anti-drilling and anti-pulling protection made of hardened special steel which also acts as a spring-loaded locking element. This locking element performs a contour-controlled security scan along the key section to verify that the key section has the profile 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 impresses with its high-quality look and pleasant feel. The registered trademark CES is a quality and recognition feature decorating the key shank. Due to its bevelled key sections, the key bit is pleasant to feel during the cutting process.

A guiding groove along the entire cylinder plug ensures the positive transfer of the key torque.

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



The TDU system pursuant to DIN 18252/EN 1303

Optimum locking security

The TDU locking system has 5 or 6 pin tumblers on each side made of hardened steel. In addition, the TDU system is characterized by highest locking precision, maximum variability and cascading effective security elements.

Anti-drilling and anti-pulling protection

All fully equipped cylinders of the TDU system are provided with spring-loaded anti-drilling and anti-pulling protection elements which are made of hardened steel and which at the same time act as an active locking element. The standard version of the cylinder already makes drilling attempts more difficult through the use of different materials, such as hardened steel for key and driver pins. At least one driver pin and all key pins are made of hardened steel. Stepped locking pins make opening the cylinder even more difficult.

Anti-scanning feature

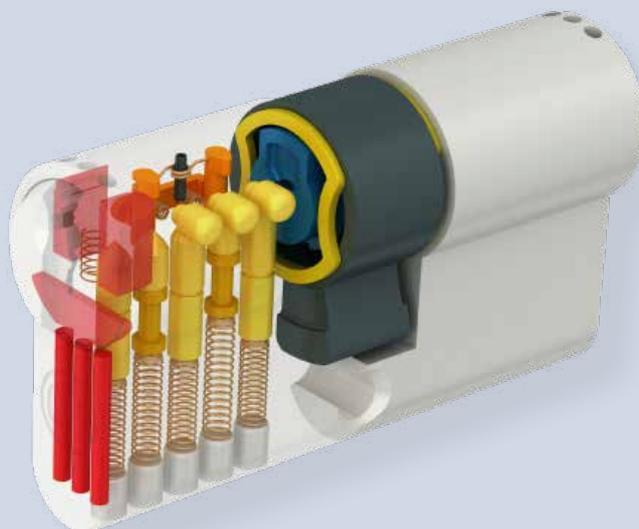
The specially-designed and arranged locking elements of the TDU locking system ensure effective protection against manipulation.

Strong nickel-silver key

The strong nickel-silver key is particularly easy to handle and is manufactured pursuant to DIN standards. The key shank is at least 14 mm long and perfectly suited for commercial handle sets with cylinder covering. The registered trademark CES is a quality and recognition feature decorating the key shank.

Security card

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



Accessories and special equipment

- **Modular system possible**
Profile cylinders belonging to the TDU system are also available in modular design.
This means that – if necessary – the length of the cylinders can be adapted to the thickness of the door on site, saving both time and money.
- **Double, half and knob cylinders (nos. 910, 9710, 951 1/2, 915) are also available as VdS certified cylinders of the classes BZ and BZ+.**
- **Version with impact protection**
- **Seawater resistant**
- **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 locking system is also suitable for furniture and special cylinders from the CES range.
- **Electronic access solutions**
CES cylinders belonging to the TDU system can be combined with the electronic locking systems from CES and the access control system AccessOne.
- **Accessories**
Locking system management software portier®vision



Selection of DIN 18252/EN 1303 compliant designs

Profile double cylinder no. 810 TDU
Brass, satin nickel-plated

Profile double cylinder no. 8710 TDU
With emergency and danger function
Brass, satin nickel-plated
Locking on both sides

Free-running profile double cylinder No. 8710F TDU
for multipoint locks with panic function
Brass, satin nickel-plated

Cam cylinder no. 5558/30 TDU
Brass, polished nickel-plated
Locking movement 90°
Locking direction as desired
Fitting dimension 25 mm

Profile half cylinder no. 851 1/2 TDU
Brass, satin nickel-plated
Cam adjustable in 12 positions

Padlock no. 215 N/58 TDU
Lock case brass chromium velour finish
Shackle stainless steel
Case width 58 mm, height 50 mm
Key removable without locking
Shackle clearance 35 mm (standard)

Profile knob cylinder no. 815 TDU
Brass, satin nickel-plated
Locking function on one side, aluminum knob on the other side, NF, various knob shapes available (figure shows shape H)

Profile insert no. 802/5 TDU
Brass, satin nickel-plated
Locking function on one side, dummy cylinder on the other side

Basic lengths for profile cylinders:

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.





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