

# TECTIQ double knob cylinder, reader both sides

Art.-Nr. TEC-Z-LB

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SIMPLE. ACCESS. ORGANISATION.

With the digital TECTIQ locking system.

The electronic TECTIQ locking cylinder with RFID reader grants people access on the locking medium (transponder, card) according to their permission level. Data exchange is encrypted and protected against readout (MIFARE® DESFire®). The battery-operated door component requires no external cabling or radio connection.

Validation/update

ABUS TECTIQ stores permissions and events on the RFID locking medium (Data-on-Card) and exchanges data wirelessly with the cylinder or the system. The optical illuminated ring signals to users whether they are authorised to access the system.

Elegant design, top quality

With its clear design and knob cap (RFID reader unit) in black or grey, the robust, high-quality cylinder with IP67 and stainless steel look is suitable for any door and surface.

Customised modular extension

The double knob cylinder is suitable for exterior and interior doors with door leaves 30 to 90 mm thick on each side. Extension modules in 5 mm increments are used to adapt the length to individual conditions, including flexibly on site or for shaft extension for doors with core pull protection.

Wide range of variants

Available in different versions: with reader on the outside or on both sides (e.g. for connecting doors), as a double knob, half cylinder or padlock. With panic function for emergency exit doors (EN 179/EN 1125).

Further options & configurations

Fire protection: Standard T30 and optional T90; optional security drill protection with extra-reinforced anti-drill protection (SKG\*\*\*) and core pull protection extension, e.g. for exterior and security doors.

## Technologies

- Electronic TECTIQ double knob cylinder for secure, simple and flexible installation on almost all connecting doors (solid leaf, profile frame, timber, aluminium, steel, plastic)
- High-quality cylinder (RFID reader on both sides) with stainless steel outside knobs and continuous stainless steel

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look, in a discreet, purist design line; highly weather-resistant in the standard version (IP67)

- TECTIQ cylinder with RFID reader for secure, readout-protected data transfer with TECTIQ locking media (MIFARE® DESFire®); with free-running exterior knob: no access without authentication
- The cylinder can be programmed via Bluetooth with the TECTIQ Admin app and, for example, receive a new time or the latest firmware update
- Elegant design in different Design variants to match the style of your building thanks to different colours and knobs
- Suitable for any door leaf thickness: cylinder length can be individually adjusted from 30 to 90 mm on each side thanks to the modular extension concept (length of the configured cylinder can still be adjusted on site)
- Replace the cylinder instead of the fitting set: convert a mechanical to an electronic cylinder at a favourable price and integrate the door into the TECTIQ locking system (simple cylinder replacement using a screw)
- For installation in fittings with core pull protection or doors without profile perforation: optionally available with core pull protection extension (OPZ) to guide the outer shaft of the cylinder up to 10 mm through the fitting
- Tested, certified quality: EN 15684, SKG\*\*\* (security), FZG, fire protection T30

## Technical data - TECTIQ double knob cylinder, reader both sides

|                                   |  |
|-----------------------------------|--|
| Administration                    | TECTIQ Access Manager  |
| Area of application               | Passage doors with authorization checks on both sides                                |
| Backset                           | ≥ 30 mm (round knob)/ ≥ 35 mm (square knob)  |
| Backup power supply               | Yes, Micro USB   |
| Battery - runtime                 | At 20 °C (room temperature): up to 60,000 cycles or 3.5 years if not actuated        |
| Battery - type                    | VARTA Lithium battery 3V CR2/CR15H270/6206   |
| Battery compartment               | In knob  |
| Battery warning stages            | 2 levels   |
| Bluetooth version                 | 5.1  |
| Certifications                    | EN 15684:2020 1-6-B-4-x-D-4-A/D, optional SKG*** (with Security drilling protection) |
| Colour                            | knob: brushed stainless steel black or grey   Cylinder body: brushed stainless steel |
| Core pulling protection extension | Optional 10 mm (configuration feature)   |
| Corrosion protection              | According to EN 1670 class 3/EN 15684 class 4  |
| Custom lengths                    | Yes, on request  |
| Cylinder profiles                 | Euro profile   |
| Design                            | Double knob cylinder   |
| Dimensions                        | knob: L = 48 mm, Ø = 38 mm   |
| Drill protection                  | Standard   Security (SKG***/EN 15684 clause 8 class D)                               |
| Extension steps                   | 5 mm (modular)   |
| FZG                               | Yes  |
| Factory reset                     | Yes  |
| Fatigue strength                  | > 200.000 cycles (EN 15684:2020 class 6, EN 179)                                     |

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## Technical data - TECTIQ double knob cylinder, reader both sides

|                                 |  |
|---------------------------------|--|
| Fire protection class           | T30  |
| Humidity                        | 20-99 % non-condensing according to EN 15684 class 4   |
| IP protection class             | 67   |
| Inside knob variants            | Square   Round   |
| Item abbreviation               | TEC-Z-LB   |
| Material                        | Cap: stainless steel, plastic   Cylinder body: brass   |
| Max. blacklist number           | 120  |
| Max. inside length              | 90 mm  |
| Max. operating temperature      | 65 °C  |
| Max. outside length             | 90 mm  |
| Min. inside length              | 30 mm  |
| Min. operating temperature      | -25 °C   |
| Min. outside length             | 30 mm  |
| Modularity                      | Yes  |
| Opening time can be set         | Yes (6/12 Sec)   |
| Outside knob variants           | Square   Round   |
| Programming                     | TECTIQ System Cards, TECTIQ Admin App  |
| Programming technology          | RFID (13.56 MHz)   Bluetooth (2.4 GHz)   |
| RFID frequency                  | 13,56 MHz  |
| RFID range                      | ≤ 1 cm   |
| RFID technology                 | MIFARE® DESFire® EV1, EV2, EV3   |
| Real-time clock (RTC)           | Yes  |
| Security features               | Freely rotating outside knob to prevent unauthorized access, engagement only when an authorised locking medium is presented, predetermined breaking point on outside knob, drilling protection |
| Signalling                      | Visual   |
| Special functions               | Office Mode  |
| Storage type                    | Ring memory: 890 events  |
| Transmission power              | -4 dBm   |
| Transponder conformity          | Passive-Transponder ISO 14443 A (MIFARE® DESFire®)   |
| Transponder encryption          | AES 128-Bit  |
| Update capability               | Yes (USB Updater Cable   Admin App)  |
| Use on escape and rescue routes | Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)  |
| Variants                        | Drilling protection standard/security, core pull protection extension  |
| Wireless conformity             | ETSI EN 300 328  |
| Wireless encryption             | AES 128-Bit  |
| Wireless standard               | Bluetooth Low Energy 2,4 GHz   |