

The 3VS system is the new Sinus reversible key profile.

SINUS - this is the name of the new system family from WILKA. The new keyways meet all the expectations put on cylinders in complex locking systems.

## Basic length

- from 30/30 mm
- measured from the middle of cam
- extension 5 mm per side
- The knob is always located on the inside of the cylinder.

## Technical characteristics

- 6 pin locking elements, class 80
- up to 12 profile control pins in two additional levels
- standard drilling protection  
(1 body pin and 1 core pin made of hardened steel)
- 1 stylus pin made of hardened steel for drilling protection
- special pins for picking resistance
- 1 special self-locking pin in the body
- highest patented key copy protection due to additional protector pin on the key
- made in Germany according to DIN 18252/DIN EN 1303
- patent protection until 2036

## Execution

- comfortable reversible key system
- horizontal key insertion
- cylinder body: brass matt nickel plated
- easy integration into the „easy“ electronic locking system through mechatronic key

## Options / Special equipment

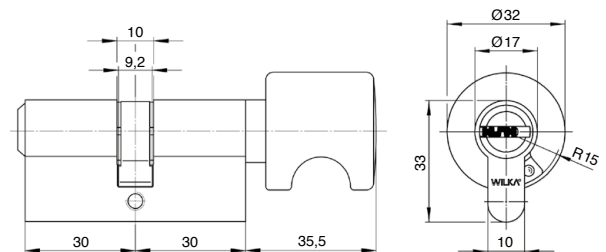
- different cylinder finishes \*
- drilling protection (ABH IX and ABH X) \*
- tear-off clip \*
- weather protection
- freewheel \*\*

## Operational area

- interior doors, exterior doors, front doors, apartment doors with increased security requirements
- private houses and apartments
- commercial sectors

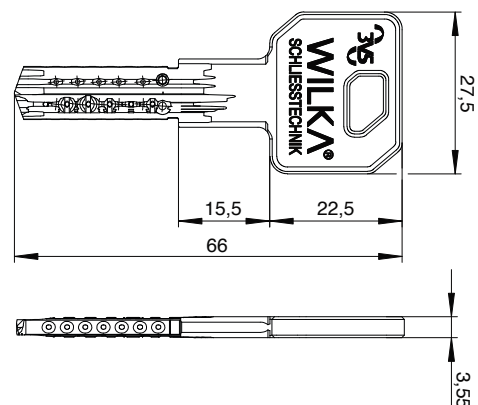
## Scope of delivery

- knob cylinder incl. 3 or more keys
- 1 fixing screw M5
- security card



## Key

- key thickness: 3,55 mm
- paracentric key profile against unauthorized opening with locking tools
- protector nickel silver key made of high-quality, low-wear nickel silver (highest patented key copy protection)
- reversible key
- new key design for use with standard security fittings



## Security options

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### Drilling protection IX (ABH IX)

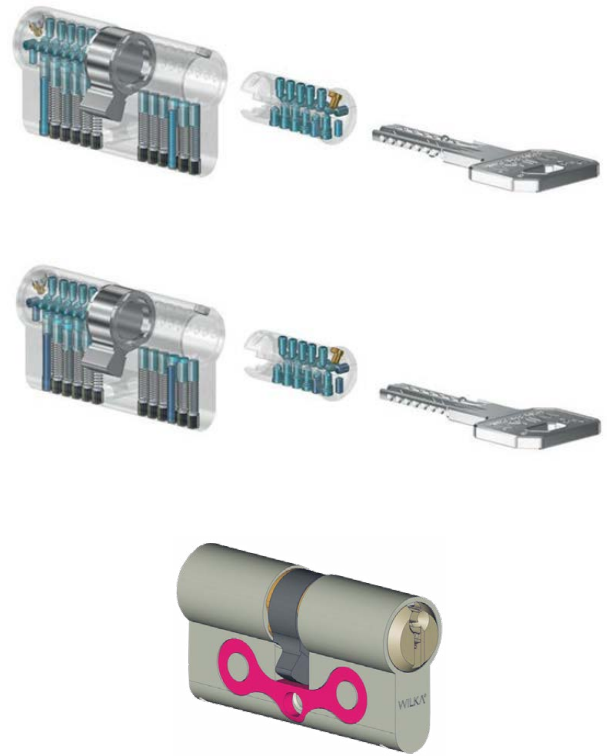
- for profile cylinders on endangered doors in reversible key systems
- all safety locking pin pairs made of hardened special steel (nickel-plated)
- each core 2 stylus pins made of hardened special steel
- core with 2 hardened, nickel-plated steel pins for increased protection against pulling and drilling
- body with 2 hardened, nickel-plated steel pins for increased body drilling protection
- on one side at the outside of the cylinder
- not combinable with the option: seawater resistant version

### Drilling protection X (ABH X)

- for profile cylinders on endangered doors in reversible key systems
- all safety locking pin pairs made of hardened special steel (nickel-plated)
- each core 2 stylus pins made of hardened special steel
- core with 2 solid carbide pins for highest pulling and drilling protection
- body with 2 solid carbide pins for highest body drilling protection
- on one side at the outside of the cylinder
- not combinable with the option: seawater resistant version

### Pulling protection: steel insert as tear-off protection (tear-off clip)

- steel insert integrated into the body as body breakaway protection
- not combinable with the option: seawater resistant version



\* this selection extends the delivery time    \*\* on request