



SK6 Radii profile plus

The newly developed and patented IKON radii profiles are based on a high-quality and stable key blank made of nickel silver with 6 active spring-loaded locking elements. The profile match of the key is arranged parallel to the back of the key. The profile features are designed as radii. The specific arrangement of radii on the variable and fixed profile features on the outside of the key makes it significantly more difficult to read and copy keys. A higher key copy protection can also be achieved through the optionally available profile control pin with key catching function. The new radii profile are characterised by high lock picking, scanning and break-ins security compared to conventional key profiles. The system is suitable for simple and larger locking systems.

Technical characteristics

- 6 active spring-loaded pin locking elements according to DIN EN 1303 or DIN 18252 = security against break-ins, scanning and lock picking
- paracentric key profile with crescent-shaped cuts
- with increased technical key copy protection (KCP=KT1) due to profile control pin with key catching function
- increased drilling protection as standard due to the hardened cylinder body pin and the first set of steel pins
- high pulling protection due to the clawed cam made of sturdy nickel silver
- increased protection against picking and lock bumping
- core pins made of wear-resistant special bronze
- crowned cylinder core head with reinforced key insertion
- cam made of break-proof, corrosion-resistant nickel silver profile
- DIN EN 1303, locking security class 6
- DIN EN 1303, attack resistance class 0, optionally with drilling protection class B/D and pulling protection
- protected key profile with security card
- patent protection until 2037

Execution

- cylinder body: brass matt nickel plated
- vertical key insertion
- conventional locking system
- combination with electronic possible at any time by transponder key, also as subsequent extension

Key

- nickel silver serrated key with square metal bow
- 13 mm key neck
- ergonomic key head
- optional plastic pin in different colours
- colour pins: these can indicate the assignment (e.g. locking authorisations) of the keys, simplifying key management

Special equipment

- increased drilling protection class 2 (AB = 2) or class 3 (AB = 3)
- core extraction protection
- freewheel
- weather protection
- different cylinder finishes
- emergency and danger function
- low-wear version

Operational area

- front doors, connecting doors, office doors, interior doors, exterior doors, apartment doors, gates, wooden doors, aluminium doors, tubular frame doors, etc.
- for simple and complex locking systems



Increased drilling protection class 2 (AB = 2)

- for increased safety requirements
- reinforced drilling protection through additional carbide pins in the cylinder core and cylinder body

Increased drilling protection class 3 (AB = 3)

- for high security requirements
- drilling protection in the cylinder core and cylinder body consists of a combination of several special carbide elements

Core pulling protection

To protect the core or locking cylinder against pulling, profile cylinders can be supplied with core pulling lock with pulling protection of locking cylinder and integrated drilling protection AB = 3 (AB = 2 for blocking shaft and radii profile extra) (VdS approved).