



## *RS3 S Cylinders*



# RS3 S Cylinders

## CYLINDER SECURITY – Attack Resistance

- **Breaking and pulling resistance: SNAP RESISTANCE.** Two-material steel core. 6 hardened steel segments (for increased strength) and 1 stainless steel segment (increased flexibility). Visible also after cylinder installation on the door.
- **Bumping (striking) resistance:** impossibility to obtain key blanks, existing bitted keys hard to turn into 'power keys', high number of compact-sized pins arranged radially.
- **Resistance to wax or other impression-based burglary techniques:** high number of compact-sized pins arranged radially.
- **Drill resistance: hardened steel biting system.** All the pins, drivers and inserts arranged on both sides of the cylinder and made from hardened steel.
- **Picking resistance:** not less than three rows of pins and drivers arranged radially; 2 active pins, operated by the mobile element (patented system); special pin and driver shape.
- **Push resistance:** projecting cam.

## KEY RELATED SECURITY

- **Patented key:** protected against illegal production.
- **Cloning resistance:** key equipped with a newly shaped mobile element.
- **Security Card:** for authorized key duplication only. Keys can be exclusively duplicated by CISA on producing the Security Card.
- **Bitting system:** radial system, up to 19 pins, 5 rows. Key bitting produces up to 8 billion different keys.

## MASTER KEYING POTENTIAL

- Extremely high potential thanks to the radial bitting system (up to 19 pins arranged on 5 rows).
- 85 million different cylinders and 1 Master Key.
- Other configurations available on request.
- Different versions available for different applications (e.g.

external drives for panic exit devices, rim version electric locks, shielded padlocks).

## DURABILITY

- Tested up to 100,000 cycles.

## EN 1303:2005

- Compliant with the European Standard EN 1303:2005.
  - **Attack resistance: 2**  0  1  2
  - **Key Related Security: 6**  1  2  3  4  5  6
  - **Durability: 6**  4  5  6
- For armored door classes 4 to 6 according to the draft Standard EN 1627.

## CERTIFICATIONS

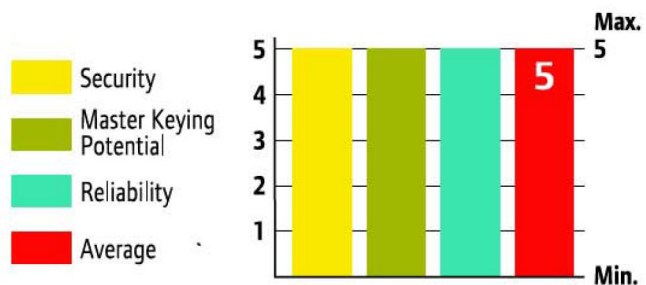
- ICIM certified: EN 1303:05 16010C62 – Europe.
- Ghost certified - Russia

## PATENTS

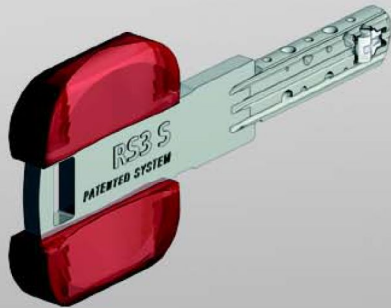
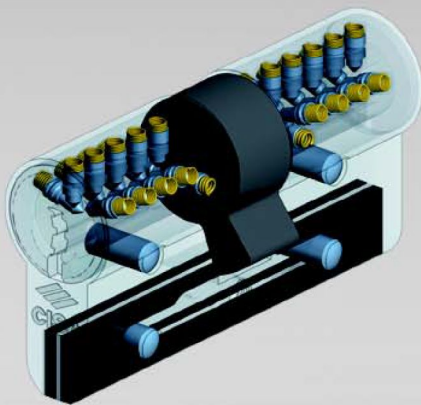
- Key: registered patent
- Snap resistant cylinder: B02003V000006.

## APPLICATIONS

Ideal product for high-security applications in residential buildings and for the armored door industry. In access control applications, it is ideally suitable for companies, shopping malls, universities and hospitals characterized by complex access management.



RS3 S has obtained the highest possible score in terms of security, master keying potential and reliability.



**Technical features of double cylinder, thumb turn shaft, adjustable shaft, single cylinder:**

**CYLINDER:**

- Bitting system: 13 active pins arranged radially on three rows, up to 19 pins on 5 rows for master keying.
- Hardened steel pins.
- Hardened steel drivers.
- Stainless steel springs.
- Brass casing with snap resistant two-material core (except for single, miscellaneous and rim cylinders).
- Brass plug.
- Finish: nickel-plated sand brass (fin. 12).
- On request: polished brass (fin. 66).
- Cam: DIN self-lubricated sintered steel. Double cylinder, single cylinder, thumb turn shaft, adjustable thumb turn shaft versions.
- Cam with clutch for emergency operation.

**KEY:**

- Non-handed, easier to use.
- With built-in mobile element.
- Material: nickel silver alloy.
- Numbered key head.
- Key neck length: 16 mm (compatible with protective roses).
- Thickness: 2.4 mm.
- Depth: 0.45 mm.

**Standard accessories for double cylinder, thumb turn shaft, adjustable shaft, single cylinder:**

- 3 keys.
- Security Card.
- Operating and Maintenance Instructions.
- Fixing screw.

**Master keying system, options on request:**

- KA (Key Arrangement); MK (1 level Master Key); GMK (2 level Master Key); GGMK (3 level Master Key); CE (central); CA (construction); C5 (5 supplied keys).
- DADA System (service cylinder plus master cylinder for double cylinder locks); 1,2,3 System (3 level rekeyable system); 1,2 System (2 level rekeyable system).

**TENDER SPECIFICATIONS:**

European profile cylinder, certified according to the Standard EN 1303:2005.

Attack Resistance degree 2.

Key Related Security degree 6.

Durability degree 6

(stand-alone configuration).

Double cylinder, thumb turn shaft, adjustable shaft, single cylinder versions must be equipped with a device to increase break and pulling resistance.

The device must also be visible after cylinder installation on doors.

Bumping resistance.

Radial bitting system with not less than 13 pins and drivers made from hardened steel.

Equipped with clutch cam for emergency operation.

Patented key. Patent valid until 2025.

Non-handed key with integral mobile element.

Key duplication can only be carried out by the manufacturers after Security Card submission.