

//DATASHEET

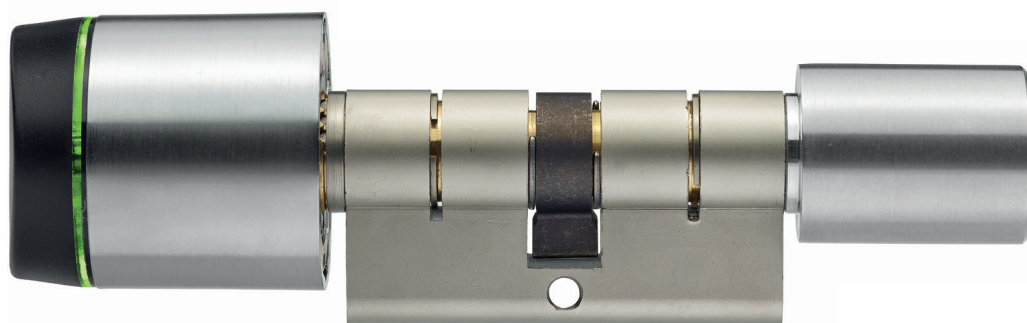
## SALTO KS Cylinder |

The next generation of electronic cylinder lock:

Fully integrated with the SALTO KS platform, SALTO KS Cylinder is a versatile, cost effective solution and its compact size and easy installation makes it the ideal electronic locking system for almost any type of door.

**EUROPEAN CYLINDER**  
GxE1/2/3

**SALTO \ KS**  
Keys as a Service

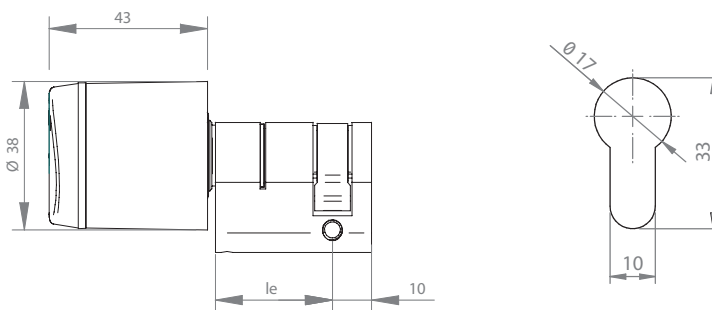


SALTO KS  
ELECTRONIC CYLINDER  
REMOVABLE KNOB  
EUROPEAN PROFILE  
HALF CYLINDER

The SALTO KS European profile half wireless electronic cylinder is specially designed to fit most Euro doors that are equipped with a European profile cylinder mortise lock.

SALTO KS EUROPEAN PROFILE MODEL: HALF

EUROPEAN CYLINDER GxE1



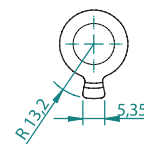
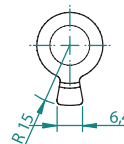
MAIN FEATURES:

- SALTO KS wireless version for wireless real-time control.
- All communications between the IQ/ Repeater and the SALTO KS wireless electronic cylinder are encrypted and secure.
- Optical signalling through light ring. Dual colour green/red to indicate access authorization. Acoustic signal optional.
- Available in 6 different finishes: satin chrome, polished chrome, polished brass, satin brass, black satin chromium and BioCote®.
- Different cam options: DIN 15mm cam for Euro profiles, 13.2mm cam for metal doors and cog wheel cam.
- High security via highly resistant hardened anti-drill protection.
- Concealed fixing screws for greater security and improved aesthetics.
- Optional, torx screw to tighten the knob and convert the cylinder on a fix knob cylinder.
- Emergency opening: SALTO KS Emergency Power Supply device.
- Available from 40. up to 110mm in thickness.
- Anti-Panic function available.
- Plus plug options (+5mm / +10mm) for doors where cylinder needs additional length between the knob and the body.
- IP55 or IP66 protection rating depending on the model.

CAM MODELS:

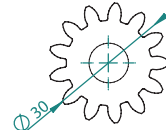
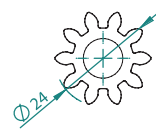
DIN 15mm (D)

SPAIN 13,2mm for metal doors (M)



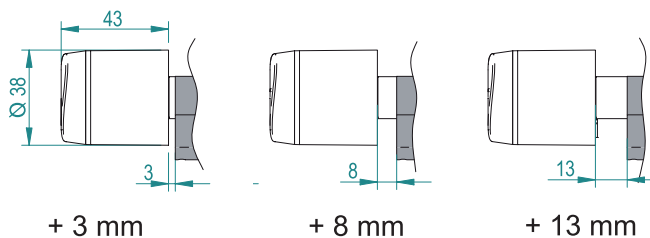
Cogweel 10 teeth (G)

Cogweel 13 teeth (Z)



PLUS PLUG OPTIONS:

Retrofits wide variety of European applications and adjustable cam. These new knobs plus plug 3 different options permit the installation and use of SALTO KS Cylinders in doors where the installation needs special additional length between the knob and the body.

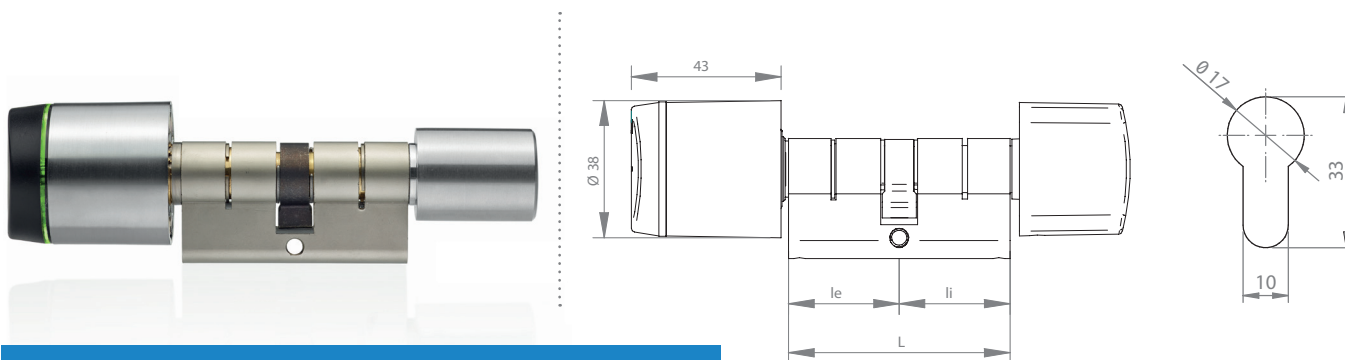


SALTO KS  
ELECTRONIC CYLINDER  
REMOVABLE KNOB  
EUROPEAN PROFILE  
CYLINDER

The SALTO KS European profile wireless electronic cylinder is specially designed to fit most Euro doors that are equipped with a European profile cylinder mortise lock and could be also opened from the inside.

SALTO KS EUROPEAN PROFILE MODEL: STANDARD

EUROPEAN CYLINDER GxE2



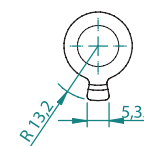
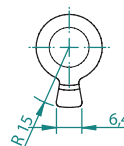
MAIN FEATURES:

- SALTO KS wireless version for wireless real-time control.
- All communications between the IQ/ Repeater and the SALTO KS wireless electronic cylinder are encrypted and secure.
- Optical signalling through light ring. Dual colour green/red to indicate access authorization. Acoustic signal optional.
- Available in 6 different finishes: satin chrome, polished chrome, polished brass, satin brass, black satin chromium and BioCote®.
- Different cam options: DIN 15mm cam for Euro profiles, 13.2mm cam for metal doors and cog wheel cam.
- High security via highly resistant hardened anti-drill protection.
- Concealed fixing screws for greater security and improved aesthetics.
- Optional, torx screw to tighten the knob and convert the cylinder on a fix knob cylinder.
- Emergency opening: SALTO KS Emergency Power Supply device.
- Available from 60. up to 200mm in thickness.
- Anti-panic function available.
- Plus plug options (+5mm / +10mm) for doors where cylinder needs additional length between the knob and the body.
- IP55 or IP66 protection rating depending on the model.

CAM MODELS:

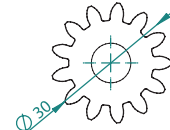
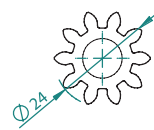
DIN 15mm (D)

SPAIN 13,2mm for metal doors (M)



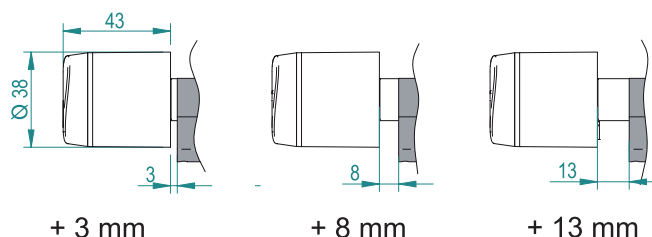
Cogweel 10 teeth (G)

Cogweel 13 teeth (Z)



PLUS PLUG OPTIONS:

Retrofits wide variety of European applications and adjustable cam. These new knobs plus plug 3 different options permit the installation and use of SALTO KS Cylinders in doors where the installation needs special additional length between the knob and the body.

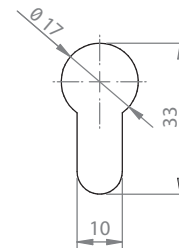
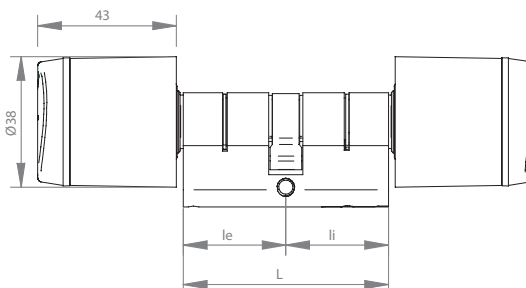


SALTO KS  
ELECTRONIC CYLINDER  
REMOVABLE KNOB  
EUROPEAN PROFILE  
DOUBLE CYLINDER

The SALTO KS European profile double wireless electronic cylinder is specially designed to fit most Euro doors that are equipped with a European profile cylinder mortise lock and where a double control (entrance & exit) function is needed.

SALTO KS EUROPEAN PROFILE MODEL: DOUBLE

EUROPEAN CYLINDER GxE3



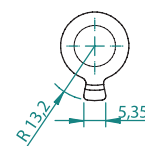
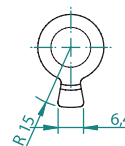
MAIN FEATURES:

- SALTO KS wireless version for wireless real-time control.
- All communications between the IQ/ Repeater and the SALTO KS wireless electronic cylinder are encrypted and secure.
- Optical signalling through light ring. Dual colour green/red to indicate access authorization. Acoustic signal optional.
- Available in 6 different finishes: satin chrome, polished chrome, polished brass, satin brass, black satin chromium and BioCote®.
- Different cam options: DIN 15mm cam for Euro profiles, 13.2mm cam for metal doors and cog wheel cam.
- High security via highly resistant hardened anti-drill protection.
- Concealed fixing screws for greater security and improved aesthetics.
- Optional, torx screw to tighten the knob and convert the cylinder on a fix knob cylinder.
- Emergency opening: SALTO KS Emergency Power Supply device.
- Available from 60. up to 200mm in thickness.
- Plus plug options (+5mm / +10mm) for doors where cylinder needs additional length between the knob and the body.
- IP55 or IP66 protection rating depending on the model.

CAM MODELS:

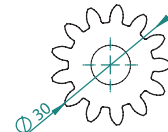
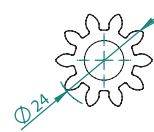
DIN 15mm (D)

SPAIN 13,2mm for metal doors (M)



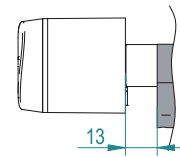
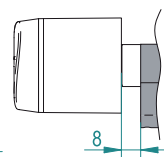
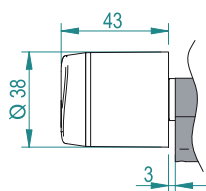
Cogweel 10 teeth (G)

Cogweel 13 teeth (Z)



PLUS PLUG OPTIONS:

Retrofits wide variety of European applications and adjustable cam. These new knobs plus plug 3 different options permit the installation and use of SALTO KS cylinders in doors where the installation needs special additional length between the knob and the body.



+ 3 mm

+ 8 mm

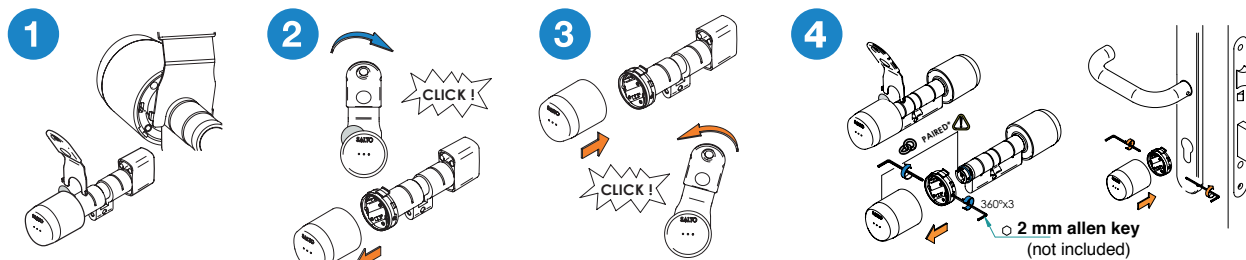
+ 13 mm

## ELECTRONIC MAIN FEATURES AND BENEFITS:

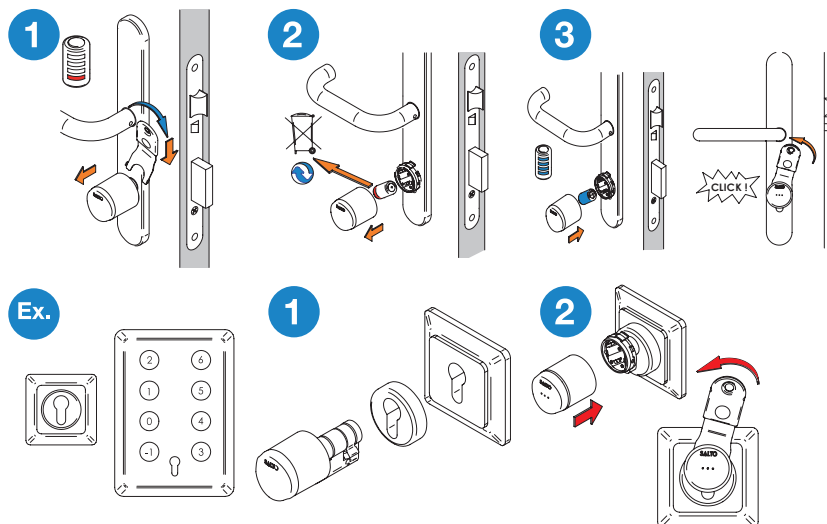
- Simple installation is possible for any type of door, including those with narrow frames.
- SALTO KS wireless version for wireless real-time control.
- Audit trail management via the SALTO KS App.
- All communications between the Tag, IQ, Repeater and SALTO KS Cylinder are encrypted and secure.
- Choice of different cam and cylinder profiles: Euro profile and UK oval, Mortise cylinders, Swiss profile, Scandinavian standards, Australian oval profile, RIM cylinders.
- Different finishes: BioCote®, Satin chrome, polished chrome, polished brass, satin brass and black chrome.
- High security via high resistance, hardened anti-drill protection.
- Concealed fixing screws for greater security and improved aesthetics.
- Optional, torx screw to tighten the knob and convert the cylinder on a fix knob cylinder.
- Some models can always be opened from the inside (a single action panic feature works in conjunction with the relevant mortise lock).
- Low battery power indication monitored through the SALTO KS App.
- Dual colour LED (green / red) to indicate access authorization.
- SALTO KS Cylinders in office mode, which means that specified doors are always unlocked during certain hours.

## REMOVABLE KNOB:

### REMOVABLE KNOB



### BATTERY CHANGE



## AVAILABLE LOCK MODES:

- **STANDARD:** locked at all times.
- **OPEN AND OFFICE MODE.**

FINISHES:



Satin  
Stainless Steel  
**CSB**



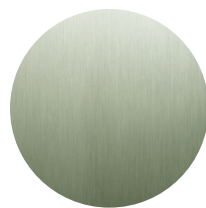
Polished  
Stainless Steel  
**CPB**



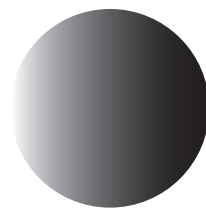
Satin  
Brass  
**PMB**



Polished  
Brass  
**PPB**



BioCote®  
Antimicrobial  
**BCB**



Black Satin  
Chromium  
**NEB**

ACCESS CONTROL FEATURES:

SALTO KS  
System

Maximum number of users per door	unlimited
Maximum number of doors per system	unlimited
Maximum events on lock audit	unlimited
Maximum number of Masterkey Users	39
Maximum number of APP Users per IQ	100
User groups	unlimited
Time Zones	unlimited

ID TECHNOLOGIES:

- MIFARE: DESfire EV1

KEYS AVAILABLE: TAGS



Blue



White



Red



Lime Green



Grey



## KEY BENEFITS INCLUDE:

- Tags meet ISO Standards.
- Battery free carriers.
- 1 Tag, 5 colors
- Waterproof.
- 13,56 Mhz
- 1 Tag for multiple SALTO KS systems.
- Secure, copyproof data carrier for high security.
- Strong, ergonomic design for long life.
- High resistance to variations in weather conditions.
- Comfortable to use - can be carried on a key ring alongside "traditional keys"

## SALTO KS WIRELESS ELECTRONIC APPLICATIONS:

SALTO KS wireless electronic cylinders are modular, flexible and easy to install in any kind of door. It's been specially designed and developed for use with doors where normal escutcheons cannot be fitted or are not allowed i.e. antique doors, certain types of fire doors, some types of multipoint locking systems etc. So whatever you want to control: a standard door, a glass door, an aluminium door, a steel door, a lift or elevator, a car park barrier or gate, entry to a data centre, access to a server cabinet, the security of a container or anything else SALTO KS Cylinders are the answer.



- 1 Server and rack solutions
- 2 Switch solutions
- 3 Elevator solutions

## OPTIONAL ACCESSORIES / GRIPS:

SALTO KS Cylinder grips have been designed to improve the operation of SALTO KS electronic cylinders. Suitable for use with gloves or by the disabled, the new SALTO KS Cylinders Grips provide an additional surface making the knob easier to operate.

- Disability Discrimination Act (DDA) compliant.
- BioCote® antimicrobial protection, silver ion technology.
- SALTO KS Cylinders Grip H and A models are available in:
  - Red
  - Blue
  - Yellow
  - Green
  - White
  - Black



GRIP H



GRIP A (DDA)

## TECHNICAL DATA:

### CURRENT REQUIRED:

- 1 Lithium standard battery CR2.
- Number of openings:
  - Up to 32,000 openings or 2 years on standby.

### ENVIRONMENTAL CONDITIONS:

- -20° / 60°.

### CERTIFICATIONS:

- Declaration of Comity CE
- Use of radio frequency spectrum**
  - ETSI EN 300 328 V1.7.1 (2006-10)
  - ETSI EN 302 291-1 V1.1.1 (2005-07)
  - ETSI EN 302 291-2 V1.1.1 (2005-07)

### Electromagnetic Compatibility

- ETSI EN 301 489-1 (2011-09)
- ETSI EN 301 489-3 (2002-08)

### Security requirements

- EN 60950-1 (2007)
- EN 60950-1(2006)
- A11(2009)
- A1(2010)
- A12(2011)
- Following the provisions of the directive

### IP CERTIFICATIONS: Outdoor Protection Standard

- IP55\* MODEL (SALTO KS standard model)

SOLID PARTICLE RESISTANT	LIQUID INGRESS RESISTANT
Quantity of dust ingress is not sufficient to interfere normal operation.	Water projected by a nozzle (6.3mm) against enclosure from any direction at least 3 minutes, 12.5 litres per minute, 30 kN/m <sup>2</sup> at distance of 3m, shall have no harmful effects.

- IP66\* MODEL (SALTO KS water resistant model [GxxxxR])

SOLID PARTICLE RESISTANT	LIQUID INGRESS RESISTANT
No ingress of dust.	Water projected in powerful jets (12.5mm nozzle) against the enclosure from any direction at least 3 minutes, 100 litres per minute, 100 kN/m <sup>2</sup> at distance of 3m, shall have no harmful effects.

\* IP66 refers only to electronic knob. Water entrance through the cam is not protected.

## SALTOKS.COM & SALTO KS APP: FEATURES

No software installation, scaling on any device, secured login, intuitive design, anything you may expect from today's cloud solution is in saltoks.com. Manage locks, people, messages and access rights with no hassle.

**The Dashboard:** saltoks.com always gives you up-to-date information and remote management of all SALTO KS components through the dashboard (door status, last entries, events and so on).

- **Access rights:** saltoks.com gives you the opportunity to individually determine who enters when and where. And if you want to change that just log-in, make your changes and it's done. No updating of SALTO KS Tag or SALTO KS Doorlock required.
- **Messaging:** saltoks.com always gives you up-to-date information and remote management of all SALTO KS components through the dashboard.

- **Security:** SALTO KS understands the importance of security. That's why we have incorporated state-of-the-art security measures in all our components and more important, we will keep updating that permanently. Not always visible but always there.
- **Remote opening:** One of the cool but really functional features of SALTO KS is the remote opening of doors with secure OneTimePassword technology. You may not use it every day but when you need it, you will be happy it's there.
- **Any device, any platform:** saltoks.com has been developed supporting all the latest browsers, devices and operating systems. From iOS to Windows and from laptop to Ipad.
- **SALTO KS App:** Available for IOS and Android Phones the SALTO KS App enables you to manage your SALTO KS system when you are on the go.

## SALTO KS ELECTRONIC CYLINDERS FEATURES:



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