

EVVA
access to security



4KS

More robust. Stronger. More secure.



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EVVA | A tradition with a future

Founded in Vienna in 1919, today the EVVA Group has its headquarters in Vienna and is represented by 10 subsidiaries in Europe and by distributors worldwide. EVVA employs around 750 people throughout Europe.

Three engineers joined forces in 1919 to form the „Erfindungs-Versuchs-Verwertungs-Anstalt“ (Invention, Experimentation and Application Institute), or EVVA for short. In 1937, EVVA received the first patent for a cylinder padlock, helping the company to strike out on the path of security technology. Nikolaus Bujas took over the company in 1973, he invested in machinery and expanded the in-house research and development department.

Research, development & expansion

At the end of the 1970s, Sven Berlage pushed forward the expansion of the branches, as well as export and international positioning of the company. Since 1999, Mag. Stefan Ehrlich-Adám has been the third generation at the head of the family-run company. He is setting the course for a successful future for EVVA. Alongside

tradition, research and development are key focus areas. Innovation and development are important elements to help EVVA grow into a major, international player. EVVA is already a leading manufacturer of access solutions in Europe.

Excellent mechanical locking systems & innovative electronic access control systems

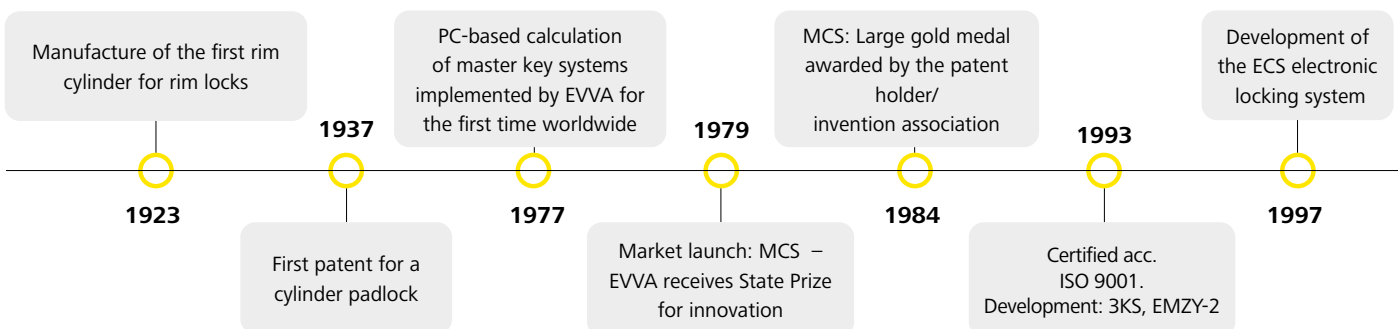
The long-established company EVVA is one of the best suppliers of mechanical locking systems.

EVVA has been offering two innovative electronic locking systems since 2014 - Xesar and AirKey - products that are the result of EVVA's many years of experience in electronic access control.

Facts & figures

-
- Headquarters in Vienna & 10 branches
-
- 750 employees throughout Europe
-
- EVVA supplies to over 50 countries all over the world
-
- TRIGOS Award 2012
-
- 2011 City of Vienna environmental award
-
- Consecutive, annual ÖKOPROFIT awards since 1999
-
- Certified as per ISO 9001
-

Overview of innovations



**EVVA -
innovative
since 1919**

EVVA continues to invest in its workforce



Corporate social responsibility (CSR)

For EVVA, CSR is more than just image, it is a necessity. Particularly for top technology companies, it is essential to work as sustainably as possible. Protecting environmental resources, investing in employees and paving the way for economic success.

Photovoltaic energy generation at EVVA



Clean production

EVVA is increasing its focus on an oil- and water-free production of products. This type of production, known as clean production, offers a wide range of advantages. EVVA has received numerous prizes for sustainable innovations. Examples include the Leonardo Award 2004, the Environmental prize 2011 from the City of Vienna, the TRIGOS Award 2012, as well as the annual „Ökoprofit-Auszeichnung“ (Ecological Project for Integrated Environmental Technology Award) every year since 1999.

2006

Development of new mechanical locking system (EPS, 3K*Plus*)

ICS market launch

2009

Launch of the innovative, electronic Xesar and AirKey systems

2014

Market launch 4KS

2016

Launch of bluetooth-function with AirKey

2018

Xesar software release 3.0

2019

New patent for EPS and FPS

2021



4KS | More robust. Stronger. More secure

You can always rely on 4KS. Thanks to its high levels of resistance the system also locks and unlocks in the toughest conditions. Even after years, it works like on the first day. This makes 4KS your first choice for the toughest conditions – at high altitudes or in production facilities subject to high amounts of dirt. And not just that. 4KS also offers extensive expansion capabilities, which enables the implementation of highly complex master key systems.



4KS benefits at a glance

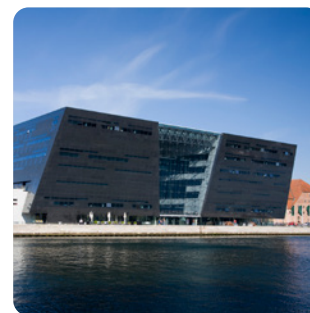
- › Resilient and extremely durable
 - › For master key systems with a highly complex structure
 - › Springless technology
 - › Patent protection until 2037 at the latest*
-

The access system for highly complex master key system structures

4KS is ideal for locking systems with a complex structure and a large number of different user groups. Such as universities, shopping centres, retail chains and industrial companies. In cooperation with qualified partners, EVVA has been providing security technology for a hundred years.



Vienna University | AT

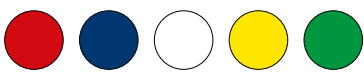
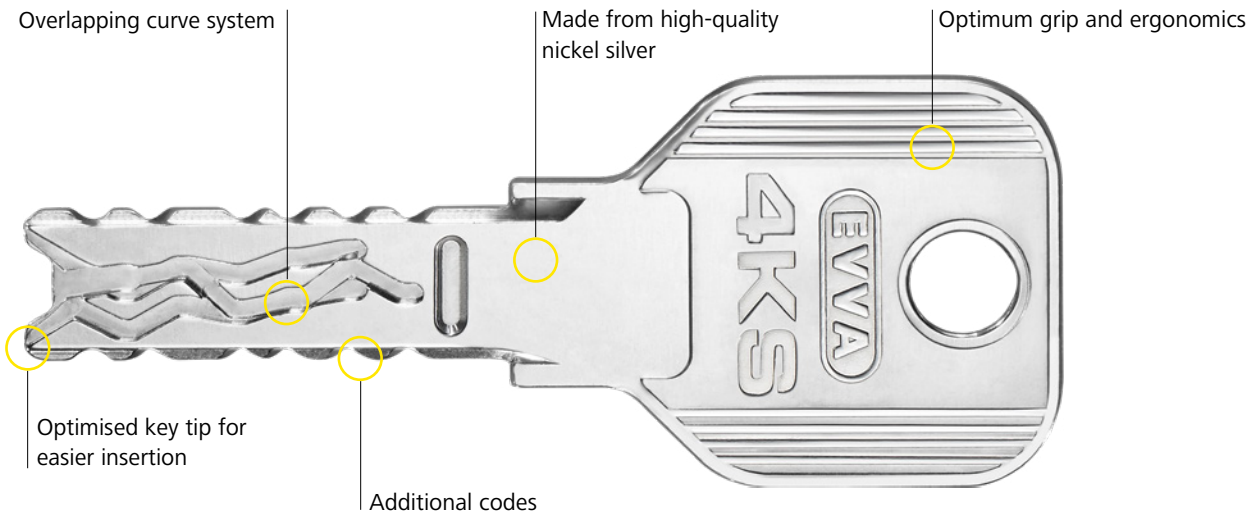


Royal Library | DK

* according to EP3426865
For country-specific patent protection, see worldwide.espacenet.com

4KS | One system, many details

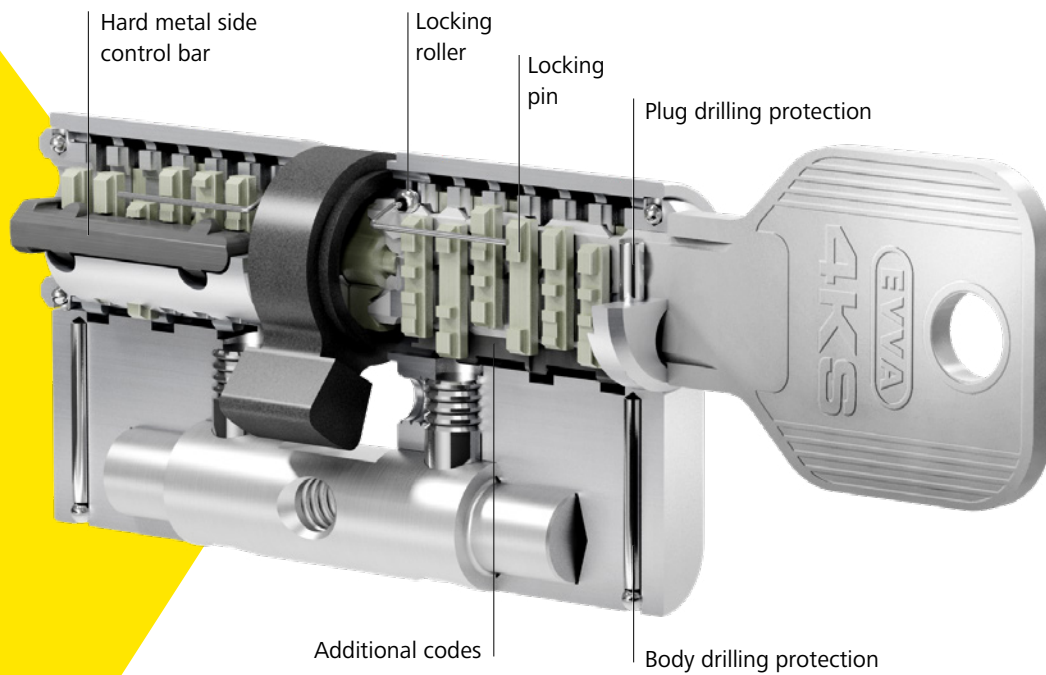
In contrast to other master key systems, the locking elements in 4KS cylinders slide along the curve key cuts on the key. A total of 12 springless, massive locking pins are brought into a specific position via positive control of the 6 key curves and scanned by 2 control bars. As a result of the key's overlapping curve key cut it is virtually tamper-proof.



Practical, handy and appealing

Optionally, 4KS keys are available in a range of colours. The colour coding helps to easily distinguish between keys.



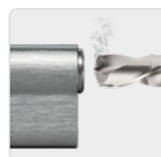


All-round protection:

Copy keys, additional cylinders and lock charts are available from authorised EVVA Partners but only with corresponding proof of legitimacy, the EVVA security card.

Benefit from the security features:

The reliable technologies of the 4KS cylinder provide sustainable protection against illegal opening methods.



Drilling protection



Plug pulling protection



4KS | Solutions



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GP surgeries and small clinics

Security comes first

Medical practices, health centres, small hospitals



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12

Large educational institutions

Reliable security easy to manage

Universities, universities of applied sciences, educational centres

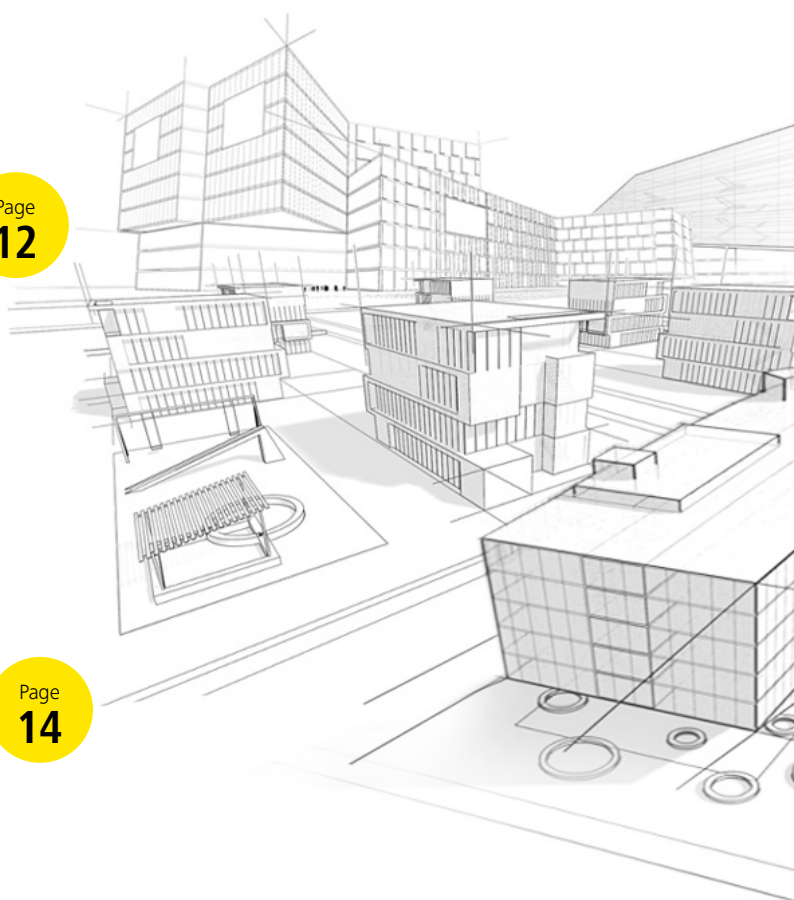


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Large office buildings

Optimised processes with high operational reliability

Insurance companies, ministries, magistrates



Page
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Industrial premises

Securely managed production processes

Power plants, logistics companies, manufacturing industry

Page
18



Infrastructure hubs & transport

Security from A to B

Railway stations, trains, ports, ships, airports

Page
20



Culture and leisure centres

People and goods in secure hands

Stadiums, museums, theatres, churches

Page
22



Shopping centres and retail chains

High value tangible assets flexibly managed

Shopping malls, supermarkets, chain stores

Page
24



Residential complexes with administrator lock

Simplified management with a high level of security and convenience

Several residential buildings managed as part of a single system

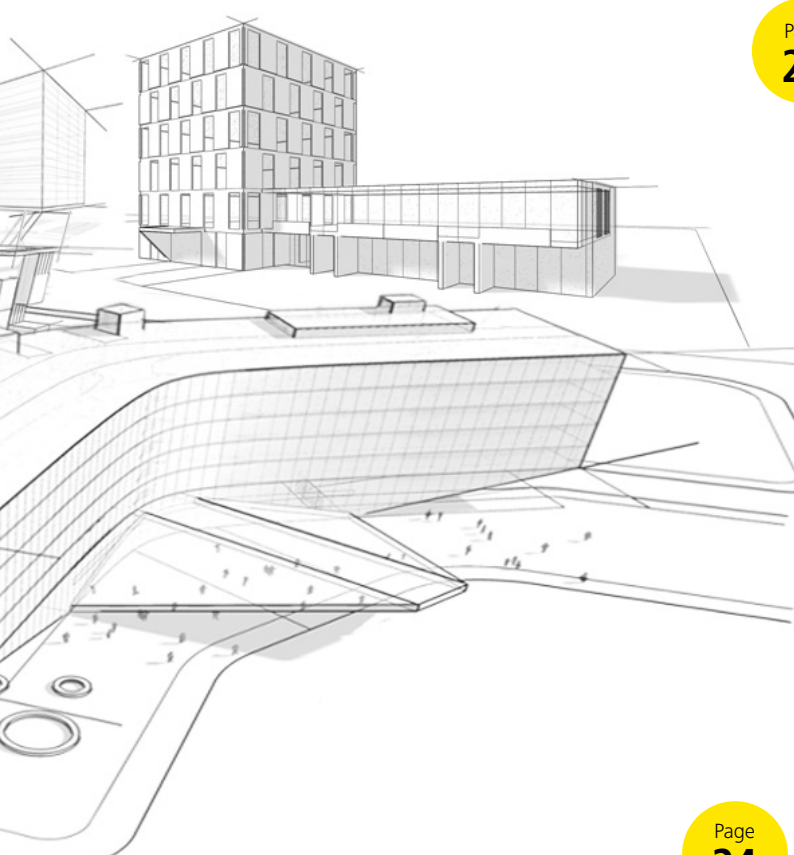
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Private living

For a good feeling of security

Private homes



4KS | Medical practitioners & small hospitals



LKH Mistelbach | Austria

VETMED Vienna | Austria
IWP Rosenberg | AT



Object	LKH Mistelbach
Building type	GP surgeries and small clinics
Place & Year	Mistelbach (AT) 2013
Units	2,127 4KS cylinders

Special features of the project:

Constantly growing structures and continuous changes required a trend-setting realignment in terms of locking technology. Copy-proof keys with high wear resistance and sufficient room for expansion. In addition, this locking solution scores highly thanks to its modular reusability in the event of a change of location.

Individual properties were equipped with the 3KSplus locking system, which today corresponds to the 4KS locking system.

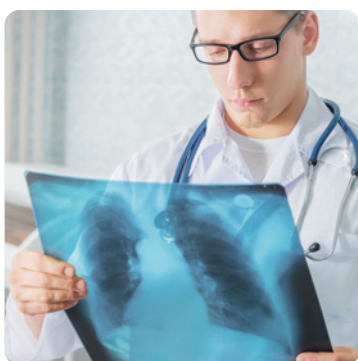
Further successful projects: Loogarten Retirement and Nursing Home, CH | HEH Kliniken, DE | Städt. Klinikum Celler Straße, DE | Städt. Klinikum Salzdhalmener Straße, DE | Koch Arztpraxis, DE

» All references can be found on our website.

Secure under one roof

The X-ray specialist, physiotherapist and chiropractor under one roof. This is practical and the trend, but it also requires a high degree of security measures: to protect the expensive X-ray machine, the medicine cabinet and confidential patient data. And since the group practice is thriving, they are already thinking about an expansion.

It's good that there are locking systems like 4KS. Thanks to the plannable master key system reserves, 4KS grows with the success of the business; it offers a wide range of cylinders to reliably secure equipment and cabinets and also offers a high level of burglary protection.



Protection cubed

Special rooms need special protection. 4KS offers everything needed for a high-security locking system: Drilling, plug pulling and snapping protection.

4KS Euro profile cylinder
 » Page 48



One for all

One key fits everything: Entrance door, treatment room, communal kitchen, filing cabinet and medicine cabinet. This is possible thanks to the wide range of 4KS cylinders.

Layout
 » Page 34

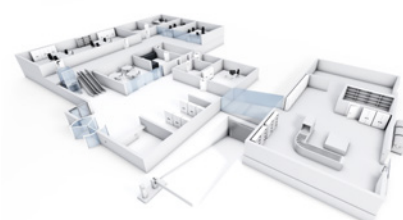


The perfect match

AirKey is an ideal electronic supplement whenever flexible authorisation assignments and event logging are required. Security world united by the combi key.

AirKey
 » AirKey product catalogue

see the system overview
 » from page 34

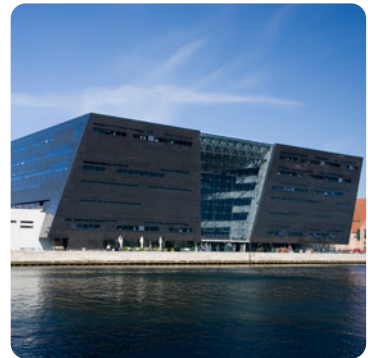


4KS | Large educational institutions



Vienna University | AT

HBL Salzburg | AT
Vienna University of Technology | AT
Royal Library | DK



Property	Vienna University
Building type	Large educational facilities
Place & Year	Vienna (AT) 2013
Units	6,918 4KS cylinders

Special features of the project:

There are many reasons to have the best security at universities: cross-site security, increased security for sensitive areas and to oblige students to keep to opening hours. Whether students, professors, technicians or cleaners - all user groups are served by this resilient system.

Individual properties were equipped with the 3Ksplus locking system, which today corresponds to the 4KS locking system.

Further successful projects: Schools of the municipality of Vienna, AT | Mezzana Agricultural School, CH | University of Curtin, AU | Campus Sursee, CH | Hugo Wolf Straße elementary school, DE | Karl Franzens University, Graz, AT | Grundschule Hildegard von Bingen, DE | Grafing High School, DE | Institute of Laser Physics, Hamburg, DE | MPI for Evolutionary Biology, Plön, DE | Neubiberg elementary school, DE | Bavarian International School, DE | Grundschule Hanselmannstraße, DE | Markgrafenstraße elementary school, DE | Royal Library, DK | Hochschule für Musik "Franz-Liszt", DE | Properties of the Klassik Stiftung Weimar, DE | Favorite School, DE

» All references can be found on our website.

Secured education

Teachers, students, cleaners, service technicians, event organisers, ...universities are a hive of activity for so many people from all walks of life. Who may access an area must be clearly regulated and defined. At the same time, equipment in laboratories is of considerable value, and when it comes to escape and rescue routes, nothing can be allowed to go wrong.

4KS is not only able to realise highly complex locking systems. 4KS also provides a wide range of cylinders, high burglary protection and keys that are very difficult to copy due to their technical characteristics. 4KS can also be easily combined with an electronic locking system.



Escape routes and emergency exits

In an emergency, it must be possible to move quickly. 4KS meets all the necessary standards required for use in panic locks and escape doors.

Standards
» Page 196



Let there be light

In no time at all, the lecture hall is supplied with power for light, sound and imaging. This is made possible by a switching cylinder in the technician's command centre.

4KS Switch & switching cylinder
» Page 162

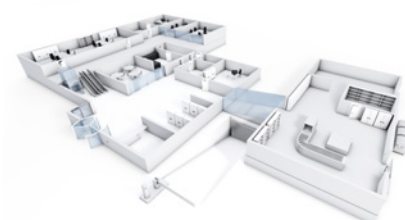


Versatile use

Individual lecture halls are often rented out to event agencies. The simple solution here: AirKey. With AirKey, the keys are handed over via the Internet.

AirKey
» AirKey product catalogue

see the system overview
» from page 34



4KS | Large office facilities



Pension Insurance Institution | AT

Zeiss Head Office | DE
TownTown | AT
Rheinwerk | DE



Property	Pension Insurance Institution
Building type	Large office buildings
Place & Year	Vienna (AT) 2013
Units	2,874 4KS cylinders

Special features of the project:

The PVA, Austria's largest social insurance institution, provides the basis for a stable social system in our country for around 3.1 million compulsorily insured persons. The Vienna-based headquarters is divided into two large buildings and, due to its branched user structure, makes the highest possible demands on a mechanical locking system. It is no wonder that this locking system was chosen because it is so powerful that even highly complex master key systems can be realised with it.

Individual properties were equipped with the 3KSplus locking system, which today corresponds to the 4KS locking system.

Further successful projects: DENIZ Bank, DE | TownTown office complex, AT | Marxim, AT | Pension Insurance Institution, AT | T-Mobile, AT | Rheinwerk, DE | Stadthaus Verwaltungs der Stadt Dortmund, DE | Technopark Raaba, AT | Rizzi House, DE | Stadthaus Petri / Braunschweiger Zeitung, DE | DeTe Immobilien, DE | Hafenhäuser Travemünde, DE | Allianz Hamburg, DE | Haus Kossenhaschen – former Hotel Erfurter Hof, DE | Stadt Unterschleißheim, DE | Zeiss headquarters, DE | Allianz Unterföhring, DE | Pasing City Hall, DE

» All references can be found on our website.

High level of business security

Today, a large office building unites many business units and many tenants under one roof. In order to be able to map the associated complex user structures in a locking system, a very powerful master key system, such as 4KS, is required.

With 4KS, not only can a highly complex locking system be planned, but with forward-looking planning, subsequent extensions can also be implemented. This system also easily accommodates changes in the organisational process.



Versatile use

4KS offers a wide range of cylinder types. This also includes cylinders for switching electrical devices, such as those used in revolving doors.

4KS Switch & switching cylinder
 >> Page 162



Different installation requirements

Sensitive topics are often discussed in meeting rooms that are not for everyone's ears. It is good to have doors that can be easily locked from the inside.

4KS Thumbturn cylinder
 >> Pages 54, 62

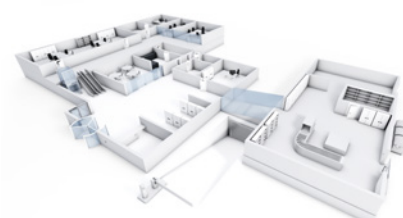


Well combined

4KS can be perfectly combined with EVVA electronic locking systems. The following applies: electronic access system on the outside, mechanical access system on the inside. The two access worlds are connected by means of the combi key.

Combi key
 >> Page 43

see the system overview
 >> from page 34



4KS | Industrial premises



Netcologne in Cologne | DE

Zeiss production | DE
Opitex | DE



Property	Netcologne in Cologne
Building type	Industrial properties
Location & Year	Cologne (DE) 2011
Units	2,500 4KS cylinders

Special features of the project:

The regional telecommunications provider NetCologne required a high level of security, stability and quality for its locking system. Another requirement was the ability to supply duplicate keys and extension cylinders at short notice.

EVVA was able to make a convincing case here with its high-quality locking system and pleasantly surprise the customer with its particularly short delivery time. Today the master key system includes a vast 2,500 cylinders and meets all requirements in terms of flexible access control and high levels of key security.

Individual properties were implemented using the 3KSplus locking system, which corresponds to today's 4KS locking system

Further successful projects: Birnstingl oil mill, AT | Herz Entsorgung und Logistik GmbH, DE | Austrian Power Grid, AT | Heesen Yachten, NL | White and white components, DE | Harz Energie, Osterode, DE | Jägermeister, Wolfenbüttel, DE | Kessels Schweißtechnik, DE | Netcologne, DE | Autostadt Wolfsburg, DE | Stadtwerke Wolfenbüttel, DE | Stadwerke Clausthal Zellerfeld, DE | IFM, DE | Dachser Food Logistic, DE | Lübeck dealership, DE | Bertels Textil, DE | Eutiner Werkstätten, DE | Wegmeister GmbH, DE | Recaro, DE | Production Zeiss, DE | Air Wolf Unterhachingerstraße, DE | Hotel Aida, DE | Opitex, DE | Aigner locksmith, DE

» All references can be found on our website.

Productive security

Dust and dirt can cause serious damage to cylinders. A robust locking system is required. Changing production processes and expansions also require a very flexible access system.

It's good that 4KS is available. This outstanding locking system is springless, meaning it is particularly wear-resistant and durable. With good planning, extensions can also be retrofitted using 4KS, and thanks to the large range of cylinders, special security areas can be integrated into the master key system.



Toughest conditions

Whether the cylinder is permanently exposed to dust and dirt, or wind and weather, 4KS defies harsh operating conditions and certainly will never let you down thanks to its intelligent technology.

4KS Euro profile cylinder
 » Page 48



Switch and rule

4KS can also control conveyor belts, machines or airlocks. The 4KS switch and switching cylinders make this possible at the drop of a hat. Choose from a wide range.

4KS Switch and switching cylinder
 » Page 162

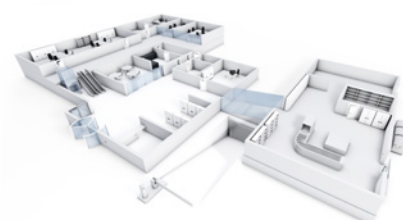


Solid security

Explosive hazardous goods must be stored temporarily? Here it is best to rely on the solid security of 4KS padlocks. Additional security options are also available.

4KS Padlock
 » Page 84

see the system overview
 » from page 34



4KS | Infrastructural hubs & transport



„BahnhofCity Vienna West“ ÖBB train station

Hauptbahnhof, Düsseldorf | Germany



„BahnhofCity Vienna West“ ÖBB train station

Building type Infrastructure hubs and transport

Place & Year Vienna (AT) 2013

Units 995 4KS cylinders

Special features of the project:

City Vienna West train station is the new attractive shopping centre in Vienna's Westbahnhof district. The access solution sought was a combination of mechanical and electronic security. Convenient handling, a high level of security, the possibility of expansion and the secured delivery of additional keys were important. EVVA's locking system successfully provides all this and more.

Individual properties were equipped with the 3Ksplus locking system, which today corresponds to the 4KS locking system.

Dynamic security

Transport hubs combine many functions under one roof and serve the needs of countless streams of people. The need for security is high. If not already under construction, the expansion of railway stations and airports is certainly in the planning stage.

Emergency exits, technician rooms, staff access, lifts, sales outlets – everything can be implemented in a highly complex master key system with 4KS products. Later expansion across locations is also possible with 4KS if planned with foresight.



One for all

Do service technicians have large, heavy key rings? Not with 4KS. This is because technical rooms and switch boxes can be integrated into the 4KS master key system.

Master key system
 >> Page 36



Aye aye, Captain

The Captain's Bridge, a much sought-after destination for many. And the most important place on to visit on board. This cylinder must always be kept locked. EVVA has developed a special corrosion protection for such applications.

Seawater resistance option
 >> Page 80

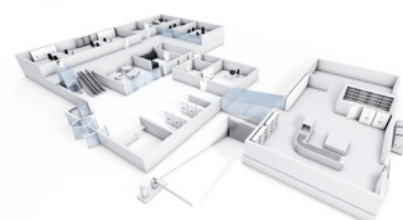


Train security

What is important for control boxes in trains? That they can be reliably locked at any time and cannot be easily compromised. 4KS is dirt-resistant and affords a high level of burglary protection.

4KS Cam lock
 >> Page 90

see the system overview
 >> from page 34



4KS | Cultural and leisure centres



Vienna Exhibition Centre | Austria

Property	Vienna Exhibition Centre
Building type:	Cultural and leisure centres
Place & Year	Vienna (AT) 2013
Units	2,630 4KS cylinders

Special features of the project:

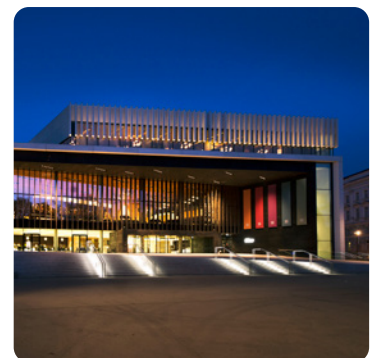
Complex key hierarchies are required for the Vienna New Exhibition Centre with its comprehensive locking plan. In addition to exhibition centre employees, external staff, such as exhibition centre designers, lighting specialists or catering teams also require controlled access to various areas. The locking system offers over 30 trillion key variations and is therefore predestined for large systems: The Vienna New Exhibition Centre is equipped with 2,630 cylinders.

Individual properties were equipped with the 3KSplus locking system, which today corresponds to the 4KS locking system.

Festspielhaus Baden Baden | DE

Vienna Cemeteries | AT

Music theatre | AT



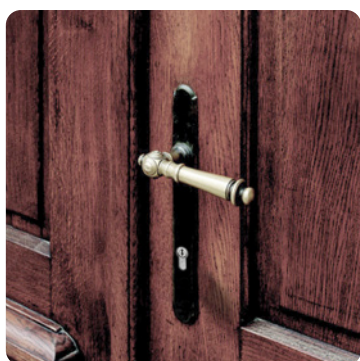
Further successful projects: Sports Center Landskron, AT | Giggijoch cable car, AT | Thuringian State Archives, DE | O2 Arena, CZ | Cineplexx, AT | Vienna cemeteries, AT | Vienna Exhibition Centre, AT | Music theatre, AT | Int. Musikschule Schloß Kapfenburg, DE | Stephansdom, AT | Zoo Osnabrück, DE | Aktiv-Huus DE | Kurpark Mölln, DE | Diakonie Moosach, DE | Festspielhaus Baden Baden, DE | Michaelibad Munich, DE | Staatsoper München, DE

» All references can be found on our website.

A good feeling about security

Think of a stadium where thousands of people sit and suddenly it needs to be evacuated quickly. Think about all the various coaches, technicians, groundskeepers and cleaning staff who come and go every day. Or think about the museums that house valuable art and cultural heritage. Is there a locking system that takes care of all this?

Is there: 4KS is not only able to map complex user structures in a master key system, but also fulfils all the necessary standards for equipping escape and rescue routes. 4KS can also be combined with an electronic access solution.



Aesthetic requirements

The appearance of heritage-protected doors in museums, for example, must meet high standards. Fortunately, 4KS cylinders are available in many different finishes.

Finishes
 » Page 72



First for security

Where there are many people, it must be possible to react quickly in an emergency. This is possible with 4KS. The cylinders comply with all standards for escape doors.

Standards
 » Page 194

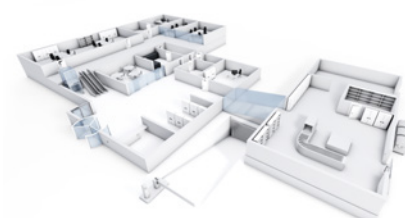


Don't panic

The key to the depot with the irreplaceable art treasures was lost? Don't panic! With 4KS, you have a key at your fingertips that has a high level of technical protection.

4KS Keys
 » Page 40

see the system overview
 » from page 34



4KS | Shopping malls and retail chains



Benetton Shops | DE

CCU, Henstedt-Ulzburg | DE
Colruyt | BE
Galeria Baltycka | PL



Property	Benetton shops
Building type	Shopping centres and retail chains
Place & Year	Sindelfingen (DE) 2005
Units	380 4KS cylinders

Special features of the project:

Fashion chain Benetton is a successful Italian company and operates around 6,500 clothing stores worldwide. Benetton relies on locking systems from EVVA for its numerous shops in Germany. The locking system convinced the well-known fashion manufacturer above all with its high key copying protection as well as its planning security with respect to expansions or to changing access control requirements.

Individual properties were equipped with the 3KSplus locking system, which today corresponds to the 4KS locking system.

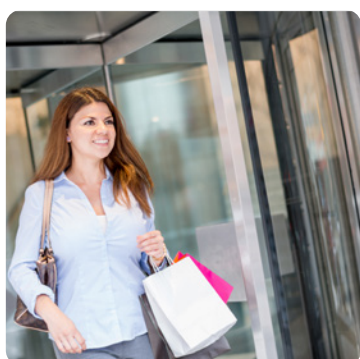
Further successful projects: Baltycka Gallery, PL | Benetton Shops, DE | CCU, Henstedt-Ulzburg, DE

» All references can be found on our website.

Versatile security

Many branches, internationally distributed, changing tenants, cleaning and security staff, technicians, customers that enter and leave every day and a dynamic building plan that provides for structural extensions when business flourishes. Which locking system is so dynamic?

4KS provides this dynamic. This is made possible on the one hand by the highly complex locking system capability, which also allows locking system reserves to be planned at the start of the project, and on the other hand by the variety of cylinders, which can solve almost any access situation.



Different cylinder types
4KS offers cylinder types for electrical switching applications that are suitable for a wide variety of installation situations, such as those in revolving doors.

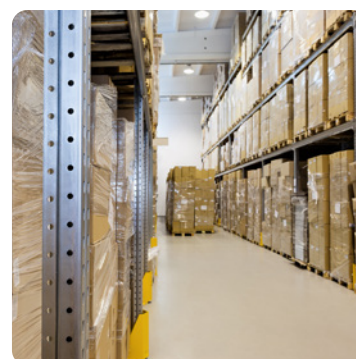
4KS Switch and switching cylinder
» Page 162



Customised access solution

The technician only has access to the technician's rooms, the tenant has access to his shop as well as to the refuse room, and the security service can access the whole building. You wish - the 4KS locking system performs.

Master key system
» Page 36

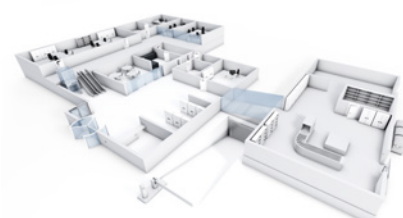


Well protected

The warehouse is a very sensitive area which often holds goods of a very high value. Burglary protection is a top priority here. You can rely on a 4KS cylinder when it comes to your security.

4KS Euro profile cylinder
» Page 48

see the system overview
» from page 34



4KS | Residential complexes



GWG Non-profit Housing Company | AT

Loogarten nursing home | CH
Wohnen am Koppelteich | DE



Property	GWG Gemeinnützige Wohnungsgesellschaft
Building type	Residential complexes
Location & Year	Linz (AT) 2013
Units	32,286 4KS cylinders

Special features of the project:

GWG is the largest, non-profit residential association in Upper Austria. According to the statement on the GWG website, „With around 19,000 flats throughout Linz, we offer a modern and secure home for around 40,000 Linzers“. More than 32,000 cylinders from EVVA prove that this is not just an empty promise.

Individual properties were equipped with the 3KSplus locking system, which today corresponds to the 4KS locking system.

Further successful projects: Holiday flat complex in St. Peter, DE | Hofbauergasse residential complex, AT | GWG Non-profit Housing Company, AT | Living at the paddock pond | BROT residential complex, AT | MFH Walz, AT | Reconstruction Braunschweig, DE | MFH Oil Mill, DE | Weidenhof Hamburg, DE | Yoo Munich, DE | Yoo Hamburg, DE | Gewofag, DE | Building Management Aschenbrenner, DE | Building Management Winkler, DE | Berger Kreuz Straße residential complex, DE | Dorpaterstraße residential complex, DE | Residential complex Emil Riedl Straße, DE | Residential complex Halfingerstraße, DE | Heltauer Straße residential complex, DE | Residential complex Illtistrasse, DE | Residential complex Pienzenauer Straße, DE | Rablstraße residential complex, DE | Stadibau residential complex, DE | Wohnbau GmbH, DE

» All references can be found on our website.

Managed living security

The management of several residential buildings in a single system. Distributed throughout the city. New residential buildings are built every year. Tenants come and go and new keys are urgently needed. Property managers must reconcile all this and much more on a daily basis. It is a good thing if they have a locking system that can handle it all.

Good when they have 4KS. Because with 4KS, highly complex locking systems including technician and administrator locks can be realised. Lost keys hardly pose a risk, as it is almost impossible to illegally copy a 4KS key.



One for all

One key fits all doors. The result: simple management on the one hand and a small, light set of keys on the other.

Master key system
 >> Page 36



4KS and stop

When the expensive mountain bike is stolen from the bike cellar, there's frustration and annoyance. Fortunately, this is not the case with 4KS. The high level of burglary protection makes it possible.

4KS Euro profile cylinder
 >> Page 48

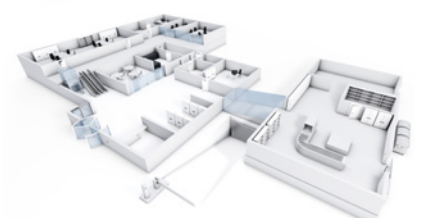


No matter where

Whether cylinders for garages, parking lot barriers, mailbox systems or lifts, the wide 4KS cylinder range has the right cylinder for any location.

4KS Cam lock
 >> Page 90

see the system overview
 >> from page 34



4KS | Private living



Private house | AT

Best practice

Property	Private
Building type	Residential
Place & Year	Vienna (AT) 2015
Units	12 4KS cylinders

Special features of the project:

A family in Vienna not only had the dream of owning a beautiful home, but also of securing it reliably. At the same time, they did not want to forego comfort and good design. In their search for a suitable locking system, the family came across 4KS and was not only thrilled by the fact that the system offers a reversible key and different finishes to match the design of the house, but also that they can now lock all access situations with just one key.

Individual properties were equipped with the 3KSplus locking system, which today corresponds to the 4KS locking system.

Further successful projects: Countless detached houses around the world rely on EVVA's reliable 4KS security.

» All references can be found on our website.

Making home secure

Your own home. Here, security is a central requirement and burglary protection a non-negotiable condition. It is not so much the loss of material things that is disconcerting, but rather the invasion of privacy that has a long-lasting effect.

4KS is not an inexpensive product, but it is effective. It offers excellent burglary protection with plug pulling, drilling and breakaway protection and a comprehensive range of cylinders, so that even the garden shed can be secured with a 4KS padlock, and all cylinders can be integrated into a master key system. This has the benefit that: One key locks everything.



Open sesame

The garage door opens with a single turn. The large 4KS cylinder range includes cam cylinders which make this possible.

4KS Cam lock
 >> Page 90



Show security card

Duplicate keys and cylinders are available from an authorised EVVA partner but only if you have the EVVA security card.

Security card
 >> Page 39

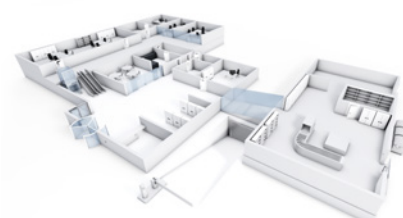


Completely secure

4KS is not only a convenient reversible key system, it is also ideal for the highest security requirements and the toughest of applications.

4KS Keys
 >> Page 40

see the system overview
 >> from page 34



4KS | the versatile range

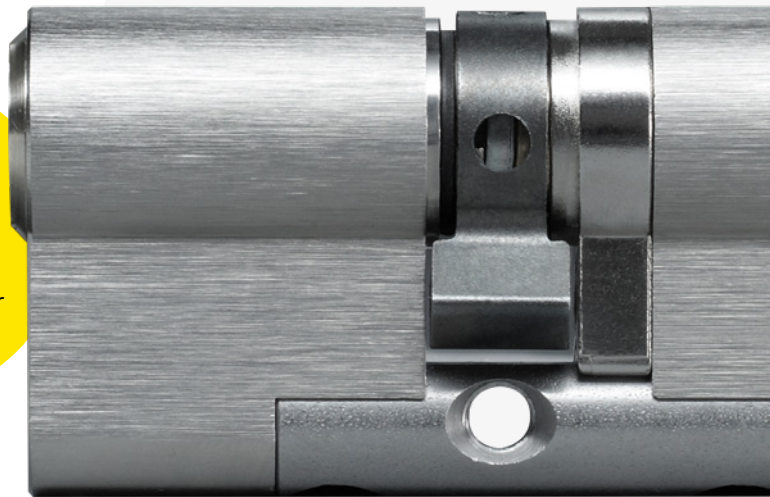
Page
84
Padlocks



« Solid protection of cabinets and cellar doors.

The all-rounder under cylinders - flexible, versatile and reliably secure. »

Page
48
Profile cylinder



Page
162
Switch & switching cylinder

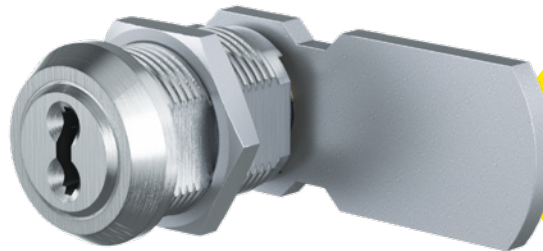
» Secure switching and handling is a simple child's play with these cylinders.

To make things run smoothly in the office, workshop and warehouse - numerous furniture cylinders, all of which can be integrated into a master key system. »



Page
138
Furniture cylinder

Whether for letterboxes or » technical distributor cabinets, these cylinders can also be integrated into master key systems

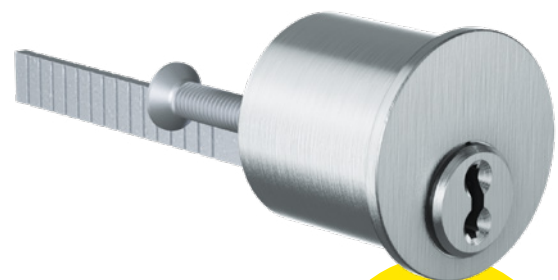


Page
90
Cam lock



Page
40
Keys

« A reversible key with features – ergonomic, durable and almost impossible to copy



Whether inside or outside, » these cylinders make e.g. rim locks even more secure

Page
112
Inside, rim & outside cylinder



Page
178
Insert cylinder

» Always in use and at the same time extremely secure, the insert cylinders for special tasks

System overview | Benefits



A solid investment

Later building extensions and conversions can be easily implemented because master key system reserves are taken into account.



Don't panic

The security of building users has the very highest priority. 4KS cylinders meet the requirements of all important standards.

Automatically secure

EMZY, the electronic motorised cylinder, keeps the entrance door open during office hours and then locks securely and automatically.



Outdoor security

The demands on the outer shell of buildings is steadily increasing. An individual character is usually requested with more transparency through glass and doors that open automatically to allow convenient access. In any case, security technology is expected to meet all requirements without getting in the way of the user or visitor.

The range covers a wide area of applications and can also be ideally combined with an electronic access solution - such as AirKey or Xesar from EVVA.



Connects distributed sites

With 4KS, you can integrate distributed locations in a single master key system. This saves time and effort.



Guaranteed faster

Must a security service carry out frequent checks? A 4KS key for multiple locations makes handling easier and ensures fast access.



Secure building shell

All accesses are optimally secured with the robust and durable 4KS cylinders. 4KS protects against numerous break-in methods.



Have a good trip

You can activate barriers or garage doors with the 4KS switch cylinder.

System overview | Benefits



The convenience of a reversible key

The robust 4KS reversible key ensures ease of use. The 4KS thumbturn cylinders offer an additional comfort factor.

Organisation and security

A clear locking authorisation concept and the right selection of types and options simplify processes and noticeably increase security.



Flexible use

The modular system allows locking components to be flexibly adapted to the access situation.



Key security

Only the holder of the security card is authorised to copy keys.

Indoor security

Security also plays a major role inside the building. Server rooms, storage locations for important documents or medicines or the management's office - all these areas must be secured separately.

At the same time, processes within buildings must also be efficient. And this must already be taken into account when planning a master key system. The goal: To each his own key, which only locks those areas that the owner is authorised to access.



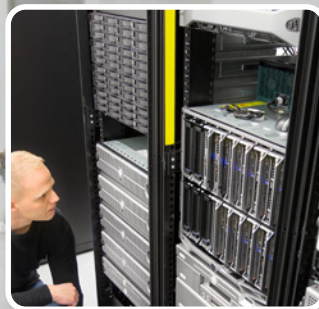
Controlled lifts

Security areas subdivided according to floors - with 4KS switch and switching cylinders.



Burglary and vandalism

The protection of valuables, devices and hazardous goods can be optimally integrated into the master key system.



Security zones

server rooms, research areas and warehouses. Automatic closure elements in sensitive areas.



next page

The 4KS range of cylinders fits familiar installation situations and many more.

System overview | 4KS in layout plan

Due to their features, numerous variants and options, 4KS cylinders can handle all access situations which a locking system may meet.

Thus, access to rooms and floors, access to display cabinets and showcases or the activation of barriers or other electronic systems can be clearly structured. This means even more comfort and more security.



Switching cylinder
operate control elements such as those in lift systems.
» from page 164



Double cylinder
are suitable for inside and outside doors and can be configured with a wide range of variants and options.
» Page 52, 60



Half cylinder
are suitable for barriers, key switches, lifts and numerous other situations.
» Pages 56, 64





EMZY
Automatic locking of sensitive areas
» Page 58.66



Cam lock
for mailbox systems and for secure storage in showcases and display cabinets.
» from Page 92



Switch cylinder
as machine switch or on control panels of electronic systems
» from page 170



Padlock
efficiently integrate external objects into the locking system
» from page 180

Furniture cylinder
ensure secure storage of important documents.
» from page 140



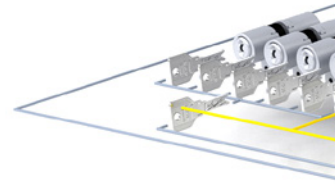
next page
Cylinder locks and access authorisations are used to create a tailor-made master key system.

System overview | Master key system & Structure

4KS Master key systems

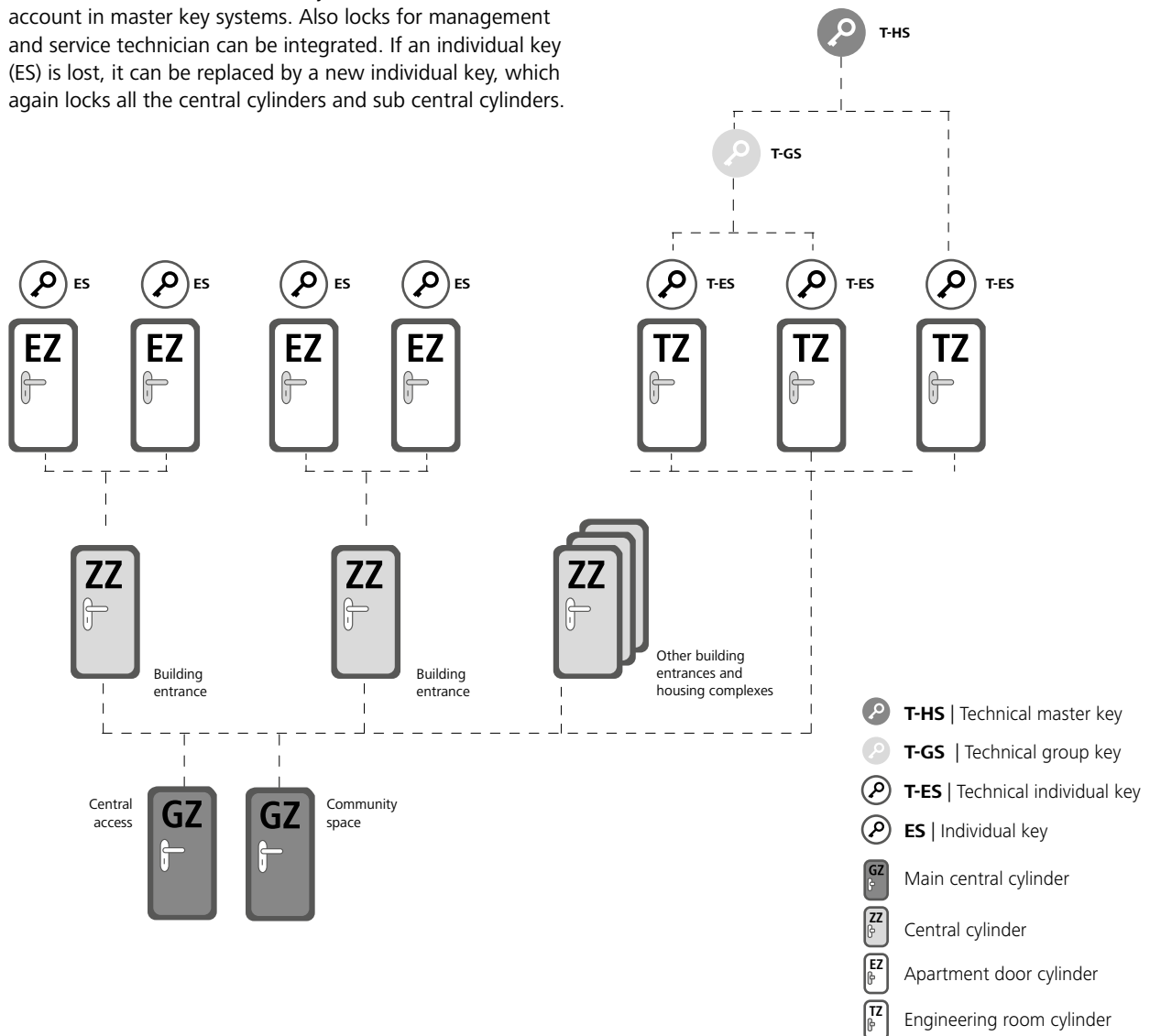
EVVA has been developing lock charts with its project partners for almost 100 years with a great deal of know-how and great success.

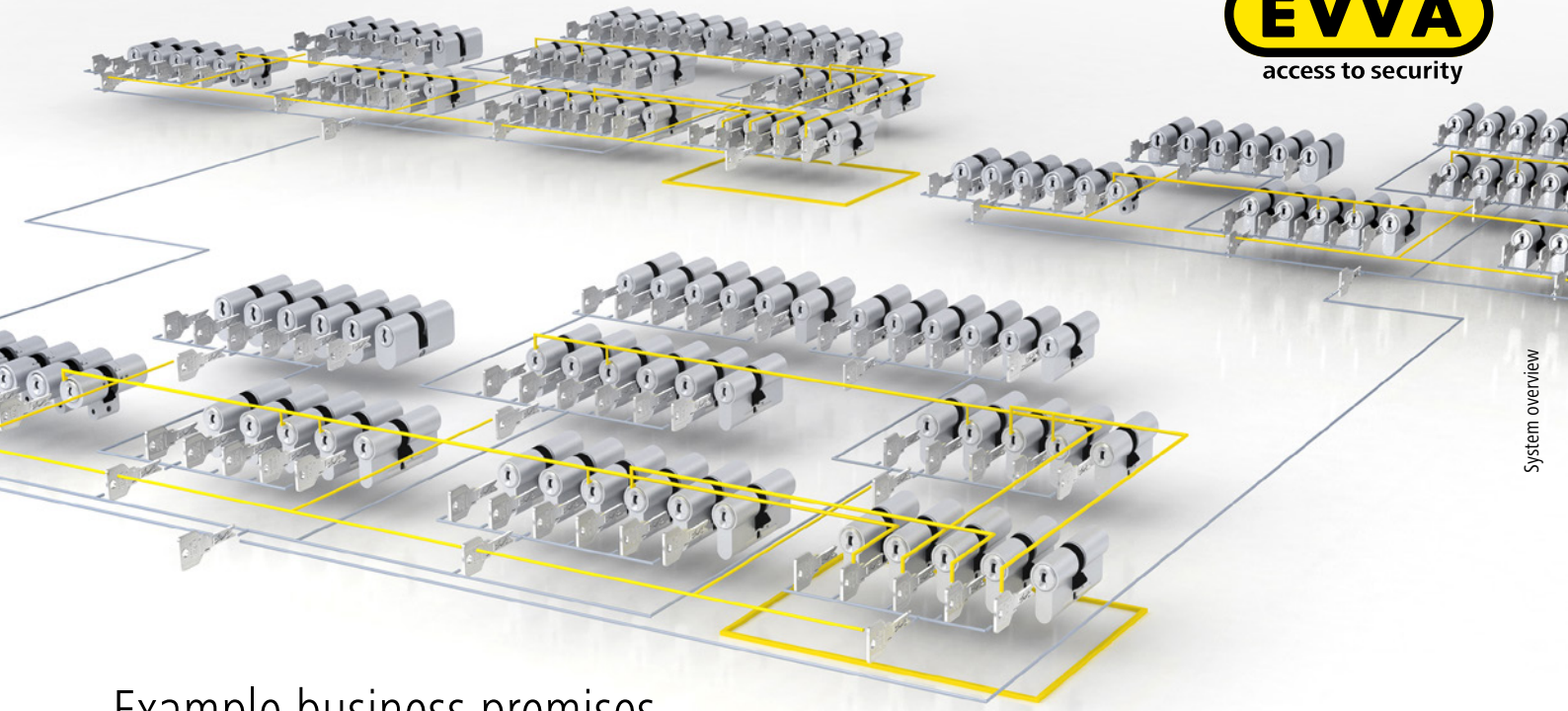
4KS is particularly suitable for highly complex locking system structures due to its extensive expansion capabilities. With coding features such as length profile, curve scanning and concealed scanning elements, exceptions in the locking hierarchy can also be taken into account.



Example of a residential complex

Future extensions for residential cylinders are taken into account in master key systems. Also locks for management and service technician can be integrated. If an individual key (ES) is lost, it can be replaced by a new individual key, which again locks all the central cylinders and sub central cylinders.

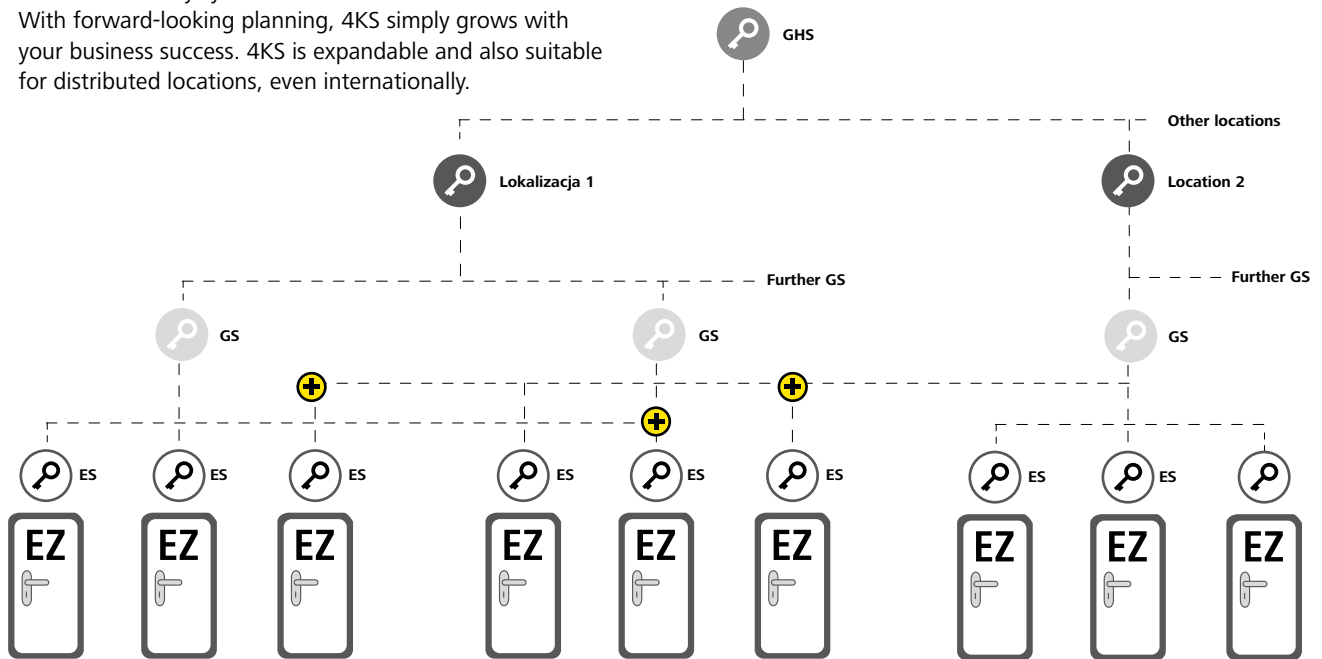










Example business premises

Grand master key system

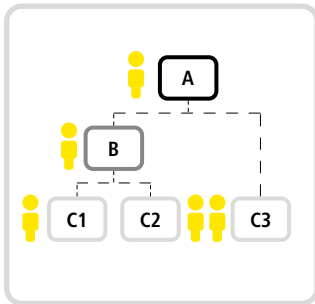
With forward-looking planning, 4KS simply grows with your business success. 4KS is expandable and also suitable for distributed locations, even internationally.



-  **GHS** | Grand master key
-  **HGS** | Sub master key
-  **GS** | Group key
-  **ES** | Individual key
-  **EZ** | Individual cylinder
-  **+** | Special authorisation

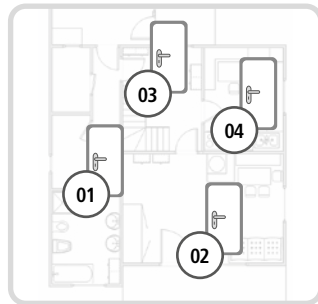
System overview | Processes

Master key system planning



User groups

Different groups are identified based on the organisational structure of the users of the building.



Rooms & Areas

These are identified for specific user groups or according to specific security requirements.

	A	B	C1	C2	C3
01	x	x	x	x	x
02	x	x	x	x	x
03	x	x	x	x	x
04	x	x	x	x	x
05	x	x	x	x	x
06	x	x	x	x	x

Lock chart

The user groups, spaces and areas are brought into a relationship - who is allowed to access which areas and who is not allowed access.



Changes to the master key system



Key lost

Lost keys pose a high security risk. The replacement of one or more cylinders may become necessary.



Extensions

If the use of a room changes or new rooms are added, master key systems can usually be extended without any problems thanks to combined reserves and good advance planning.



EVVA documentation

We document all changes in your EVVA master key system and can therefore work for you throughout the entire life cycle of the master key system.



Key management



Key handover

We recommend documenting the handover of keys to persons, e.g. using a handover form.



Management software

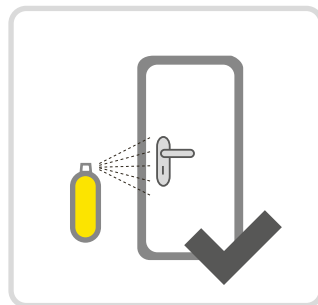
Organisations with frequent key handovers are advised to use suitable key management software.



Security card (SIKA)

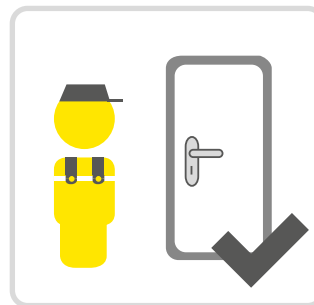
Only the owner of the security card is authorised to have new keys and cylinders made. The security card must always be kept in a safe place.

Maintenance of the system



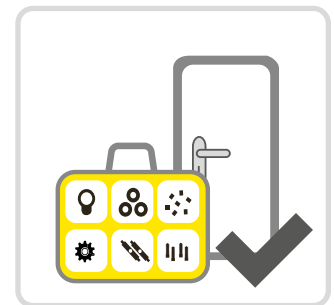
Low maintenance

EVVA products are largely maintenance-free. EVVA recommends the EVVA care spray for particularly heavily used products.



Verification

Regular inspection of the doors prevent damage to cylinder locks.

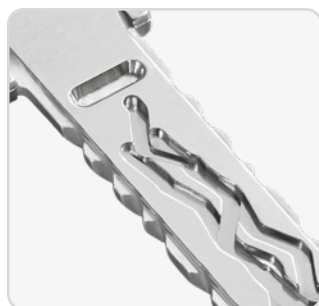


Adaptions

The EVVA cylinder assembly case contains a range of spare parts that permit quick adaptation of doors and locks.



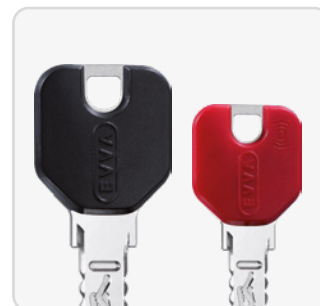
Keys



Extremely low wear
The springless technology makes 4KS low-wear and durable.



Smooth-action key
Convenient insertion – key turns easily and quietly in the cylinder.



Design / combi key
Easier to manage and use in combined master key systems.



Reversible keys
Regardless of the situation - the 4KS key is always easy to insert and turn.



Elongated key neck
For defenders.



Security card
Re-ordering from an authorised EVVA partner.

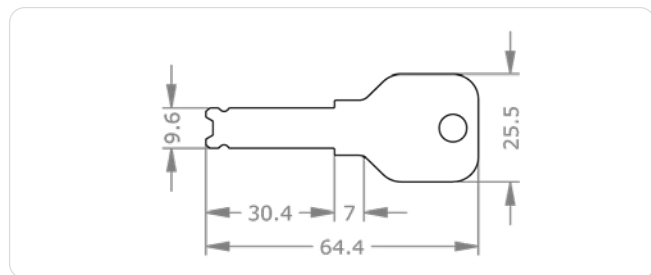
4KS Key | Mechanical & electronic

Standard



4KS Standard keys for master key systems and individual lockings. As a reversible key, it offers a great deal of convenience. The springless profile scanning makes this key particularly wear-resistant. With key number as standard.

Optional technical installation feature	LSH – Long key neck
Optional usage feature	F[...] – Colour dot - Colour TXT – Customer-specific text
Security features	Key made of an extremely durable nickel-silver alloy, asymmetrical reversible key



Ordering

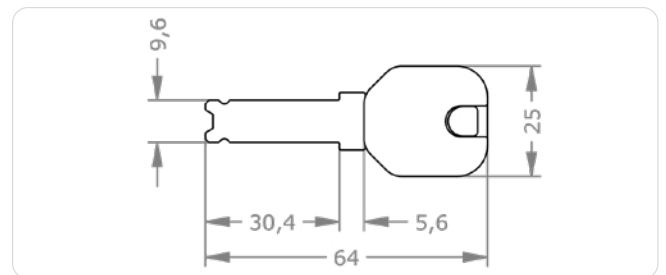
Product code	M.4KS.SL.[Option]
Example	4KS key, standard, with long key neck: M.4KS.SL.LSH

Design key bow



4KS Design keys in various colours make it easier to manage many keys through colour coding. With high-quality ergonomic plastic key bow. With key number as standard.

Colour	BL – Blue GE – Yellow GN – Green RT – Red SW – Black WS – White
Optional technical installation feature	LSH – Long key neck
Optional usage feature	TXT – Customer-specific text
Security features	Key made of special, durable nickel silver alloy Asymmetrical reversible key Robust plastic cap



Ordering

Product code	M.4KS.SL.SL-D.[Colour].[Option]
Example	4KS key, blue design key bow, with long key neck: M.4KS.SL.SL-D.BL.LSH

Xesar combi key



AirKey combi key

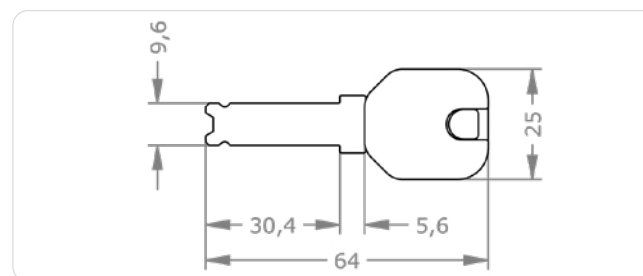
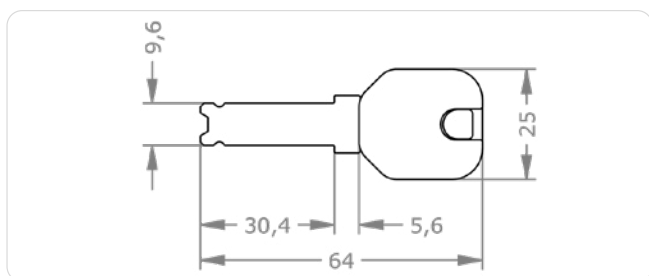


Xesar combi key for master key systems, individual lockings and integration into electronic Xesar systems. With high-quality ergonomic plastic key bow in various colours with integrated electronic chip.

AirKey combi keys for master key systems, for individual lockings and the integration in electronic AirKeyaccess systems. With high-quality ergonomic plastic key bow in various colours with integrated electronic chip.

Colour	BL – Blue RT – Red SW – Black
Chip	D04K – MIFARE DESFire EV1
Optional technical installation feature	LSH – Long key neck
Optional usage feature	TXT – Customer-specific text

Colour	BL – Blue RT – Red SW – Black
Chip	J80K – NXP J3A081 JCOP J80K+D08K – NXP J3D081 JCOP + Mifare Desfire
Optional technical installation feature	LSH – Long key neck
Optional usage feature	TXT – Customer-specific text



🛒 Ordering

Product code	M.4KS.SL.SL-X.[Colour].[Chip].[Option]
Example	Xesar combi key in the 4KS system, blue design key bow, chip D04K, with long key neck: M.4KS.SL.SL-X.BL.D04K.LSH

🛒 Ordering

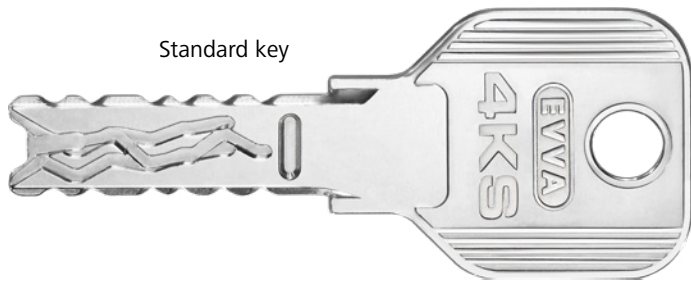
Product code	M.4KS.SL.SL-A.[Colour].[Chip].[Option]
Example	AirKey combi key in the 4KS system, blue design key bow, NXP J3D081 JCOP chip and MIFARE Desfire, with long key neck: M.4KS.SL.SL-A.BL.J80K+D08K.LSH

4KS Key | Versions

Product range
Locking system
Product category

M 4KS SL

Option



SL-A

Xesar combi key

SL-X



SW

BL*

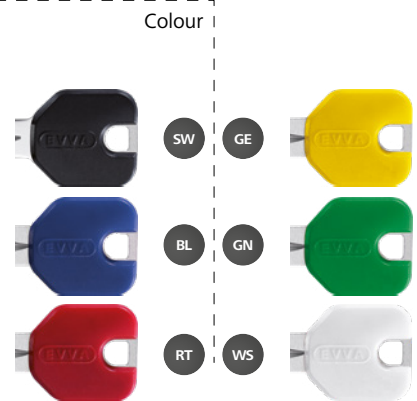
RT*

M 4KS SL

M 4KS SL SL-D



SL-D



SW

BL

RT

GE

GN

WS

* AirKey in preparation

Key with long key neck



Customer specific numbering



Colour dot



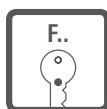
- FAB >> aubergine
- FBL >> blue
- FBR >> brown
- FDR >> dark red
- FGE >> yellow
- FGR >> green
- FRS >> pink
- FRT >> red
- FSW >> black
- FVI >> purple



Matching options
> see next page

4KS Key | Options & Accessories

Illustrations and ordering examples are shown using various systems.



F[...] – Colour dot - Colour

Colour dot on the key for visual identification of key functions, authorisations or local allocations.

Variants	FAB – Colour dot aubergine purple FBL – Colour dot blue FBR – Colour dot brown FDR – Colour dot dark red FGE – Colour dot yellow FGN – Colour dot green FRS – Colour dot pink FRT – Colour dot red FSW – Colour dot black FVI – Colour dot purple
Technical specifications	Colour dot in a recess on the key
Product code	FAB, FBL, FBR, FDR, FGE, FGN, FRS, FRT, FSW, FVI
Ordering example for option	M.[System].SL.FSW



FGE, 4KS



LSH – Long key neck

Key with long neck for use in special protective escutcheons with cylinder armoring.

Technical specifications	FPS standard key + 5.5 mm EPS standard key + 5.5 mm ICS standard key + 4.8 mm 4KS standard key + 7.5 mm design key + 11.5 mm combi key + 11.5 mm
Product code	LSH
Ordering example for option	M.[System].SL-D.LSH



4KS



Sample illustration SL-D, SL-A, SL-X



TXT – Customer-specific text

Numbering according to customer requirements in addition to system number and key/cylinder number.

Product code	TXT
Ordering example for option	M.[System].PZ.DZ-S.31/31.NI.TXT



Sample illustration

E.191



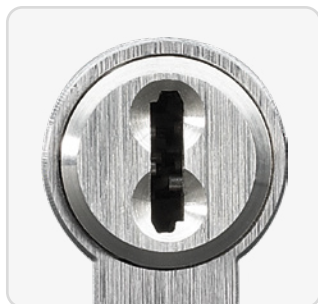
Profile cylinder

Keys

Profile cylinder

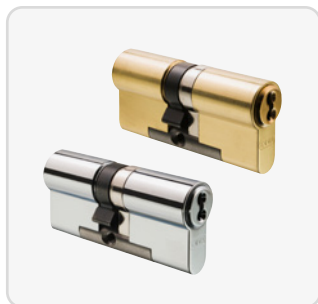
Profile cylinder | Benefits

Design



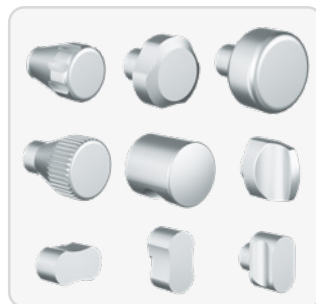
Visible quality

Technical excellence and the highest processing quality characterise all our cylinders.



Various finishes

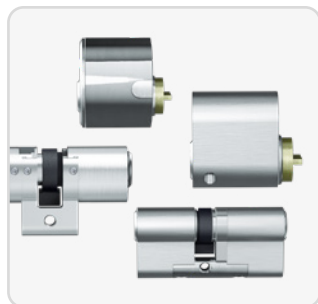
Thanks to its wide range of finishes, the cylinder can be easily matched to doors and escutcheons.



The perfect match

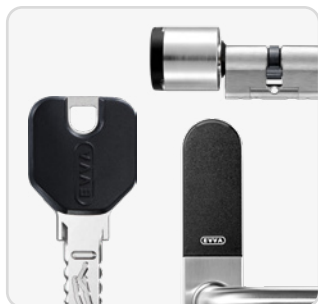
The thumbturn range with numerous design variants is high quality and adapted to various ergonomic requirements.

Function



Everything under control

EVVA's wide range of cylinders covers all relevant locking situations.



Ability to combine

Excellent compatibility with electronic components and locking systems from EVVA.



Numerous functions

EVVA offers the matching options depending on the use case and technical installation situation.

Additional benefits

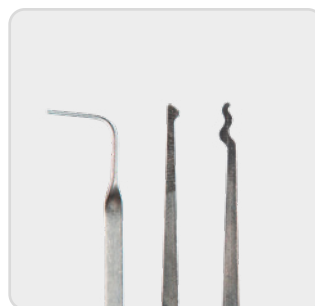
- Security options such as international security certifications

Technology



Drilling protection

In the 4KS cylinder, the hard metal side control bar, the plug drilling protection and the body drilling protection provide effective protection against drilling.



Picking scanning protection

It is not discernible which of the locking pins is acting in the cylinder. This makes it almost impossible to scan a milling pattern in order to copy a key.



Pulling protection

The hard metal side control bar, the plug drilling protection elements and the modular design (SY-MO) provide a high level of protection against pulling and snapping-off attempts.

Assembly



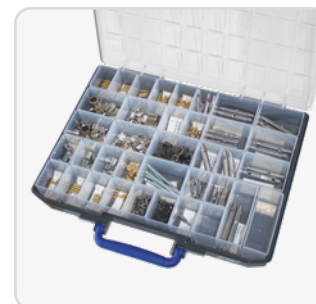
Simple installation

The cylinder is fixed in the lock with just a few simple steps.



Modular design

4KS cylinders are manufactured in modular design (SY-MO) and can thus be adapted to the door situation on site.

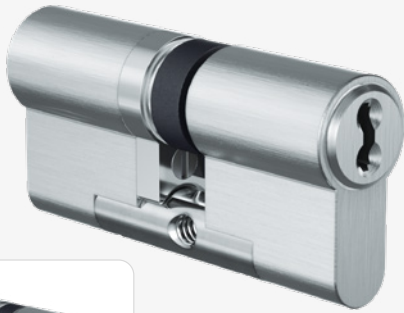


Assembly kit

The SY-MO assembly case contains all parts for adapting modular cylinders.

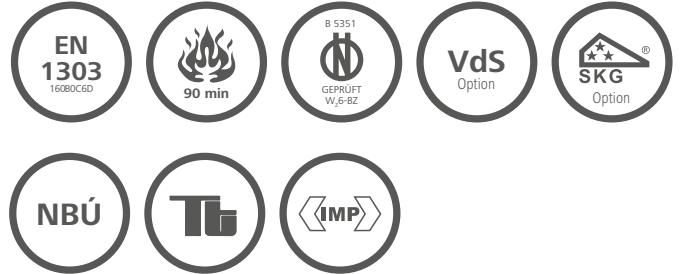
4KS Euro profile | DZ-S double cylinder

View from the outside



View from the inside

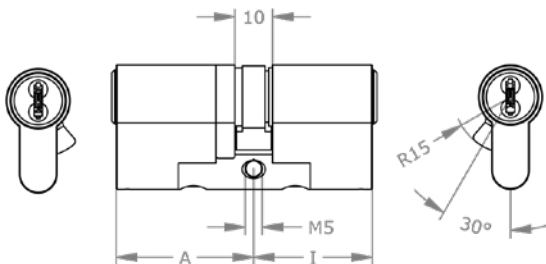
Standards and guidelines



Product description

The 4KS Euro profile double cylinder with modular design (SY-MO) is suitable for use in external and internal doors. The cylinder features external

key override. Examples of applications are doors to residential properties or offices, connecting doors, metal frame doors and security doors.



Assembly tip

When installing in security-relevant doors, ensure a protrusion of max. 3 mm!

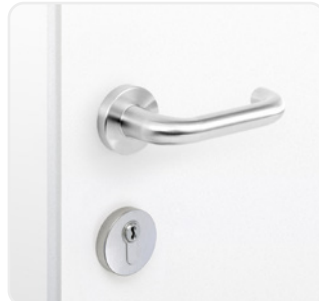
» Page 73

Application examples



Metal frame doors

The cylinder is suitable for installation in metal frame doors and emergency exit doors as well as office building doors.



Full-leaf doors

The cylinder is suitable for installation in full-leaf doors, office and house entrance doors as well as internal office doors.



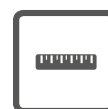
External key override cylinder

This option makes it possible to operate the cylinder with a key from the outside even if a key is inserted on the inside.

Technical information

Cylinder length on the outside A in mm	27 31 36 41 46 +5 ... A + I ≥ 62 mm
Cylinder length on the inside I in mm	27 31 36 41 46 +5 ... A + I ≥ 62 mm
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional security features	AS-A – Anti-Snap outer side FZG – Free wheel function for gear locks KZ-[...] – Increased plug pulling and drilling protection SKG3-[...] – SKG *** certified VDS – VdS certified
Optional technical installation feature	BIF – Double cam Biffar® BL-[...] – Blind cylinder FL1 – Free wheel function KS-[...] – Contact pin SEW – Sea water protection SW-[...] – Dust and weather cover Z10 – Cogwheel cam Z10 Z18 – Cogwheel cam Z18 ZVS-[...] – Reduced cylinder body
Optional usage feature	BSZ – External key override TXT – Customer-specific text
Accessories	Spray FinLube Cylinder fixing screw
Security features	Locking authorisation request in at least 18 query positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling Durable stainless steel connecting rod to prevent twisting and snapping-off
Standards and guidelines	EN 1303:2015 160B0C6D ÖNORM B5351: WZ6-BZ 90 minutes ČSN EN 1627 - Security class 4 Option VdS BZ(+) Option SKG***
Technical installation situation	for mortise locks according to DIN, ÖNORM and surface mounted locks suitable for the installation of Euro profile cylinder locks Cam width 9.3 mm
Included components	Cylinder with fixing screw M5

Versions

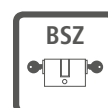


Cylinder length



Finish

Important options



External key override



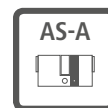
Protection against dust and weather influence



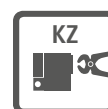
tested as per VdS guidelines



tested as per SKG guidelines



Anti-snap SY-MO outside



increased pulling protection/ drilling protection



Cogwheel cam

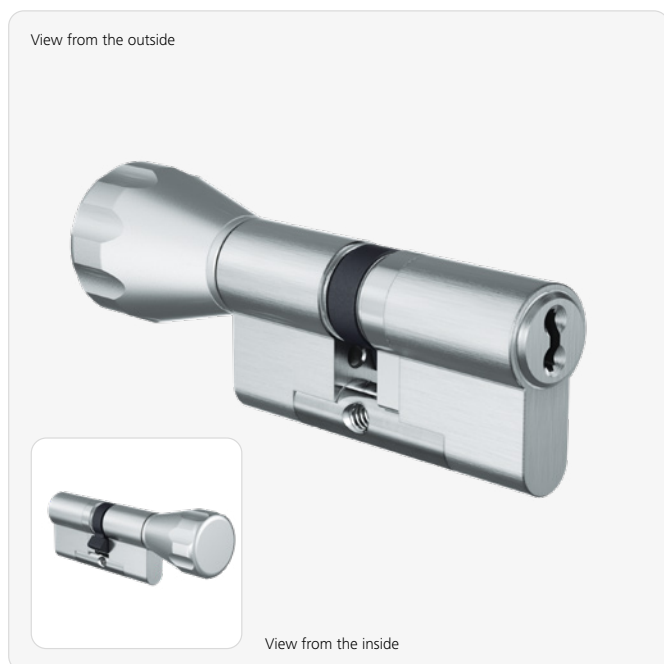
Versions see **» Page 72**

Options see **» Page 76**

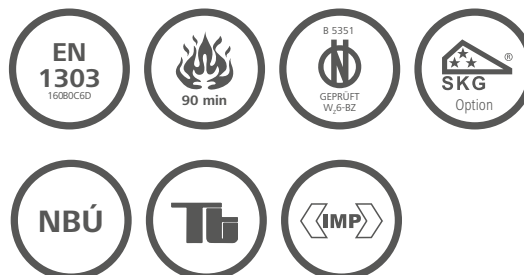
Ordering

Product code	M.4KS.PZ.DZ-S.[Outside cylinder length A in mm/Inside cylinder length I in mm]. [Finish].[Option]
Example	4KS Double cylinder with Euro profile, outside 31 mm, inside 36 mm, nickel finish, with BSZ option for external key override: M.4KS.PZ.DZ-S.31/36.NI.BSZ

4KS Euro profile | Thumbturn cylinder KZ-S



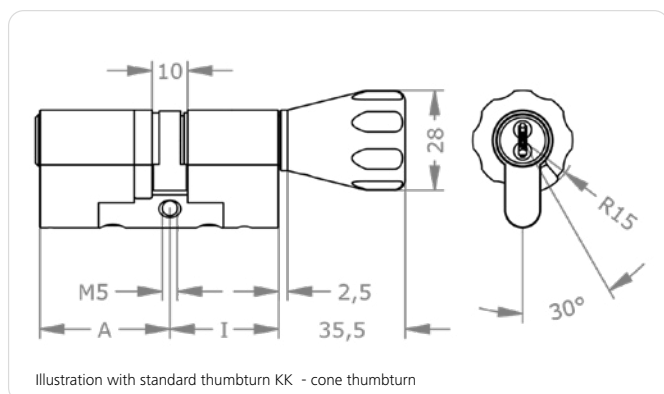
Standards and guidelines



Product description

The 4KS Euro profile thumbturn cylinder in modular design (SY-MO) is suitable for use in external and internal doors. The cylinder is locked on the outside with an authorised key and on the

inside with a thumbturn. Examples of applications are doors to residential properties or offices, connecting doors, metal frame doors and security doors.



Assembly tip

When installing in security-relevant doors, ensure a protrusion of max. 3 mm!

» Page 73

Application examples



Apartment entrance

The cylinder is ideally suited for use in apartment doors and can be conveniently locked and unlocked from the inside without a key.



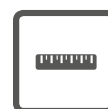
Glass door

The cylinder is ideally suited for use in glass doors and allows the cylinder to be locked and unlocked from the inside without a key.

Technical information

Cylinder length on the outside A in mm	27 31 36 41 46 +5 ... Gesamtlänge ≥ 57 mm
Cylinder length on the inside l in mm	K27 K31 K36 K41 K46 +5 ... Gesamtlänge ≥ 57 mm
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Thumbturn shape	OKA – Oval thumbturn aluminium asym. AK – Allround thumbturn ATA – Adaptable Thumbturn Axis CK – D-line® thumbturn FK – Flat thumbturn GK – Recessed grip thumbturn KK – Cone thumbturn MK – Metal knurl thumbturn NOK – Without thumbturn RK – Round thumbturn X1K – Oval thumbturn
Thumbturn finish	K-CP – Polished Chrome K-CR – Chrome K-EF2 – Aluminium F2 K-EF3 – Aluminium F3 K-MP – Polished brass K-MS – Brass K-NI – Nickel K-NP – Polished nickel K-PB – Patinated brown K-PS – Patinated black
Optional security features	CLA – Classroom function KZ-A – Increased plug pulling and drilling protection outside SOS – SOS function SKG3-A – SKG *** certified outside
Optional technical installation feature	BIF – Double cam Biffar® KS-A – Contact pin outside SEW – Sea water protection SW-A – Dust and weather protection outside Z10 – Cogwheel cam Z10 Z18 – Cogwheel cam Z18 ZVS-[...] – Reduced cylinder body
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube Cylinder fixing screw
Security features	Locking authorisation request in at least 18 query positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling Durable stainless steel connecting rod to prevent twisting and snapping-off
Standards and guidelines	EN 1303:2015 160B0C6D ÖNORM B5351: WZ6-BZ 90 Minuten ČSN EN 1627 - Security class 4 Option SKG***
Technical installation situation	for mortise locks according to DIN, ÖNORM and surface mounted locks suitable for the installation of Euro profile cylinder locks Cam width 9.3 mm
Included components	Cylinder with thumbturn and fixing screw M5

Versions

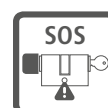


Cylinder length



Finish

Important options



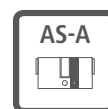
SOS function



Protection against dust and weather influence



tested as per SKG guidelines



Anti-snap SY-MO outside



Cogwheel cam

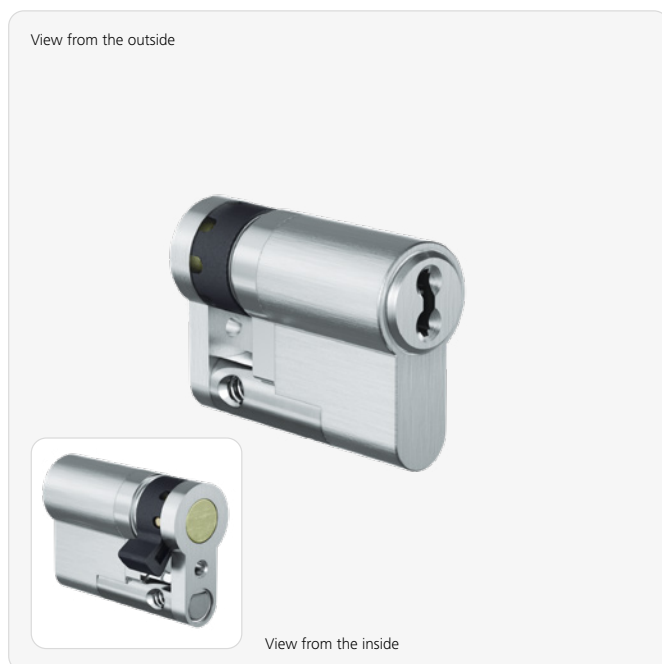
Versions see [» Page 74](#)

Options see [» Page 76](#)

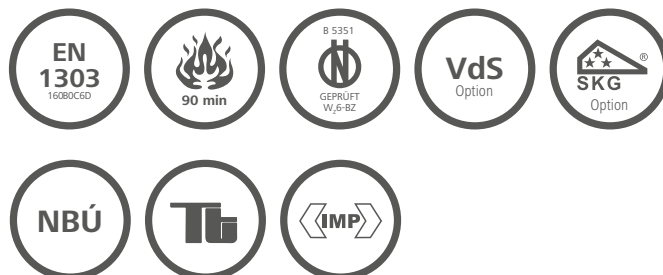
Ordering

Product code	M.4KS.PZ.KZ-S.[Outside cylinder length A in mm/Inside cylinder length l in mm]. [Finish].[Thumbturn shape].[Thumbturn finish]. [Option]
Example	4KS Thumbturn cylinder in Euro profile, outside 31 mm, inside 36 mm, nickel plated finish, with nickel KK thumbturn and optional priority function: M.4KS.PZ.KZ-S.31/K36.NI.KK.K-NI.SOS

4KS Euro profile | Half cylinder HZ-S



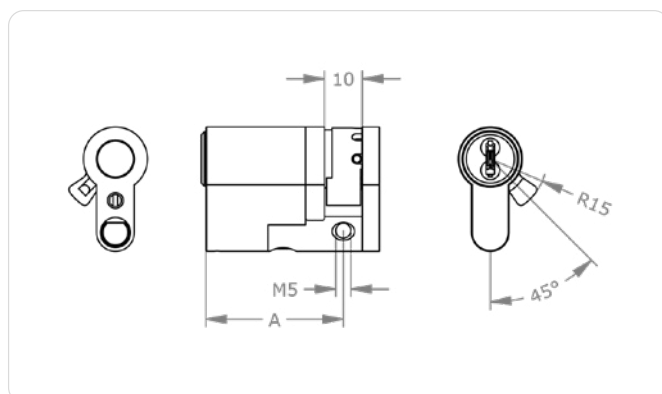
Standards and guidelines



Product description

The 4KS Euro profile half cylinder in modular design (SY-MO) with 8-fold adjustable cogwheel cam is suitable for use in switching devices and in special technical doors. The

cylinder can be locked from one side using an authorised key. Application examples are key switches for garage doors, roller doors and activation devices.



Assembly tip

When installing in security-relevant doors, ensure a protrusion of max. 3 mm!

» Page 73

Application examples



Always ready

The cylinder is suitable for use in tubular safes to store a fire service key.



Switch and rule

The cylinder is suitable for installation in switches for control of barrier systems.



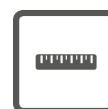
Open sesame

The cylinder is suitable for use in garage doors to lock the garage.

Technical information

Cylinder length on the outside A in mm	27 31 36 41 46 +5 ...
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional security features	FZG – Free wheel function for gear locks KZ-A – Increased pull and drilling protection outside SKG3-A – SKG *** certified outside VDS – VdS certified
Optional technical installation feature	2GW[...] – Double rear fixing for HZ BIF – Double cam Biffar® FL1 – Free wheel function KS-A – Contact pin outside LW[...] – Free travel SEW – Sea water protection SW-A – Dust and weather protection outside Z10 – Cogwheel cam Z10 Z18 – Cogwheel cam Z18 ZVS-A – Reduced cylinder body outside
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube Cylinder fixing screw
Security features	Locking authorisation request in at least 18 query positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling Durable stainless steel connecting rod to prevent twisting and snapping-off
Standards and guidelines	EN 1303:2015 160B0C6D ÖNORM B5351: WZ6-BZ 90 minutes ČSN EN 1627 - Security class 4 Option VdS BZ(+) Option SKG***
Technical installation situation	for mortise locks according to DIN, ÖNORM, surface mounted locks and other devices suitable for the installation of locking cylinders in the Euro profile locking cam width 9.3 mm locking cam in 8 positions, adjustable from a total length of 31 mm
Included components	Cylinder with fixing screw M5

Versions

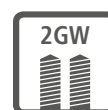


Cylinder length



Finish

Important options



2 threaded holes



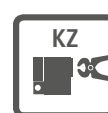
Protection against dust and weather influence



tested as per VdS guidelines



tested as per SKG guidelines



increased pulling protection/
drilling protection



Cogwheel cam

Versions see [» Page 72](#)

Options see [» Page 76](#)

Ordering

Product code	M.4KS.PZ.HZ-S.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS half cylinder in Euro profile, 31 mm, nickel plated finish, with M4 thread option: M.4KS.PZ.HZ-S.31.NI.2GW4

4KS Euro profile SY-MO | EMZY thumburn cylinder



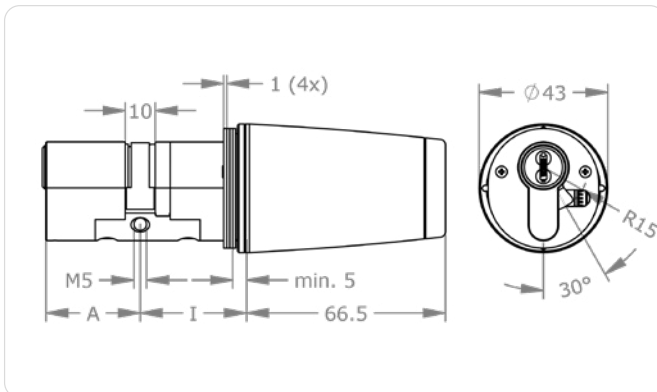
Standards and guidelines



Product description

The EMZY motorised cylinder locks doors automatically. The I/O box enables control via third-party systems. The cylinder is controlled either via a wall reader, a code keypad or directly with the integrated push-button or locked/

unlocked on the opposite side with an authorised key. Examples of applications are entrance doors, doors to sensitive areas or doors that must be open or closed at certain time intervals.



Application examples



Server room

Sensitive areas are reliably secured by the automatic locking element.



Delivery entrance

With EMZY on the door, the supplier entrance can also be opened remotely.



Shared office

During office hours EMZY will keep the main entrance open. Afterwards, it locks automatically.



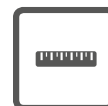
Medical practice

During surgery hours, the EMZY opens the entrance door and then locks it again automatically.

Technical information

System	EMZY/4KS
Cylinder length on the outside A in mm	31 36 41 + 5 mm
Cylinder length on the inside l in mm	31 36 41 + 5 mm
Finish	[NI] Nickel [NP] Polished Nickel [MP] Polished Brass [PS] Patinated Black [PB] Patinated Brown CR – Chrome
Thumbturn shape	EBT - EMZY Bluetooth
Thumbturn finish	K-NI – Nickel K-NP – Polished Nickel K-MP - Polished Brass K-PB - Patinated Brown K-PS - Patinated Black K-CR - Chrome
cam	SEP – Euro profile SRP – Round profile BIF - Double cam Biffar® Z10 - Cogwheel Z10 Z18 Cogwheel Z18
Security feature options	BSZ - external key override SOS - SOS function
Button colour	SW – black WS – white
Additional certificate	SKG - certified according to SKG***
Accessories	Cable transition open Bolt contact, solid version Small magnetic reed contact Connection cable 10 m Terminal box Desktop power supply unit DIN rail power supply Timer Pin disassembly tool Bayonet disassembly tool
Compatible locks	Single-turn and multi-point locks Mortise locks in accordance with DIN, ÖNORM
Security features	Encrypted data transmission AES encryption
Standards and guidelines	CE certified IP54 protection rating EN1634-2
Technical installation situation	Hardware-independent with minimum width of 40 mm Solid leaf or tubular frame doors Interior thumbturn Backset ≥ 35 mm with standard-compliant door installation according to ÖNORM B3850, DIN 1810
Power supply	Power supply unit 24 VDC, 60W Distance EMZY to power supply unit max. 20 m Connection with terminal box
Operating conditions	Ambient temperature –20°C to +70°C Humidity < 90 %, non-condensing IP 54 protection rating
Interfaces	Bluetooth 5.0 (BLE) RS485 Door contact Bolt contact Door button Operating mode switch
Signals	RGB LEDs for visual indication of locking/unlocking process, locking status, error status
Included components	EMZY motorised thumbturn cylinder Profile base disc 4 spacer discs Assembly instructions Important information

Versions

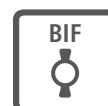


Cylinder length



Finish

Important options



Double cam Biffar®



Cogwheel cam

Ordering

Produktcode	Siehe Preisliste Elektronische Schließsysteme
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4KS Round profile | Double cylinder RDZ-S



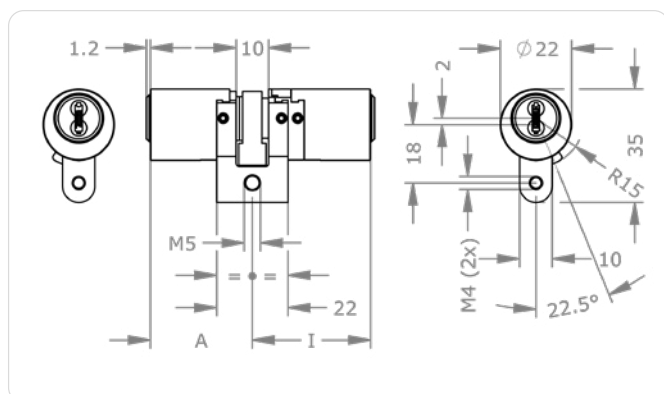
Standards and guidelines



Product description

The 4KS Euro profile double cylinder in modular design (SY-MO) is suitable for use in external and internal doors. The cylinder can be locked on both sides using an authorised

key. Potential applications are doors to residential properties or offices, connecting doors, metal frame doors and security doors.



Assembly tip

When installing in security-relevant doors, ensure a protrusion of max. 3 mm!

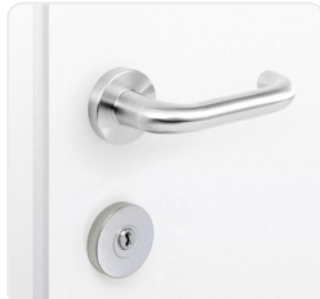
» Page 73

Application examples



Metal frame doors

The cylinder is suitable for installation in tubular frame doors such as office building entrances and escape route section doors.



Full-leaf doors

The cylinder is suitable for installation in full-leaf doors, office and house entrance doors as well as internal office doors.



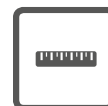
External key override cylinder

This option makes it possible to operate the cylinder with a key from the outside even if a key is inserted on the inside.

Technical information

Cylinder length on the outside A in mm	31 36 41 46 +5 ... Gesamtlänge ≥ 62 mm
Cylinder length on the inside I in mm	31 36 41 46 +5 ... Gesamtlänge ≥ 62 mm
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional security features	FZG – Free wheel function for gear locks
Optional technical installation feature	BL-[...] – Blind cylinder KS-[...] – Contact pin SEW – Sea water protection SW-[...] – Dust and weather cover Z10 – Cogwheel cam Z10 Z18 – Cogwheel cam Z18
Optional usage feature	BSZ – External key override TXT – Customer-specific text
Accessories	Spray FinLube Cylinder fixing screw
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Standards and guidelines	90 minutes
Technical installation situation	For mortise locks and surface mounted locks suitable for the installation of round profile cylinder locks Cam width 8.5 mm
Included components	Cylinder with fixing screw M5

Versions

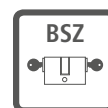


Cylinder length



Finish

Important options



External key override



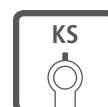
Free-wheel function for gear locks



Protection against dust and weather influence



Blind cylinder



Contact pin



Cogwheel cam

Versions see [» Page 72](#)

Options see [» Page 76](#)

Ordering

Product code	M.4KS.PZ.RDZ-S.[Outside cylinder length A in mm/Inside cylinder length I in mm]. [Finish].[Option]
Example	4KS double cylinder with round profile, outside 31 mm, inside 36 mm, nickel plated finish, with option BSZ lockable both sides: M.4KS.PZ.RDZ-S.31/36.NI.BSZ

4KS Round profile | Thumbturn cylinder RKZ-S



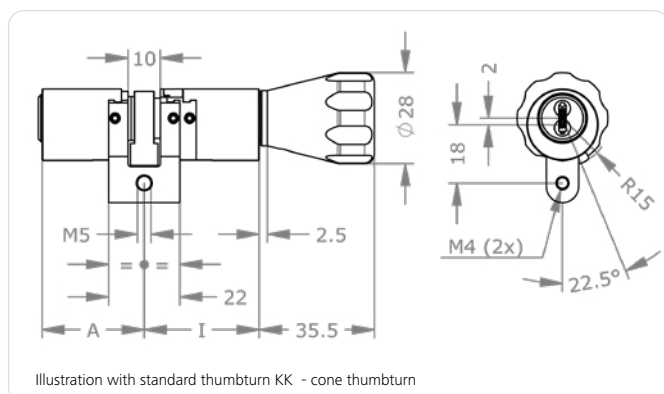
Standards and guidelines



Product description

The 4KS Euro profile thumbturn cylinder in modular design (SY-MO) is suitable for use in external and internal doors. The cylinder is locked on the outside with an authorised key and on the

inside with a thumbturn. Examples of applications are doors to residential properties or offices, connecting doors, metal frame doors and security doors.



Assembly tip

When installing in security-relevant doors, ensure a protrusion of max. 3 mm!

» Page 75

Application examples



Metal frame doors

The cylinder is suitable for installation in tubular frame doors such as office building entrances and escape route section doors.



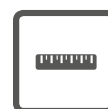
Full-leaf doors

The cylinder is suitable for installation in full-leaf doors, office and house entrance doors as well as internal office doors.

Technical information

Cylinder length on the outside A in mm	31 36 41 46 +5 ...
Cylinder length on the inside l in mm	K31 K36 K41 K46 +5 ...
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Thumbturn shape	OKA – Oval thumbturn aluminium asym. AK – Allround thumbturn ATA – Adaptable Thumbturn Axis CK – D-line® thumbturn FK – Flat thumbturn GK – Recessed grip thumbturn KK – Cone thumbturn MK – Metal knurl thumbturn NOK – Without thumbturn RK – Round thumbturn
Thumbturn finish	K-CP – Polished Chrome K-CR – Chrome K-EF2 – Aluminium F2 K-EF3 – Aluminium F3 K-MP – Polished brass K-MS – Brass K-NI – Nickel K-NP – Polished nickel K-PB – Patinated brown K-PS – Patinated black
Optional security features	SOS – SOS function
Optional technical installation feature	BL-A – Blind outside KS-A – Contact pin outside SEW – Sea water protection SW-A – Dust and weather protection outside Z10 – Cogwheel cam Z10 Z18 – Cogwheel cam Z18
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube Cylinder fixing screw
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Standards and guidelines	90 minutes
Technical installation situation	For mortise locks and surface mounted locks suitable for the installation of round profile cylinder locks Cam width 8.5 mm
Included components	Cylinder with thumbturn and fixing screw M5

Versions

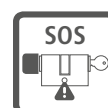


Cylinder length



Finish

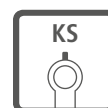
Important options



SOS function



Protection against dust and weather influence



Contact pin



Cogwheel cam

Versions see **» Page 74**

Options see **» Page 76**

Ordering

Product code	M.4KS.PZ.RKZ-S.[Outside cylinder length A in mm/Inside cylinder length l in mm]. [Finish].[Thumbturn shape].[Thumbturn finish]. [Option]
Example	4KS round profile thumbturn cylinder, outside 31 mm, inside 36 mm, nickel plated finish, with KK thumbturn and optional priority function: M.4KS.PZ.RKZ-S.31/K36.NI.KK.K-NI.SOS

4KS Round profile | Half cylinder RHZ-S



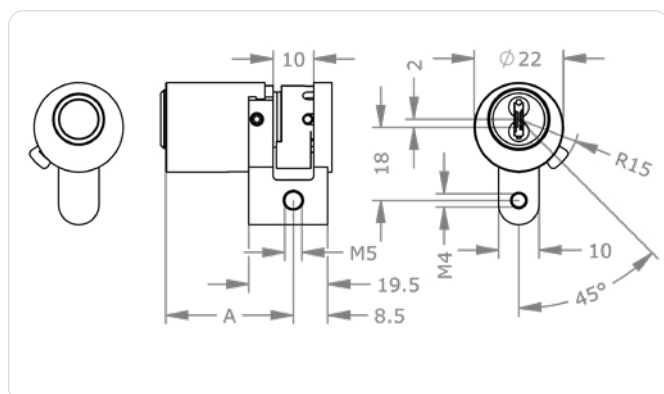
Standards and guidelines



Product description

The 4KS round profile half cylinder in modular design is suitable for use in switch devices and in special technical

locked from one side using an authorised key. Examples of applications are key switches for garage and roller doors as well as activation devices.



Assembly tip

When installing in security-relevant doors, ensure a protrusion of max. 3 mm!

» Page 73

Application examples



Tubular safes

The cylinder is suitable for use in tubular safes to store a fire service key.



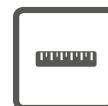
Switch

The cylinder is suitable for installation in switches for control of barrier systems.

Technical information

Cylinder length on the outside A in mm	31 36 41 46 +5 ...
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional security features	FZG – Free wheel function for gear locks
Optional technical installation feature	BL-A – Blind outside KS-A – Contact pin outside SEW – Sea water protection SW-A – Dust and weather protection outside Z10 – Cogwheel cam Z10 Z18 – Cogwheel cam Z18
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube Cylinder fixing screw
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Standards and guidelines	90 minutes
Technical installation situation	For mortise locks, surface mounted locks and other devices which are suitable for the installation of round profile cylinder locks Cam width 8.5 mm Cam adjustable to 8 positions
Included components	Cylinder with fixing screw M5

Versions

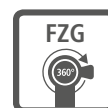


Cylinder length



Finish

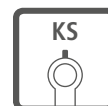
Important options



Free-wheel function for gear locks



Protection against dust and weather influence



Contact pin



Cogwheel cam

Versions see [» Page 72](#)

Options see [» Page 76](#)

Ordering

Product code	M.4KS.PZ.RHZ-S.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS half cylinder in round profile, length 31 mm, nickel plated finish, with M4 thread option: M.4KS.PZ.RHZ-S.31.NI.2GW4

4KS Round profile SY-MO | EMZY thumburn cylinder



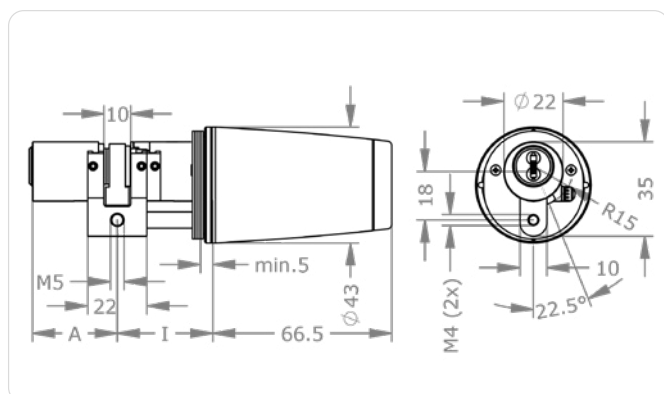
Standards and guidelines



Product description

The EMZY motorised cylinder locks doors automatically. The I/O box enables control via third-party systems. The cylinder is operated by a wall reader, a code keypad or directly with the integrated push button. On the opposite

side, it is locked or released with an authorised key. Examples of applications are entrance doors, doors to sensitive areas or doors that must be open or closed at certain time intervals.



Application examples



Server room

Sensitive areas are reliably secured by the automatic locking element.



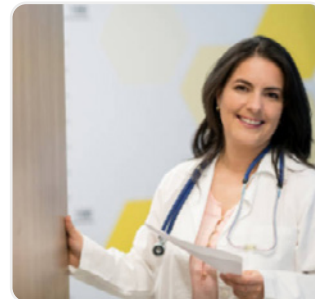
Suppliers' entrance

An EMZY at the supplier entrance can be remotely actuated via a push-button.



Shared office

During office hours EMZY will keep the main entrance open. Afterwards, it locks automatically.



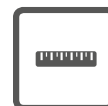
Medical practice

During surgery hours, the EMZY opens the entrance door and then locks it again automatically.

Technical information

System	EMZY/4KS
Cylinder length on the outside A in mm	31 36 41 + 5 mm
Cylinder length on the inside I in mm	31 36 41 + 5 mm
Finish	[NI] Nickel [NP] Polished Nickel [MP] Polished Brass [PS] Patinated Black [PB] Patinated Brown CR – Chrome
Thumbturn shape	EBT - EMZY Bluetooth
Thumbturn finish	K-NI – Nickel K-NP – Polished Nickel K-MP - Polished Brass K-PB - Patinated Brown K-PS - Patinated Black K-CR - Chrome
cam	SEP – Euro profile SRP – Round profile BIF - Double cam Biffar® Z10 - Cogwheel Z10 Z18 Cogwheel Z18
Security feature options	BSZ - external key override SOS - SOS function
Button colour	SW – black WS – white
Additional certificate	SKG - certified according to SKG***
Accessories	Cable transition open Bolt contact, solid version Small magnetic reed contact Connection cable 10 m Terminal box Desktop power supply unit DIN rail power supply Timer Pin disassembly tool Bayonet disassembly tool
Compatible locks	Single-turn and multi-turn locks Mortise locks and surface mounted locks suitable for installing round profile cylinders
Security features	Encrypted data transmission AES encryption
Standards and guidelines	CE certified IP54 protection rating EN1634-2
Technical installation situation	Hardware-independent with minimum width of 40 mm Solid leaf or tubular frame doors Interior thumbturn Backset ≥ 35 mm with standard-compliant door installation according to ÖNORM B3850, DIN 1810
Power supply	Power supply unit 24 VDC, 60W Distance EMZY to power supply unit max. 20 m Connection with terminal box
Operating conditions	Ambient temperature –20°C to +70°C Humidity < 90 %, non-condensing IP 54 protection rating
Interfaces	Bluetooth 5.0 (BLE) RS485 Door contact Bolt contact Door button Operating mode switch
Signals	RGB LEDs for visual indication of locking/unlocking process, locking status, error status
Included components	EMZY motorised thumbturn cylinder Profile base disc 4 spacer discs Assembly instructions Important information

Versions

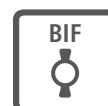


Cylinder length



Finish

Important options



Double cam Biffar®



Cogwheel cam

Ordering

Produktcode	Siehe Preisliste Elektronische Schließsysteme
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4KS Scandinavian oval profile | SKA outside cylinder



Standards and guidelines

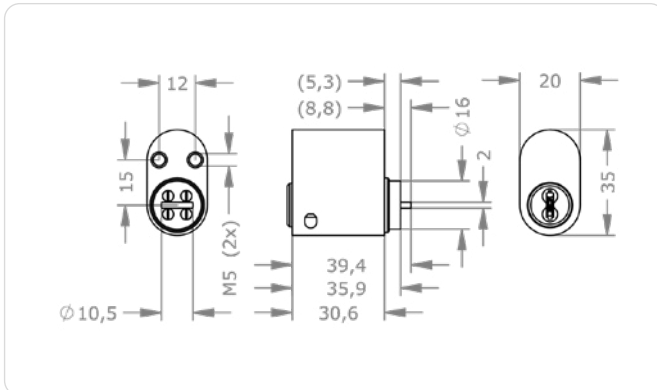


Product description

The 4KS Scandinavian outside cylinder is suitable for use in outside and inside doors. The cylinder can be locked from one side using an authorised key. It is suitable for use

with the Scandinavian oval inside cylinder. Examples of applications are house, office, connecting doors, apartment entrance, tubular frame and security doors.

Technical information



Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Standards and guidelines	EN 1303:2015 160B0C6D SS 3522 Category 3 ¹
Technical installation situation	For mortise locks, configured for Scandinavian cylinders Cylinder for a higher security with higher security category, see outside and inside cylinder AZ37.SEC
Included components	Cylinder lock without screws

Application examples



Outside door, outer side

The cylinder is suitable for use on the outside of external doors featuring Scandinavian locks.



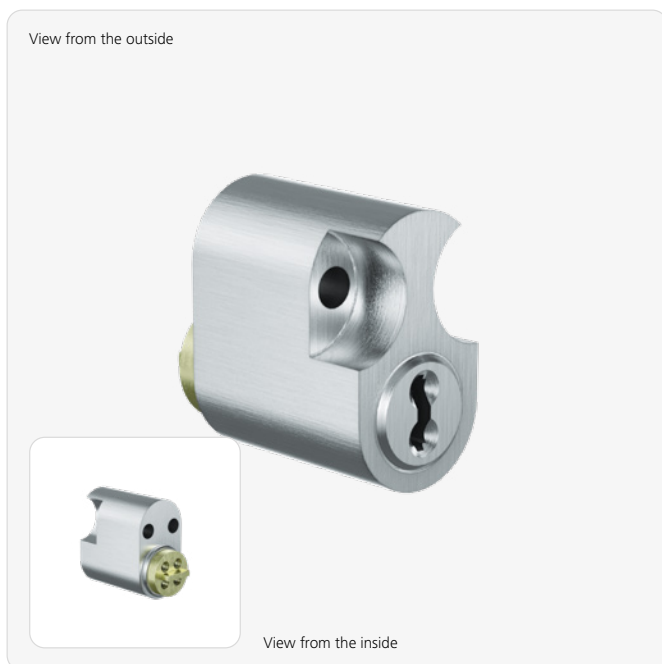
Inside door, outer side

The cylinder is suitable for use on the outside of internal doors featuring Scandinavian locks.

Ordering

Product code	M.4KS.PZ.SKA.31.[Finish]
Example	4KS Scandinavian oval profile outside cylinder, nickel plated finish: M.4KS.PZ.SKA.31.NI

4KS Scandinavian oval profile | SKI inside cylinder

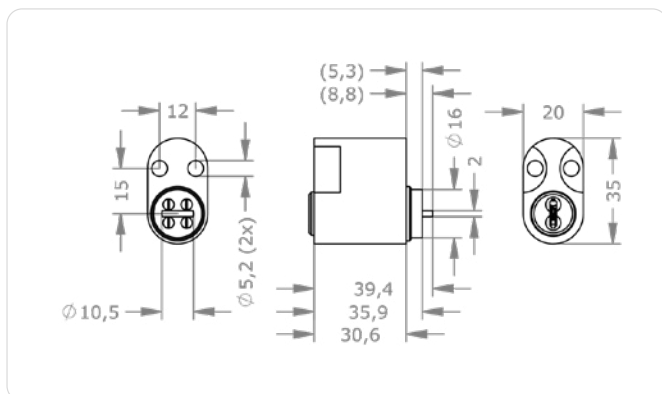


Product description

The 4KS Scandinavian inside cylinder is suitable for outdoor and indoor use. The cylinder can be locked from one side using an authorised key. It is suitable for use

with the Scandinavian oval outside cylinder. Examples of applications are house, office, connecting doors, apartment entrance, tubular frame and security doors.

Technical information



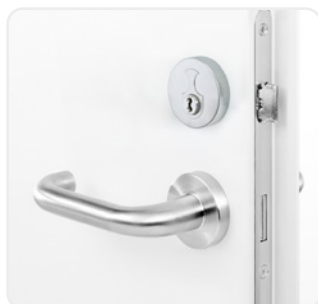
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For mortise locks, configured for Scandinavian cylinders Cylinder for a higher security with higher security category, see outside and inside cylinder IZ37.SEC
Included components	Cylinder with 2 M5x40 fixing screws

Application examples



Outer door inner side

The cylinder is suitable for use on the inside of external doors featuring Scandinavian locks.



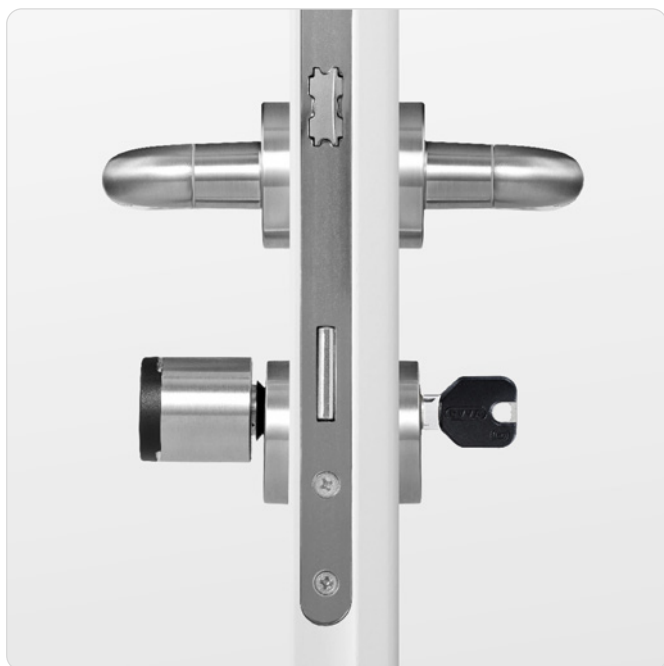
Inside door, inner side

The cylinder is suitable for use on the inside of external doors featuring Scandinavian locks.

Ordering

Product code	M.4KS.PZ.SKI.31.[Finish]
Example	4KS Scandinavian oval profile inside cylinder, nickel plated finish: M.4KS.PZ.SKI.31.NI

4KS Hybrid cylinder | Double cylinder Euro profile SY-MO DZ-S



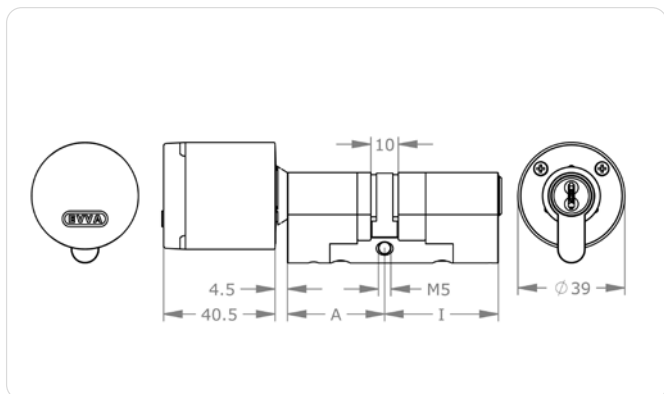
Standards and guidelines



Product description

The 4KS hybrid cylinder with access from both sides is the ideal solution for interior and exterior doors in areas with the highest security requirements and is also suitable for

installation in fire doors.



Technical information

System	A/4KS – AirKey außen/4KS innen X/4KS – Xesar außen/4KS innen
Cylinder length on the outside A in mm	31 36 41 46 + 5 mm ... Standard: $A + I \leq 92$ mm, special lengths: $A + I \geq 97$ mm
Cylinder length on the inside I in mm	36 41 46 + 5 mm ... Standard: $A + I \leq 92$ mm, special lengths: $A + I \geq 97$ mm
Finish	NI – nickel NP – polished nickel MP – polished brass PB – brown patina PS – black patina
Further information	See product catalogue AirKey, Xesar

Application examples



Protection against burglary

The mechanical cylinder on the inside is protected against manipulation from the outside.



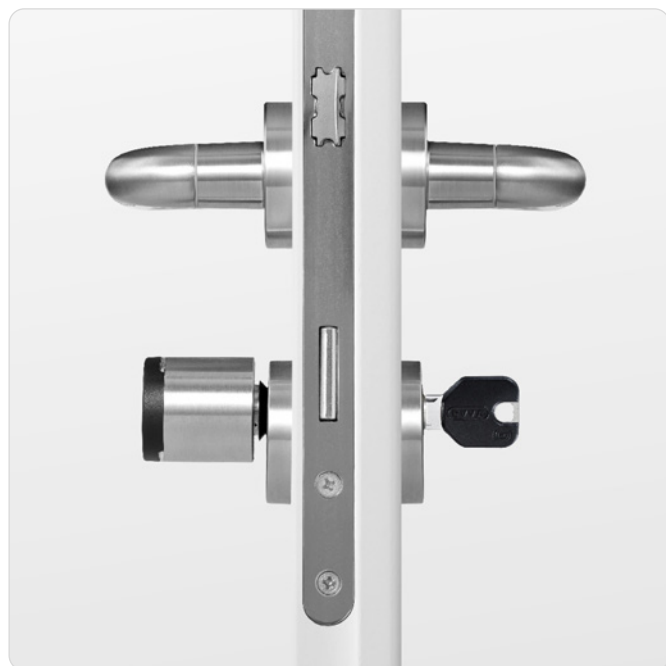
Combi key

One key locks mechanical and electronic systems.

Ordering

Product code	E.[A/System].PZ.DZ-S.[Cylinder length outside A/Cylinder length inside I].[Finish].[Technical installation situations].BSZ.[Option]
--------------	---

4KS Hybrid cylinder | Double cylinder Round profile SY-MO RDZ-S



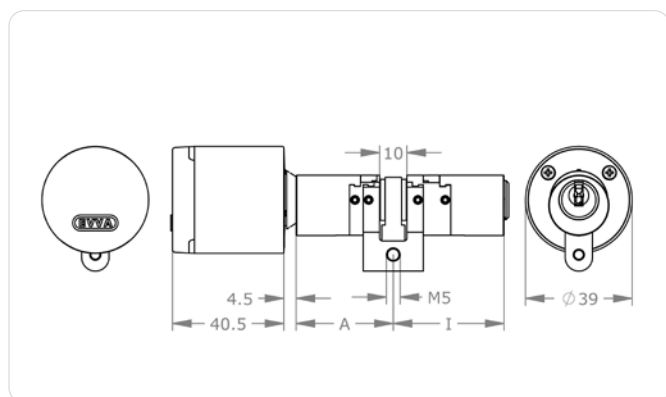
Standards and guidelines



Product description

The 4KS hybrid cylinder with access from both sides is the ideal solution for interior and exterior doors in areas with the highest security requirements

and is also suitable for installation in fire doors.



Technical information

System	A/4KS – AirKey außen/4KS innen X/4KS – Xesar außen/4KS innen
Cylinder length on the outside A in mm	31 36 41 46 + 5 mm ... Standard: $A + I \leq 92$ mm, special lengths: $A + I \geq 97$ mm
Cylinder length on the inside I in mm	36 41 46 + 5 mm ... Standard: $A + I \leq 92$ mm, special lengths: $A + I \geq 97$ mm
Finish	NI – nickel NP – polished nickel MP – polished brass PB – brown patina PS – black patina
Further information	See product catalogue AirKey, Xesar

Application examples



Protection against burglary

The mechanical cylinder on the inside is protected against manipulation from the outside.



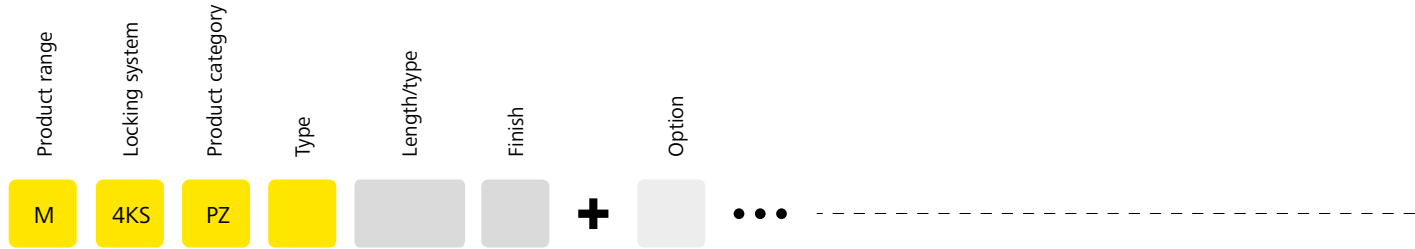
Combi key

One key locks mechanical and electronic systems.

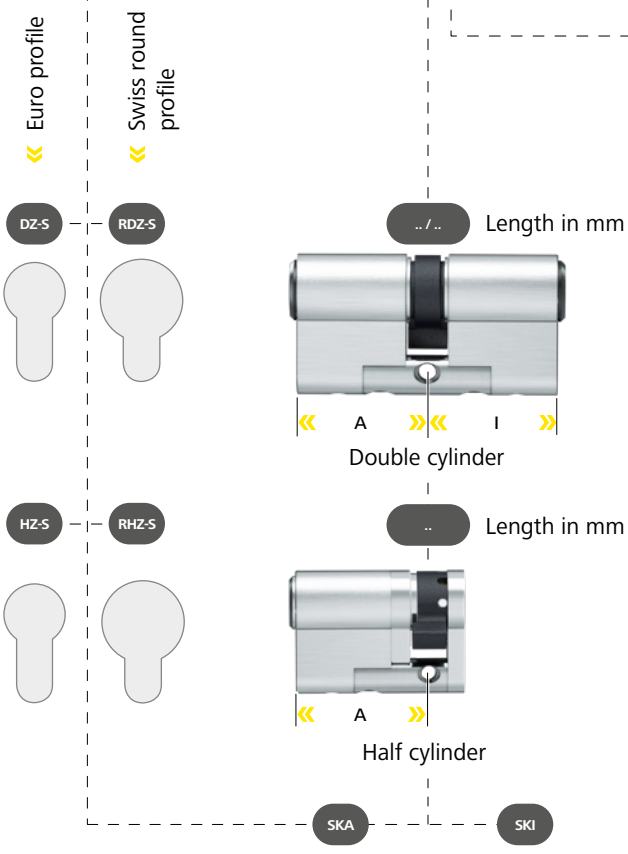
Ordering

Product code	E.[A/System].PZ.DZ-S.[Cylinder length outside A/Cylinder length inside I].[Finish].[Technical installation situations].BSZ.[Option]
--------------	---

4KS profile cylinder | Versions



Options
 Add the desired options at the end of the product code.
Details >> from page 76



- NI >> Nickel (standard)
- IMP >> Polished Brass lacquered
- NP >> Polished Nickel
- NPV >> Nickel fully polished
- MS >> Brass
- MPV >> Brass fully polished
- ML >> Brass lacquered
- CR >> Chrome
- CP >> Polished Chrome
- CPV >> Chrome fully polished
- PS >> Patinated Black
- PB >> Patinated Brown



Representation of Euro profile cylinder
 Also available with round profile



Note on additional options A,I,B

- › A - Function only on the cylinder outside
- › I - Function only on the cylinder inside
- › B - Function on both sides

Availability of options depends on type

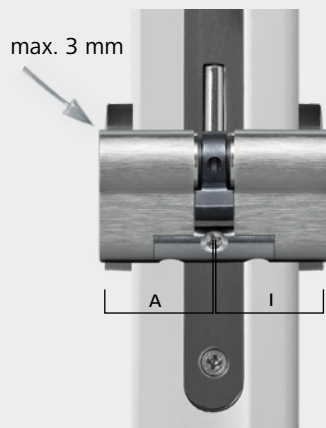
● Available:

	AS-A	BIF	BL-A	BL-I	BSZ	FL1	FZG	KZ-A	KZ-I	KZ-B	SEW	SKG3-A	SKG3-I	SKG3-B	SW-A	SW-I	SW-B	TXT	VDS	Z10	Z18	ZVS-A	ZVS-I	ZVS-B
DZ-S	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
HZ-S		●	●			●	●	●			●	●			●				●	●	●	●		
RDZ-S			●	●	●	●	●				●				●	●	●				●	●		
RHZ-S		●				●	●				●				●				●		●	●		
SKA		●																	●					
SKI			●																●					

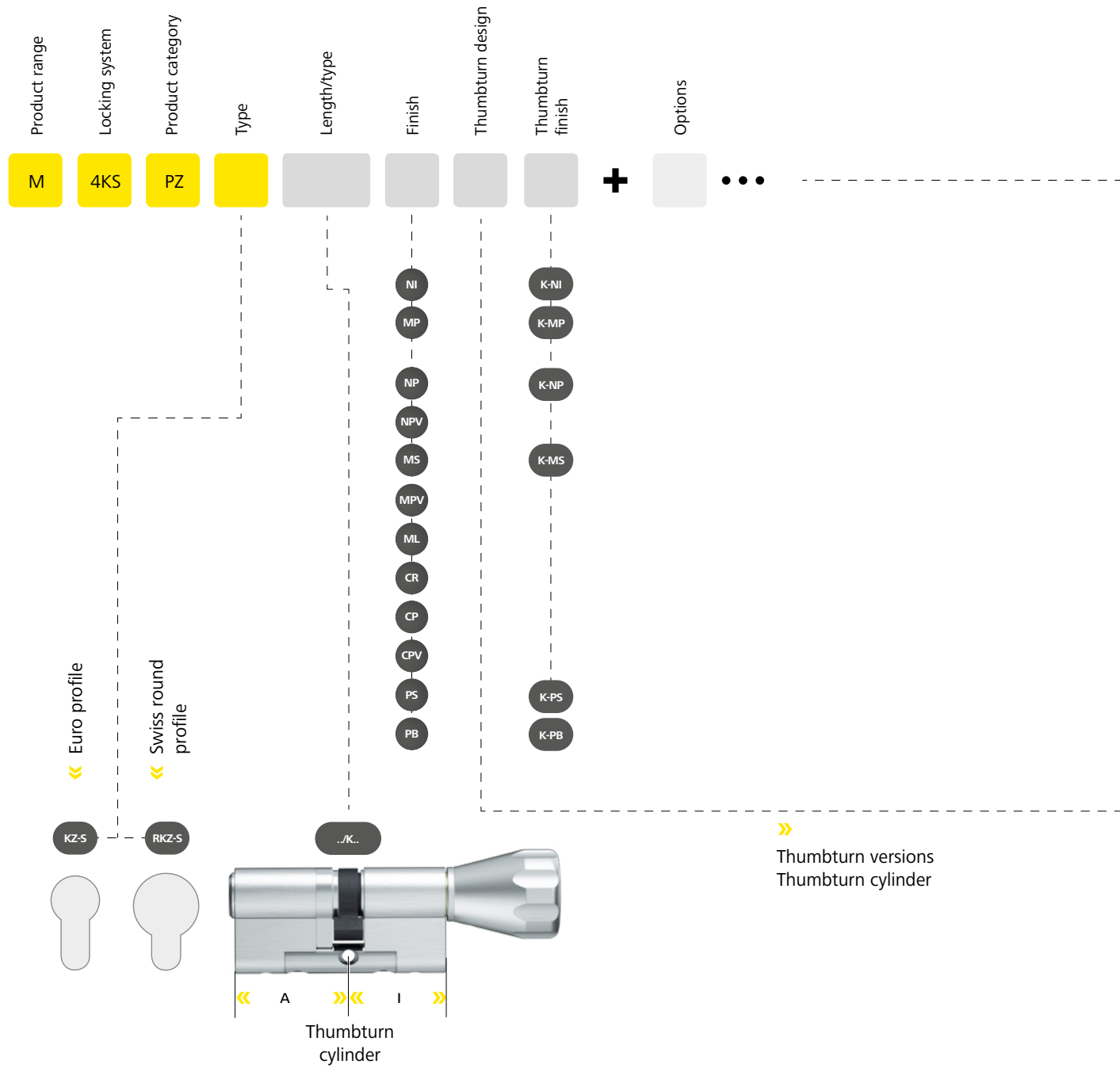


Correct cylinder lengths:

- › Cylinder lengths A or I are measured from the centre of the cylinder screw to the edge of the body.
- › The selected cylinder length must not protrude from the escutcheon by more than 3 mm.



4KS profile cylinder | Versions



Cylinder illustrated with Euro profile
 Also available with round profile



Note on additional options A,I,B

- > A - Function only on the cylinder outside
- > I - Function only on the cylinder inside
- > B - Function on both sides

Availability of options depends on type

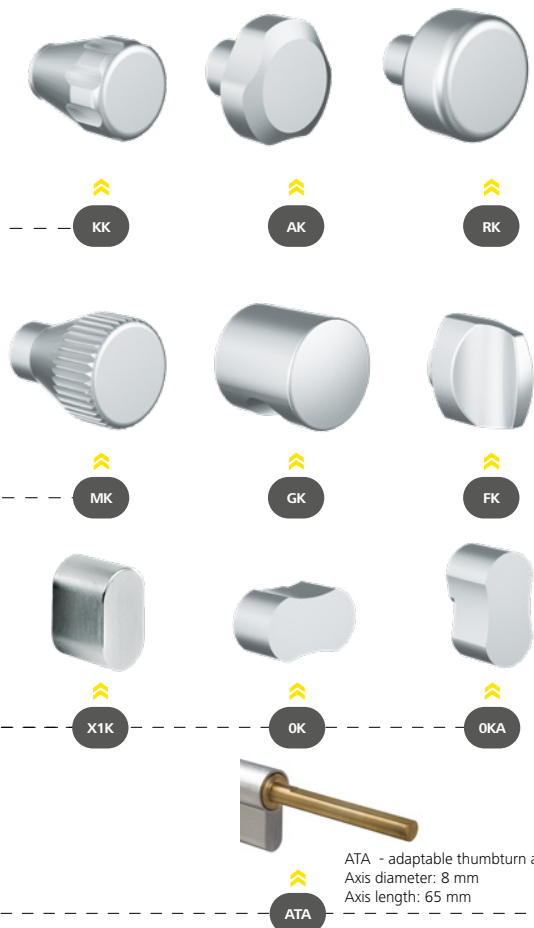
● Available

KZ-S

AS-A	BIF	BL-A	CLA	KZ-A	SEW	SKG3-A	SOS	SW-A	Z10	Z18	ZV5-A
●	●	●	●	●	●	●	●	●	●	●	●

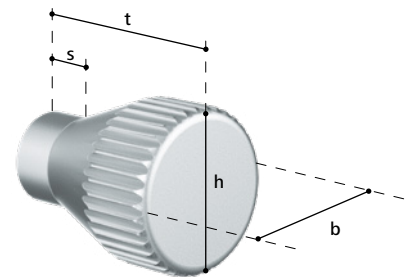
RKZ-S

AS-A	BIF	BL-A	CLA	KZ-A	SEW	SKG3-A	SOS	SW-A	Z10	Z18	ZV5-A
	●			●		●	●	●	●	●	



ATA - adaptable thumbturn axis
Axis diameter: 8 mm
Axis length: 65 mm

NOK Without thumbturn



Thumbturns made of basic material brass

	t	h	b	s
KK - cone thumbturn (standard)	35.5	28.0	28.0	2.5
AK - Allround thumbturn	30.5	36.0	36.0	12.5
RK - Round thumbturn	40.5	39.7	39.7	20.5
MK - Metal knurl thumbturn	40.5	30.0	30.0	9.5
GK - Recessed grip thumbturn	35.0	32.0	32.0	2.5
FK - Flat thumbturn	31.5	30.0	17.0	2.5
X1K - Oval thumbturn	22.0	31.6	17.7	2.0

Aluminum thumbturns

OK - Oval thumbturn aluminium	16.5	17.4	31.6	2.5
OKA - Oval thumbturn aluminium asym.	16.5	31.6	17.4	2.5

Suitable options/accessories

> see next page



4KS profile cylinder | Options & Accessories

Illustrations and ordering examples are shown using various systems.



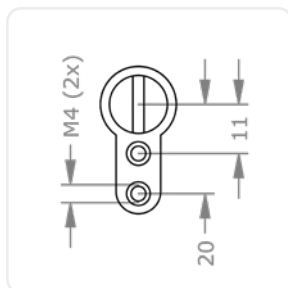
2GW[...] – Double rear fixing for HZ

2 threaded holes at the rear with M3, M4 or M5 for fastening half cylinders.

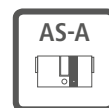
Variants 2GW3 – Double rear fixing M3 for HZ | 2GW4 – Double rear fixing M4 for HZ | 2GW5 – Double rear fixing M5 for HZ

Product code 2GW[...]

Ordering example for option M.[System].PZ.HZ-S.31.NI.2GW4



2GW4



AS-A – Anti-Snap outer side

The cylinder breaks off at a defined breaking point during a break-in attempt. The attack is registered and the remaining cylinder is blocked and rendered unusable. Without a noisy milling machine, there is no way forward. For use with security escutcheons without cylinder cover.

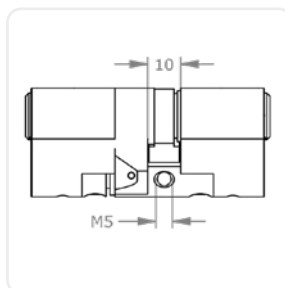
Technical specifications Anti-snap module made of hardened steel | Outer side from 41 mm

Product code AS-A

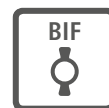
Ordering example for option M.[System].PZ.DZ-S.41/31.NI.AS-A



Sample illustration



Sample illustration



BIF – Double cam Biffar®

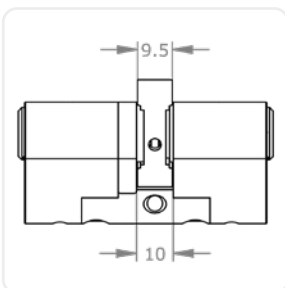
Cam with two teeth. For use in Biffar® doors.

Product code BIF

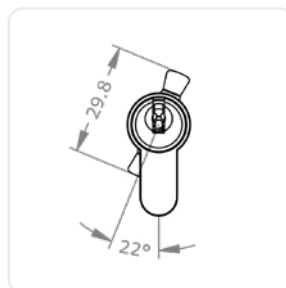
Ordering example for option M.[System].PZ.DZ-S.31/31.NI.BIF



Sample illustration



Sample illustration



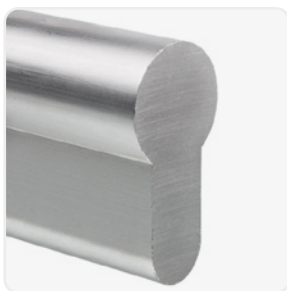
Sample illustration



BL-[...] – blind cylinder

The blind cylinder side is made entirely of body material, it has no locking function and is not suitable for use on the attack side of burglary-resistant doors.

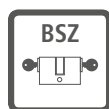
Variants	BL-A – blind outside BL-I – blind inside BL-B – blind both sides
Product code	BL- [...]
Ordering example for option	M. [System]. PZ. DZ-S. 31/31. NI. BL-A



Sample illustration



Sample illustration



BSZ – External key override

Ideal in hazardous situations. Enables the cylinder lock to be unlocked even when an authorised key has been inserted on the opposite side. The system also prevents authorised users from accidentally locking themselves out with the key inserted on the other side.

Product code	BSZ
Ordering example for option	M. [System]. PZ. DZ-S. 31/31. NI. BSZ



CLA – Classroom function

For doors with thumbturn cylinders that must not be locked using the thumbturn. For instance, in classrooms. You can open the door from the inside using the thumbturn, but you can't lock it. The key on the outside features a priority function that can also operate the cylinder if the thumbturn on the inside has been locked.

Technical specifications	Adjustable for left/right doors
Product code	CLA
Ordering example for option	M. [System]. PZ. KZ-S. 31/K36. NI. CK. K-NI. CLA

4KS profile cylinder | Options & Accessories

Illustrations and ordering examples are shown using various systems.



FIN[...] – Spray FinLube

Multi-purpose spray to clean, lubricate and protect.

Variants 0088002458 – Finlube 100ml | 0088002431 – Finlube 300ml | 0088002423 – Finlube 500ml

Product code M.TE[0088002458, 0088002431, 0088002423]

Ordering example for accessories M.TE.0088002431



Sample illustration



FZG – Free wheel function for gear locks

For gear locks with panic function if a free-wheel function is explicitly required by the lock manufacturer. Cylinder lock with 360 degree free-wheel cam when key is not inserted. Coupling engaged when the key tip is inserted.

Technical specifications Forced decoupling of the cam | tested in accordance with the PIV guidelines.

Product code FZG

Ordering example for option M.[System].PZ.DZ-S.31/31.NI.FZG



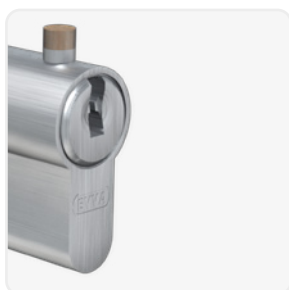
KS[...] – Contact pin

The cylinder has a contact pin for activating an external microswitch.

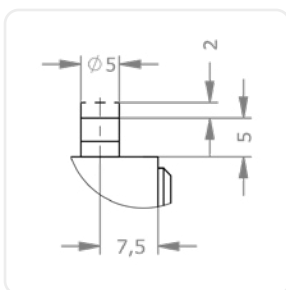
Variants KS-A – Contact pin outside | KS-I – Contact pin inside | KS-B – Contact pin both sides

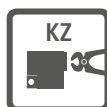
Product code KS-A, KS-I, KS-B

Ordering example for option M.[System].PZ.DZ-S.31/31.NI.KS-A



Sample illustration





KZ[...] – Increased plug pulling and drilling protection

Enhanced plug pulling and drilling protection thanks to special carbide elements for doors with increased security risk. Examples are side entrances and other doors in difficult to see access situations.

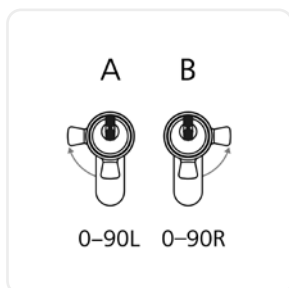
Variants	KZ-A – Increased plug pulling and drilling protection outside KZ-I – Increased plug pulling and drilling protection inside KZ-B – Increased plug pulling and drilling protection both sides
Technical specifications	Special carbide elements in plug and body Complies with VdS guidelines for mechanical locking cylinders 2156-1 for the attack methods of drilling and plug pulling
Product code	KZ-A, KZ-I, KZ-B
Ordering example for option	M.[System].PZ.DZ-S.31/31.NI.KZ-A



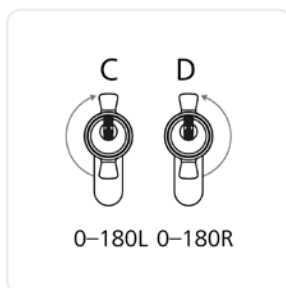
LW[...] – Free travel

For use in switches or locking elements where the cam cannot be turned 360°, but where the key should be withdrawn again. With free travel, the cam is not carried through the entire 360° of key movement, but only over a defined range.

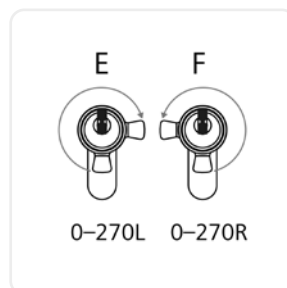
Variants	LWA – Cam Drive left 0°–90° LWB – Cam Drive right 0°–90° LWC – Cam Drive left 0°–180° LWD – Cam Drive right 0°–180° LWE – Cam Drive left 0°–270° LWF – Cam Drive right 0°–270° LWG – Cam Drive right/left 0°–90° LWH – Cam Drive right 45°– left 90° LWI – Cam Drive left 45°– right 90°
Product code	LWA, LWB, LWC, LWD, LWE, LWF, LWG, LWH, LWI
Ordering example for option	M.[System].PZ.HZ-S.31.NI.LWA



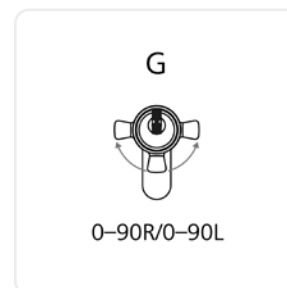
LWA, LWB



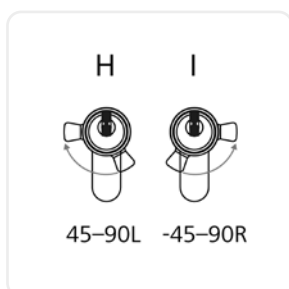
LWC, LWD



LWE, LWF



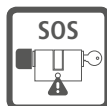
LWG



LWH, LWI

4KS profile cylinder | Options & Accessories

Illustrations and ordering examples are shown using various systems.

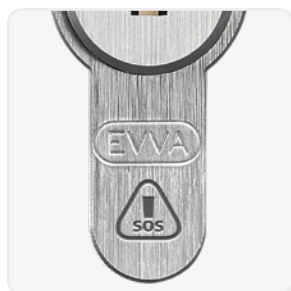


SOS – SOS function

The cylinder side to be operated using the key is provided with a priority function.

Product code SOS

Ordering example for option M.[System].PZ.KZ-S.31/K36.NI.KK.K-NI.SOS



SEW – Sea water protection

Corrosion-susceptible cylinder parts are supplied with a special surface treatment. For cylinders exposed to more severe environmental influences.

Product code SEW

Ordering example for option M.[System].PZ.DZ-S.31/36.NI.SEW



Sample illustration



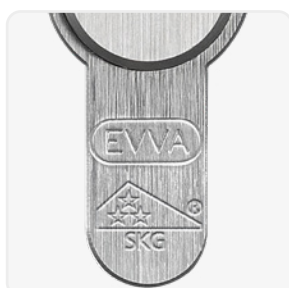
SKG3-[...] – SKG *** certified

SKG-certified cylinder lock with increased resistance to destructive and covert opening techniques. For installation in high-risk security areas.

Variants SKG3-A – SKG *** certified outside | SKG3-I – SKG *** certified inside | SKG3-B – SKG *** certified both sides

Product code SKG3-A, SKG3-I, SKG3-B

Ordering example for option M.[System].PZ.DZ-S.31/31.NI.SKG3-A

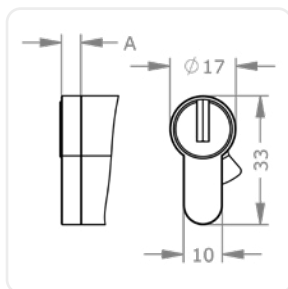




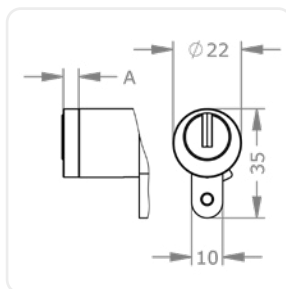
SW-[...] – Dust and weather cover

For applications in exposed locations and very dirty environments. Locking elements protect the keyway from contamination.

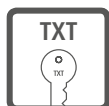
Technical specifications	FPS.PZ A=3,7 mm EPS.PZ A=3,7 mm ICS.PZ A=5,0 mm 4KS.PZ A=3,3 mm MCS.PZ A=5,2 mm
Product code	SW-A, SW-I, SW-B
Ordering example for option	M.[System].PZ.DZ-S.31/31.NI.SW-A



Sample illustration



Sample illustration



TXT – Customer-specific text

Numbering according to customer requirements in addition to system number and key/cylinder number.

Product code	TXT
Ordering example for option	M.[System].PZ.DZ-S.31/31.NI.TXT



Sample illustration

4KS profile cylinder | Options & Accessories

Illustrations and ordering examples are shown using various systems.



VDS – Vds certified

Vds-certified cylinder lock with increased resistance to destructive and covert opening techniques. For installation in high-risk security areas.

Product code	VDS
Ordering example for option	M.[System].PZ.DZ-S.31/31.NI.VDS



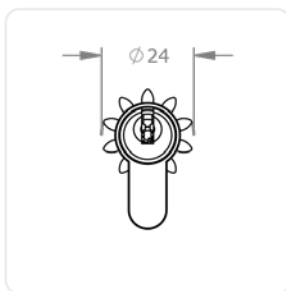
Z[...] – Cog wheel cam

These cylinder locks are designed for multi-point locks, bolt locks or special mortise locks that are operated via a geared ring or a toothed rack.

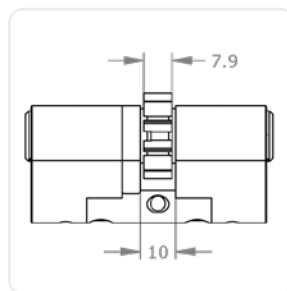
Variants	Z10 – Cog wheel cam Z10 Z14 – Cogwheel cam Z14 Z18 – Cogwheel cam Z18
Technical specifications	Diameter 24 mm, 10 teeth Diameter 30 mm, 18 teeth
Product code	Z10, Z18
Ordering example for option	M.[System].PZ.DZ-S.31/31.NI.Z10



Sample illustration Z10



Sample illustration Z10



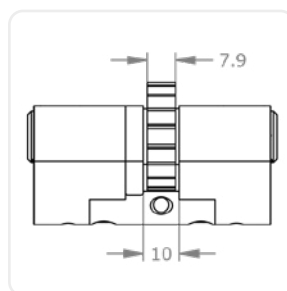
Sample illustration Z10



Sample illustration Z18



Sample illustration Z18



Sample illustration Z18



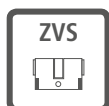
ZS[...] – Cylinder fixing screw

Cylinder fastening screw for mounting the profile cylinder in the mortise lock

Technical specifications M5 | Lengths in mm: 50, 60, 70, 80, 90, 100 | Countersunk head | PH2 drive

Product code ZS50, ZS60, ZS70, ZS80, ZS90, ZS100,

Ordering example for accessories M.ZU.ZS90



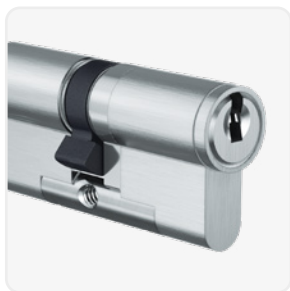
ZVS-[...] – Reduced cylinder body

Cylinder lock with reduced body, e.g. for use in special metal frame doors with integrated protective escutcheon.

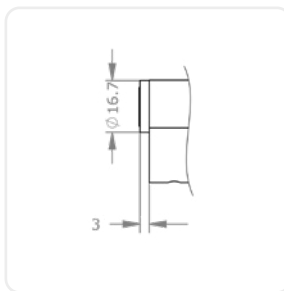
Variants ZVS-A – Reduced cylinder body outside | ZVS-I – Reduced cylinder body inside | ZVS-B – Reduced cylinder body both sides

Product code ZVS-A, ZVS-I, ZVS-B

Ordering example for option M.[System].PZ.DZ-S.31/31.NI.ZVS-A



Sample illustration





Padlock



Massively secured
For heavy-duty performance -
the solid 4KS padlock.

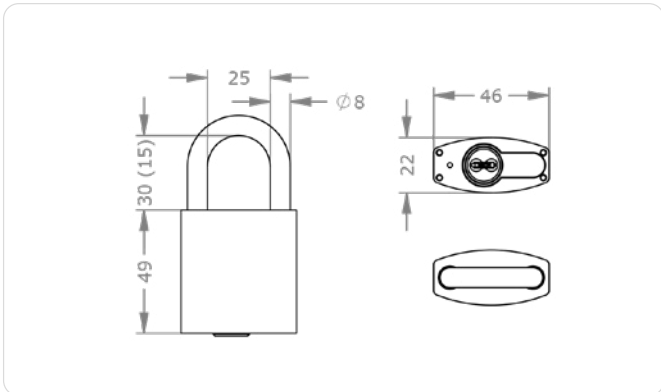


Controlled access
Reliable protection for exposed
locations.



Hard-wearing
Optional protection against
weather and mechanical
attack.

4KS padlock | HM24-S



Product description

The 4KS padlock HM24-S with hardened steel shackle is suitable for securing doors or objects equipped with hasps or eyelets. Examples of applications are roller shutters, barrier systems, chain fastenings and barrier fences.

Technical information

Niro/steel shackle variant, clear height in mm	S17 S30 N30 N40 N50 N60 N70 N80 N90 N100 N120 N150 N180 N200
Finish	NI – Nickel
Optional security features	BS – Shackle protection
Optional technical installation feature	SW-A – Dust and weather protection outside
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 request positions (authorisation positions) 12 springless, linearly controlled locking pins Hard metal or hardened steel safety elements to prevent drilling and pulling Brass connecting rod to prevent it from being torn off Two-way locking of the security bar Key can only be removed when closed
Included components	Padlock

Application examples



Cellar doors

Hasps and padlocks secure doors that do not have a lock, such as cellar doors.



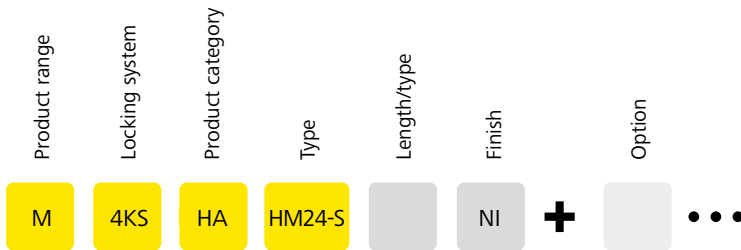
Barriers

Highly suitable for protection against unauthorised opening and closing of barriers.

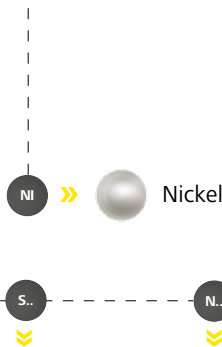
Ordering

Product code	M.4KS.HA.HM24-S.[S/N clear height in mm]. [Finish]. [Option]
Example	4KS padlock HM24-S, with stainless steel shackle, clearance height of 50 mm, nickel plated finish, with dust and weather protection: M.4KS.HA.HM24-S.N50.NI.SW-A

Versions



Standard design
 Clearance height 30 mm.
 Either stainless steel or
 steel shackle.



	Steel shackle		NIRO shackle	
	S17	17 mm	-	-
----- >>	S30	30 mm	N30	30 mm
			N40	40 mm
			N50	50 mm
			N60	60 mm
			N70	70 mm
			N80	80 mm
			N90	90 mm
			N100	100 mm
			N120	120 mm
			N150	150 mm
			N180	180 mm
			N200	200 mm



4KS padlocks | Options & Accessories

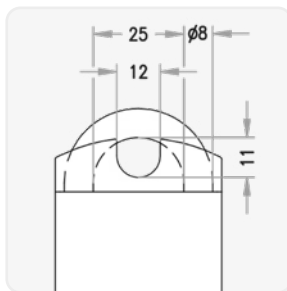
Illustrations and ordering examples are shown using various systems.



BS – Shackle protection

The shackle protection BS increases the security of the HM24-S to a maximum. The combination of shortened shackle made of hardened steel and surrounding shackle protection makes an attack with break-in tools (bolt cutters) extremely difficult.

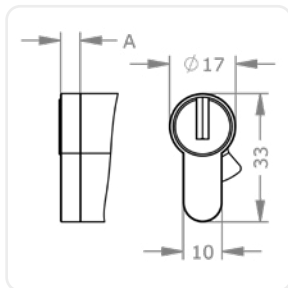
Technical specifications	Hardened steel short shackle
Product code	BS
Ordering example for option	M.[System].HA.HM24-S.S17.NI.BS



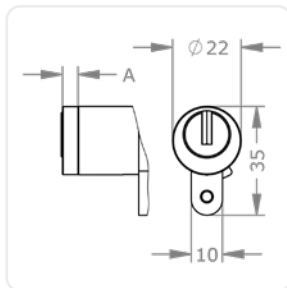
SW-[...] – Dust and weather cover

For applications in exposed locations and very dirty environments. Locking elements protect the keyway from contamination.

Technical specifications	FPS.PZ A=3,7 mm EPS.PZ A=3,7 mm ICS.PZ A=5,0 mm 4KS.PZ A=3,3 mm MCS.PZ A=5,2 mm
Product code	SW-A, SW-I, SW-B
Ordering example for option	M.[System].PZ.DZ-S.31/31.NI.SW-A



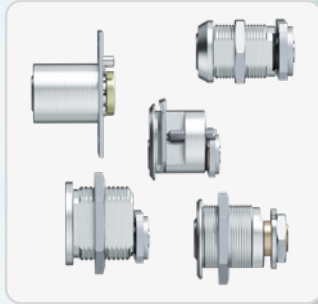
Sample illustration



Sample illustration



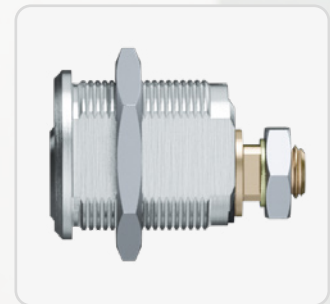
Cam lock



Wide range
Cylinders available in numerous sizes and diameters.

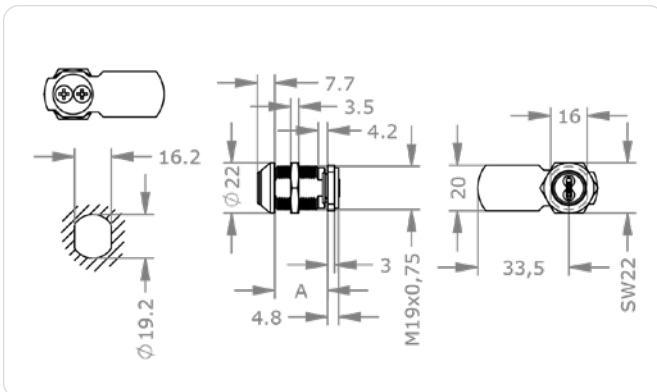


Locking direction can be selected
Depending on the installation position, the locking direction can be defined as required.



Simple installation
Quick installation using fixing plates or nut.

4KS cam lock | MB19



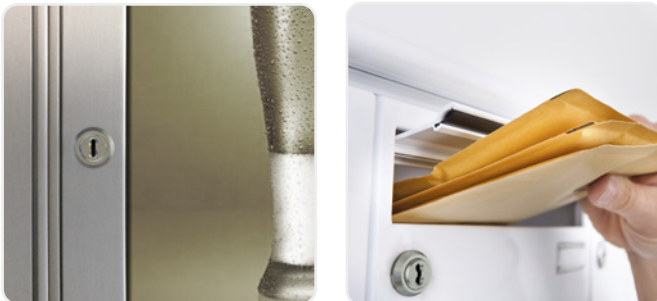
Product description

The 4KS cam lock MB19 locks boxes and cabinets with a locking cam at the rear. It is suitable for a hole pattern larger than 19 mm, is flattened on the side and is fastened at the rear by a flat nut. Application examples are key boxes and letter boxes, display cases and technical distribution cabinets.

Technical information

Cylinder length on the outside A in mm	23 28
Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Optional technical installation feature	OSN – Without cam ST[...] – Locking direction A-H
Lever options	H[...]A] – Cam for metal boxes and display cases HB[...]A] – Cam for mail boxes
Optional usage feature	B01 – 2 key extracting positions 0°, 90° B03 – 2 key extracting positions 0°, -90° TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	Hole pattern larger than 19 mm flattened on the side rear mounted with a flat nut locking cam according to dimensional drawing for use in key cabinets, mailboxes as well as other metal sheet cabinets
Included components	Cylinder assembled with fastening nut and standard cam H7233 or optional cam

Application examples



Securely informed

Can be used in message boxes and can also be integrated into a master key system.

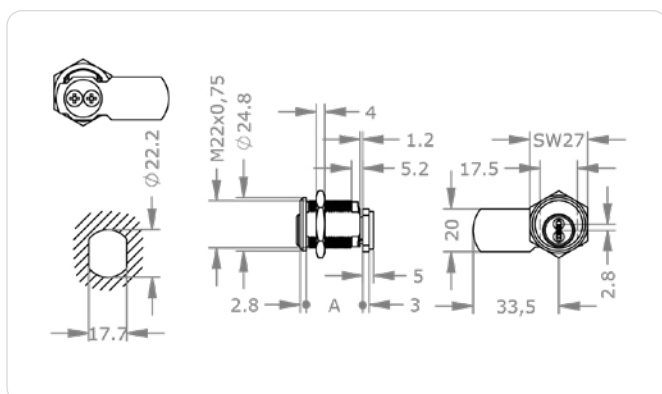
One for all

Use only one key to lock the apartment entrance door and the mailbox. This cam lock makes it possible.

Ordering

Product code	M.4KS.HB.MB19.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS cam lock, 19 mm diameter, nickel plated finish, length 23 mm, 2 key extracting positions at the bottom and left: M.4KS.HB.MB19.23.NI.B01

4KS cam lock | MB22



Application examples



Distribution cabinets

Thanks to the cam lock you can even integrate technical distribution cabinets into the master key system.

Product description

The 4KS cam lock MB22 locks boxes and cabinets with a locking cam at the rear. It is suitable for a hole pattern larger than 22 mm, is flattened on the side and is

secured on the rear by a flat nut. Application examples are key boxes and letter boxes, display cabinets and technical distribution cabinets.

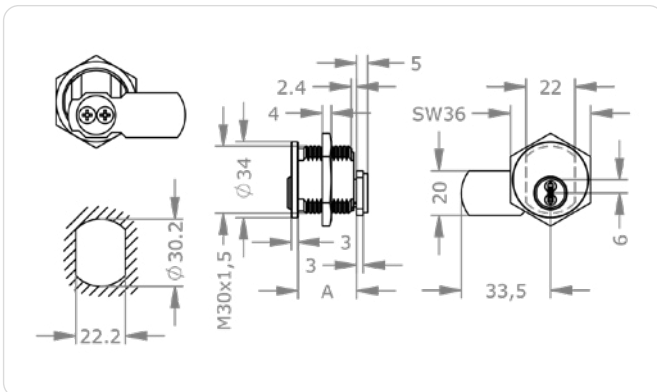
Technical information

Cylinder length on the outside A in mm	27
Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Optional technical installation feature	GTA[...] – Glass door plate wide GTB[...] – Glass door plate high SR22 – Dust and weather protection cover ST[...] – Locking direction A-H
Lever options	H[...]A] – Cam for metal boxes and display cases HB[...]A] – Cam for mail boxes
Optional usage feature	B01 – 2 key extracting positions 0°, 90° B03 – 2 key extracting positions 0°, -90° TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	Hole pattern larger than 22 mm flattened on the side rear mounted with a flat nut locking cam according to dimensional drawing for use in key boxes, mailboxes and other sheet metal cabinets
Included components	Cylinder assembled with fastening nut and standard cam H7233 or optional cam

Ordering

Product code	M.4KS.HB.MB22.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS cam lock 22 mm diameter, nickel plated finish, length 27 mm, 2 key extracting positions at the bottom and left: M.4KS.HB.MB22.27.NI.B01

4KS cam lock | MB30



Product description

The 4KS cam lock MB30 locks boxes and cabinets with a locking cam at the rear. It fits a hole pattern larger than 30 mm, is flattened on the side

and is fastened at the rear by a flat nut. Application examples are key boxes and letter boxes, display cabinets and technical distribution cabinets.

Technical information

Cylinder length on the outside A in mm	26
Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Optional technical installation feature	OSN – Without cam ST[...] – Locking direction A-H Z18 – Cogwheel cam Z18
Lever options	H[...] [A] – Cam for metal boxes and display cases HB[...] [A] – Cam for mail boxes
Optional usage feature	B01 – 2 key extracting positions 0°, 90° B03 – 2 key extracting positions 0°, -90° TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	Hole pattern larger than 30 mm flattened on the side rear mounted with a flat nut locking cam according to dimensional drawing for use in key boxes, mailboxes and other sheet metal cabinets
Included components	Cylinder with fixing plate and standard cam H7233 or optionally mounted cam

Application examples



Distribution cabinets

Thanks to the cam lock you can even integrate technical distribution cabinets into the master key system.

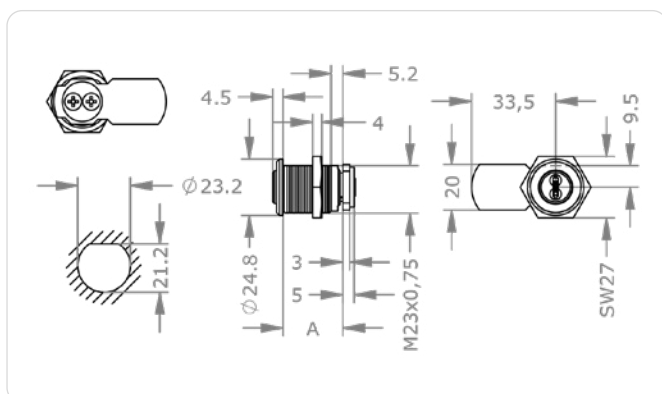
Forced lock-out

Combine the cam lock with a cogwheel cam and you can control the issue of keys.

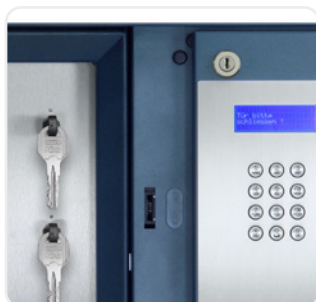
Ordering

Product code	M.4KS.HB.MB30.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS cam lock 30 mm diameter, nickel plated finish, length 26 mm, 2 key extracting positions at the bottom and left: M.4KS.HB.MB30.26.NI.B01

4KS cam lock | MB23MB



Application examples



Keys well guarded

Access to the key guard control unit is securely blocked with this cylinder.

Product description

The 4KS cam lock MB23MB locks boxes and cabinets with a locking cam at the rear. It fits a hole pattern larger than 23 mm, is flattened at the top

and fastened at the rear by a flat nut. Application examples are key boxes and letter boxes, display cabinets and technical distribution cabinets.

Technical information

Cylinder length on the outside A in mm	27
Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Optional technical installation feature	OSN – Without cam SEW – Sea water protection ST[...] – Locking direction A-H
Lever options	H[...]A] – Cam for metal boxes and display cases HB[...]A] – Cam for mail boxes
Optional usage feature	B01 – 2 key extracting positions 0°, 90° B03 – 2 key extracting positions 0°, -90° TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	Hole pattern larger than 23 mm flattened at the top rear mounted with a flat nut locking cam according to dimensional drawing for use in key boxes, mailboxes and other sheet metal cabinets
Included components	Cylinder assembled with fastening nut and standard cam H7233 or optional cam

Ordering

Product code	M.4KS.HB.MB23MB.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS cam lock 23 mm diameter, centred plug, nickel plated finish, 2 key extracting positions at the bottom and left: M.4KS.HB.MB23MB.27.NI.B01

4KS cam lock | MB22K

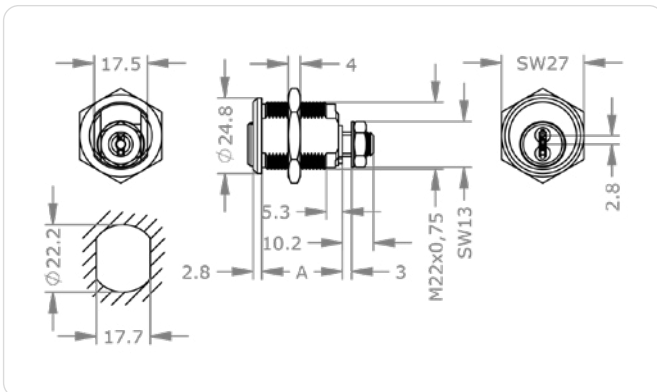


Product description

The 4KS cam lock MB22K locks boxes and cabinets with a rear 8 mm lock bar. It fits a hole pattern larger than 22 mm, is flattened on the side and is fastened at the rear by a flat nut. Examples of applications are lockers and metal cabinets.

Technical information

Cylinder length on the outside A in mm	27 32
Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Optional technical installation feature	SR22 – Dust and weather protection cover ST[...] – Locking direction A-H
Optional usage feature	B01 – 2 key extracting positions 0°, 90° B03 – 2 key extracting positions 0°, -90° TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	Hole pattern larger than 22 mm flattened on the side rear mounted with a flat nut for use in key boxes, mailboxes and other sheet metal cabinets
Included components	Cylinder lock with fastening nuts for cylinder and cam; also without cam



Application examples



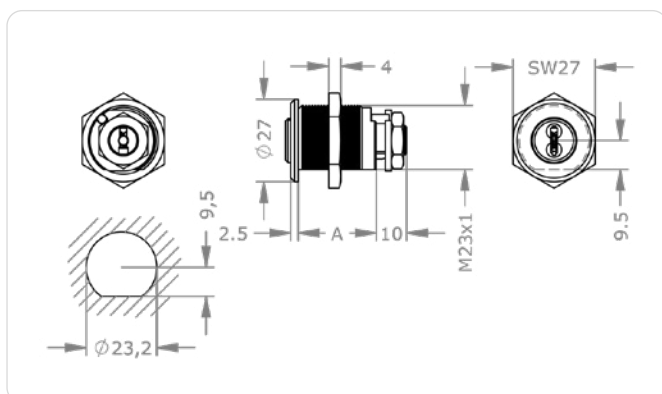
Secure in the locker

This cam lock makes it possible to securely lock lockers in changing rooms.

Ordering

Product code	M.4KS.HB.MB22K.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS cam lock 22 mm diameter, nickel plated finish, length 27 mm, 2 key extracting positions at the bottom and left: M.4KS.HB.MB22K.27.NI.B01

4KS cam lock | MB23CH



Application examples



Well integrated

This cam lock can also be used to integrate Swiss manufacturers' mailboxes into the master key system.

Product description

The 4KS cam lock MB23CH locks boxes and display cabinets. It is equipped with a mount on the back for KABA® cam, suitable for letter boxes. It fits a hole pattern larger than

23 mm, is flattened on the side and is fastened at the rear by a flat nut. Application examples are key boxes and letter boxes, display cabinets and technical distribution cabinets.

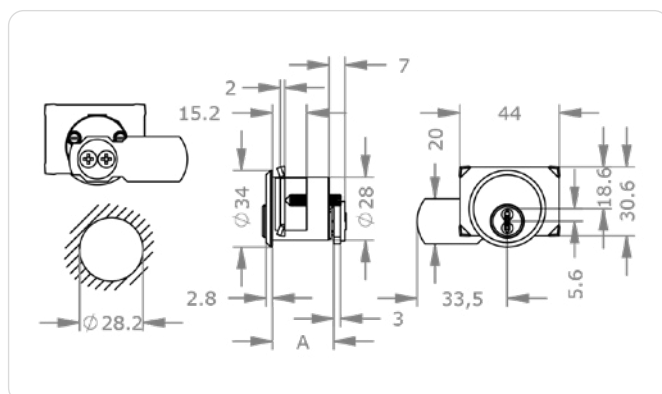
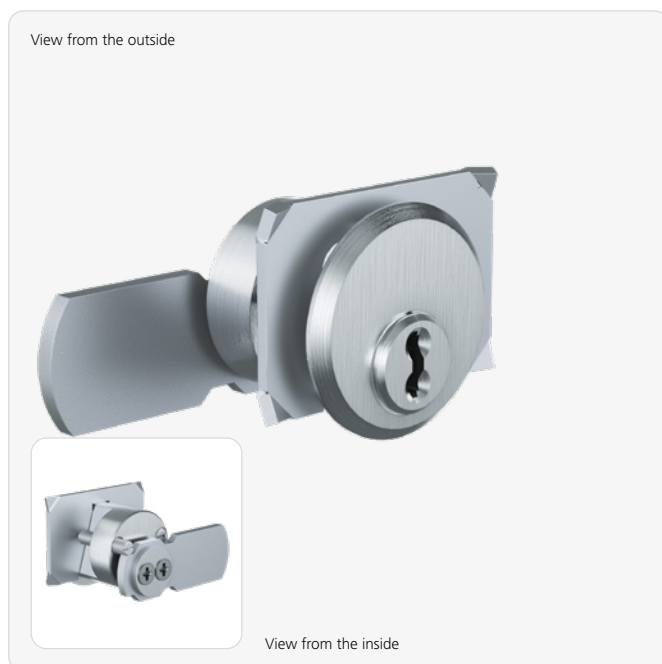
Technical information

Cylinder length on the outside A in mm	26
Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Optional technical installation feature	OSN – Without cam SEW – Sea water protection ST[...] – Locking direction A-H
Optional usage feature	B01 – 2 key extracting positions 0°, 90° B03 – 2 key extracting positions 0°, -90° TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	Hole pattern larger than 23 mm flattened on the underside rear mounted with a flat nut for use in mailboxes and other sheet metal cabinets
Included components	Cylinder lock with fastening nuts for cylinder and cam, also without cam, third-party cam on customer request

Ordering

Product code	M.4KS.HB.MB23CH.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS cam lock, 23 mm diameter, nickel plated finish, length 26 mm, 2 key extracting positions at the bottom and left: M.4KS.HB.MB23CH.26.NI.B01

4KS cam lock | MB28ZB



Product description

The 4KS cam lock MB28ZB locks emergency key boxes and house mailbox systems with a locking cam on the rear. It fits a hole pattern larger than 28 mm and is

fastened at the rear with a fixing plate and threaded pins. Further application examples are letter boxes and technical distribution cabinets.

Technical information

Cylinder length on the outside A in mm	27
Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Optional technical installation feature	OSN – Without cam R050 – Escutcheon 50 mm ST[...] – Locking direction A-H SW[...] – Dust and weather cover
Lever options	H[...]A] – Cam for metal boxes and display cases HB[...]A] – Cam for mail boxes
Optional usage feature	B01 – 2 key extracting positions 0°, 90° B03 – 2 key extracting positions 0°, -90° TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	Hole pattern larger than 28 mm use in key boxes, mailboxes and other sheet metal cabinets
Included components	Cylinder with fixing plate and standard cam H7233 or optionally mounted cam

Application examples



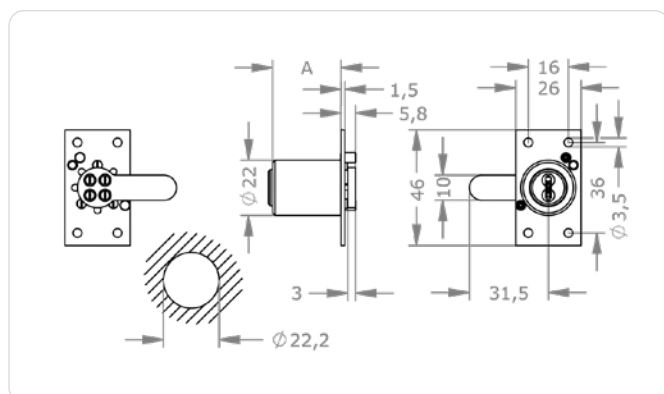
One for all

Use only one key to lock the apartment entrance door and the mailbox. This cam lock makes it possible.

Ordering

Product code	M.4KS.HB.MB28ZB.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS cam lock 28 mm diameter, nickel plated finish, 2 key extracting positions at the bottom and left: M.4KS.HB.MB28ZB.27.NI.B01

4KS cam lock | MR22R



Application examples



Secure without a lock

This cam lock replaces a furniture lock and locks all types of furniture doors.

Product description

The 4KS cam lock MR22R locks boxes and cabinets with a locking cam at the rear. It fits mm and is fastened at the rear by a fixing plate. Application examples are display cabinets and wooden furniture.

Technical information

Cylinder length on the outside A in mm	27 32 37 42 47 57 67
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional usage feature	B01 – 2 key extracting positions 0°, 90° B03 – 2 key extracting positions 0°, -90° TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	Hole pattern larger than 22 mm rear mounted with a fastening plate locking cam according to dimensional drawing for use in showcases, furniture doors and other wooden boxes
Included components	Cam lock with mounted rectangular fixing plate Standard locking cam 40 mm without escutcheon

Ordering

Product code	M.4KS.HB.MR22R.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS cam lock 22 mm diameter with mounting plate, nickel plated finish, length 27 mm, 2 key extracting positions at the bottom and left: M.4KS.HB.MR22R.27.NI.B01

4KS coin operated lock cylinder | DPM25

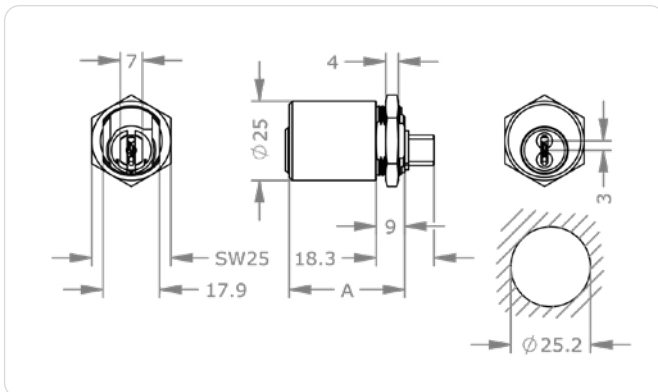


Product description

The 4KS cam lock DPM25 locks 25 mm, is flattened on the side coin operated locks with a and is secured in the lock by a flattened plug end on the side. flat nut. Application examples It fits a hole pattern larger than are coin operated locks.

Technical information

Cylinder length on the outside A in mm	37
Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Optional technical installation feature	DPM[...] – Coin operated lock Depomat® LI – Left RE – Right
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	Hole pattern larger than 25 mm in combination with a Depomat coin operated lock
Included components	Coin operated lock cylinder



Application examples



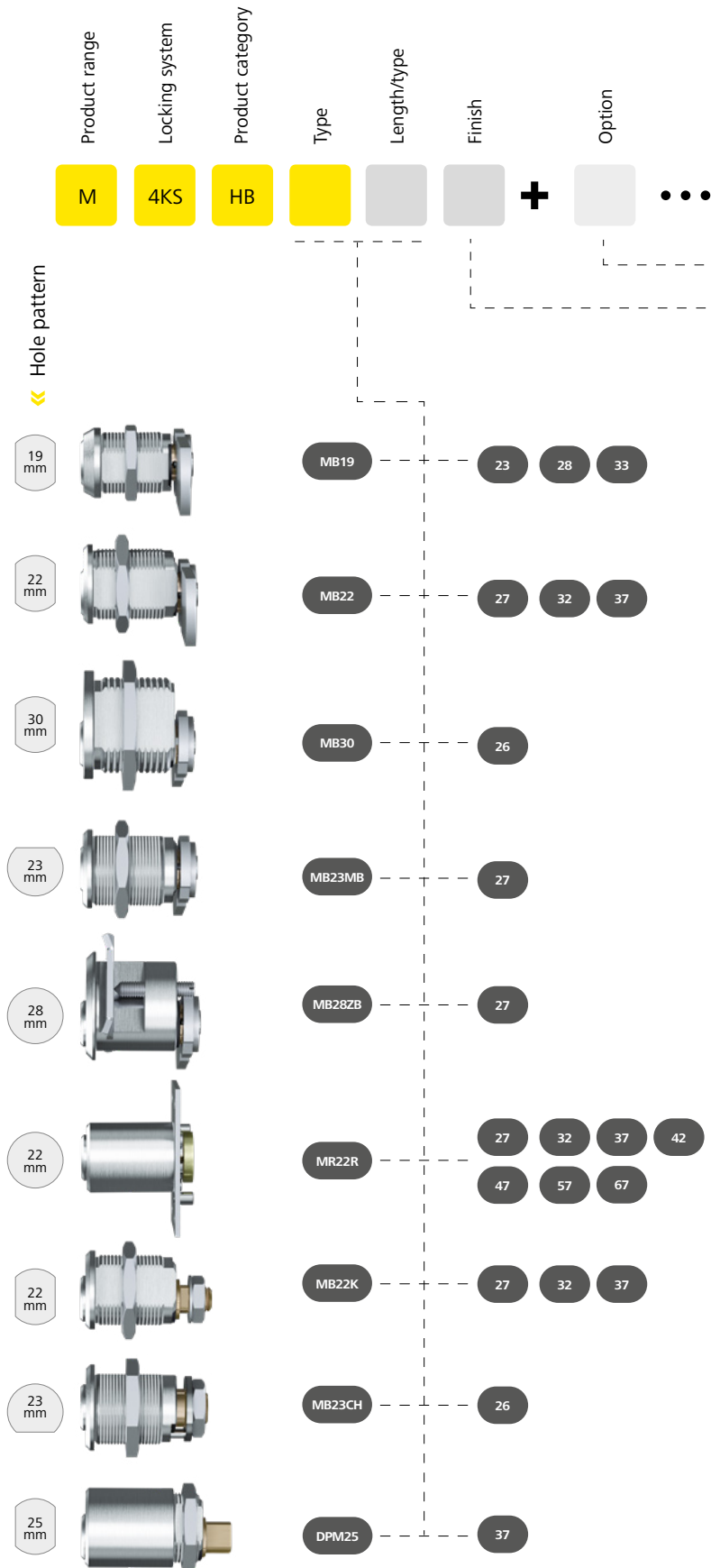
Coin in and secure

The coin operated lock cylinder makes it easy to lock lockers in cloakroom systems.

Ordering

Product code	M.4KS.HB.DPM25.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS Coin operated lock cylinder diameter 25 mm, length 37 mm, nickel plated finish with coin operated lock (deposit € 1.-) right version: M.4KS.HB.DPM25.37.NI.DPMRE1E

4KS cam lock | Versions



EVVA cam range
 > The EVVA cam range from page 98 matches these cylinders

Suitable for key boxes and letter boxes,
 >> display cases and technical distribution cabinets.

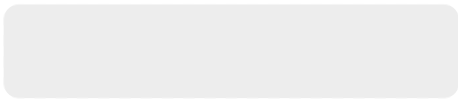
Suitable for emergency key boxes,
 >> house mailbox systems, letter boxes and technical distribution cabinets.

>> Suitable for display cases and wooden furniture

>> Fits lockers and sheet metal cabinets

Suitable for key boxes,
 >> Swiss mailboxes, display cases and technical distribution cabinets.

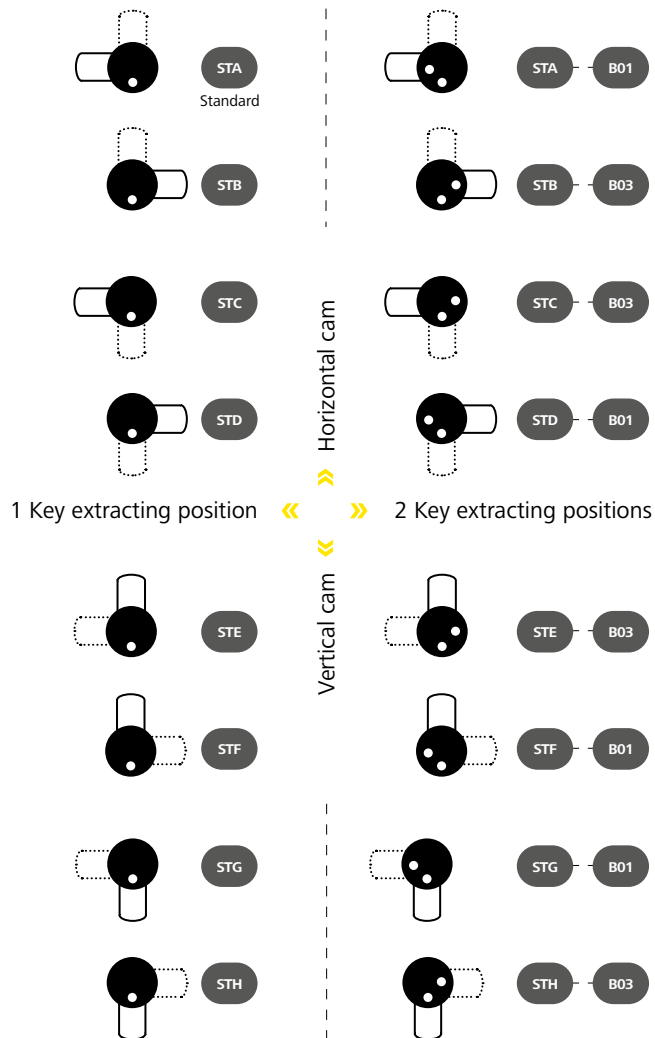
>> Suitable for coin operated locks.



Locking direction &
Key extracting positions

- > Standard locking direction STA
- > Standard 1 Key extracting positions
- > Locking direction options STB–STH
- > Options 2. Key extracting position

- NI >> Nickel (standard)
- MP >> Polished Brass lacquered
- NP >> Polished Nickel
- NPV >> Nickel fully polished
- MS >> Brass
- MPV >> Brass fully polished
- ML >> Brass lacquered
- CR >> Chrome
- CP >> Polished Chrome
- CPV >> Chrome fully polished
- PS >> Patinated Black
- PB >> Patinated Brown



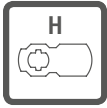
Example

- > STF locking direction with vertical cam and 2. key extracting position in open state B01

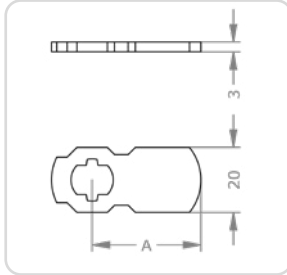


Sample illustration

4KS cam lock | Options

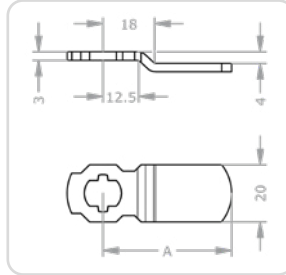


Horizontal EVVA locking cams for sheet metal panel boxes and display cabinets.



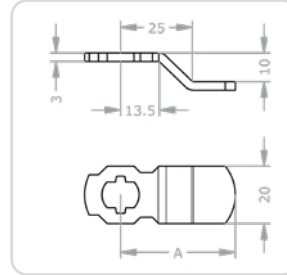
H72[A]

Cam length A in mm:
18 | 26 | 27 | 33 | 37 | 40 | +5 ... | 85



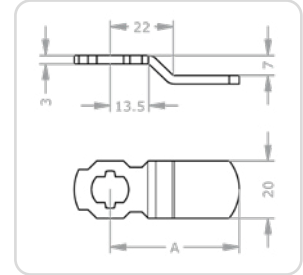
H87[A]

Cam length A in mm:
33 | 40 | 45 | 65



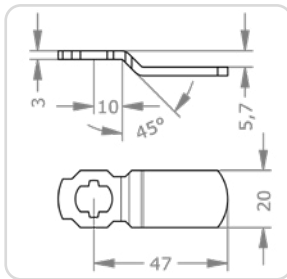
H92[A]

Cam length A in mm:
41 | 48 | 52



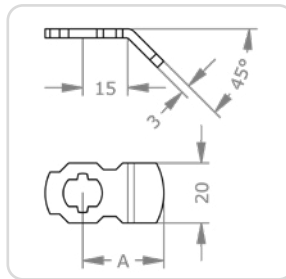
H95[A]

Cam length A in mm:
45 | 50



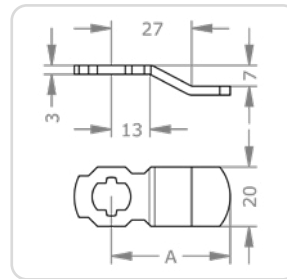
H98[A]

Cam length in mm:
47



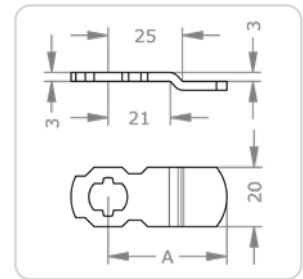
H89[A]

Cam length A in mm:
27



H91[A]

Cam length A in mm:
39 | 59 | 65

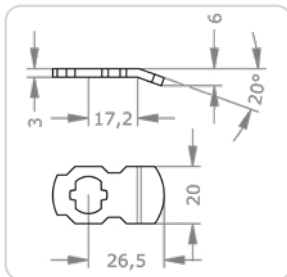


H97[A]

Cam length A in mm:
33 | 37 | 40 | 45 | 50 | 55 | 70

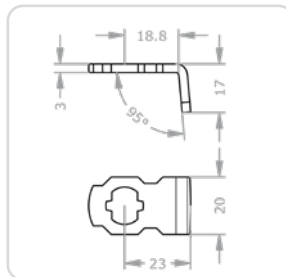


Vertical EVVA locking cams for sheet metal panel boxes and display cabinets.



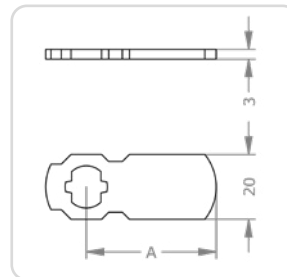
H6326

Cam length in mm:
26



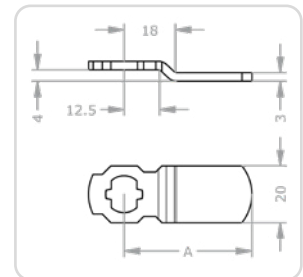
H6423

Cam length in mm:
23



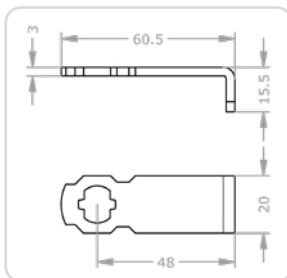
H73[A]

Cam length A in mm:
26 | 33 | 36 | 40 | +5 ... | 80



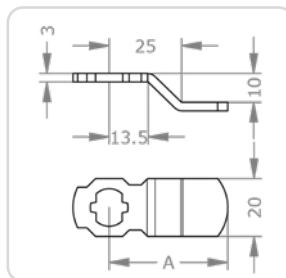
H88[A]

Cam length A in mm:
45 | 65



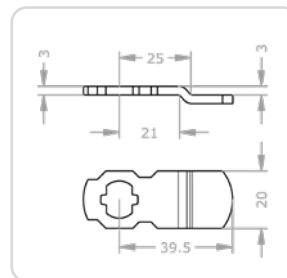
H9048

Cam length in mm:
48



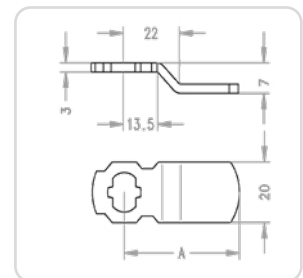
H94[A]

Cam length A in mm:
33 | 41 | 59



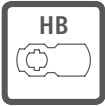
H9939

Cam length in mm:
39

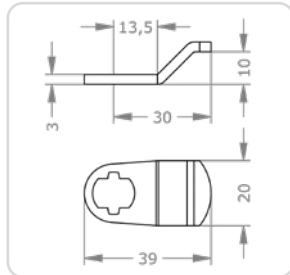


H96[A]

Cam length A in mm:
33 | 45 | 50

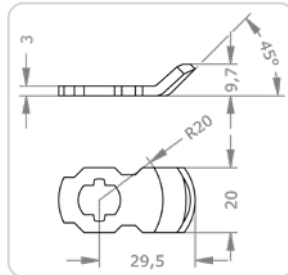


Horizontal EVVA locking cams for post boxes and other potential applications.



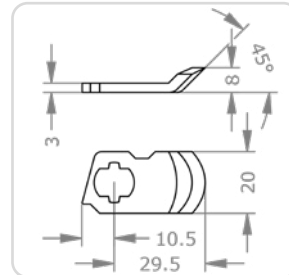
HB0230

Cam length in mm:
30



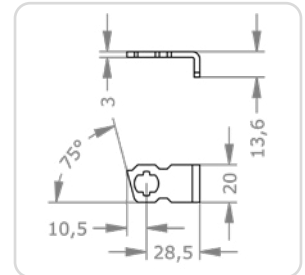
HB0329

Cam length in mm:
29



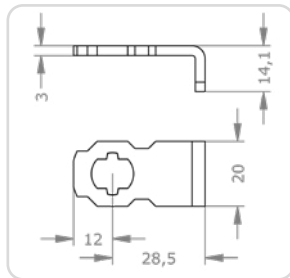
HB0429

Cam length in mm:
29



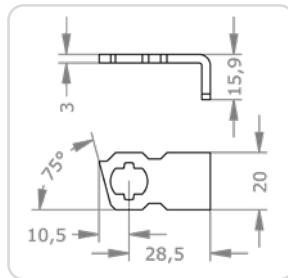
HB0628

Cam length in mm:
28



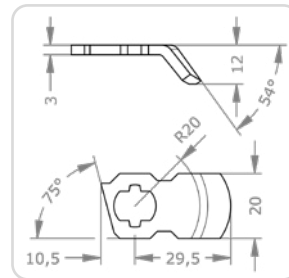
HB0728

Cam length in mm:
28



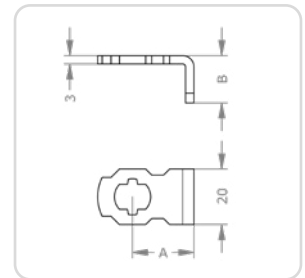
HB0828

Cam length in mm:
28



HB1029

Cam length in mm:
29



HB[A][B]

Cam length [A][B] in mm:
[22][14] | [22][17] | [22][22] |
[28][17] | [28][22]

4KS cam lock | Options

Illustrations and ordering examples are shown using various systems.



OSN – Without cam

No cam or locking cam is mounted on the cylinder.

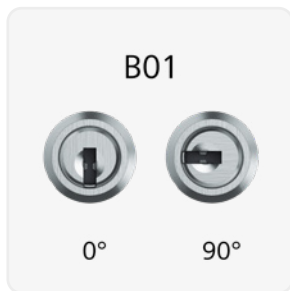
Product code	OSN
Ordering example for option	M.[System].HB.MB19.23.NI.OSN



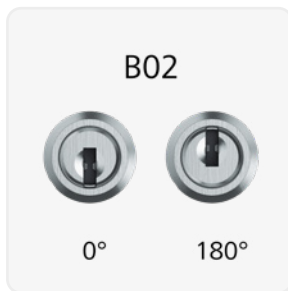
B[...] – 2 key extracting positions

Allows a key to be removed in a second key extracting position other than the insertion position.

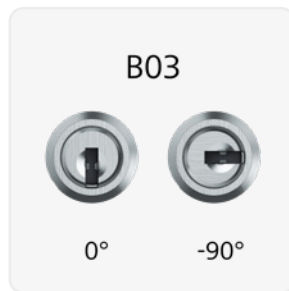
Variants	B01 – 2 key extracting positions 0°, 90° B02 – 2 key extracting positions 0°, 180° B03 – 2 key extracting positions 0°, -90° B12 – 2 key extracting positions 90°, 180° B13 – 2 key extracting positions 90°, -90° B23 – 2 key extracting positions 180°, -90°
Product code	B01, B02, B03, B12, B13, B23
Ordering example for option	M.[System].HB.MB19.23.NI.B01



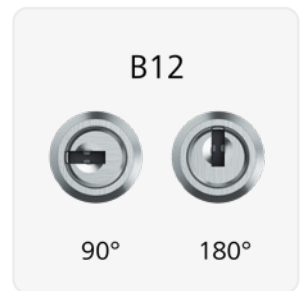
Symbolabbildung



Symbolabbildung



Symbolabbildung



Symbolabbildung



Sample illustration



Sample illustration



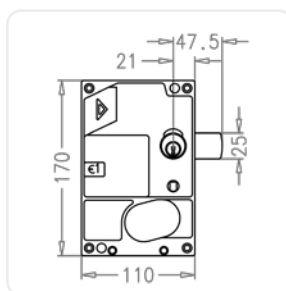
DPM[...] – Coin operated lock Depomat®

Coin operated lock suitable for 1-euro deposit insertion for left and right locker and cloakroom doors.

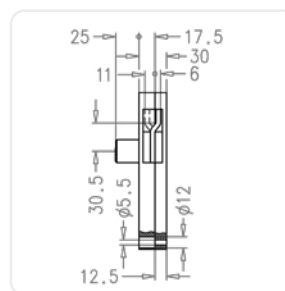
Variants	DPMLI1E – Depomat® DPM80 left 1 EUR DPMRE1E – Depomat® DPM80 right 1 EUR
Technical specifications	Lock case made of weatherproof plastic galvanised steel lock bolt coin return integrated in the lock
Product code	DPMLI1E, DPMRE1E
Ordering example for option	M.[System].HB.DPM25.39.NI.DPMLI1E
Ordering example for accessories	M.ZU.DPMLI1E



Symbol illustration DPMLI1E



DPMLI1E



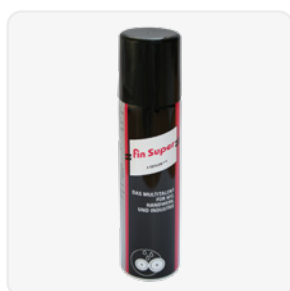
DPMLI1E



FIN[...] – Spray FinLube

Multi-purpose spray to clean, lubricate and protect.

Variants	0088002458 – Finlube 100ml 0088002431 – Finlube 300ml 0088002423 – Finlube 500ml
Product code	M.TE[0088002458, 0088002431, 0088002423]
Ordering example for accessories	M.TE.0088002431



Sample illustration

4KS cam lock | Options

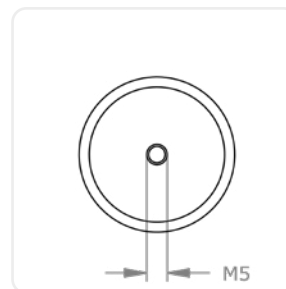
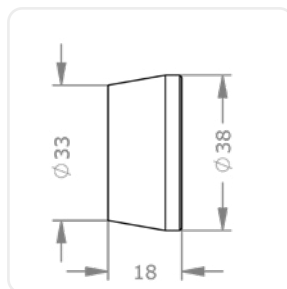
Illustrations and ordering examples are shown using various systems.



GKV – Door knob 38 mm for glass and furniture doors

For use in furniture doors as a blind thumbturn without cylinder cut-out.

Technical specifications	Suitable for GKMR
Product code	GKV
Ordering example for accessories	M.ZU.GKV



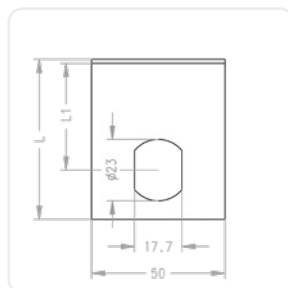
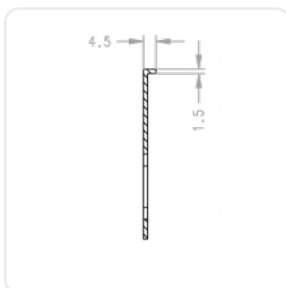
GTA[...] – Glass door plate wide

For use in glass showcases and glass door cabinets in combination with a cam locks.

Variants	GTA1 – Glass door plate 1 high GTA2 – Glass door plate 2 high GTA3 – Glass door plate 3 high GTA4 – Glass door plate 4 high GTA5 – Glass door plate 5 high GTA6 – Glass door plate 6 high
Product code	GTA1, GTA2, GTA3, GTA4, GTA5, GTA6
Ordering example for option	M.[System].HB.MB22.27.NI.GTA1
Ordering example for accessories	M.ZU.GTA1



Sample illustration GTA4



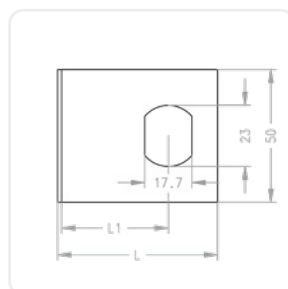
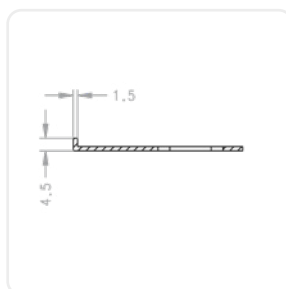
GTB[...] – Glass door plate high

For use in glass showcases and glass door cabinets in combination with a cam locks.

Variants	GTB1 – Glass door plate 1 wide GTB2 – Glass door plate 2 wide GTB3 – Glass door plate 3 wide GTB4 – Glass door plate 4 wide GTB5 – Glass door plate 5 wide GTB6 – Glass door plate 6 wide
Product code	GTB1, GTB2, GTB3, GTB4, GTB5, GTB6
Ordering example for option	M.[System].HB.MB22.27.NI.GTB1
Ordering example for accessories	M.ZU.GTB1



Sample illustration GTB4





LI – Left

Left version

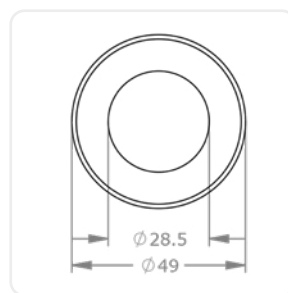
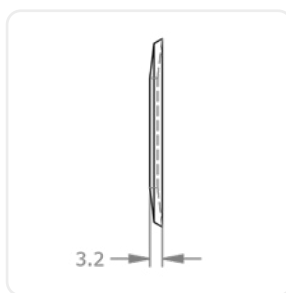
Product code	LI
Ordering example for option	M.[System].MZ.MR22.25.NI.3413.LI



R050 – Escutcheon 50 mm

Cylinder escutcheon with 50 mm outer diameter, 28 mm inner diameter.

Product code	R050
Ordering example for option	M.[System].HB.MB28ZB.27.NI.R050
Ordering example for accessories	M.ZU.R050



RE – Right

Right-hand version

Product code	RE
Ordering example for option	M.[System].MZ.MR22.25.NI.3413.RE



SEW – Sea water protection

Corrosion-susceptible cylinder parts are supplied with a special surface treatment. For cylinders exposed to more severe environmental influences.

Product code	SEW
Ordering example for option	M.[System].PZ.DZ-S.31/36.NI.SEW



Sample illustration

4KS cam lock | Options

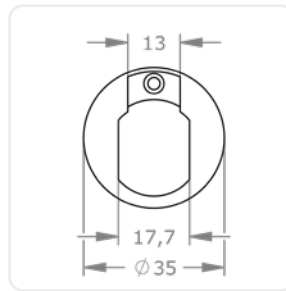
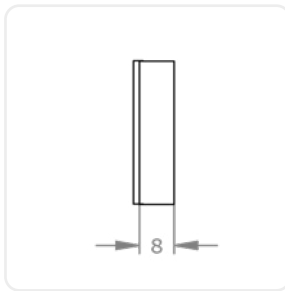
Illustrations and ordering examples are shown using various systems.



SR22 – Dust and weather protection cover

Escutcheon and cover to protect the cam lock from weather and dirt, outer diameter 35 mm, inner diameter 22 mm.

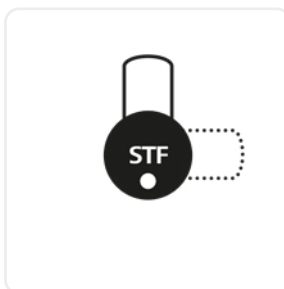
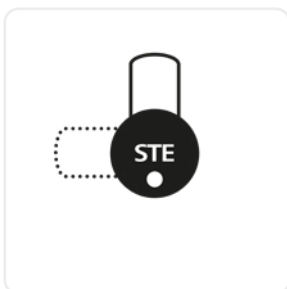
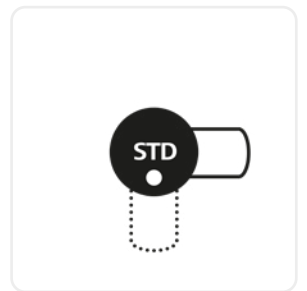
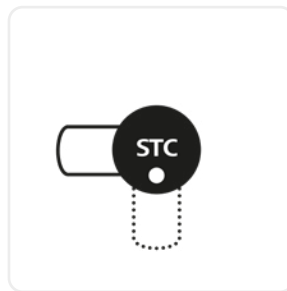
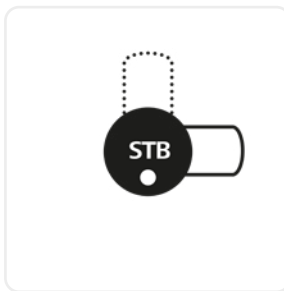
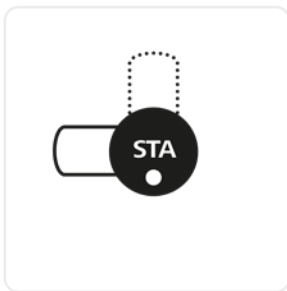
Product code	SR22
Ordering example for option	M.[System].HB.MB22.27.NI.SR22
Ordering example for accessories	M.ZU.SR22



ST[...] – Locking direction A-H

By specifying the locking direction, the cam movement is adapted to the installation situation.

Variants	STA – Locking direction from left to top STB – Locking direction from right to top STC – Locking direction from left to bottom STD – Locking direction from right to bottom STE – Locking direction from top to left STF – Locking direction from top to right STG – Locking direction from bottom to left STH – Locking direction from bottom to right
Product code	STA, STB, STC, STD, STE, STF, STG, STH
Ordering example for option	M.[System].HB.MB19.28.NI.STA

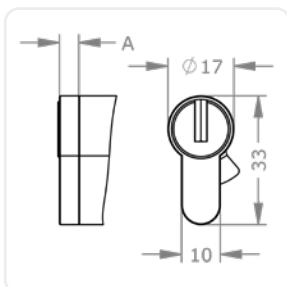




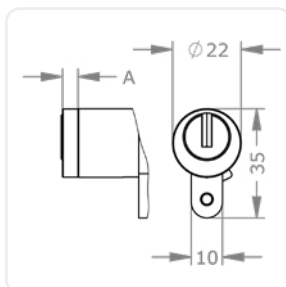
SW-[...] – Dust and weather cover

For applications in exposed locations and very dirty environments. Locking elements protect the keyway from contamination.

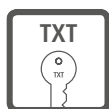
Technical specifications	FPS.PZ A=3,7 mm EPS.PZ A=3,7 mm ICS.PZ A=5,0 mm 4KS.PZ A=3,3 mm MCS.PZ A=5,2 mm
Product code	SW-A, SW-I, SW-B
Ordering example for option	M.[System].PZ.DZ-S.31/31.NI.SW-A



Sample illustration



Sample illustration



TXT – Customer-specific text

Numbering according to customer requirements in addition to system number and key/cylinder number.

Product code	TXT
Ordering example for option	M.[System].PZ.DZ-S.31/31.NI.TXT



Sample illustration



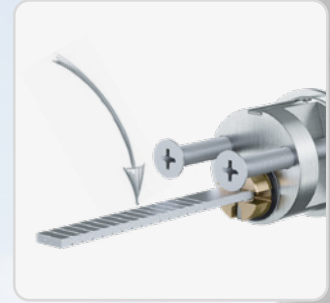
Rim cylinder, outside & inside cylinder



Additional security
Fits into a wide range of rim cylinder for rim locks.



Wide range of applications
Round cylinder for commonly used door lock types.



Easy to adapt
Versions and options for individual door thicknesses.

Keys

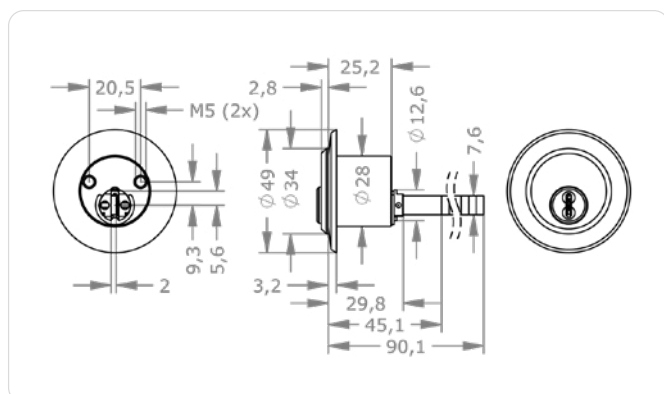
Profile cylinder

Padlocks

Cam lock

Rim cylinder, outside & inside cylinder

4KS rim cylinder | AZ28.AZ



Product description

The 4KS rim cylinder AZ28.AZ is suited for use on the outside of the door. It is equipped with vertical tail bars for surface-mounted locks, fits a hole pattern larger than 28 mm and is fastened with

pull-through screws on the back. Application examples are EVVA rim locks from the K900 series and various surface mounted locks.

Technical information

Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Optional technical installation feature	K900[...] – Security rim lock K900 K9000[...] – Security rim lock K9000 R060 – Escutcheon 60 mm SPV – Twisted tail bar
Door leaf thickness options	TS66 – Door thickness 57 up to 66 mm TS76 – Door thickness 67 up to 76 mm TS86 – Door thickness 77 up to 86 mm
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For use with EVVA rim locks from the K900/9000 series up to door leaf thickness 56 mm
Included components	Cylinder lock with escutcheon and 2 M5×40 fixing screws

Application examples



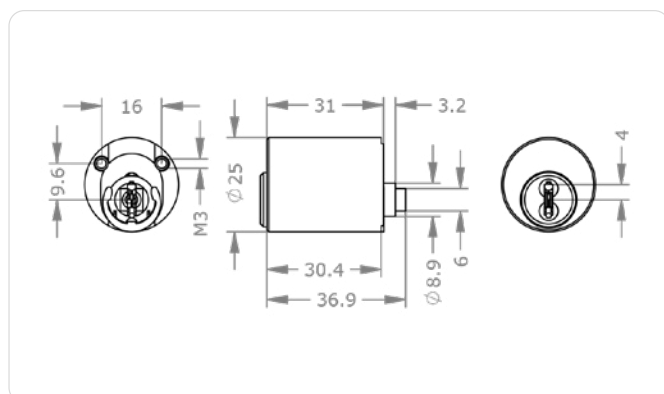
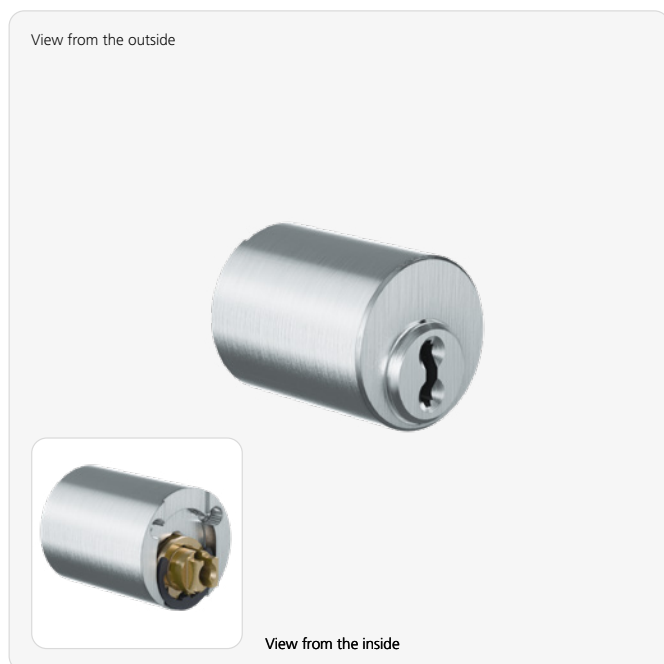
Security squared

Ideal in combination with EVVA rim locks K900 and K9000. Can also be used with locks from other manufacturers.

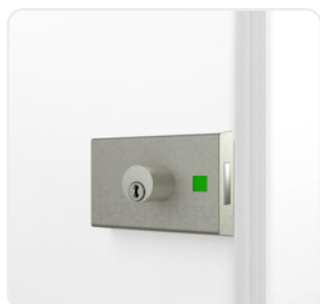
Ordering

Product code	M.4KS.AI.AZ28.AZ.[Finish].[Option]
Example	4KS rim cylinder AZ, nickel plated finish with escutcheon 60 mm diameter: M.4KS.AI.AZ28.AZG.NI.R060

4KS inside cylinder | IZ25.IZ



Application examples



Security squared

Ideal in combination with EVVA rim locks from the K920 series.

Product description

The 4KS inside cylinder IZ25.IZ is suitable for use on the inside of wood and metal frame doors. It is equipped with a 6 mm cam bar for surface-mounted locks, fits a hole pattern larger than

25 mm and is fastened with threaded holes on the back. Application examples are EVVA rim locks from the K920 series and various surface mounted locks.

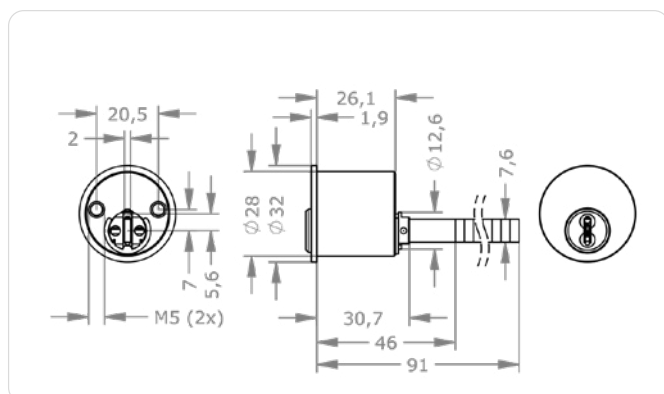
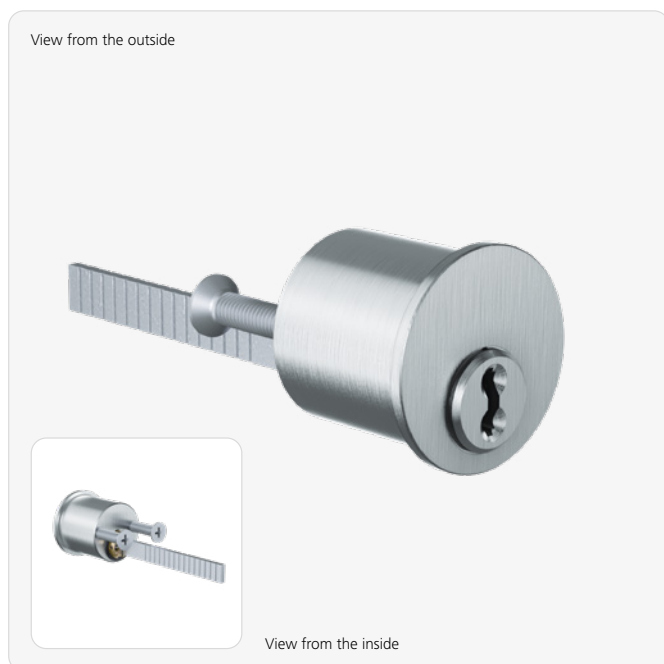
Technical information

Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	Installation together with security rim lock K920
Included components	Cylinder lock

🛒 Ordering

Product code	M.4KS.AI.IZ25.IZ.[Finish].[Option]
Example	4KS inside cylinder for EVVA rim locks, nickel plated finish with K920: M.4KS.AI.IZ25.IZ.NI.K920

4KS rim cylinder | AZ28.AZG



Product description

The 4KS rim cylinder AZ28.AZG is suited for use on the outside of the door. It is equipped with vertical tail bars for surface-mounted locks, fits a hole pattern larger than

28 mm and is fastened with pull-through screws on the back. Application examples are rim locks and surface mounted locks.

Technical information

Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Optional technical installation feature	SPV – Twisted tail bar
Door leaf thickness options	TS66 – Door thickness 57 up to 66 mm TS76 – Door thickness 67 up to 76 mm TS86 – Door thickness 77 up to 86 mm
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For use in rim locks from other manufacturers up to door leaf thickness 56 mm
Included components	Cylinder with 2 M5x40 fixing screws

Application examples



Door open, door closed

This cylinder is used to secure garage doors, etc.



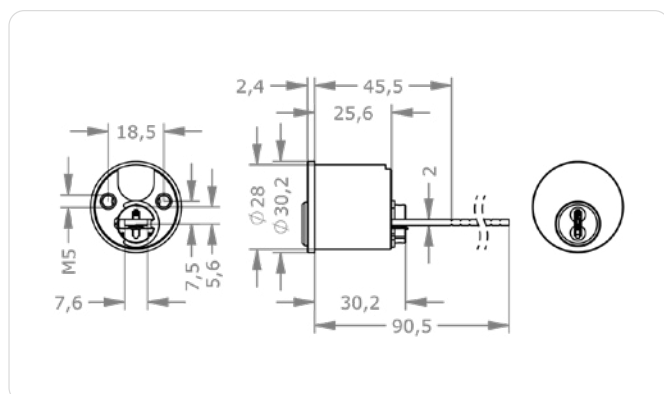
Full-leaf doors

This special outer cylinder is also used to provide additional security for doors.

Ordering

Product code	M.4KS.AI.AZ28.AZG.[Finish].[Option]
Example	4KS rim cylinder AZG, nickel plated finish with escutcheon: M.4KS.AI.AZ28.AZG.NI.ROU

4KS rim cylinder | AZ28.AZI



Application examples



Security squared

This rim cylinder fits ABUS® rim locks.

Product description

The 4KS rim cylinder AZ28.AZI is suitable for use on the outside of the door. It is equipped with a horizontal tail bar for surface-mounted locks, fits a hole pattern larger

than 28 mm and is secured on the rear side with through-hole screws. Application examples are rim locks and surface mounted locks.

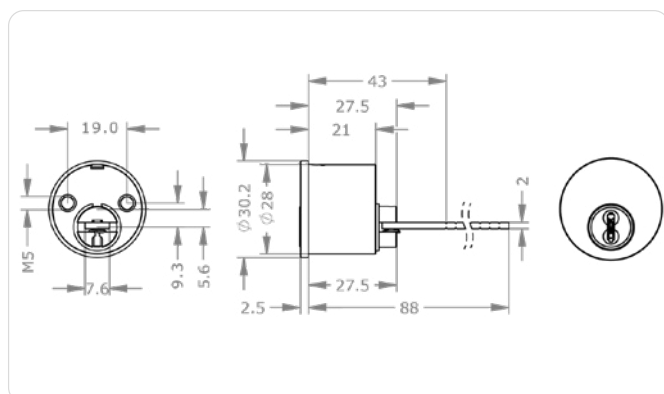
Technical information

Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Optional security features	KZ-A – Increased plug pulling and drilling protection outside SKG3-A – SKG *** certified outside
Optional technical installation feature	APA – Fixing plate ABUS® GWB6 – 1 thread M6 ROA – Escutcheon ABUS® ROSKG – Escutcheon SKG
Door leaf thickness options	TS66 – Door thickness 57 up to 66 mm TS76 – Door thickness 67 up to 76 mm TS86 – Door thickness 77 up to 86 mm
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Standards and guidelines	Option SKG***
Technical installation situation	In combination with ABUS® rim locks up to door leaf thickness 56 mm
Included components	Cylinder with 2 M5x40 fixing screws (optional GWB6 M6x40)

Ordering

Product code	M.4KS.AI.AZ28.AZI.[Finish].[Option]
Example	4KS rim cylinder for ABUS rim locks, nickel plated finish with fixing plate: M.4KS.AI.AZ28.AZI.NI.APA

4KS rim cylinder | AZ28.AZL



Product description

The 4KS rim cylinder AZ28.AZL is suitable for use on the outside of the door. It is equipped with a horizontal tail bar for surface mounted locks, fits a hole pattern larger than

32 mm and is secured on the rear side with eyelet screws. Application examples are LIPS® rim locks and surface mounted locks.

Technical information

Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Door leaf thickness options	TS66 – Door thickness 57 up to 66 mm TS76 – Door thickness 67 up to 76 mm TS86 – Door thickness 77 up to 86 mm
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For use in rim locks from other manufacturers up to door leaf thickness 56 mm
Included components	Cylinder lock with 2 M5x40 fixing screws

Application examples



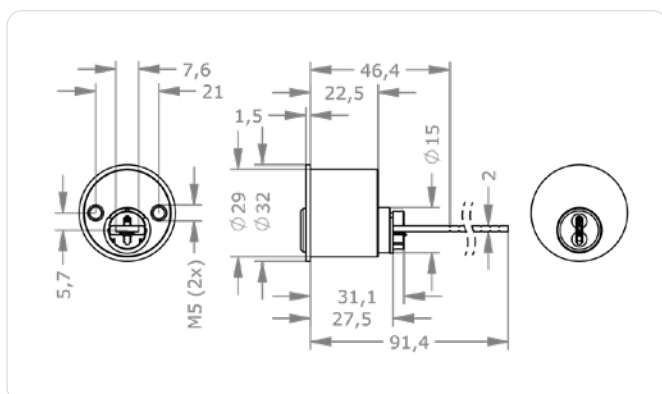
Any way you like it

Whatever supplementary lock is used, this rim cylinder represents the secure protection of every door.

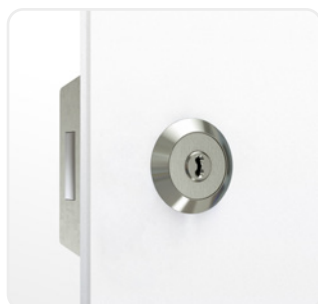
Ordering

Product code	M.4KS.AI.AZ28.AZL.[Finish].[Option]
Example	4KS rim cylinder diameter 28 mm Type AZL, nickel plated finish with Vario: M.4KS.AI.AZ28.AZL.NI.VAR

4KS rim cylinder | AZ29AMB



Application examples



Security squared

Whatever supplementary lock is used, this rim cylinder represents the secure protection of every door.

Product description

The 4KS rim cylinder AZ29AMB is suitable for use on the outside of the door. It is equipped with a horizontal tail bar for surface mounted locks, fits a hole pattern larger than 29 mm and is secured on the rear side with throughhole screws. Potential applications are rim locks and surface mounted locks.

Technical information

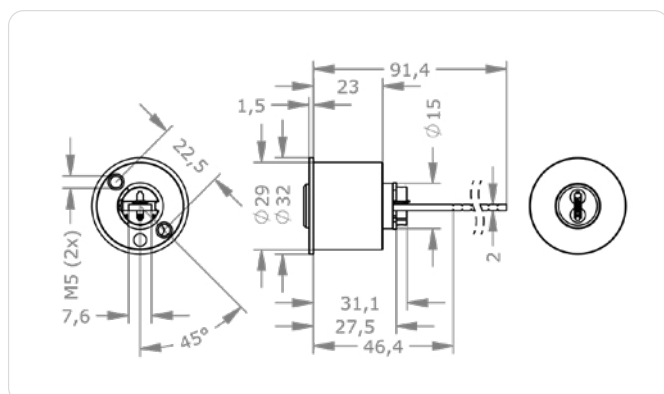
Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Optional technical installation feature	HU38 – Spacer sleeve length 38,5 mm
Door leaf thickness options	TS66 – Door thickness 57 up to 66 mm TS76 – Door thickness 67 up to 76 mm TS86 – Door thickness 77 up to 86 mm
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	In combination with rim locks with horizontal tail bar mount up to door leaf thickness 56 mm
Included components	Rim cylinder with 2 M5x40 fixing screws

Ordering

Product code	M.4KS.AI.AZ29.AMB.[Finish].[Option]
Example	4KS rim cylinder diameter 29 mm (AZG sleeve) with excentric drilling and horizontal tail bar, nickel plated finish: M.4KS.AI.AZ29.AMB.NI.HU38

Keys
 Profile cylinder
 Padlocks
 Cam lock
 Rim cylinder, outside & inside cylinder

4KS rim cylinder | AZ29.MB



Product description

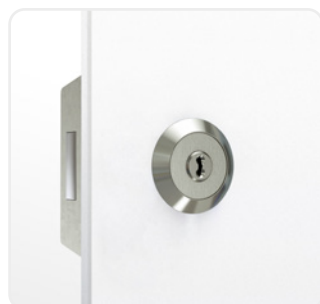
The 4KS rim cylinder AZ29.MB suitable for use on the outside of the door. It is equipped with a horizontal tail bar for surface mounted locks, fits a hole

pattern larger than 29 mm and is secured on the rear side with throughhole screws. Potential applications are rim locks and surface mounted locks.

Technical information

Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Optional technical installation feature	HU38 – Spacer sleeve length 38,5 mm
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For use in various rim locks with horizontal tail bar mount up to door leaf thickness 76 mm
Included components	Rim cylinder with 2 M5×60 fixing screws

Application examples



Security squared

Whatever supplementary lock is used, this rim cylinder represents the secure protection of every door.



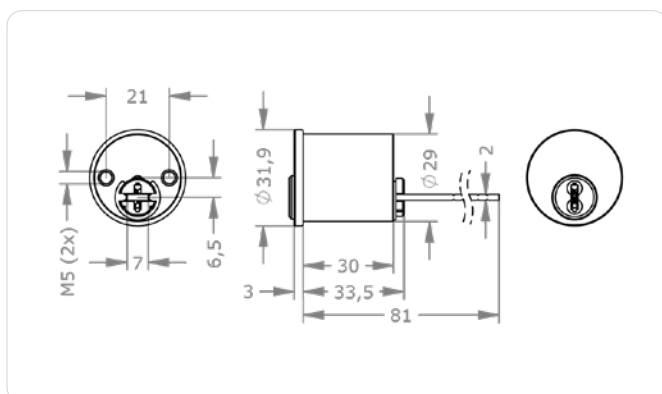
Door open, door closed

Among other things, this cylinder is perfect for securing garage doors.

Ordering

Product code	M.4KS.AI.AZ29.MB.[Finish].[Option]
Example	4KS rim cylinder, diameter 29 mm (AZG sleeve) with centred drilling, nickel plated finish: M.4KS.AI.AZ29.MB.NI.HU38

4KS rim cylinder | AZ29.I050



Application examples



Security squared

This rim cylinder is suitable for IKON® rim locks.

Product description

The 4KS rim cylinder AZ29.I050 is suitable for use on the outside of the door. It is equipped with a horizontal tail bar for surface mounted locks, fits a hole pattern larger than 29 mm and is secured on the rear side with throughhole screws. Potential applications are rim locks and surface mounted locks.

Technical information

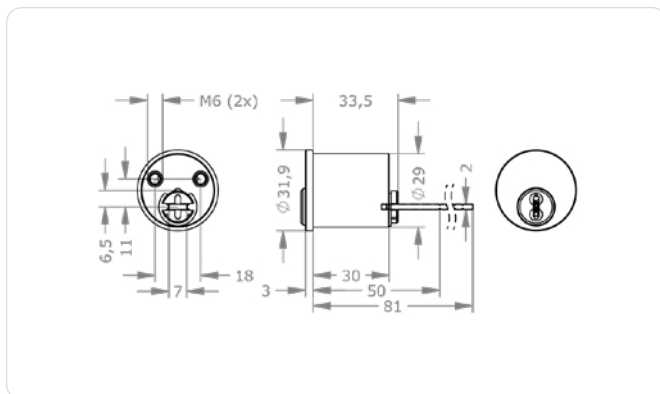
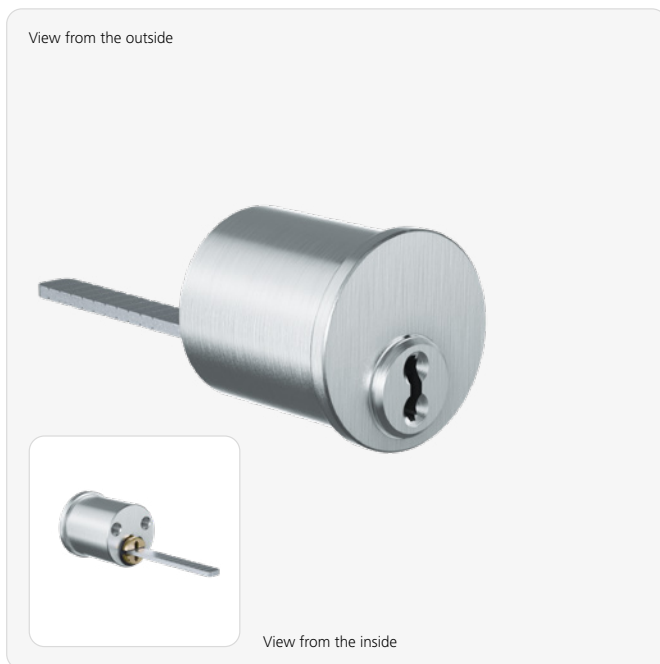
Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Optional technical installation feature	ROI – Escutcheon IKON®
Door leaf thickness options	TS66 – Door thickness 57 up to 66 mm TS76 – Door thickness 67 up to 76 mm TS86 – Door thickness 77 up to 86 mm
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For use in IKON® rim locks up to door leaf thickness 56 mm
Included components	With escutcheon, tail bar and 2 fixing screws M5x40

Ordering

Product code	M.4KS.AI.AZ29.I050.[Finish].[Option]
Example	4KS rim cylinder for Ikon rim locks type 50, nickel plated finish with escutcheon: M.4KS.AI.AZ29.I050.NI.ROI

Keys
 Profile cylinder
 Padlocks
 Cam lock
 Rim cylinder, outside & inside cylinder

4KS rim cylinder | AZ29.1063



Application examples



Security squared

This rim cylinder is suitable for IKON® rim locks.

Product description

The 4KS rim cylinder AZ29.1063 is suitable for use on the outside of the door. It is equipped with a horizontal tail bar for surface mounted locks, fits a hole pattern larger

than 29 mm and is secured on the rear side with throughhole screws. Potential applications are rim locks and surface mounted locks.

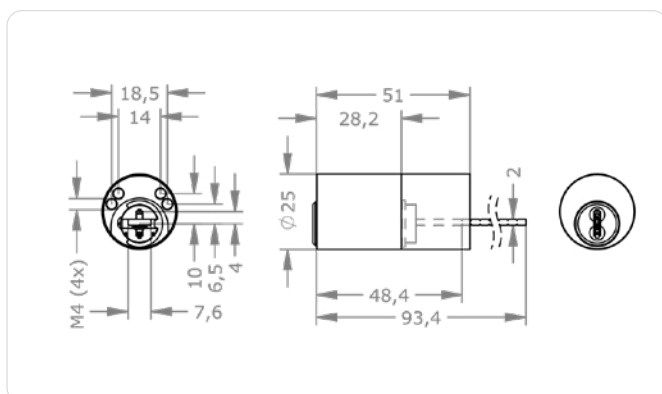
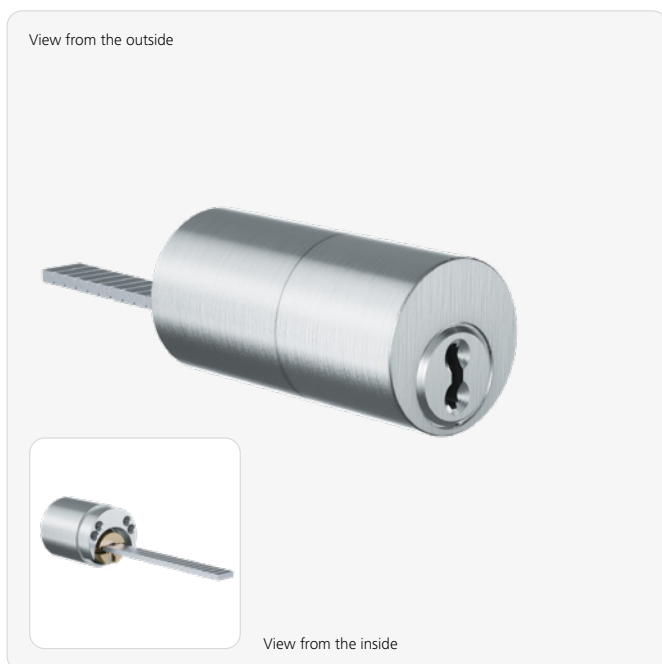
Technical information

Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Optional technical installation feature	API63 – Fixing plate IKON® 4063 R01 – Escutcheon IKON®
Door leaf thickness options	TS56 – Door thickness 46 up to 56 mm TS66 – Door thickness 57 up to 66 mm TS76 – Door thickness 67 up to 76 mm TS86 – Door thickness 77 up to 86 mm
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For use in IKON® rim locks up to door leaf thickness 45 mm
Included components	With escutcheon, tail bar and 2 fixing screws M6x28

Ordering

Product code	M.4KS.AI.AZ29.1063.[Finish].[Option]
Example	4KS rim cylinder for Ikon rim locks type 63, nickel plated finish with fixing plate and escutcheon: M.4KS.AI.AZ29.1063.NI.API63.R01

4KS rim cylinder | AZ25.FP



Application examples



Garden gate

This rim cylinder has been specially developed for use in lattice doors and garden gates.

Product description

The 4KS outside cylinder AZ25.FP is suitable for use in front doors and entrances to residential complexes. It is equipped with a tail bar for surface mounted locks, fits a

hole pattern larger than 25 mm and is secured on the rear side with eyelet screws. Application examples are doors with CISA® locks.

Technical information

Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For use on the outside, fastened from the rear using screws
Included components	Cylinder lock without screws, with tail bar and sleeve

Keys

Profile cylinder

Padlocks

Cam lock

Rim cylinder, outside & inside cylinder

Ordering

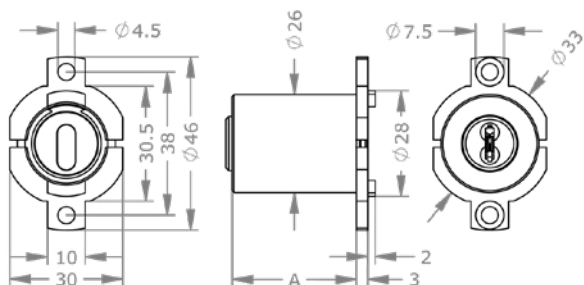
Product code	M.4KS.AI.AZ25.FP.[Finish].[Option]
Example	4KS rim cylinder, 25 mm diameter, nickel plated finish, with Vario: M.4KS.AI.AZ25.FP.NI.VAR

4KS surface mounted lock | MR26F

View from the outside



View from the inside



Product description

The 4KS surface mounted lock MR26F is suitable for use in doors. It is equipped with vertical cam bar for mortise locks and fits a hole pattern

larger than 26 mm. Fastened with screw-on tabs. Suitable for installation in Fichet® locks.

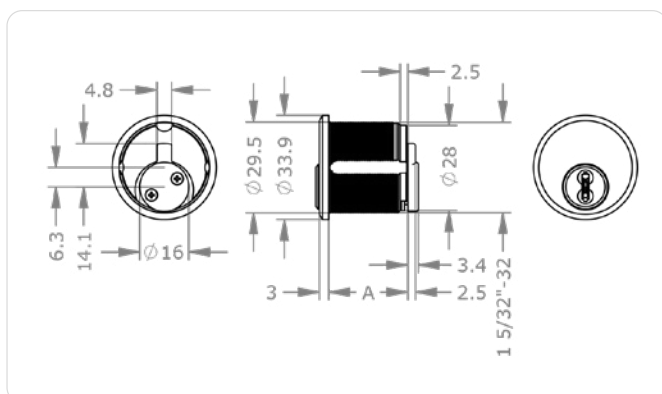
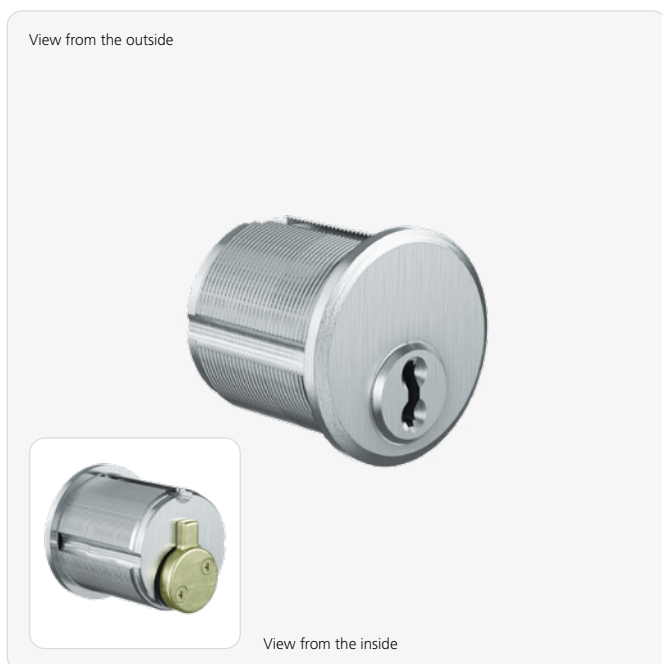
Technical information

Cylinder length on the outside A in mm	33 51 60 80
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	Suitable for installation in Fichet® locks
Included components	Cylinder lock

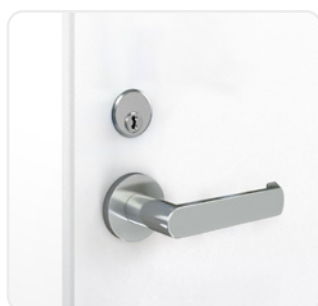
Ordering

Product code	M.4KS.AI.MR26F.[Outside cylinder length A in mm]. [Finish]
Example	4KS surface mounted cylinder Fichet, length 33 mm, nickel plated finish: M.4KS.AI.MR26F.33.NI

4KS mortise screw-in cylinder | AZ30RM



Application examples



Firmly locked

This mortise cylinder is ideal for use in specially designed bolt locks.

Product description

The 4KS mortise screw-in cylinder AZ30RM is suitable for use on the outside of the door. It is equipped with cam bar for mortise locks, it fits

an internal thread of 1 5/32" and is fastened by screwing it into the lock. Examples of applications are mortise locks.

Technical information

Cylinder length on the outside A in mm	25 29
Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Optional technical installation feature	OSN – Without cam GLIP – For LIPS® cam GM0N – For Monarch® cam GYAL – For Yale® cam
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	Suitable for locks with screw-in fastening of the cylinder
Included components	Cylinder lock with Adams Rite® cam

Keys

Profile cylinder

Padlocks

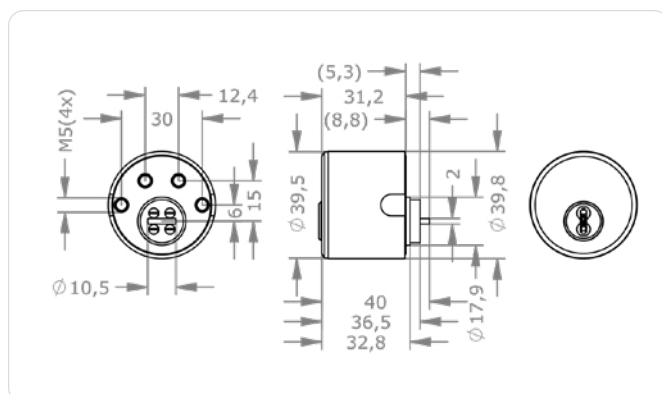
Cam lock

Rim cylinder, outside & inside cylinder

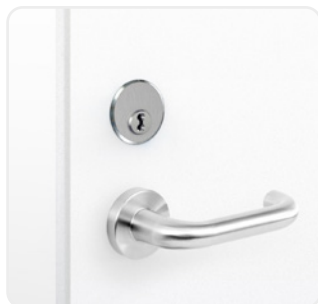
Ordering

Product code	M.4KS.AI.AZ30RM.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS mortise screw-in cylinder, length 29 mm, nickel plated finish, designed for LIPS cam: M.4KS.AI.AZ30RM.29.NI.GLIP

4KS outside cylinder | AZ37.SEC



Application examples



Security in the High North

This cylinder is ideal for external doors with Scandinavian locks and guarantees mechanical security.

Standards and guidelines



Product description

The 4KS outside cylinder AZ37.SEC is suitable for use on the outside of doors. It is equipped with horizontal cam bar for mortise locks, fits a hole pattern larger than 40

mm and is fastened with rear throughhole screws. As an example, they can be used in Scandinavian mortise locks.

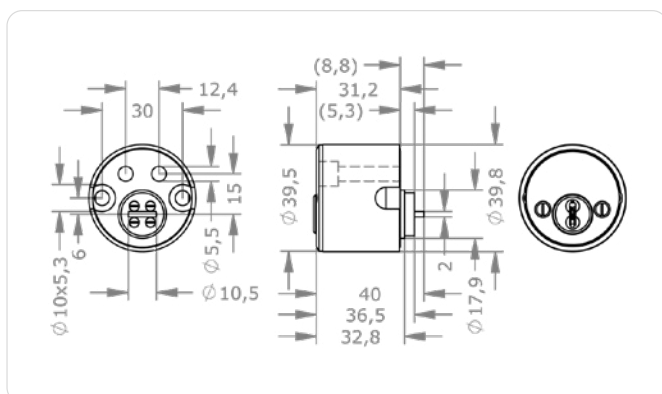
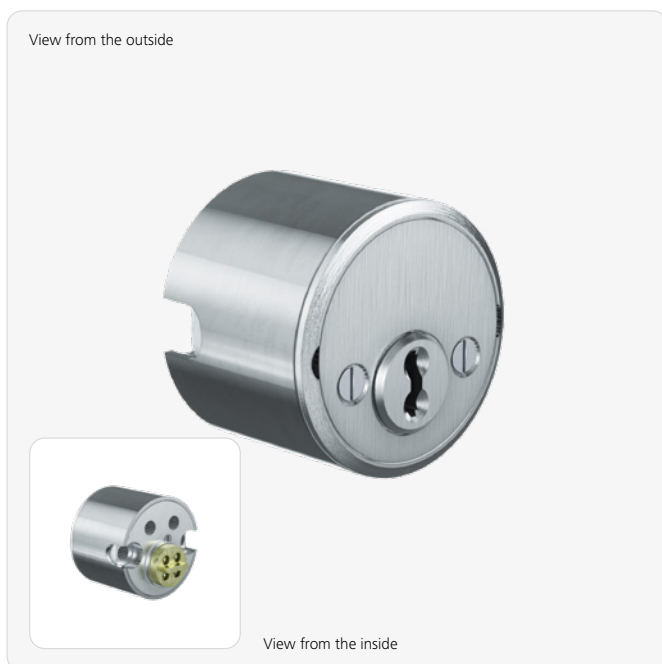
Technical information

Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Cylinder length on the outside A in mm	31
Security features	Locking authorisation query in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling 4-fold screwed
Standards and guidelines	SS 3522 Category 3 ¹
Technical installation situation	Suitable for Scandinavian locks with high security requirements in combination with the IZ37.SEC for 4-fold screw fastening on the rear side
Included components	Cylinder lock with tail bar

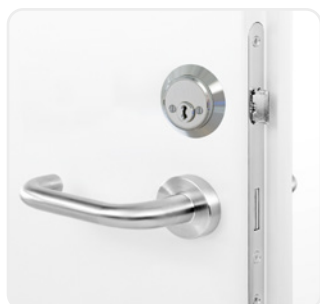
Ordering

Product code	M.4KS.AI.AZ37.SEC.[Finish]
Example	4KS outside cylinder 40 mm diameter, nickel plated finish: M.4KS.AI.AZ37.SEC.NI

4KS inside cylinder | IZ37.SEC



Application examples



Security in the High North

This cylinder is ideal for the inside of external doors with Scandinavian locks. Maximum security is guaranteed.

Product description

The 4KS inside cylinder IZ37.SEC is suitable for use on the inside of the door. It is equipped with horizontal cam bar for mortise locks, fits a hole pattern larger than

40 mm and is fastened with pull-through-hole screws. Examples of applications are Scandinavian mortise locks.

Technical information

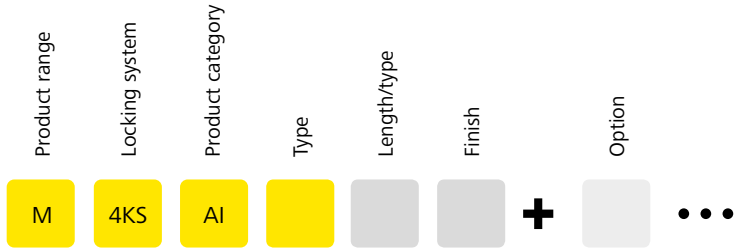
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Cylinder length on the outside A in mm	31
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	Suitable for Scandinavian locks in combination with AZ37.SEC for 4-fold screw connections on the rear
Included components	Cylinder lock with cylinder cover and cover plate screws

Ordering

Product code	M.4KS.AI.IZ37.SEC.[Finish]
Example	4KS Inside cylinder, 40 mm diameter, nickel plated finish: M.4KS.AI.IZ37.SEC.NI

Rim cylinder, outside & inside cylinder

4KS rim/outside/inside cylinder | Versions



Hole pattern
 << Cylinder for rim locks

28 mm		AZ28	AZ
28 mm		AZ28	AZG
28 mm		AZ28	AZI
28 mm		AZ28	AZL
29 mm		AZ29	AMB
29 mm		AZ29	MB
29 mm		AZ29	I050
29 mm		AZ29	I063

Hole pattern
 << Cylinder for internally lockable rim locks

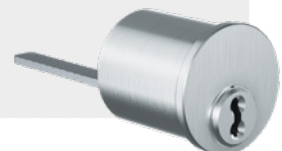
25 mm		IZ25	IZ
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Ensure that the tail bar is correctly aligned

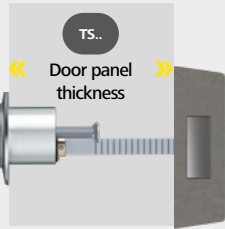
Tail bar width 5 mm, height 3 mm

- Horizontal
- Vertical



Door leaf thickness options

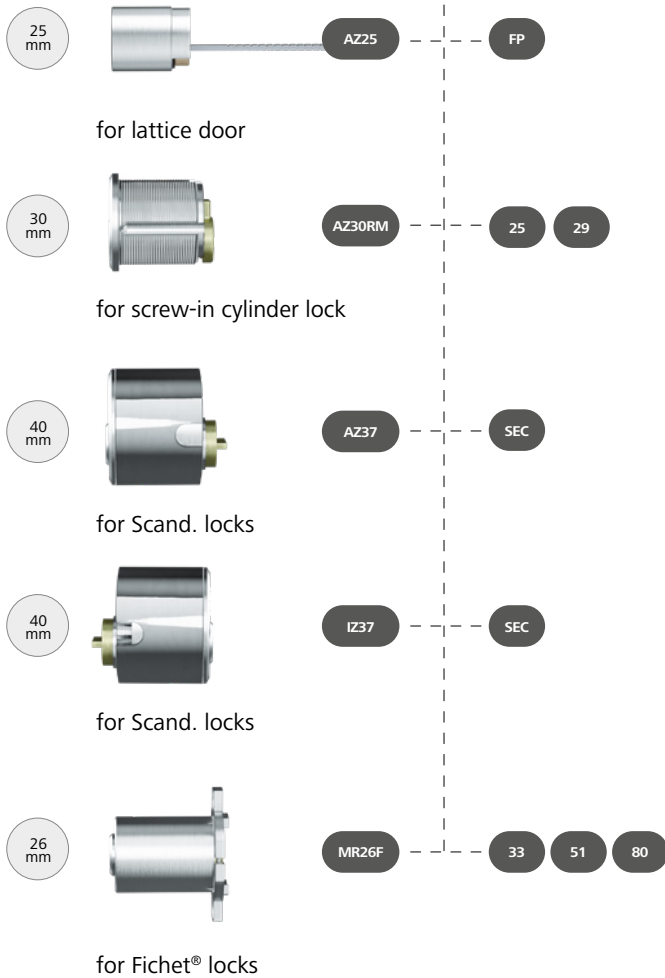
› For door leaf thicknesses that exceed the standard range.



- TS56 ›› For a door panel thickness of 47–56 mm
- TS66 ›› For a door panel thickness of 57–66 mm
- TS76 ›› For a door panel thickness of 67–76 mm
- TS86 ›› For a door panel thickness of 77–86 mm

Hole pattern

Cylinder for door locks



- NI ›› Nickel (standard)
- MP ›› Polished Brass lacquered
- NP ›› Polished Nickel
- NPV ›› Nickel fully polished
- MS ›› Brass
- MPV ›› Brass fully polished
- ML ›› Brass lacquered
- CR ›› Chrome
- CP ›› Polished Chrome
- CPV ›› Chrome fully polished
- PS ›› Patinated Black
- PB ›› Patinated Brown

4KS rim/outside/inside cylinder | Options & Accessories

Illustrations and ordering examples are shown using various systems.



OSN – Without cam

No cam or locking cam is mounted on the cylinder.

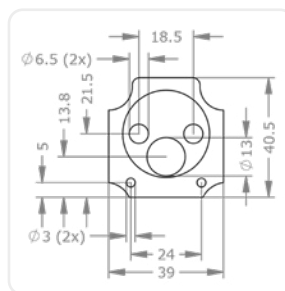
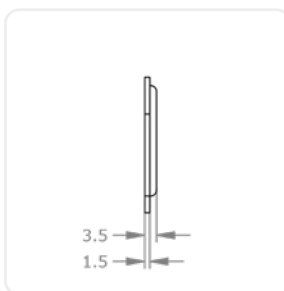
Product code	OSN
Ordering example for option	M.[System].HB.MB19.23.NI.OSN



APA – Fixing plate ABUS®

Screw-on plate APA for fastening outside cylinders to the outside of the door.

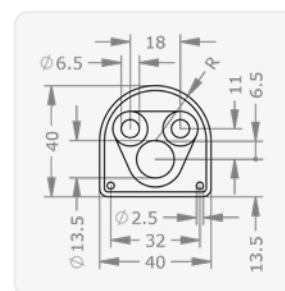
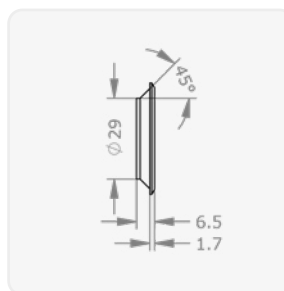
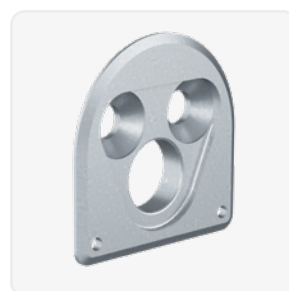
Product code	APA
Ordering example for option	M.[System].AI.AZ28.AZI.NI.APA
Ordering example for accessories	M.ZU.APA



API63 – Fixing plate IKON® 4063

Screw-on plate API63 for fastening outside cylinders to the door.

Product code	API63
Ordering example for option	M.[System].AI.AZ29.I063.NI.API63
Ordering example for accessories	M.ZU.API63





FIN[...] – Spray FinLube

Multi-purpose spray to clean, lubricate and protect.

Variants 0088002458 – Finlube 100ml | 0088002431 – Finlube 300ml | 0088002423 – Finlube 500ml

Product code M.TE[0088002458, 0088002431, 0088002423]

Ordering example for accessories M.TE.0088002431



Sample illustration

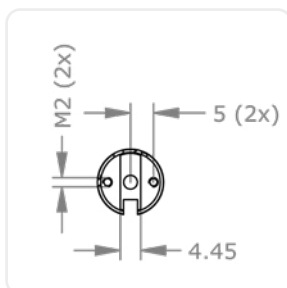


GLIP – For LIPS® cam

The plug end is prepared for installation of a LIPS® cam on mortise cylinders.

Product code GLIP

Ordering example for option M.[System].AI.AZ30RM.22.NI.GLIP

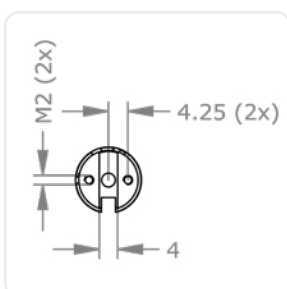


GMON – For Monarch® cam

The plug end is prepared for installation of a Monarch® cam on mortise cylinders.

Product code GMON

Ordering example for option M.[System].AI.AZ30RM.22.NI.GMON



4KS rim/outside/inside cylinder | Options & Accessories

Illustrations and ordering examples are shown using various systems.



GWB6 – 1 thread M6

Instead of the standard M5 threaded bore, the outside cylinder is designed with the M6 threaded bore.

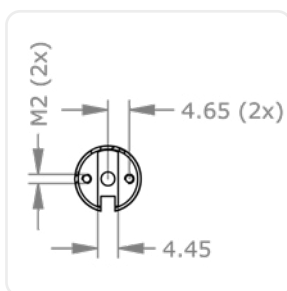
Product code	GWB6
Ordering example for option	M.[System].AI.AZ28.AZI.NI.GWB6



GYAL – For Yale® cam

The plug end is prepared for installation of a Yale® cam on mortise cylinders.

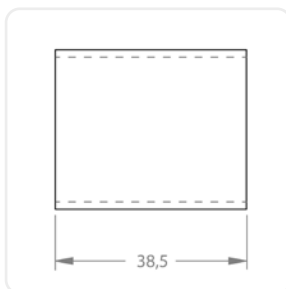
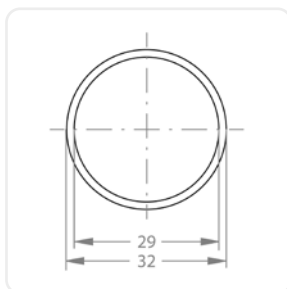
Product code	GYAL
Ordering example for option	M.[System].AI.AZ30RM.22.NI.GYAL



HU38 – Spacer sleeve length 38,5 mm

Spacer sleeve for outside cylinder with 29 mm diameter.

Product code	HU38
Ordering example for option	M.[System].AI.AZ29.AZ.NI.HU38
Ordering example for accessories	M.ZU.HU38





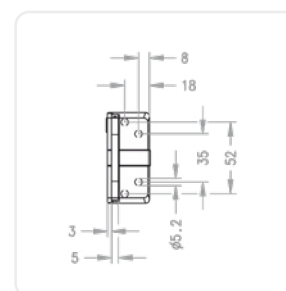
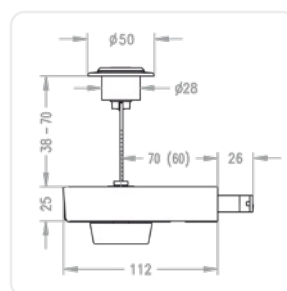
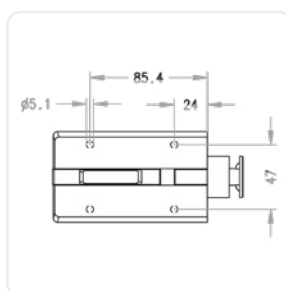
K900[...] – Security rim lock K900

This supplementary security lock increases the security of every entrance door. Suitable for inward opening left and right solid leaf doors. It can be operated from the outside with a key.

Variants	K900SI – Rim lock K900 Silver K900G0 – Rim lock K900 Gold K900BZ – Rim lock K900 Bronze K900WS – Rim lock K900 White
Technical specifications	Integrated telescopic door catcher for gap opening Red-green function display for open/gap opening/locked turning olive on the inside 2-turn 70 mm backset fastening material for wooden and metal frames for door thickness 38–70 mm rebate thickness 24 mm
Included components	Supplementary security lock with lock case Base plates: 4 x 1 mm, 2 x 5 mm, 1 x 10 mm Fasteners
Product code	K900SI, K900G0, K900BZ, K900WS
Ordering example for option	M.[System].AI.AZ28.AZ.NI.K900SI
Ordering example for accessories	M.ZU.K900SI



K900SI



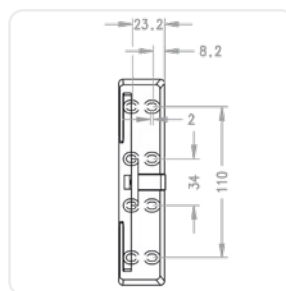
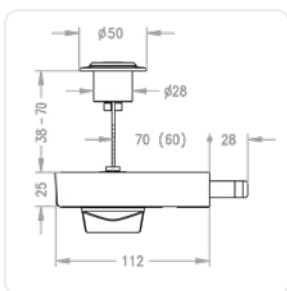
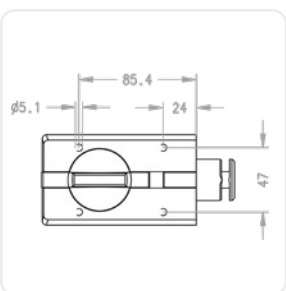
K9000[...] – Security rim lock K9000

This supplementary security lock increases the security of every entrance door. Suitable for inward opening left and right solid leaf doors. It can be operated from the outside with a key.

Variants	K9000SI – Rim lock K9000 Aluminium K9000G0 – Rim lock K9000 Gold K9000BZ – Rim lock K9000 Bronze K9000WS – Rim lock K9000 White
Technical specifications	Integrated telescopic door catcher for wide opening Red-green function display, green = open, red/green = gap opening, red = locked opening on the inside by turning olive 2-turn 70 mm backset fastening material for wood and metal frames door thickness for 38–70 mm rebate thickness 24 mm
Included components	Supplementary security lock with lock case Base plates: 4 x 1 mm, 2 x 5 mm, 1 x 10 mm Fasteners
Product code	K9000SI, K9000G0, K9000BZ, K9000WS
Ordering example for option	M.[System].AI.AZ28.AZ.NI.K9000SI
Ordering example for accessories	M.ZU.K9000SI



K9000WS



4KS rim/outside/inside cylinder | Options & Accessories

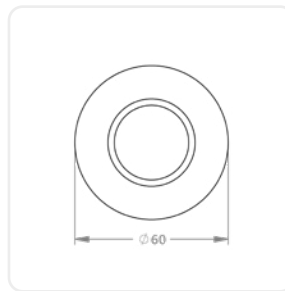
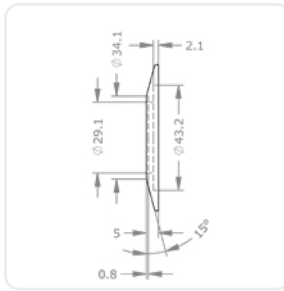
Illustrations and ordering examples are shown using various systems.



R060 – Escutcheon 60 mm

Cylinder escutcheon with 60 mm outer diameter, 29 mm inner diameter.

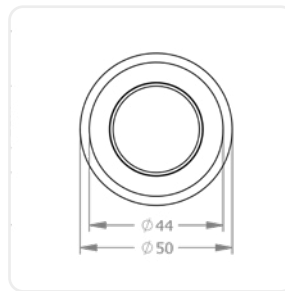
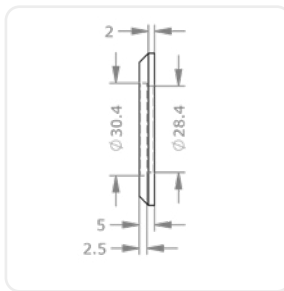
Product code	R060
Ordering example for option	M.[System].AI.AZ28.AZ.NI.R060
Ordering example for accessories	M.ZU.R060



R0A – Escutcheon ABUS®

Cylinder escutcheon for outside cylinder in combination with APA fixing plate ABUS®, outer diameter 50 mm, inner diameter 28 mm.

Product code	R0A
Ordering example for option	M.[System].AI.AZ28.AZI.NI.R0A
Ordering example for accessories	M.ZU.R0A

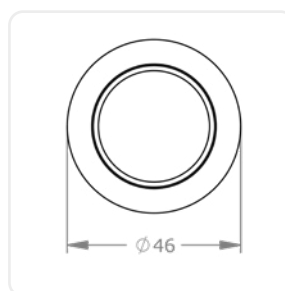
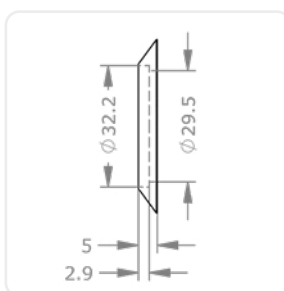
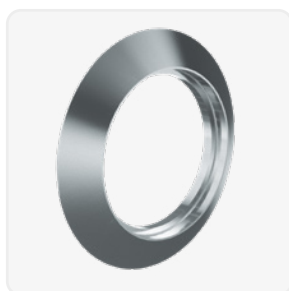




R01 – Escutcheon IKON®

Cylinder escutcheon for outside cylinder in combination with Ikon® fixing plate, outer diameter 46 mm, inner diameter 29 mm.

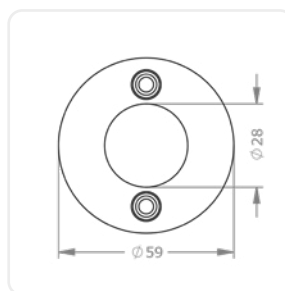
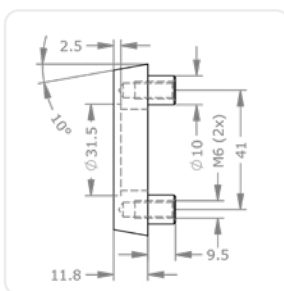
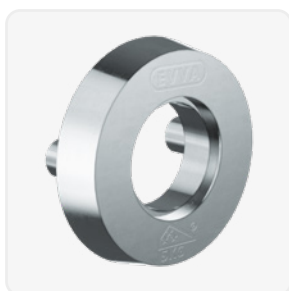
Product code	R01
Ordering example for option	M.[System].AI.AZ29.I063.NI.R01
Ordering example for accessories	M.ZU.R01



R0SKG – Escutcheon SKG

Cylinder escutcheon for outside cylinders of supplementary locks for use in SKG-tested doors, outside diameter 59 mm, inside diameter 28 mm.

Product code	R0SKG
Ordering example for option	M.[System].AI.AZ28.AZI.NI.SKG-A.R0SKG
Ordering example for accessories	M.ZU.R0SKG



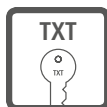
SPV – Twisted tail bar

The tail bar is rotated 90°.

Product code	SPV
Ordering example for option	M.[System].AI.AZ28.AZ.NI.SPv

4KS rim/outside/inside cylinder | Options & Accessories

Illustrations and ordering examples are shown using various systems.



TXT – Customer-specific text

Numbering according to customer requirements in addition to system number and key/cylinder number.

Product code	TXT
Ordering example for option	M.[System].PZ.DZ-S.31/31.NI.TXT



Sample illustration



ZS[...] – Cylinder fixing screw

Cylinder fastening screw for mounting the profile cylinder in the mortise lock

Technical specifications	M5 Lengths in mm: 50, 60, 70, 80, 90, 100 Countersunk head PH2 drive
Product code	ZS50, ZS60, ZS70, ZS80, ZS90, ZS100,
Ordering example for accessories	M.ZU.ZS90



Keys

Profile cylinder

Padlocks

Cam lock

Rim cylinder, outside
& inside cylinder



Furniture cylinder



A wide variety of possible uses:
Push cylinder available to directly lock sliding doors.



Suitable for furniture locks:
Furniture cylinders suited to common furniture lock types.



Also suitable for olives
Furniture cylinders for lockable furniture handles or „Olives“.

Keys

Profile cylinder

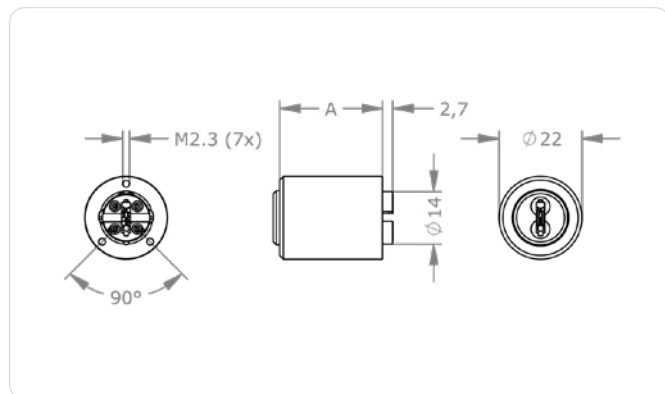
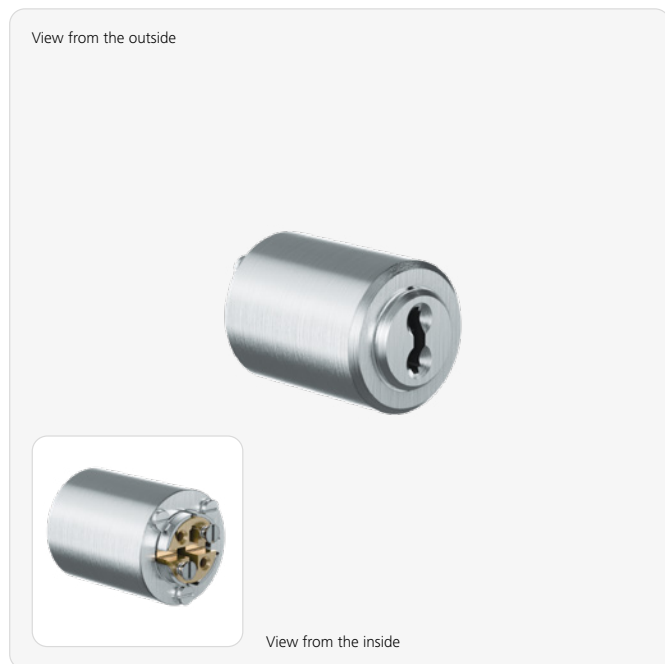
Padlocks

Cam lock

Rim cylinder, outside
& inside cylinder

Furniture cylinder

4KS furniture cylinder | MR22



Product description

The 4KS furniture cylinder MR22 is suitable for use in furniture doors and drawers. Depending on the lock case used, there is a cam bar on the rear of the cylinder. Usually fastened by three screws on

the rear of the lock or in the cylinder olive and suitable for a hole pattern larger than 22 mm. Examples of applications are cylinder olives type 3413 and 3417 and common Heusser olives.

Technical information

Cylinder length on the outside A in mm	27 32 37 42 47 57 67
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional usage feature	B[...] – 2 key extracting positions D04 – 4 key extracting positions 0°, 90°, 180°, 270° TXT – Customer-specific text
Options furniture olives	3413 – Olive 3413 3417 – Olive 3417
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For various furniture locks as well as for olives type 3413, 3417 and standard Heusser olives
Included components	Furniture cylinder incl. fixing screws, without tail bar

Application examples



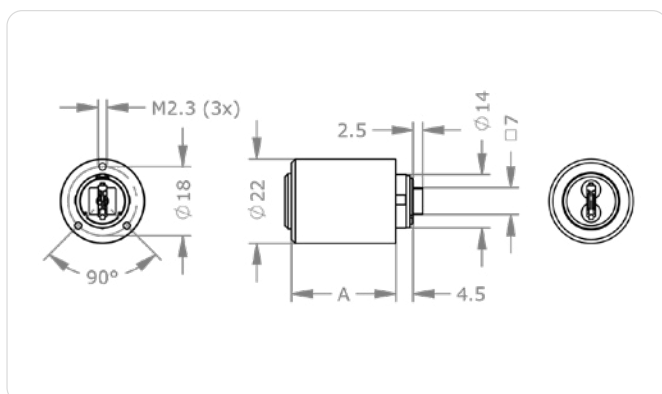
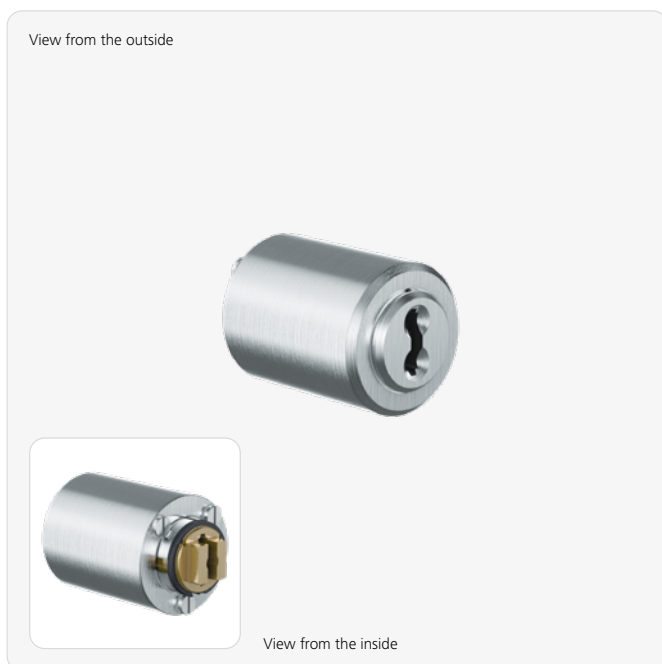
Lockable office furniture

The furniture cylinder is suitable for locking office cabinets when combined with a furniture olive or a furniture knob.

Ordering

Product code	M.4KS.MZ.MR22.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS Universal cylinder MR22, length 27 mm, nickel plated finish with olive 3413: M.4KS.MZ.MR22.27.NI.3413

4KS furniture cylinder | MR22K



Application examples



Secure office furniture

The furniture cylinder is suitable for locking office cabinets in combination with an espagnolette lock.

Product description

The 4KS furniture cylinder MR22K is suitable for use in furniture doors and drawers. It is equipped with a rectangular rear tail bar to accept furniture locks, it requires a hole pattern

larger than 22 mm and is fastened to the lock case. Application examples are espagnolette locks with square mount.

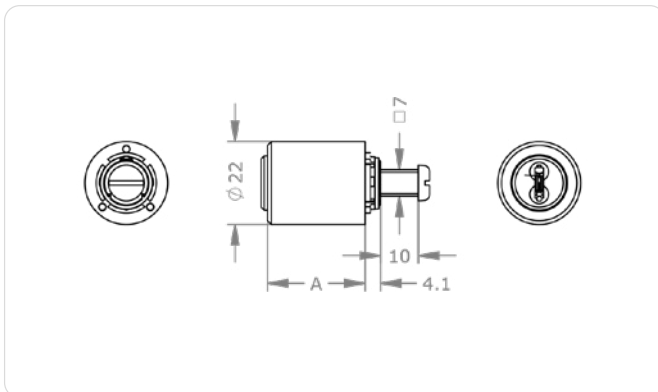
Technical information

Cylinder length on the outside A in mm	27 37 42 47 57 67
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For installation in furniture locks with 7 mm spindle mount
Included components	Furniture cylinder incl. 3 fixing screws

Ordering

Product code	M.4KS.MZ.MR22K.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS furniture cylinder MR22K with short spindle, nickel plated finish, 27 mm long: M.4KS.MZ.MR22K.27.NI

4KS furniture cylinder | MR22L



Product description

The 4KS furniture cylinder MR22L is suitable for use in furniture doors and drawers. It is equipped with a rectangular rear profile for mounting furniture locks, requires a

hole pattern larger than 22 mm and is fastened to the nut with a screw. Application examples are espagnolette locks, Steloc® Combi, TERZA® Combi and FERMA® 13.600.

Technical information

Cylinder length on the outside A in mm	27 37 42 47 57 67
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional technical installation feature	DRS[...] – Espagnolette lock 628/638
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For installation in furniture locks with 7 mm square spindle, such as espagnolette locks, Steloc® Combi, TERZA® Combi and FERMA® 13.600.
Included components	Furniture cylinder incl. 1 fixing screw

Application examples



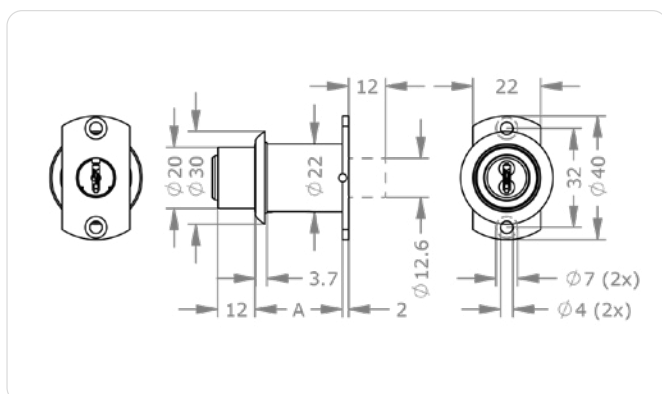
Office furniture well guarded

The furniture cylinder is suitable for locking office cabinets in combination with a Steloc®Combi, lock case 628/638 or Ferma®13.600 furniture lock.

Ordering

Product code	M.4KS.MZ.MR22L.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS furniture cylinder MR22L with long spindle, nickel plated surface, length 32 mm including furniture lock 628: M.4KS.MZ.MR22L.32.NI.628

4KS push cylinder | DRZ22



Application examples



Sliding doors secured

When pressed, sliding furniture doors and wall panels lock.

Product description

The 4KS push cylinder DRZ22 is suitable for use in metal and wooden sliding doors. The door is locked by pressing the cylinder. The cylinder requires

a hole pattern larger than 22 mm and is rear mounted using a fixing plate. Examples of applications are office furniture with sliding doors.

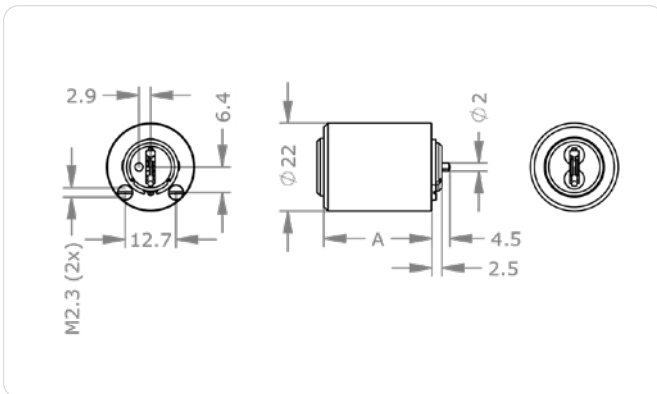
Technical information

Cylinder length on the outside A in mm	28
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional technical installation feature	KV05 – Plug end elongation 5 mm KV10 – Plug end elongation 10 mm
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For installation in furniture sliding doors
Included components	Push cylinder with escutcheon, without fastening material

Ordering

Product code	M.4KS.MZ.DRZ22.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS push cylinder 22 mm nickel plated finish plug end extended: M.4KS.MZ.DRZ22.28.NI.KV05

4KS olive cylinder | 0Z22



Product description

The 4KS furniture cylinder 0Z22 is suitable for use in special furniture olives that have a 22 mm hole pattern. The cylinder is fastened in the furniture olive by means of rear screws. Application examples are cylinder olives 3405, 3413.2 and common Heusser olives.

Technical information

Cylinder length on the outside A in mm	27
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional usage feature	TXT – Customer-specific text
Options furniture olives	3405 – Olive 3405 3413/2 – Olive 3413.2
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For use in olives 3405, 3412.2 and conventional Heusser olives
Included components	Furniture cylinder incl. 2 fixing screws

Application examples



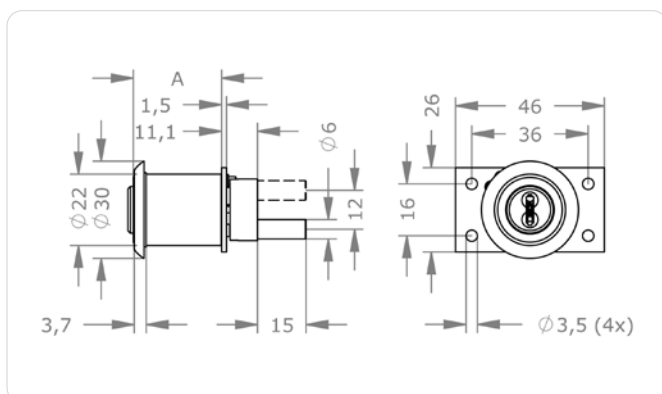
Cylinder with handle

The furniture cylinder is suitable for locking office cabinets when combined with a furniture olive or a furniture knob.

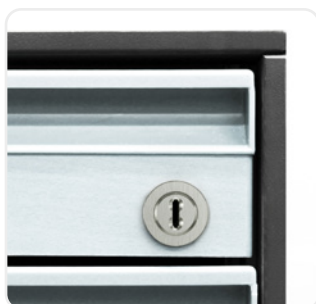
Ordering

Product code	M.4KS.MZ.0Z22.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS olive cylinder, nickel plated finish, with cylinder olive 3413.2: M.4KS.MZ.0Z22.27.NI.3413/2

4KS pedestal lock | MR22Z



Application examples



Security on wheels

This pedestal lock is specially designed for roll containers with a central locking linkage.

Product description

The 4KS pedestal lock MR22Z/Z is suitable for use in office furniture. Locking takes place by means of linkage via the integrated cam bar. The cylinder requires a hole

pattern larger than 22 mm. It is attached to the rear using a screw-on plate. Application examples are furniture roll containers and for central drawer locks.

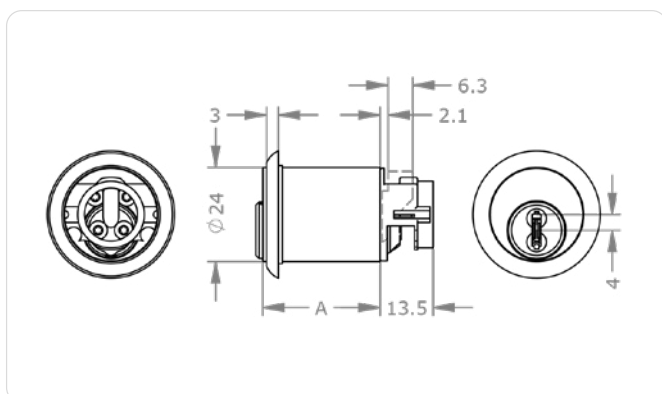
Technical information

Cylinder length on the outside A in mm	27 32 37 42 47 57 67
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional technical installation feature	BEFE – Fixing plate square BEFR – Fixing plate round
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For pedestal locks carrier movement 180°, key movement 360°
Included components	Pedestal lock with rectangular fastening plate and escutcheon

Ordering

Product code	M.4KS.MZ.MR22Z.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS pedestal lock, diameter 22 mm, length 27 mm, nickel plated finish: M.4KS.MZ.MR22Z.27.NI

4KS furniture cylinder | ASS24



Product description

The 4KS furniture cylinder ASS24 is suitable for use in office furniture prepared for JuNie® locks. The cylinder requires a hole pattern larger than 24 mm. The fastening is

very simple and effected by means of an adapter in the lock. Application examples are espagnolette locks and bolt locks.

Technical information

Cylinder length on the outside A in mm	30
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For installation in JuNie® ASS furniture locks
Included components	Furniture cylinder incl. escutcheon and adapter and cam for ASS

Application examples



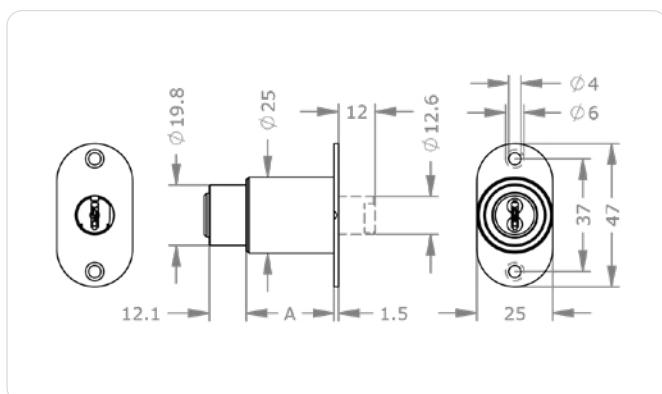
Lockable office cabinets

The furniture cylinder is suitable for locking office cabinets by combining it with a JuNie® ASS furniture lock.

Ordering

Product code	M.4KS.MZ.ASS24.[Outside cylinder length A in mm].[Finish]
Example	4KS furniture cylinder for Junie lock nickel plated finish: M.4KS.MZ.ASS24.30.NI

4KS push cylinder | DRZ25



Application examples



Push and secured

When pressed, sliding furniture doors and wall panels lock.

Product description

The 4KS push cylinder DRZ25 is suitable for use in metal and wooden sliding doors. The door is locked by pressing the back of the cylinder. This requires a hole pattern

larger than 25 mm and is rear mounted using a fixing plate. Examples of applications are office furniture with sliding doors.

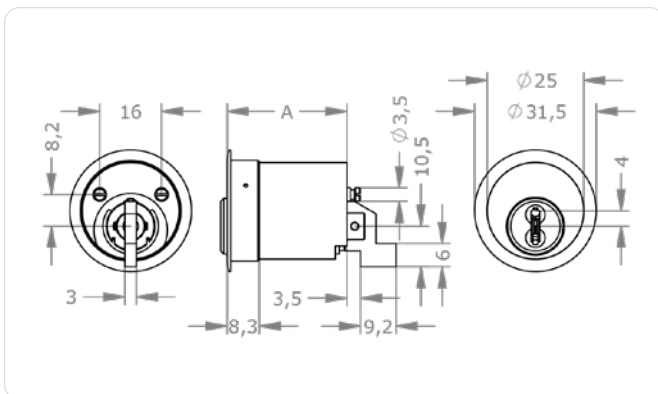
Technical information

Cylinder length on the outside A in mm	29
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional technical installation feature	KV05 – Plug end elongation 5 mm KV10 – Plug end elongation 10 mm
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For installation in furniture sliding doors
Included components	Push cylinder with escutcheon, without fastening material

Ordering

Product code	M.4KS.MZ.DRZ25.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS push cylinder 25 mm, length 29, nickel plated finish, plug end extended: M.4KS.MZ.DRZ25.29.NI.KV05

4KS EVVA furniture lock cylinder | MR25



Product description

The 4KS furniture cylinder MR25 from EVVA is suitable for use in furniture doors and drawers. On the rear without cam bar, depending on the lock case used. Suitable for a hole pattern larger than

25 mm. It can be fastened to the lock at the rear using two screws. Application examples are furniture locks from the UNI4000 and UNI4540 series.

Technical information

Cylinder length on the outside A in mm	31 36 41
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional technical installation feature	4000[...] – Furniture lock Universal 4000 4540[...] – Furniture lock Universal 4540 ERK[...] – Furniture lock ERK GKMR – Door knob 38 mm for furniture doors MAR[...] – Furniture Lock MAR UL – For furniture lock UNI4000 drawer UT – For furniture lock UNI4000 door
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube Door knob 38 mm for glass and furniture doors
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For installation in furniture locks
Included components	Furniture cylinder with escutcheon, designed for MAR lock case

Application examples



Perfectly stored

Combined with a furniture lock, this furniture cylinder is a reliable guardian of office cabinets.

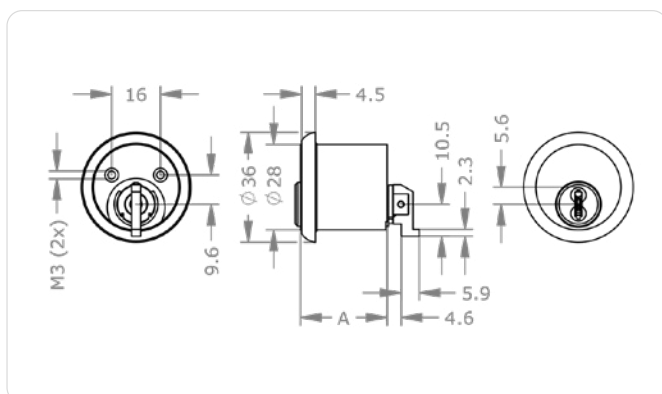
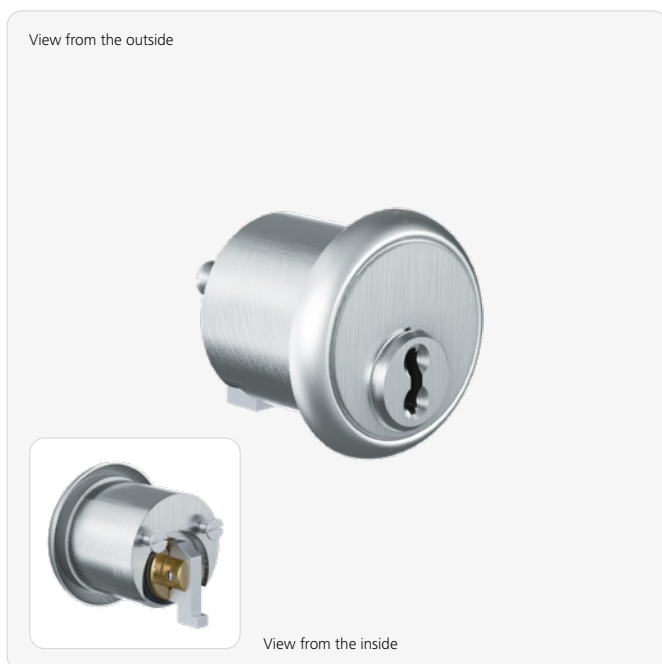
Everything under control

With the GKMR option the cylinder is transformed into a knob handle.

Ordering

Product code	M.4KS.MZ.MR25.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS furniture cylinder 25 mm, 31 mm long, nickel plated finish for Universal 4000 drawer: M.4KS.MZ.MR25.31.NI.UL

4KS EVVA furniture cylinder | MR28



Application examples



Perfectly stored

Combined with a furniture lock, this furniture cylinder is a reliable guardian of office cabinets.

Product description

The 4KS furniture cylinder MR28 from EVVA is suitable for use in furniture doors and drawers. Depending on the lock case used, also without a cam on the rear side. Fits hole

pattern larger than 28 mm. It can be fastened to the lock at the rear using two screws. Application examples are stop bolt locks and furniture locks for drawers and cabinets.

Technical information

Cylinder length on the outside A in mm	29 34 39
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional technical installation feature	ERK[...] – Furniture lock ERK MAR[...] – Furniture Lock MAR UL – For furniture lock UNI4000 drawer UT – For furniture lock UNI4000 door
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For installation in furniture locks
Included components	Furniture cylinder with escutcheon, designed for MAR lock case

Ordering

Product code	M.4KS.MZ.MR28.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS Furniture cylinder, diameter 28 mm, length 34 mm, nickel plated finish: M.4KS.MZ.MR28.34.NI

4KS furniture cylinder | Versions

	Product range	Locking system	Product category	Type	Length/type	Finish	Option	
	M	4KS	MZ				+	...
								Adapter shape/ lock holder
Hole pattern								
22 mm				MR22	27 32 37 42 47 57 67			Suitable for cylinder olives Types 3413, 3417 and common Heusser olives
22 mm				MR22K	27 37 42 47 57 67			Suitable for espagnolette locks with square mount
22 mm				MR22L	27 37 42 47 57 67			Suitable for espagnolette locks, Steloc® combination, TERZA® Combi, FERMA® 13.600
22 mm				DR22	28			Suitable for office furniture with sliding doors
22 mm				OZ22	27			Suitable for cylinder olives Types 3405, 3413.2 and common Heusser olives
22 mm				MR22Z	27 32 37 42 47 57 67			Suitable for furniture roll containers, central shop locks
24 mm				ASS24	30			Suitable for espagnolette locks, bolt locks
25 mm				DR225	29			Suitable for office furniture with sliding doors
25 mm				MR25	31 36 41			Compatible with furniture locks of the series UNI4000 and UNI4540 and other
28 mm				MR28	29 34 39			Stop bolt and surface mounted locks for drawers and cabinets.

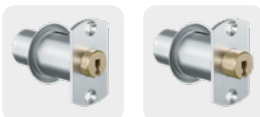
Matching accessories



Sample illustration



Sample illustration



Sample illustration

- NI >> Nickel (standard)
- MP >> Polished Brass lacquered
- NP >> Polished Nickel
- NPV >> Nickel fully polished
- MS >> Brass
- MPV >> Brass fully polished
- ML >> Brass lacquered
- CR >> Chrome
- CP >> Polished Chrome
- CPV >> Chrome fully polished
- PS >> Patinated Black
- PB >> Patinated Brown



Suitable options/accessories
> see next page

4KS furniture cylinder | Options & Accessories

Illustrations and ordering examples are shown using various systems.



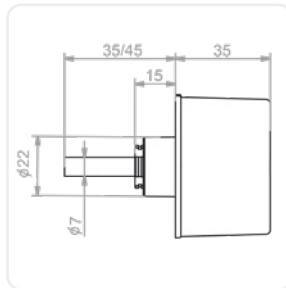
3405 – Olive 3405

Lockable 3405 cylinder olive with 7 mm spindle for left and right hinged cabinet doors.

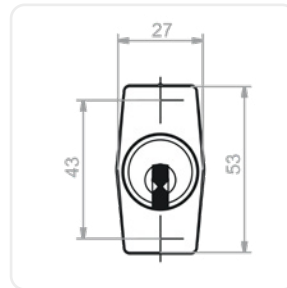
Technical specifications	For furniture locks with 7 mm spindle Cylinder olive made of zinc 7/7/35 mm spindle LI - for left doors RE - for right doors
Product code	3405
Ordering example for option	M.[System].MZ.0Z22.24.NI.3405.LI
Ordering example for accessories	M.ZU.3405.LI



Sample illustration



Sample illustration



Sample illustration



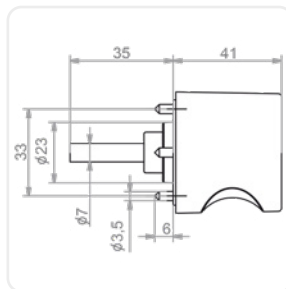
3413 – Olive 3413

Lockable cylinder olive 3413 with 45 mm thumbturn and recess for left and right hinged cabinet doors.

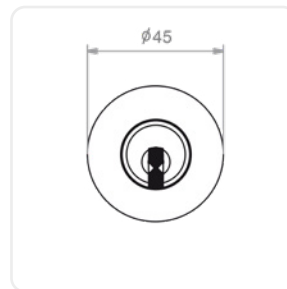
Technical specifications	For furniture locks with 7 mm spindle Cylinder olive made of zinc 7/7/35 mm spindle LI - for left doors RE - for right doors
Product code	3413
Ordering example for option	M.[System].MZ.MR22.25.NI.3413.LI
Ordering example for accessories	M.ZU.3413.LI



Sample illustration



Sample illustration



Sample illustration

3413/2

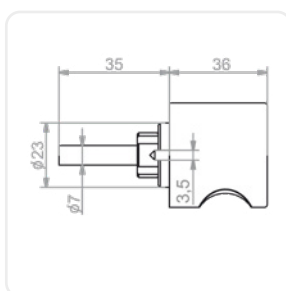
3413/2 – Olive 3413.2

Lockable cylinder olive 3413 with 36 mm thumbturn and recess for left and right hinged cabinet doors.

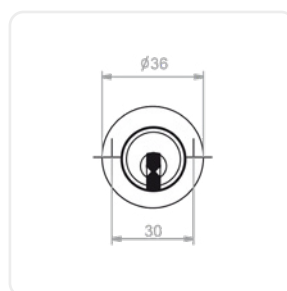
Technical specifications	For furniture locks with 7 mm spindle Cylinder olive made of zinc 7/7/35 mm spindle LI - for left doors RE - for right doors
Product code	3413/2
Ordering example for option	M.[System].MZ.0Z22.24.NI.3413/2.LI
Ordering example for accessories	M.ZU.3413/2.LI



Sample illustration



Sample illustration



Sample illustration

3417

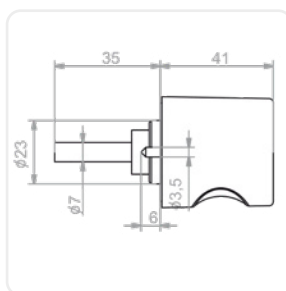
3417 – Olive 3417

Lockable cylinder olive 3417 with 40 mm thumbturn and recess, in various RAL colours. For left and right hinged cabinet doors in combination with a furniture lock with 7 mm square spindle.

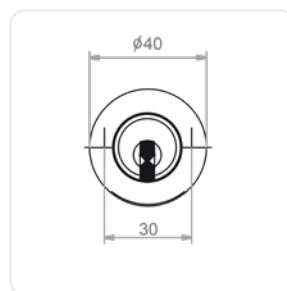
Variants	RAL1004 – RAL 1004 RAL3003 – RAL 3003 RAL3005 – RAL 3005 RAL5002 – RAL 5002 RAL6012 – RAL 6012 RAL6022 – RAL 6022 RAL7016 – RAL 7016 RAL7035 – RAL 7035 RAL8014 – RAL 8014 RAL8017 – RAL 8017 RAL9005 – RAL 9005 RAL9010 – Pure white
Technical specifications	For furniture locks with 7 mm spindle Cylinder olive made of zinc 7/7/35 mm spindle LI - for left doors RE - for right doors
Product code	3417[Variant]
Ordering example for option	M.[System].MZ.MR22.25.NI.3417R3003.LI
Ordering example for accessories	M.ZU.3417R3003.LI



Sample illustration 3417R3003



Sample illustration



Sample illustration

4KS furniture cylinder | Options & Accessories

Illustrations and ordering examples are shown using various systems.



4000[...] – Furniture lock Universal 4000

The furniture lock Universal 4000 is suitable for use in furniture doors, cabinet doors and drawers.

Variants 4000LA – Furniture lock Universal 4000 Drawer | 4000LI – Furniture lock Universal 4000 Left | 4000RE – Furniture lock Universal 4000 Right

Technical specifications Small installation dimension of 52 x 54 mm | threefold screw connection with door or drawer | adjustable backset | nickel plated steel locking case and bolt

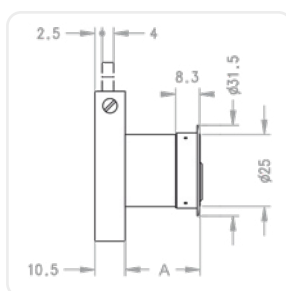
Product code 4000LA, 4000LI, 4000RE

Ordering example for option M.[System].MZ.MR25.26.NI.4000LA

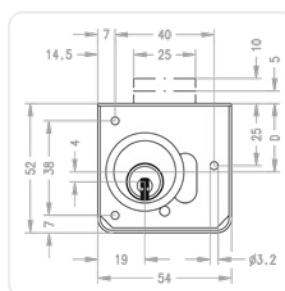
Ordering example for accessories M.ZU.4000LA



Sample illustration 4000LI



Sample illustration 4000LI



Sample illustration 4000LA



4540[...] – Furniture lock Universal 4540

The furniture lock Universal 4540 is suitable for use in tall cabinet doors that require more than one lock.

Variants 4540LI – Furniture lock Universal 4540 Left | 4540RE – Furniture lock Universal 4540 Right

Technical specifications Small installation dimensions of 61 x 65 mm | fourfold screw connection | 40 mm backset | nickel plated steel locking case and bolt | Rotating rods \varnothing 8 flattened to 7 mm | suitable for DRST200, DRST220, DRST250

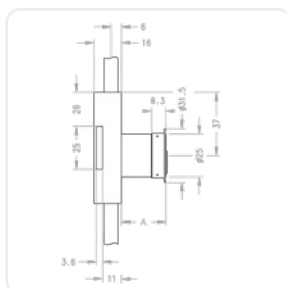
Product code 4540LI, 4540RE

Ordering example for option M.[System].MZ.MR25.26.NI.4540RE

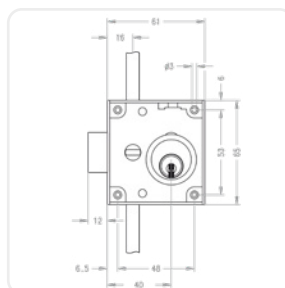
Ordering example for accessories M.ZU.4540RE



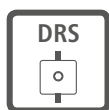
Sample illustration 4540RE



Sample illustration 4540RE



Sample illustration 4540RE



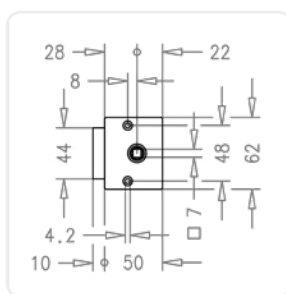
DRS[...] – Espagnolette lock 628/638

The espagnolette lock makes it easy to lock furniture doors with a cylinder olive.

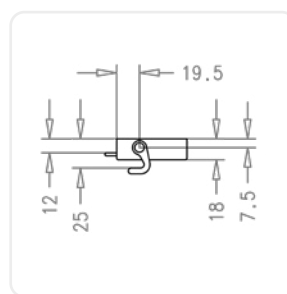
Variants	DRS628 – Espagnolette lock 628 DRS638 – Espagnolette lock 638
Technical specifications	1-turn 7 mm square receptacle can be used on the left/right 628 = backset 28 mm, 638 = backset 38 mm
Included components	Espagnolette lock 628 or 638 2 catch hooks angled striking plate 2 locking bolts and Ø 8 mm fastening screws flattened to 7 mm without Espagnolette
Product code	DRS[...]
Ordering example for option	M.[System].MZ.MR22L.25.NI.628
Ordering example for accessories	M.ZU.628, M.ZU.638



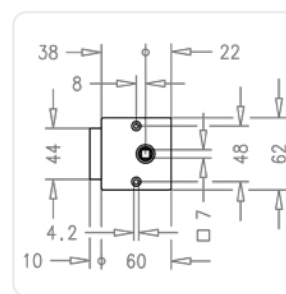
628



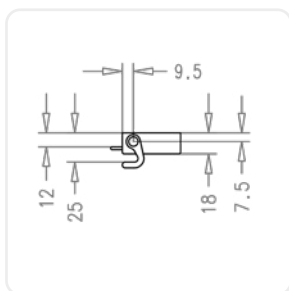
628



628



638



638

Keys

Profile cylinder

Padlocks

Cam lock

Rim cylinder, outside & inside cylinder

Furniture cylinder

4KS furniture cylinder | Options & Accessories

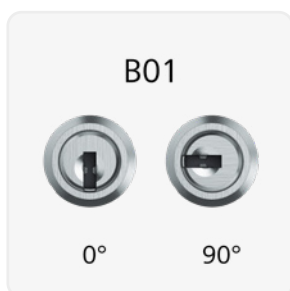
Illustrations and ordering examples are shown using various systems.



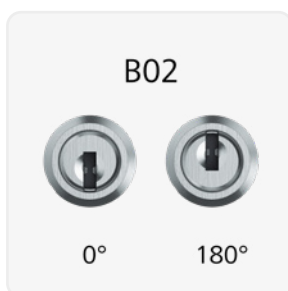
B[...] – 2 key extracting positions

Allows a key to be removed in a second key extracting position other than the insertion position.

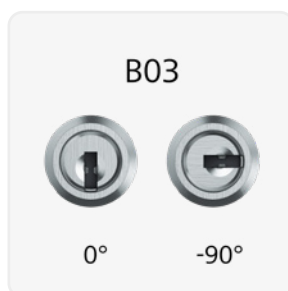
Variants	B01 – 2 key extracting positions 0°, 90° B02 – 2 key extracting positions 0°, 180° B03 – 2 key extracting positions 0°, -90° B12 – 2 key extracting positions 90°, 180° B13 – 2 key extracting positions 90°, -90° B23 – 2 key extracting positions 180°, -90°
Product code	B01, B02, B03, B12, B13, B23
Ordering example for option	M.[System].HB.MB19.23.NI.B01



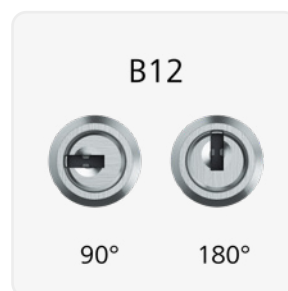
Sample illustration



Sample illustration



Sample illustration



Sample illustration



Sample illustration



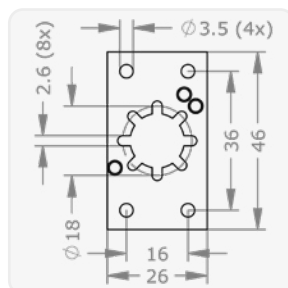
Sample illustration



BEFE – Fixing plate square

Rectangular fixing plate for cylinders with a diameter of 22 mm.

Product code	BEFE
Ordering example for option	M.[System].MZ.DR22.25.NI.BEFE
Ordering example for accessories	M.ZU.BEFE

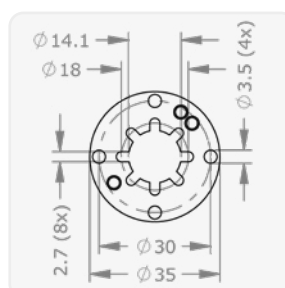
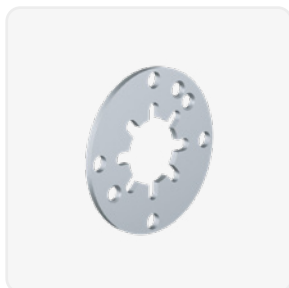




BEFR – Fixing plate round

Round fixing plate, for cylinders with a diameter of 22 mm.

Product code	BEFR
Ordering example for option	M.[System].MZ.DRZ22.25.NI.BEFR
Ordering example for accessories	M.ZU.BEFR



D04 – 4 key extracting positions 0°, 90°, 180°, 270°

Allows a switch to be operated by removing the key in four positions, each at 90° to the other.

Product code	D04
Ordering example for option	M.[System].SZ.MR22.25.NI.D04



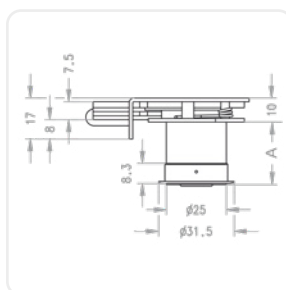
ERK[...] – Furniture lock ERK

The snap-in roller box lock is suitable for milling into roller drawers, roller shutter doors and other furniture locks.

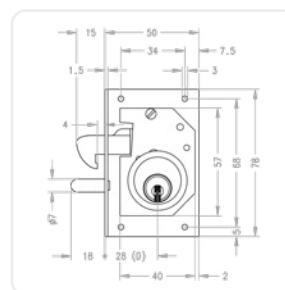
Variants	LI – Left RE – Right
Technical specifications	Galvanised steel lock case solid lock case design 7 mm guide bolts
Product code	ERK[LI, RE]
Ordering example for option	M.[System].MZ.MR25.26.NI.ERKRE
Ordering example for accessories	M.ZU.ERKRE



Sample illustration ERKRE



Sample illustration ERKRE



Sample illustration ERKRE

4KS furniture cylinder | Options & Accessories

Illustrations and ordering examples are shown using various systems.



FIN[...] – Spray FinLube

Multi-purpose spray to clean, lubricate and protect.

Variants	0088002458 – Finlube 100ml 0088002431 – Finlube 300ml 0088002423 – Finlube 500ml
Product code	M.TE[0088002458, 0088002431, 0088002423]
Ordering example for accessories	M.TE.0088002431



Sample illustration



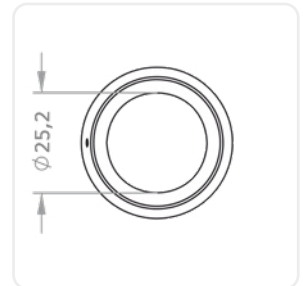
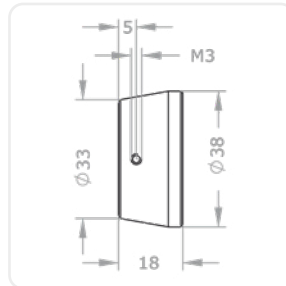
GKMR – Door knob 38 mm for furniture doors

For use in furniture doors in combination with a furniture cylinder.

Technical specifications	Height 18 mm, conical diameter 38 to 33.2 mm Fastened with M3 side holes Base material nickel plated brass
Product code	GKMR
Ordering example for option	M.[System].MZ.MR25.26.NI.GKMR
Ordering example for accessories	M.ZU.GKMR



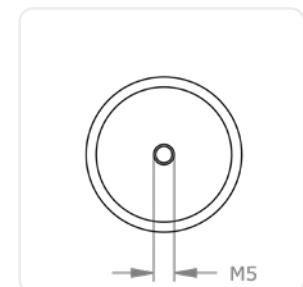
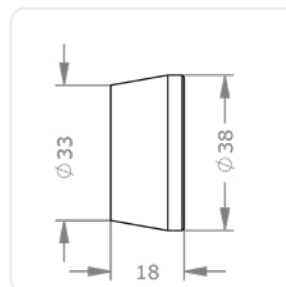
Sample illustration



GKV – Door knob 38 mm for glass and furniture doors

For use in furniture doors as a blind thumbturn without cylinder cut-out.

Technical specifications	Suitable for GKMR
Product code	GKV
Ordering example for accessories	M.ZU.GKV





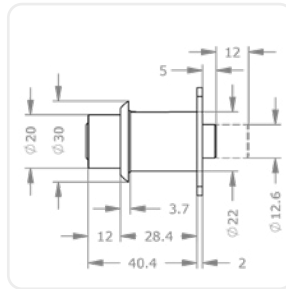
KV05 – Plug end elongation 5 mm

The plug is extended by 5 mm at the rear of the cylinder. Push cylinder for use in sliding doors with a greater offset or for thicker doors.

Product code	KV05
Ordering example for option	M.[System].MZ.DRZ22.28.NI.KV05



Sample illustration



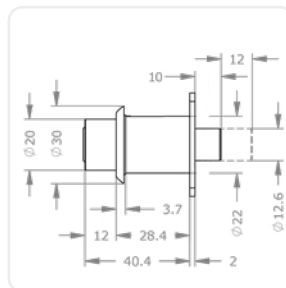
KV10 – Plug end elongation 10 mm

The plug is extended by 10 mm at the rear of the cylinder. Push cylinder for use in sliding doors with a greater offset or for thicker doors.

Product code	KV10
Ordering example for option	M.[System].MZ.DRZ22.28.NI.KV10



Sample illustration



4KS furniture cylinder | Options & Accessories

Illustrations and ordering examples are shown using various systems.



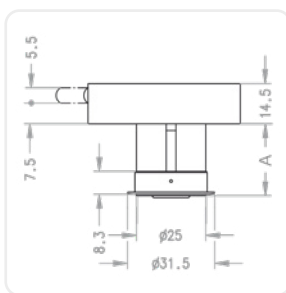
MAR[...] – Furniture Lock MAR

The stop bolt lock with 4-fold screw connection is ideal for the simple locking of drawers, locker doors and cabinets.

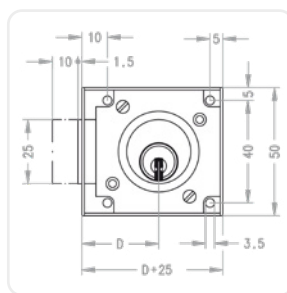
Variants	Type, backset, left/right/drawer: MAR30LI – Furniture Lock MAR Left, Backset 30 MAR35LI – Furniture Lock MAR Left, Backset 35 MAR40LI – Furniture Lock MAR Left, Backset 40 MAR45LI – Furniture Lock MAR Left, Backset 45 MAR50LI – Furniture Lock MAR Left, Backset 50 MAR60LI – Furniture Lock MAR Left, Backset 60 MAR30RE – Furniture Lock MAR Right, Backset 30 MAR35RE – Furniture Lock MAR Right, Backset 35 MAR40RE – Furniture Lock MAR Right, Backset 40 MAR45RE – Furniture Lock MAR Right, Backset 45 MAR50RE – Furniture Lock MAR Right, Backset 50 MAR60RE – Furniture Lock MAR Right, Backset 60 MAR30LA – Furniture Lock MAR Drawer, Backset 30 MAR35LA – Furniture Lock MAR Drawer, Backset 35 MAR40LA – Furniture Lock MAR Drawer, Backset 40 MAR45LA – Furniture Lock MAR Drawer, Backset 45 MAR50LA – Furniture Lock MAR Drawer, Backset 50 MAR60LA – Furniture Lock MAR Drawer, Backset 60
Technical specifications	Solid lock case design 1-turn 10 mm bolt ejection
Product code	MAR[Backset D in mm][LI,RE,LA]
Ordering example for option	M.[System].MZ.MR25.26.NI.MAR35LI
Ordering example for accessories	M.ZU.MAR35LA



Sample illustration MAR30LI



Sample illustration MAR[D]RE



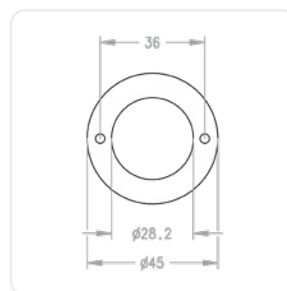
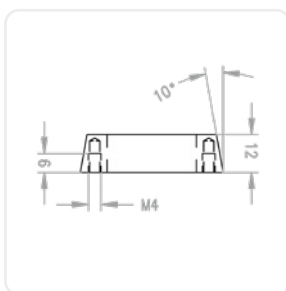
Sample illustration MAR[D]RE

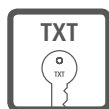


ROGT – Escutcheon for glass doors for push cylinders

Suitable for use in combination with a push cylinder in display cabinet doors or glass sliding doors, conical outer diameter of 44.5 to 40.5 mm.

Technical specifications	Basic material nickel plated brass fixing at the rear with 2 M4 holes
Product code	ROGT
Ordering example for option	M.[System].MZ.DRZ28.26.NI.ROGT
Ordering example for accessories	M.ZU.ROGT





TXT – Customer-specific text

Numbering according to customer requirements in addition to system number and key/cylinder number.

Product code	TXT
Ordering example for option	M.[System].PZ.DZ-S.31/31.NI.TXT



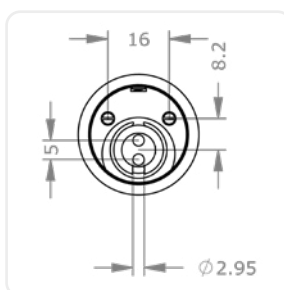
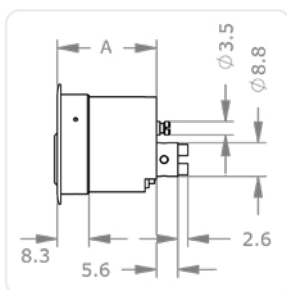
Sample illustration



UL – For furniture lock UNI4000 drawer

Cylinder version for use in the Universal 4000 furniture lock for installation in drawers.

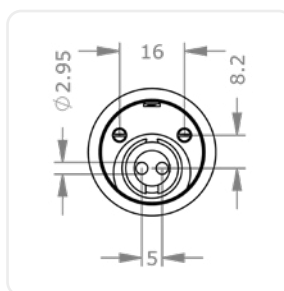
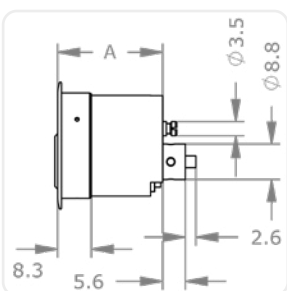
Product code	UL
Ordering example for option	M.[System].MZ.MR25.26.NI.UL



UT – For furniture lock UNI4000 door

Cylinder version for use in the Universal 4000 furniture lock for door installation.

Product code	UT
Ordering example for option	M.[System].MZ.MR25.26.NI.UT



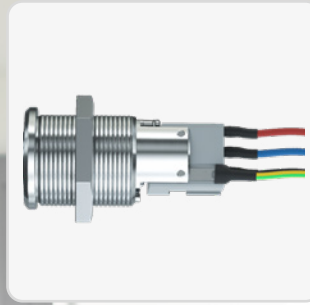


Switch & switching cylinder



Turn on, turn off

A range of suitable cylinder types for operation of electronic switching devices, suitable for a wide variety of installation situations.



Integrated switch

Also cylinders with integrated electronic microswitch for direct and alternating current.



Everything under control

Integrated into master key systems and in central switch devices, they make a significant contribution to building security.

Keys

Profile cylinder

Padlocks

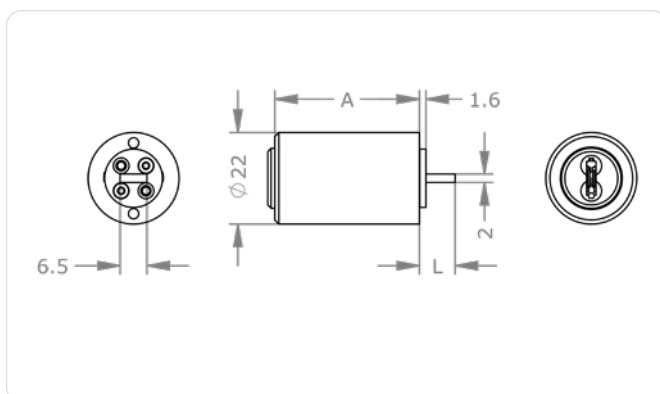
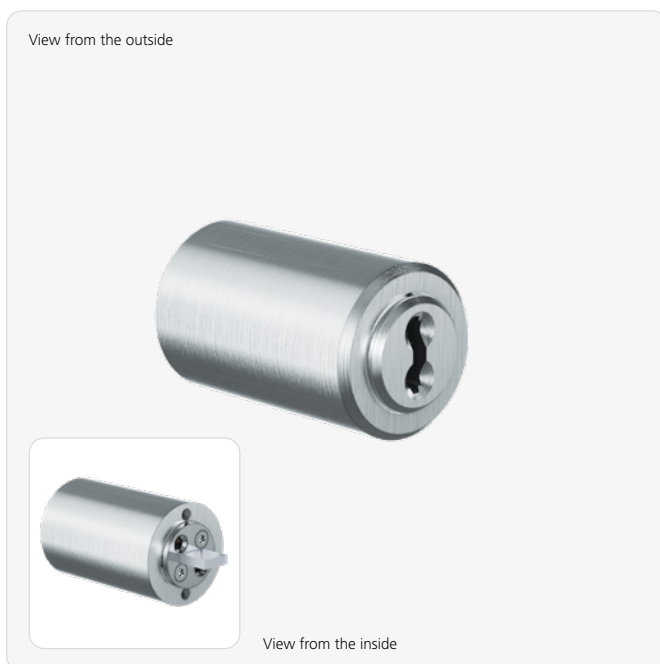
Cam lock

Rim cylinder, outside
& inside cylinder

Furniture cylinder

Switch &
switching cylinder

4KS switching cylinder | MR22AF



Product description

The 4KS switching cylinder MR22AF is suitable for use in various key switches. It is equipped with configurable tail bar on the back. It fits a hole pattern larger than 22 mm and is fastened by 2 rear screws. Examples of applications are alarm systems, escalators and control units.

Technical information

Cylinder length on the outside A in mm	35
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional technical installation feature	BEFE – Fixing plate square BEFR – Fixing plate round SP[...] – Special tail bar
Optional usage feature	D04 – 4 key extracting positions 0°, 90°, 180°, 270° TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	When selecting the switching cylinder, it must be ensured that the switch angle of the cylinder matches that of the switch
Included components	Switching cylinder with tail bar as specified

Application examples



In no time at all

This switching cylinder is suitable for installation in existing switch inserts or surface-mounted switches.

Ordering

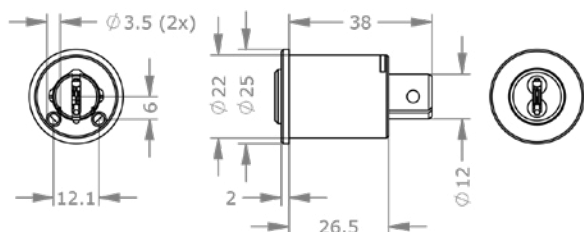
Product code	M.4KS.SZ.MR22AF.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS switching cylinder MR22, length 35 mm, nickel plated finish, key removal at top and bottom: M.4KS.SZ.MR22AF.35.NI.B02

4KS switching cylinder | AZ22

View from the outside



View from the inside



Application examples



Securely up and down

This cylinder is suitable e.g. for installation in escalator control function circuits.



In no time at all

Also suitable for installation in existing switch inserts or surface-mounted switches.

Product description

The 4KS switching cylinder AZ22 is suitable for use in various key switches. Without rear-mounted cam bar. Fits hole pattern larger than 22

mm. It is fixed in the rear of the switch by means of two screws. Examples of applications are lift systems, escalators and control units.

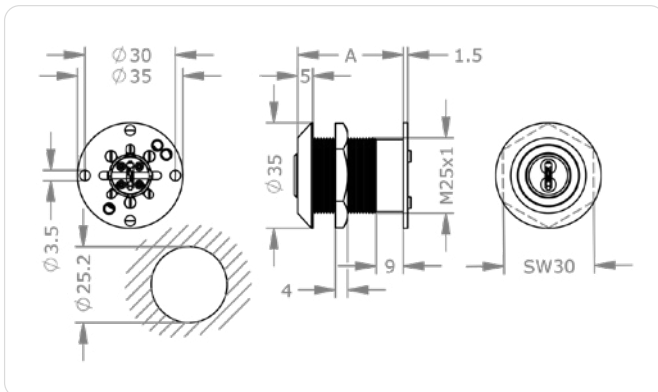
Technical information

Cylinder length on the outside A in mm	27
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional technical installation feature	BEFE – Fixing plate square BEFR – Fixing plate round
Optional usage feature	B[...] – 2 key extracting positions D04 – 4 key extracting positions 0°, 90°, 180°, 270° TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For use in switches with hole pattern larger than 22 mm with rear mounting
Included components	Switching cylinder

Ordering

Product code	M.4KS.SZ.AZ22.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS switching cylinder AZ22, nickel plated finish, key removal top and bottom: M.4KS.SZ.AZ22.27.NI.BEFE

4KS switching cylinder | MB25



Product description

The 4KS switching cylinder MB25 is suitable for use in key switches with several switch positions. It is equipped with configurable tail bar on the back, fits a hole pattern larger

than 25 mm and is fastened on the inside by a flat nut or a screw-on plate. Application examples are control panels and machine switches.

Technical information

Cylinder length on the outside A in mm	35
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional technical installation feature	SP[...] – Special tail bar
Optional usage feature	B[...] – 2 key extracting positions D04 – 4 key extracting positions 0°, 90°, 180°, 270° TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For use in switches that are prepared for a compression fitting
Included components	Switching cylinder with tail bar as specified

Application examples



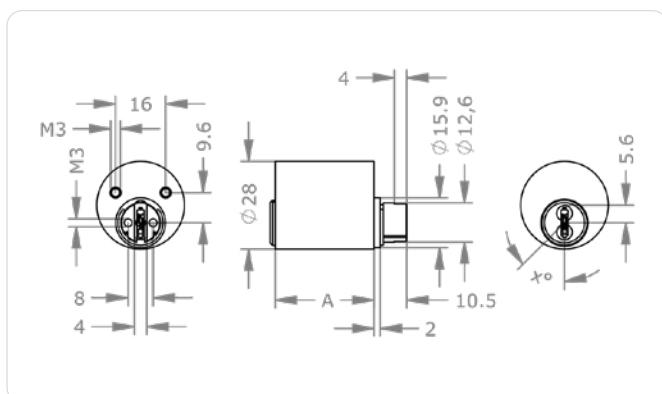
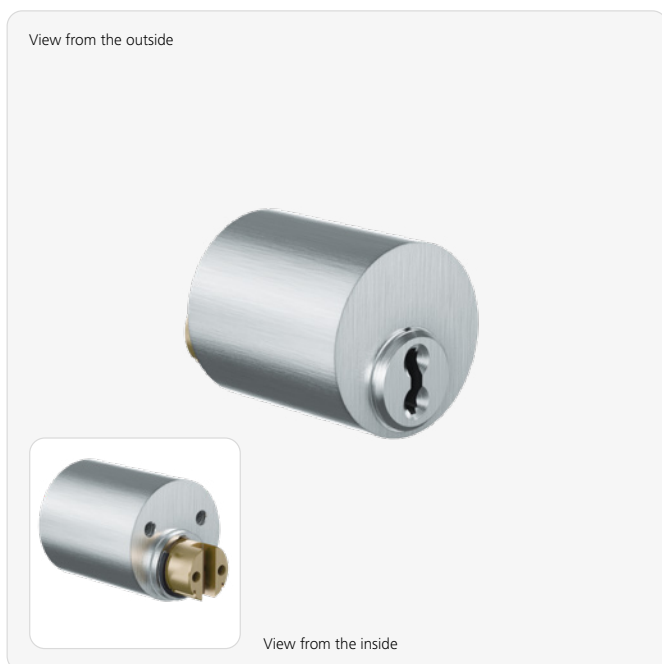
In no time at all

This switching cylinder is suitable for installation in existing switch inserts or surface-mounted switches.

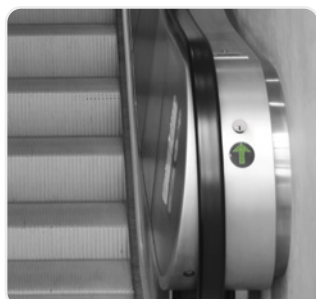
Ordering

Product code	M.4KS.SZ.MB25.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS switching cylinder MB25, length 35 mm, nickel plated finish, key removal at top and bottom: M.4KS.SZ.MB25.35.NI.B02

4KS lift cylinder | MR28A



Application examples



Securely up and down

This cylinder is suitable e.g. for installation in escalator control function circuits.

Product description

The 4KS lift cylinder MR28A is suitable for use in various lift control systems. It is equipped without a cam bar on the rear, fits a hole pattern larger than

28 mm and is rear mounted with two screws. Application examples are lift systems and escalators.

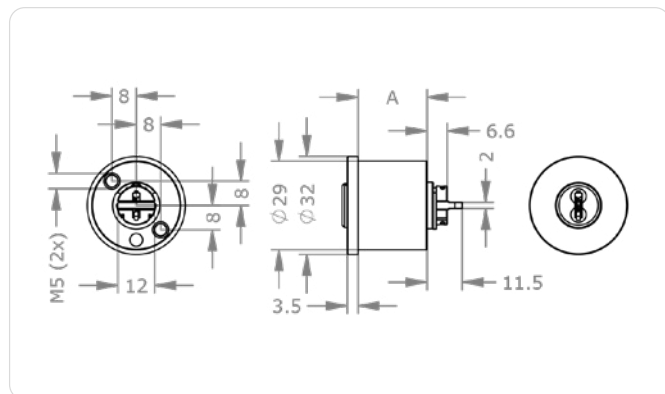
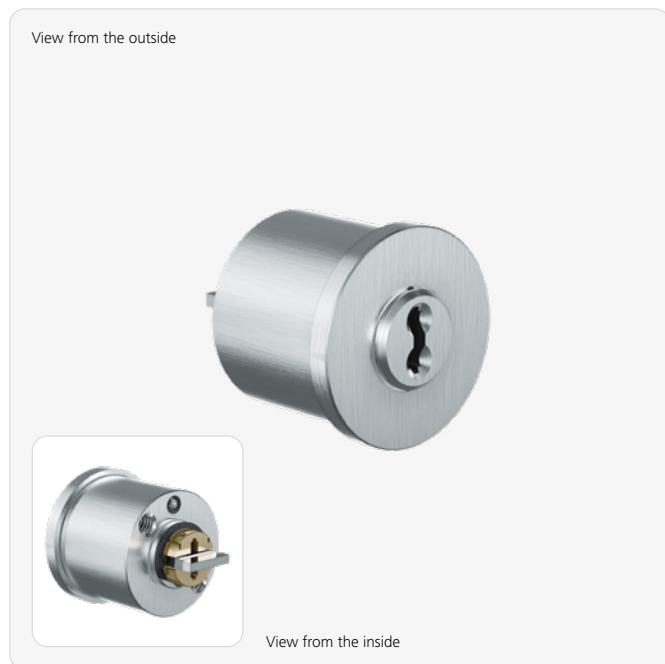
Technical information

Cylinder length on the outside A in mm	27 32
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For use in lifts or lift controls with a hole pattern larger than 28 mm
Included components	Lift cylinder without cam bar

Ordering

Product code	M.4KS.SZ.MR28A.[Outside cylinder length A in mm].[Finish]
Example	4KS lift cylinder 28 mm, nickel plated finish, length 32 mm: M.4KS.SZ.MR28A.32.NI

4KS switching cylinder | AZ29SZ



Product description

The 4KS lift cylinder AZ29SZ is suitable for use in various lift control systems. It is equipped with EDP tail bar on the back, fits a hole pattern larger than

29 mm with 32 mm collar and is fastened through three M5 threaded holes on the back. Application examples are lift systems and escalators.

Technical information

Cylinder length on the outside A in mm	23
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional usage feature	B[...] – 2 key extracting positions D04 – 4 key extracting positions 0°, 90°, 180°, 270° TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For use in key switches, prepared for EDP tail bars
Included components	Switching cylinder with EDP tail bar

Application examples



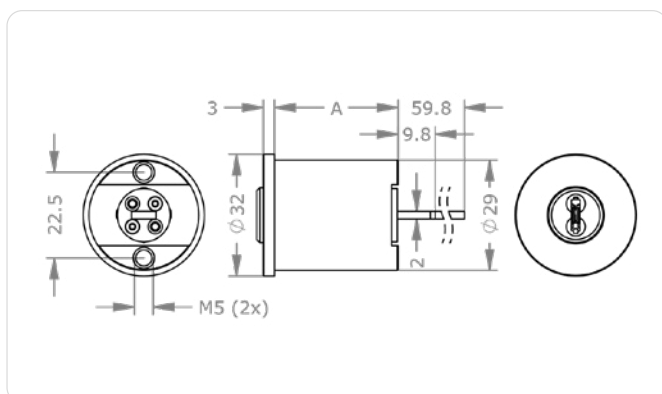
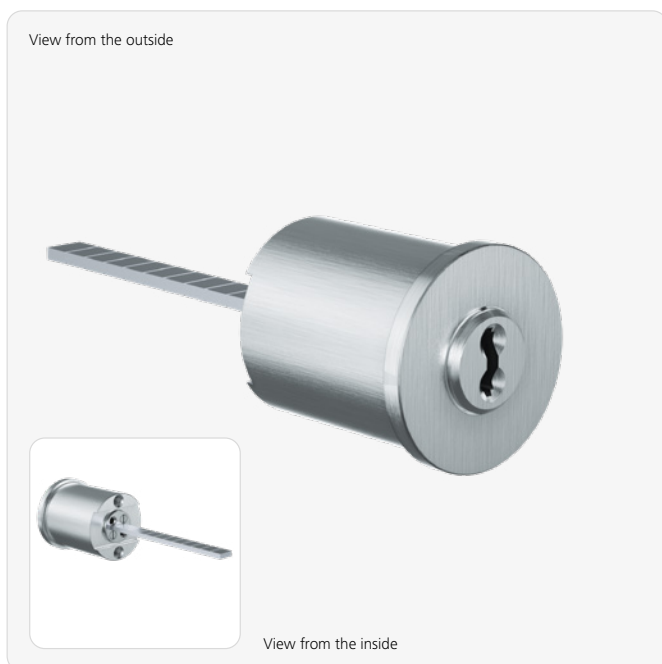
Securely up and down

This cylinder is suitable e.g. for installation in escalator control function circuits.

Ordering

Product code	M.4KS.SZ.AZ29SZ.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS switching cylinder AZ29, with EDP tail bar, nickel plated finish, key withdrawal at top and bottom: M.4KS.SZ.AZ29SZ.22.NI.B02

4KS switching cylinder | SZ29



Application examples



Secure in the carousel

This cylinder is especially suitable for switching the function of revolving doors.

Product description

The 4KS switching cylinder SZ29 is suitable for use in key switches with several switch positions. It is equipped with configurable tail bar on the back and fits a hole pattern larger than 29 mm with 32

mm collar and is fastened by two M5 threaded holes on the back. Examples of applications are alarm systems, escalators and control units.

Technical information

Cylinder length on the outside A in mm	33
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional technical installation feature	SP[...] – Special tail bar
Optional usage feature	B[...] – 2 key extracting positions D04 – 4 key extracting positions 0°, 90°, 180°, 270° F06 – 6 key extracting positions 0°, 60°, 120°, 180°, 240°, 300° TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	For use in key switches
Included components	Switching cylinder

Ordering

Product code	M.4KS.SZ.AZ29.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS switching cylinder SZ29, length 33 mm, nickel plated finish, key removal from top and bottom: M.4KS.SZ.AZ29.33.NI.B02

4KS switch cylinder | MB19SZ



Standards and guidelines

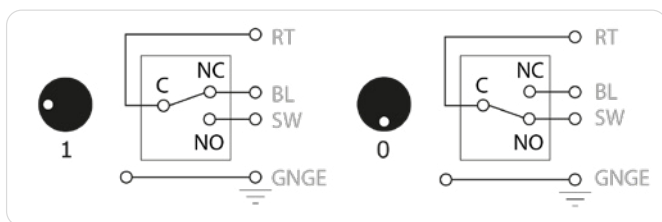
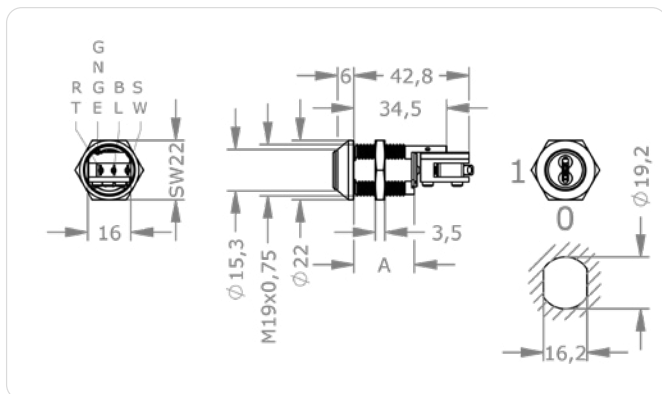


Product description

The 4KS switch cylinder MB19SZ is suitable for direct integration into circuits. It is equipped with a microswitch on the rear, fits a hole pattern larger than 19 mm and is flattened on the side (anti-twist

device). It is fastened on the inside by a flat nut. Key can only be removed in one position. Application examples are control panels and machine switches.

Technical information

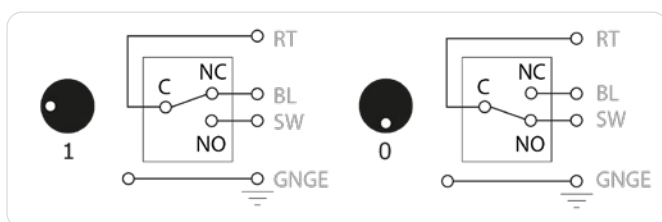
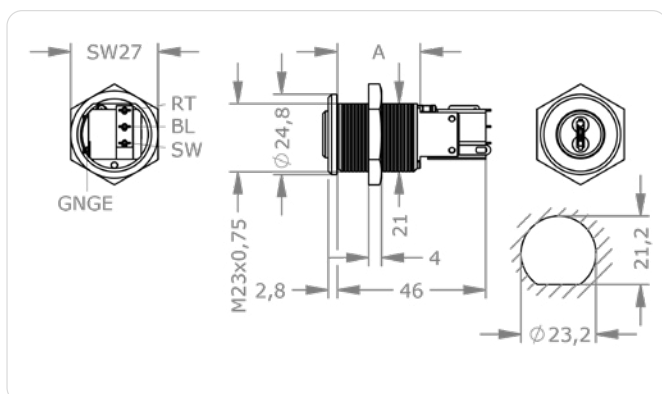


Cylinder length on the outside A in mm	39
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional usage feature	B01 – 2 key extracting positions 0°, 90° TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	Possible switching capacities: 50 VAC: 5 A 0–15 VDC: 5 A 15–30 VDC: 3 A 250 VAC, 5 A
Included components	Switch cylinder with integrated microswitch, fastening nut M19

Ordering

Product code	M.4KS.SZ.MB19SZ.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS Switch cylinder, 19 mm diameter, nickel plated finish, with 2 key extracting positions: M.4KS.SZ.MB19SZ.39.NI.B01

4KS switch cylinder | MB23SZ



Standards and guidelines



Product description

The 4KS switch cylinder MB23SZ-S is suitable for direct integration into circuits. It is equipped with a microswitch on the rear, fits a hole pattern larger than 23 mm and is flattened at the bottom (anti-twist device). It is

fastened on the inside by a flat nut. Key can only be removed in one position. Application examples are control panels and machine switches.

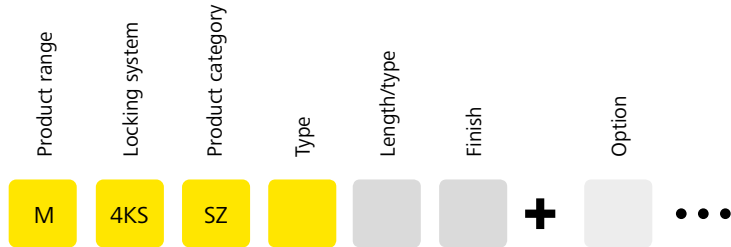
Technical information

Cylinder length on the outside A in mm	42
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional usage feature	B01 – 2 key extracting positions 0°, 90° TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	Possible switching capacities: 50 VAC: 5 A 0–15 VDC: 5 A 15–30 VDC: 3 A 250 VAC, 5 A
Included components	Switch cylinder with integrated microswitch, fastening nut M23

Ordering

Product code	M.4KS.SZ.MB23SZ.[Outside cylinder length A in mm].[Finish].[Option]
Example	4KS switch cylinder, 23 mm diameter, nickel plated finish, with 2 key extracting positions: M.4KS.SZ.MB23SZ.42.NI.B01













4KS switch & switching cylinder | Versions

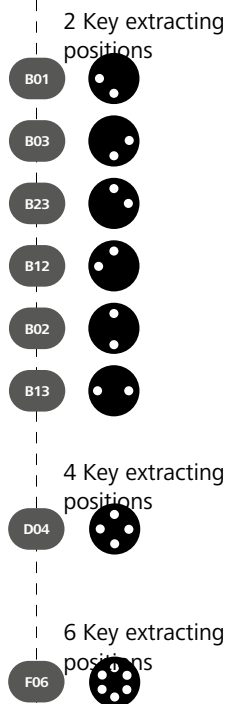


Hole pattern

Hole pattern	Switch cylinder	Type	Length/type	Finish	Adapter form switch receptacle	possible Options
22 mm		MR22AF	35			B.. D04 BEFE BEFR SP..
22 mm		AZ22	27			B.. D04 BEFE BEFR
25 mm		MB25	35			B.. D04 SP..
28 mm		MR28A	27 32			
29 mm		A729SZ	23			B.. D04
29 mm		SZ29	33			B.. D04 F06 SP..
19 mm		MB19SZ	39			B01
23 mm		MB23SZ	42			B01 FED

Special tail bar

- NI >>  Nickel (standard)
- MP >>  Polished Brass lacquered
- NP >>  Polished Nickel
- NPV >>  Nickel fully polished
- MS >>  Brass
- MPV >>  Brass fully polished
- ML >>  Brass lacquered
- CR >>  Chrome
- CP >>  Polished Chrome
- CPV >>  Chrome fully polished
- PS >>  Patinated Black
- PB >>  Patinated Brown



	Width L2	Length L1	Thickness L3
SP01	6.5	11.3	2.0
SP02	6.5	12.3	2.0
SP03	6.5	12.9	2.0
SP04	6.5	17.8	2.0
SP05	6.5	19.5	2.0
SP06	9.0	6.8	1.5
SP07	9.0	8.8	1.5
SP08	9.0	9.8	2.0
SP09	9.0	10.2	2.0
SP11	10.0	4.3	2.0
SP12	10.0	8.8	2.0
SP13	10.0	11.8	2.0
SP14	15.0	12.0	2.0



Possible switch capacities
 250 VAC: 5 A
 0-15 VDC 5 A
 15-30 VDC 3 A

4KS switch & switching cylinder | Options & Accessories

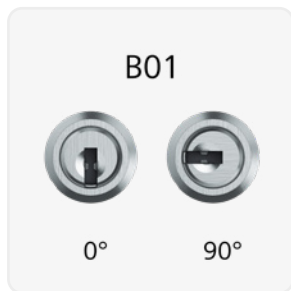
Illustrations and ordering examples are shown using various systems.



B[...] – 2 key extracting positions

Allows a key to be removed in a second key extracting position other than the insertion position.

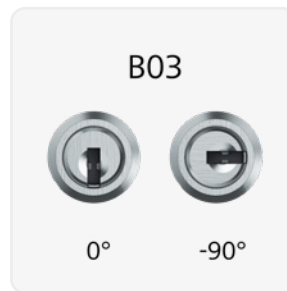
Variants	B01 – 2 key extracting positions 0°, 90° B02 – 2 key extracting positions 0°, 180° B03 – 2 key extracting positions 0°, -90° B12 – 2 key extracting positions 90°, 180° B13 – 2 key extracting positions 90°, -90° B23 – 2 key extracting positions 180°, -90°
Product code	B01, B02, B03, B12, B13, B23
Ordering example for option	M.[System].HB.MB19.23.NI.B01



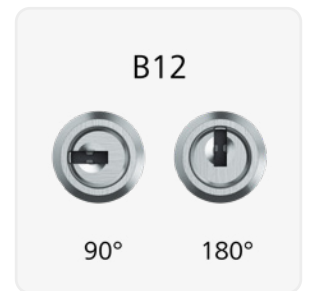
Sample illustration



Sample illustration



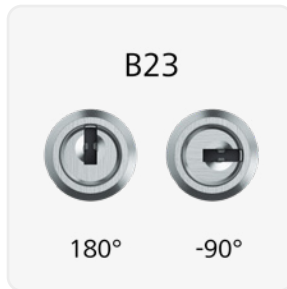
Sample illustration



Sample illustration



Sample illustration



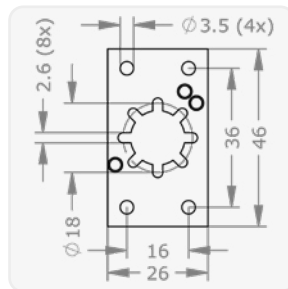
Sample illustration



BEFE – Fixing plate square

Rectangular fixing plate for cylinders with a diameter of 22 mm.

Product code	BEFE
Ordering example for option	M.[System].MZ.DRZ22.25.NI.BEFE
Ordering example for accessories	M.ZU.BEFE

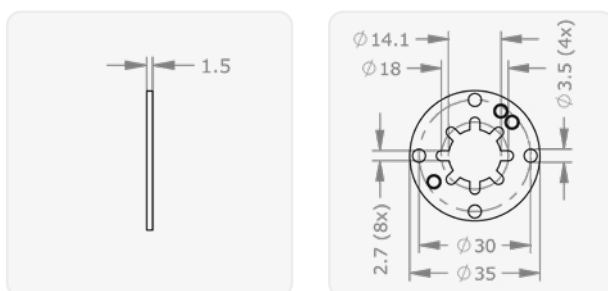




BEFR – Fixing plate round

Round fixing plate, for cylinders with a diameter of 22 mm.

Product code	BEFR
Ordering example for option	M.[System].MZ.DRZ22.25.NI.BEFR
Ordering example for accessories	M.ZU.BEFR



D04 – 4 key extracting positions 0°, 90°, 180°, 270°

Allows a switch to be operated by removing the key in four positions, each at 90° to the other.

Product code	D04
Ordering example for option	M.[System].SZ.MR22.25.NI.D04



F06 – 6 key extracting positions 0°, 60°, 120°, 180°, 240°, 300°

Allows a switch to be operated by removing the key in six positions, each at 60° to the other.

Product code	F06
Ordering example for option	M.[System].SZ.SZ29.33.NI.F06



FED – Spring return

The MB23SZ switch cylinder is designed with a key spring reset.

Product code	FED
Ordering example for option	M.[System].SZ.MB23SZ.42.NI.FED

4KS switch & switching cylinder | Options & Accessories

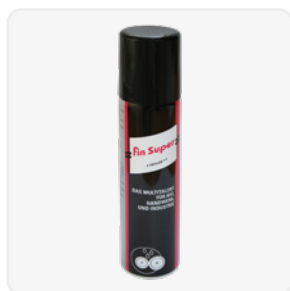
Illustrations and ordering examples are shown using various systems.



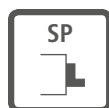
FIN[...] – Spray FinLube

Multi-purpose spray to clean, lubricate and protect.

Variants	0088002458 – Finlube 100ml 0088002431 – Finlube 300ml 0088002423 – Finlube 500ml
Product code	M.TE[0088002458, 0088002431, 0088002423]
Ordering example for accessories	M.TE.0088002431



Sample illustration



SP[...] – Special tail bar

Tail bars in various sizes for precise fitting in switches

Variants	SP01 – Tail bar 1 SP02 – Tail bar 2 SP03 – Tail bar 3 SP04 – Tail bar 4 SP05 – Tail bar 5 SP06 – Tail bar 6 SP07 – Tail bar 7 SP08 – Tail bar 8 SP09 – Tail bar 9 SP11 – Tail bar 10 SP12 – Tail bar 11 SP13 – Tail bar 12 SP14 – Tail bar 13
Technical specifications	Type, width L2 x length L1 x thickness L3 in mm: SP01, 6.5 x 11.3 x 2.0 SP02, 6.5 x 12.3 x 2.0 SP03, 6.5 x 12.9 x 2.0 SP04, 6.5 x 17.8 x 2.0 SP05, 6.5 x 19.5 x 2.0 SP06, 9.0 x 6.8 x 1.5 SP07, 9.0 x 8.8 x 1.5 SP08, 9.0 x 9.8 x 2.0 SP09, 9.0 x 10.2 x 2.0 SP11, 10.0 x 4.3 x 2.0 SP12, 10.0 x 8.8 x 2.0 SP13, 10.0 x 11.8 x 2.0 SP14, 15.0 x 12.0 x 2.0
Product code	SP[...]
Ordering example for option	M.[System].SZ.MR22.25.NI.SP01



TXT – Customer-specific text

Numbering according to customer requirements in addition to system number and key/cylinder number.

Product code	TXT
Ordering example for option	M.[System].PZ.DZ-S.31/31.NI.TXT



Sample illustration



Insert cylinder



Padlock integrated
Padlocks with Snowman profile can be integrated into master key systems with the HZ-S. SNOW padlock insert cylinder.



Garden gate integrated
Garden gates with a CISA® lock can be integrated into master key systems by using a HZ-S.EK insert cylinder.



Panic lock integrated
The HZ-S.CAP insert cylinder allows doors with CISA® panic bars to be integrated into master key systems.

Keys

Profile cylinder

Padlocks

Cam lock

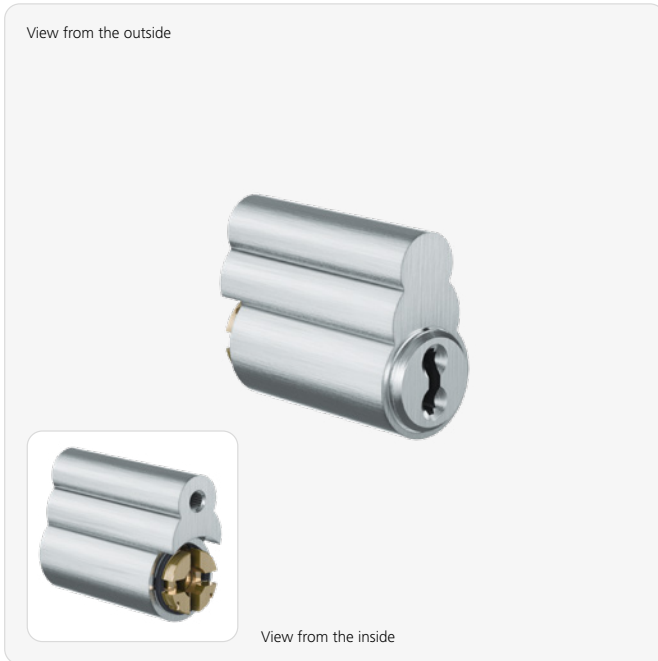
Rim cylinder, outside & inside cylinder

Furniture cylinder

Switch & switching cylinder

Insert cylinder

4KS padlock insert | PZE.SNOW



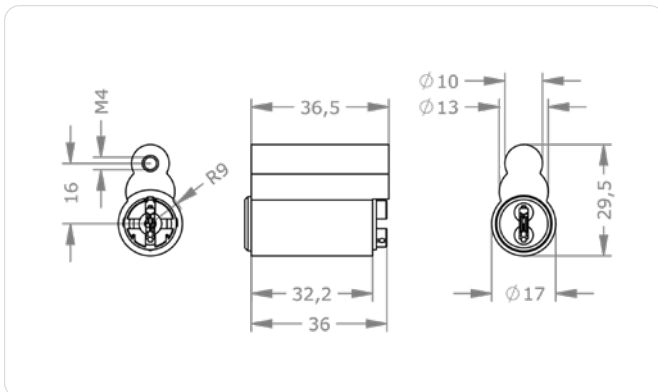
Product description

The 4KS padlock insert PZE.SNOW is suitable for use in a wide range of Scandinavian padlocks with a „Snowman“ cylinder recess. Without a cam

bar on the rear, the cylinder is secured through the rear hole in the body, according to the padlock used.

Technical information

Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	Cylinder insert provided in padlock bodies, designed with a "Snowman" cylinder recess
Included components	Insert cylinder without fixing material



Application examples



Cellar room

The insert cylinder is designed for installation in Scandinavian padlock bodies.



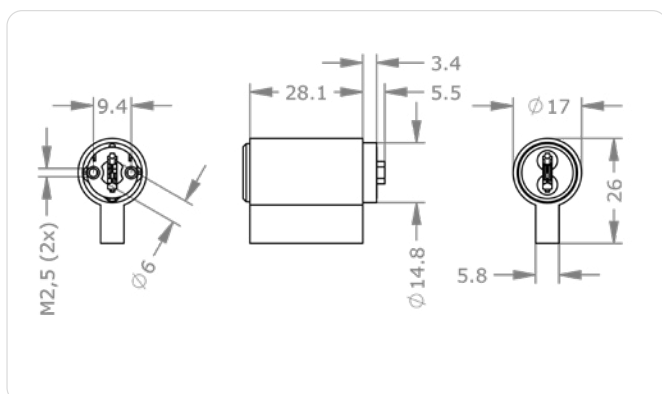
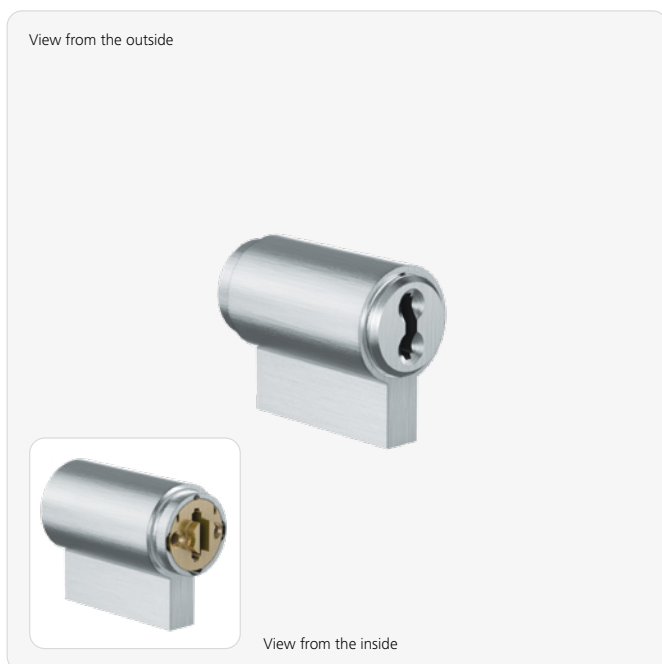
Barriers

Highly suitable for protection against unauthorised opening and closing of barriers.

Ordering

Product code	M.4KS.EZ.PZE.SNOW.[Finish]
Example	4KS insert cylinder for installation in padlock bodies, designed for "Snowman", surface nickel plated with Vario re-coding function: M.4KS.EZ.PZE.SNOW.NI

4KS insert cylinder | PZE.EK



Application examples



Garden gate
Insert cylinder for „Elektrika“
electronic garden door strike.

Product description

The 4KS insert cylinder PZE.EK is suitable for use in conventional CISA® electric locks. It is equipped with a cam bar mounted on the rear side and holes in the plug. Suitable for

a hole pattern larger than 17 mm diameter and for a 6 mm wide bar recess in the electric lock. Fastening takes place in the lock case.

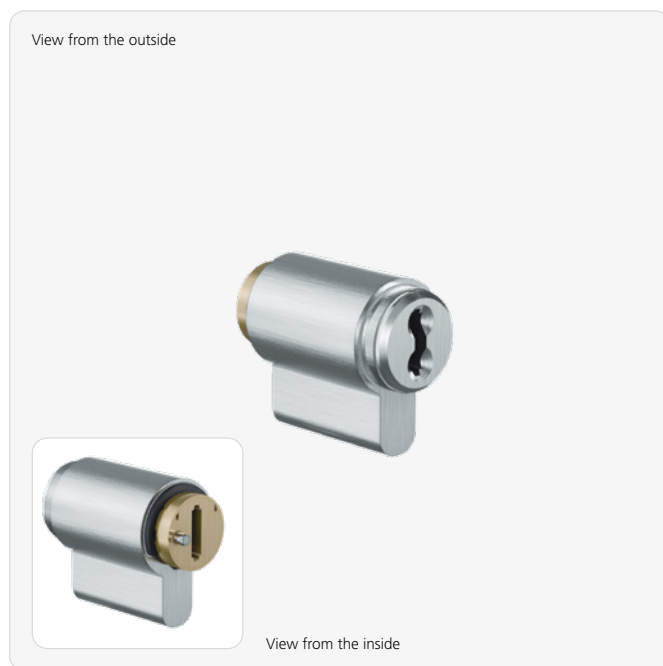
Technical information

Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	Insert cylinder for the inner side of the "Elektrika" garden door strike
Included components	Insert cylinder without fixing material

Ordering

Product code	M.4KS.EZ.PZE.EK.[Finish]
Example	4KS Insert cylinder for the inner side of the garden door strike "Elektrika", nickel plated finish, with Vario re-coding function: M.4KS.EZ.PZE.EK.NI

4KS insert cylinder | PZE.CAP



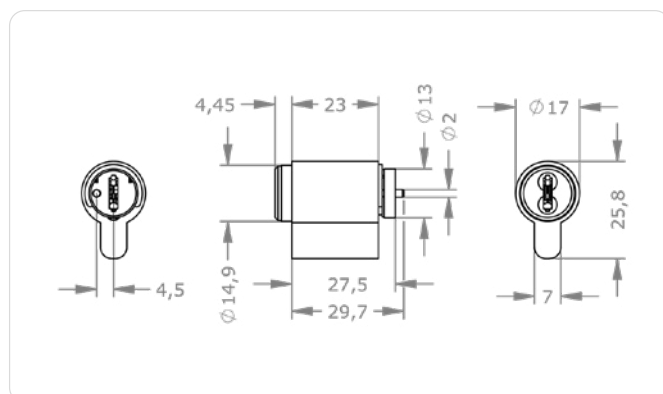
Product description

The 4KS insert cylinder PZE.CAP is suitable for use in standard Italian panic locks. Cam pin on the rear. Fits a pear-shaped recess in the

panic-push handle lock. An application example is e.g. panic-push bars in CISA® anti-panic sets.

Technical information

Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request in at least 18 scanning positions (authorisation positions) 12 springless, linear-controlled locking elements Security elements made of tungsten carbide or hardened steel to prevent drilling and pulling
Technical installation situation	Insert cylinder for installation in lockable outside handles/thumbturns in conjunction with panic bars
Included components	Insert cylinder without fixing material



Application examples



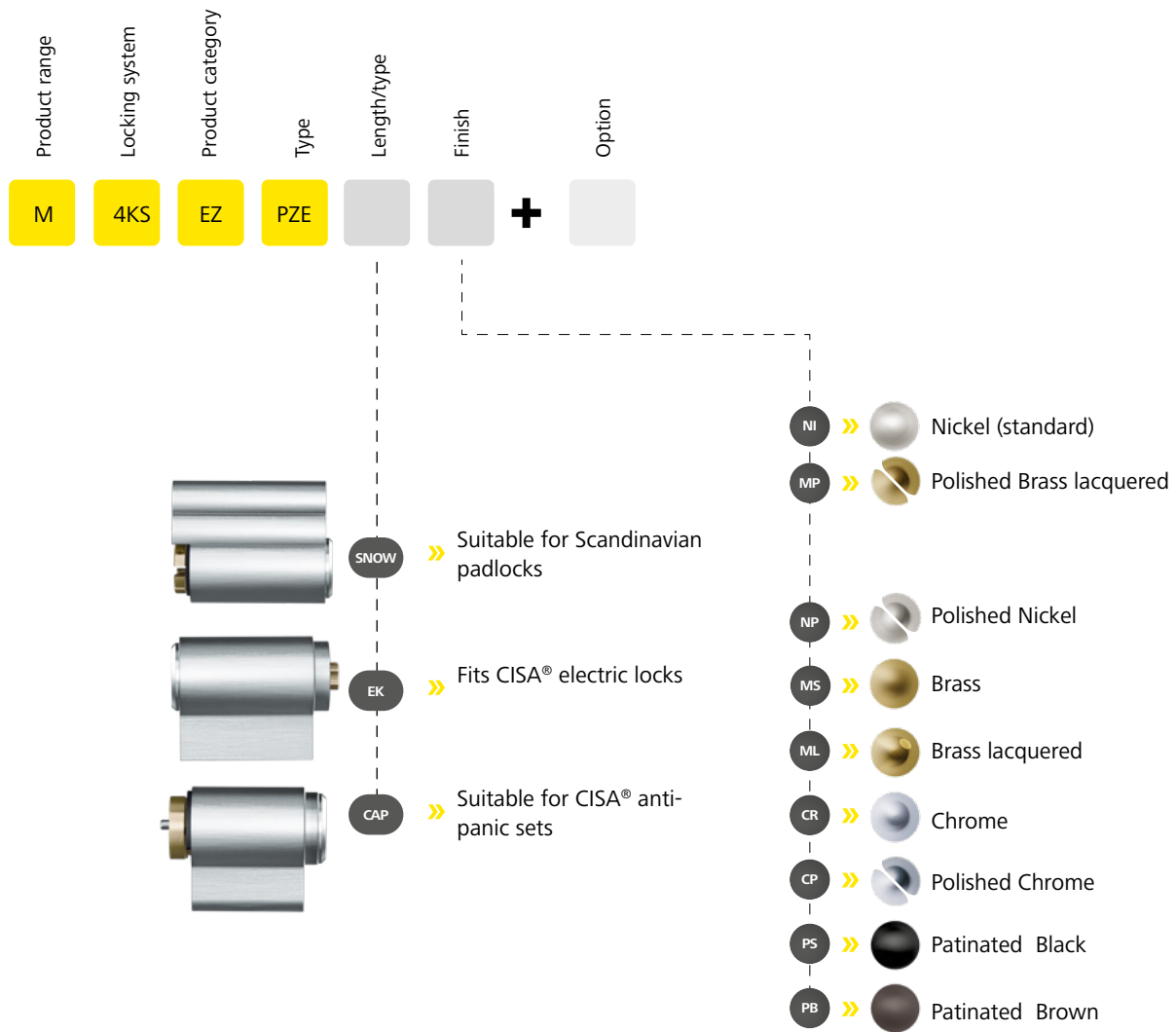
Escape door

The insert cylinder is suitable for locking lockable outside handles in combination with CISA® panic bars.

Ordering

Product code	M.4KS.EZ.PZE.CAP.[Finish]
Example	4KS insert cylinder for lockable CISA anti-panic handle set, nickel plated finish: M.4KS.EZ.PZE.CAP.NI

Versions



4KS insert cylinder | Options & Accessories

Illustrations and ordering examples are shown using various systems.



FIN[...] – Spray FinLube

Multi-purpose spray to clean, lubricate and protect.

Variants	0088002458 – Finlube 100ml 0088002431 – Finlube 300ml 0088002423 – Finlube 500ml
Product code	M.TE[0088002458, 0088002431, 0088002423]
Ordering example for accessories	M.TE.0088002431



Sample illustration



TXT – Customer-specific text

Numbering according to customer requirements in addition to system number and key/cylinder number.

Product code	TXT
Ordering example for option	M.[System].PZ.DZ-S.31/31.NI.TXT



Sample illustration

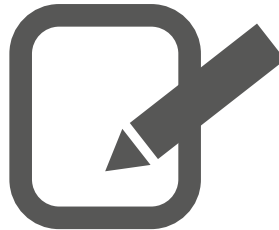
4KS | Implementation

01 Page
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Support
Customer requests, support tools,
system selection, quick test

02 Page
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Planning
Project planning, project planning
tools, prices, standards



03

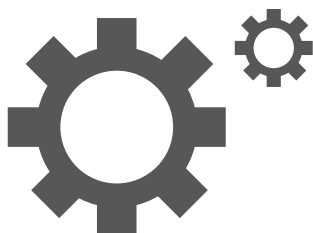
Page
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Setup
Ordering, delivery times, system setup

04

Page
200

Handover & Operation
Documentation, training, support & warranty, maintenance & updates



Support | Parameter, tips and tools



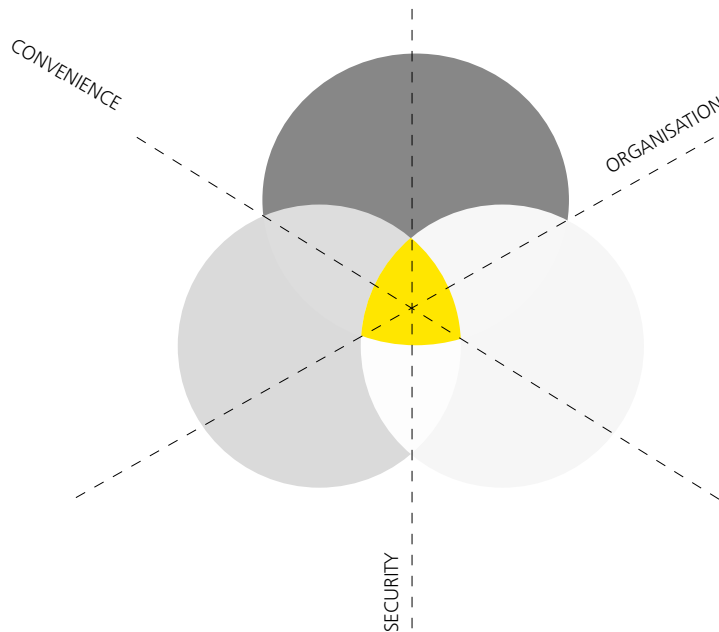
Comprehensive and responsible support is particularly important with regard to security.

For this reason, we at EVVA support our partners with our comprehensive expertise. Firstly, in dedicated training sessions. Secondly, by joining forces with our partners throughout support and planning.

Every access situation is unique

This is also true for security technology. Most of all, it is important to identify the main tasks and the requirements that must be complied with at an early stage.

Ideal security planning always takes into account three central aspects: **Convenience, organisation and security**. This makes individual and efficient solutions possible.



Security

Above all, security requirements depend on the type and structure of the property. Different building areas often have different protection levels with different lock and security technology. to protect persons, tangible assets and intangible assets (personal data).

Organisation

Organisational requirements define how flexible the security technology must be in ongoing operation. The objective is to support and simplify the entire administration.

Convenience

The convenience requirements of user groups (employees, customers, external companies, etc.) significantly influence the choice of security technology. Users differ in their behaviour, trustworthiness, usage patterns and length of stay.

Important issues

What is ideal for one building may be inadequate for another. Even in individual areas within the same facilities there are often different requirements.

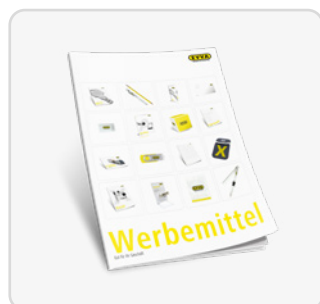
Maximum security is

paramount for sensitive areas, in other areas convenience and simple system operation are in the focus.

Mechanical or electronic solution?

Each facility has different requirements regarding the locking systems that secure it. Purely mechanical or electronic systems may be perfect to suit your needs. Usually, it's a combination of both, making facilities efficient, convenient and secure.

Complete the quick test [» Next page](#)



Wide range of promotional materials

[» EVVA promotional material catalogue](#)



Specialist training sessions

[» EVVA training folder](#)



Visit EVVA

[» EVVA showroom](#)

Consulting | the right locking system

You can only choose the right system once you know your customers' demands. For this purpose, check how the system performance matches customer requirements.

This quick test helps you to decide which leading system is most suitable or which system should be used in the planning. Just add up the points for the corresponding statements and check your results on the following page.



1 Convenience is important to me
 Reversible keys simplify key insertion. For every user – every time.
 10 points



5 I lock everywhere
 A single key that can lock everything – from the entrance gate to the filing cabinet. The wide range of EVVA products makes it possible.
 10 points



9 Full control
 The EVVA security card gives the owner control over repeat orders and system changes.
 5 points



2 Copy-proof keys
 Unauthorised duplication of keys must be precluded.
 20 points



6 Organisation is paramount
 In addition to numerous cylinder types, special designs and options make tailor-made processes possible.
 5 points



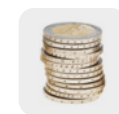
10 True greatness
 Not only large master key systems must be feasible - it must also be possible to map special organisational authorisations, e.g. for building technicians.
 10 points



3 Dirt & Weather
 Wind and weather, harsh working environments - the locking system must be able to cope. Robustness and durability are a must.
 10 points



7 Mechanical - inflexible?
 Thanks to the modular design, cylinders can be adapted again and again to new installation situations - all parts at the ready in a single carrying case.
 5 points



11 Investment secured
 A 20-year after-sales service for the master key system safeguards the investment costs.
 10 points

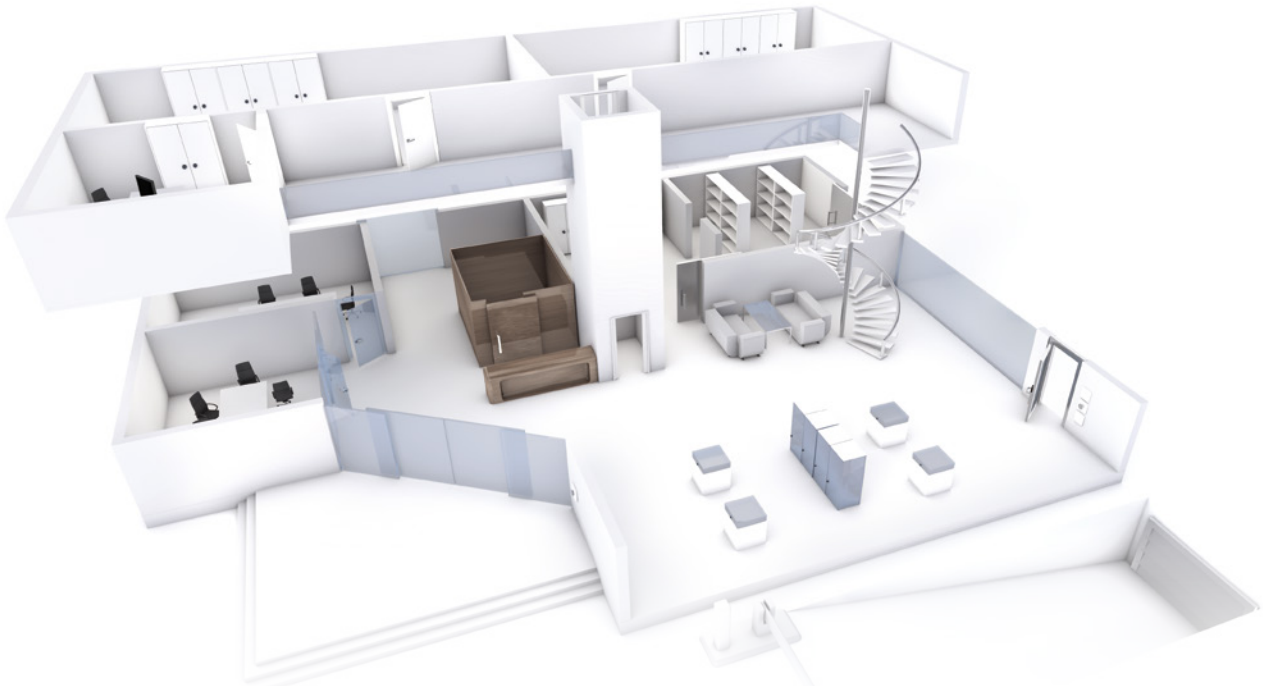


4 Tough for burglars to crack
 Cylinder locks must be equipped with as many protective features as possible to withstand burglary attacks.
 10 points



8 Recognised security
 Valid certifications and approvals provide legal certainty.
 5 points

- Security
- Product range
- Convenience
- Cylinder service life
- Complex system



FPS system
» 0–20 points

The FPS basic system has a wide range of cylinder types and options and is suitable for well-structured master key systems.

EPS system
» 21–40 points

EPS, the pin system in a high-end design, covers a huge range of cylinder types. It is also available as a modular system.

ICS System
» 41–60 points

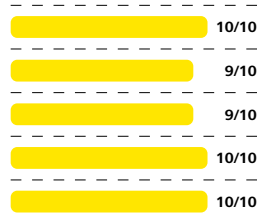
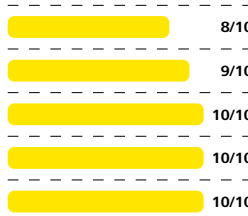
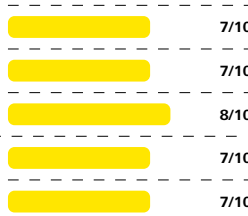
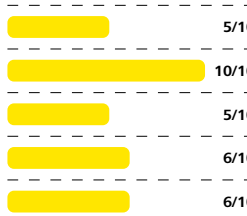
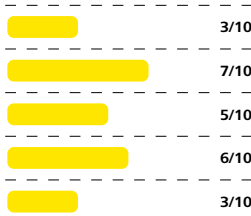
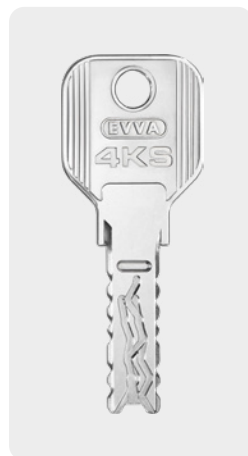
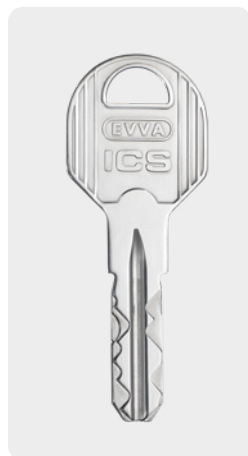
The ICS is a modern locking system with a robust reversible key and high-quality protection devices.

4KS System
» 61–80 points

Extremely large master key systems can be created with 4KS. It is robust like no other, modular and has reversible keys.

MCS system
» 81–100 points

MCS demonstrates its technical excellence with its copy proof keys. When security is not negotiable.



Planning | Creating lock charts

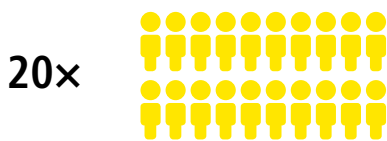
Solid planning of the access areas and groups of persons with access authorisation simplifies implementation and a subsequent expansion. With good advance planning, it is easy to add authorisations or integrate additional cylinder locks into the master key system at a later date, e.g. when extending a building.

1. Project dimensions

An „indicative offer“ can be created quickly based on the number of cylinder locks and keys required.



Access situations
 e.g. doors, furniture locks and barrier systems



Users
 Employees and others
 Authorised



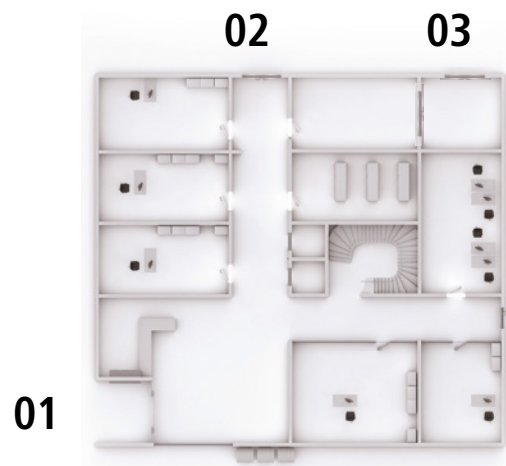
Many customers do not know that devices, furniture or electrical systems can also be integrated into the master key system!

Note the numerous options with which the functions and areas of application of cylinder locks can be expanded.

Sometimes temporary structures are needed during the construction of new buildings. If necessary, ask your EVVA consultant.

2. Doors and security areas

Assign designations to doors and the areas behind the doors using floor plans. Layout plans available on site make work easier.



The checklist can be used to quickly determine the exact cylinder lock requirements of the property.



3. Authorisation groups

Once an order has been placed, the authorisation groups are defined for the lock chart.



Authorisation groups are groups of persons with similar or identical authorisation profiles. A small number of authorisation groups simplify planning, administration and extensions. For example:

A - Management
all areas

B - Production staff
Entrances and exits, production rooms, warehouse

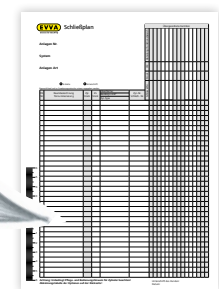
C - Office staff
Entrances and exits, offices, archive

D - Supplier
Warehouse entrance

4. Creating lock charts

Authorisation groups are assigned to doors and security areas in the lock chart.

		A × A - Management	B × B - Produktionsarbeiter	C × C - Büroangestellte	D × D - Lieferant
01 - Haupteingang	1 × M.4KS.PZ.DZ.S.31/36.NI	X	X	X	
02 - Nebeneingang	1 × M.4KS.PZ.DZ.S.31/36.NI	X	X	X	
03 - Lagereingang	1 × M.4KS.PZ.DZ.S.36/36.NI	X	X		X



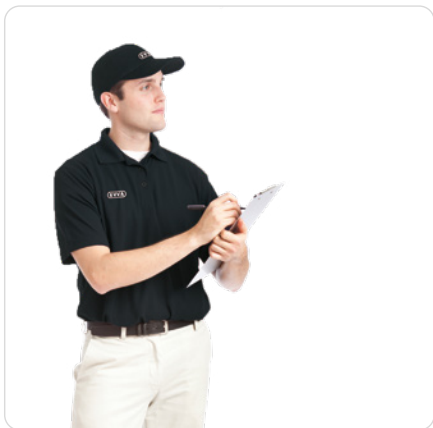
For complex master key systems EVVA supports you with a lock chart check. Beforehand, the implementation possibilities and customer wishes in the required system can be checked here. Always try to keep the number of authorisation groups as small as possible. This brings the advantage of a clearly understandable authorisation structure that is easy to read in the lock chart.

We recommend using the EVVA planning and ordering software Access Designer to create and transmit large master key systems.

Planning | Standards

Standards play an important role in security technology. They create legal certainty, application guidance and provide a framework of what is permitted/possible. If the respective locking situation/door

situation is known, it is easy to determine which requirements exist with regard to fire and smoke protection, burglar resistance and emergency exit locks.



In no time at all norm compliant.

EVVA supports its partners with planning expertise and relevant training.

» More information on this can be found in the current price list.



EN 1303 Mechanical cylinder locks

This standard classifies the attack resistance and locking security of cylinder locks, etc. Compliance with the corresponding security class permits use in burglary-resistant doors in accordance with EN 1627:

EVVA cylinders are of the highest quality, which can be recognised by the classification code: e.g. 160B0C6D

- 1 = Usage class
- 6 = Durability testing for 100,000 test cycles
- B = Fire resistance
- C = Corrosion resistance and temperature cl.
- 6 = Highest level of locking security
- D = Highest level attack resistance

Product example:
 » Double cylinder DZ



Fire resistance

EVVA mechanical cylinder locks are tested for 90 minutes fire resistance. This also makes them suitable for use in fire and smoke protection doors.

- Product examples:
- » Fire section doors EI₂ 90-C₅: in this case, a cylinder for 90 minute fire resistance must be installed.
 - » Double cylinder DZ

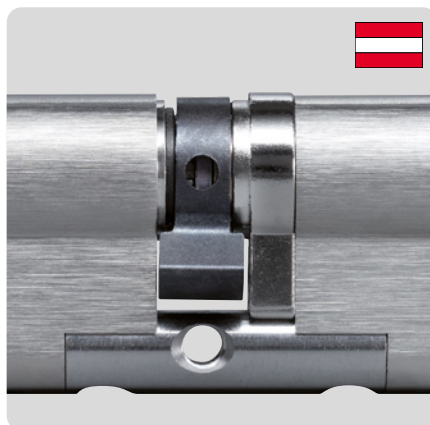


EN 1125 + EN 179 Emergency exits

In compliance with these European standards for panic and escape route locks, the components must always be tested for compatibility with each other.

Product examples:

- Double cylinder DZ
- FZG free-wheel key with panic function



ÖNORM B 5351 Security classes

This Austrian standard defines the resistance classes of cylinders with Wz1 (-BZ) to Wz6 (-BZ). According to ÖNORM B 5338, this achieved security class allows use in a burglary-resistant door with the corresponding resistance classes Wk1 to Wk6.

Product example:

- Double cylinder DZ



VdS Association VdS BZ(+)/VdS***

The German independent association VdS produces security and fire protection guidelines containing stringent requirements which are an enhancement of EN 1303, DIN 18252 and other standards.

Class BZ(+)

These cylinder locks with pulling protection offer medium-level security against burglary and high-level security against attempted unlocking and are recognised for use in switch devices for burglary alarm systems. Due to the integrated pull protection, they can be used in combination with burglar-resistant doorplates that do not have pull protection (class B or higher).

Product example:

- Double cylinders with VdS option



Institute SKG SKG***

This national Dutch regulation specifies the marking of burglary-resistant building products for installation in burglary-resistant doors. SKG*** is the highest classification of burglary-resistant cylinders.

Product example:

- Thumbturn cylinder with SKG option

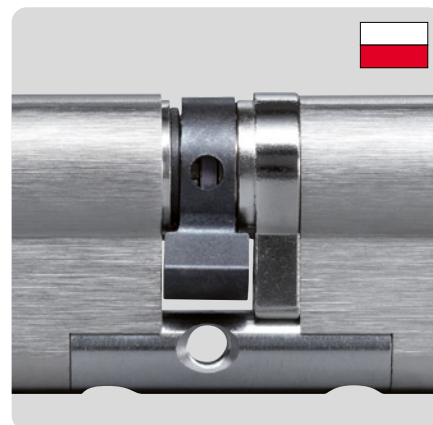
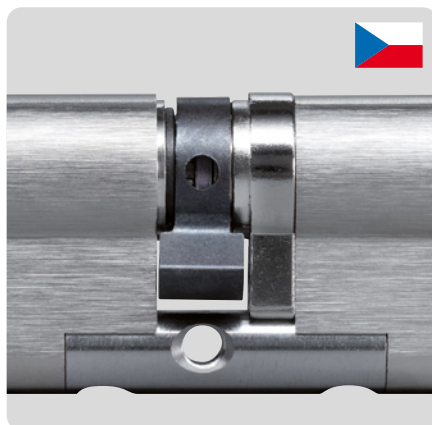


Testing institute SBSC

Successful testing of a profile shape by this institute ensures compliance with national standards and allows use in the Swedish market for specific requirements. The SS 3522 certificate identifies the cylinder suitable for use on burglary-resistant doors.

Product examples:

- Rim cylinder and outside cylinder
- Scandinavian oval profile cylinder



NBÚ certificate

The Czech National Security Agency issues product certificates for products certified according to ČSN EN 1627 based on tests performed by an accredited test centre. This officially certifies the burglary-resistant properties of the cylinder.

Product example:

- Double cylinder DZ



Trezor Test

The Czech institute Trezor Test is an accredited testing institute for burglary resistance. EVVA cylinders are continuously tested here in accordance with European standards ČSN EN 1627, ČSN EN 1303 and national guidelines.

Product example:

- Double cylinder DZ



IMP testing institute

The Polish National Testing Institute IMP tests and certifies cylinders for burglary resistance and function in accordance with PN EN 1303 and national guidelines. Burglary classes A,B,C describe the burglary-resistant properties of the cylinder.

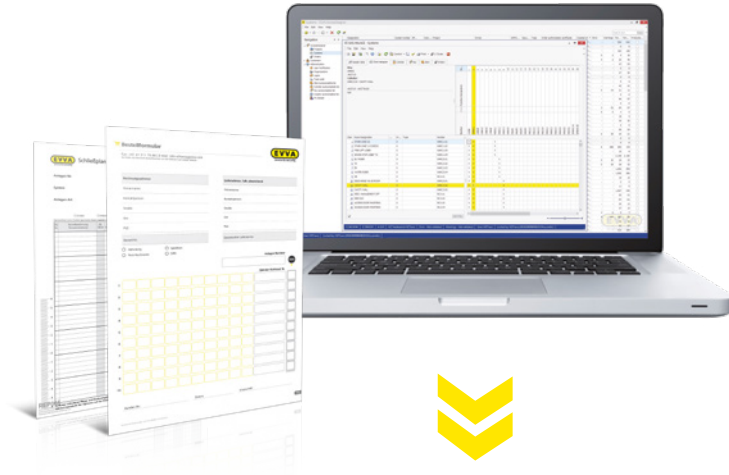
Product example:

- Double cylinder DZ

Installation | Let's get started

Your order:

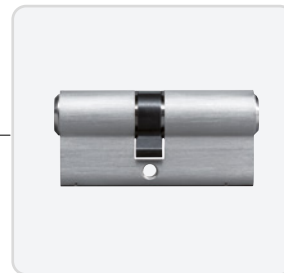
Order successfully with AccessDesigner or lock chart template.
After technical and installation evaluation of your order, your order will be manufactured.



Deliverable in 10 days

EVVA's sensational delivery promise: Cylinders delivered to the desired delivery address within 10 days of order confirmation.*

* Switzerland, Czech Republic, Slovakia, Poland up to 20 units. More information in the reseller price list.
** FPS and EPS systems
*** EPS, ICS, 4KS, MCS, AirKey and Xesar systems



Compact cylinder**.



If the door dimensions are known very late, then locking systems in modular SY-MO*** design are ideal. Subsequent adaptations are possible.

Fast assembly

The cylinders and keys are sorted and delivered with a lock chart. This allows cylinders to be quickly allocated to the installation location and then installed.



Installed with protrusion

The SY-MO*** modular system allows cylinders to be adapted at any time. An enormous advantage for tight deadlines and door or fitting dimensions that deviate from the planning.



Sample illustration

EVVA quick help

Need help with assembly? EVVA provides you with a technical support hotline.

Handover & Operation | Components

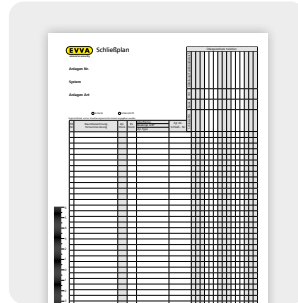
Documentation

Documentation can be handed over to customers to facilitate and ensure maintenance and adaptations to the system.

Said documentation may consist of several elements.



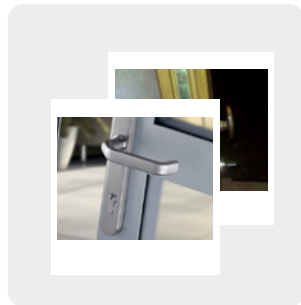
Project documentation



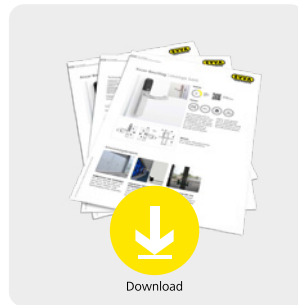
Lock charts



Plans of the development project



Photographic evidence of doors and areas with restricted accessibility



Data sheets and instructions for use



Handover report

Handover

After installation, the keys and the lock chart are handed over. The master key system is now commissioned.



Key handover

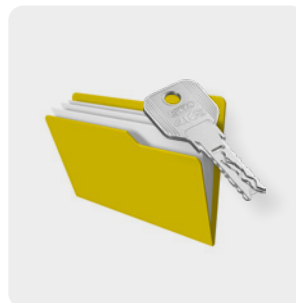
Support & Warranty

EVVA products are largely maintenance-free. However, EVVA ensures that any occurring issues are quickly and efficiently dealt with, regardless of whether before or after setup:



EVVA hotline

EVVA partners have access to a mechanical products technical support hotline.



Product history

All manufacturing data relating to EVVA master key systems is archived by EVVA.

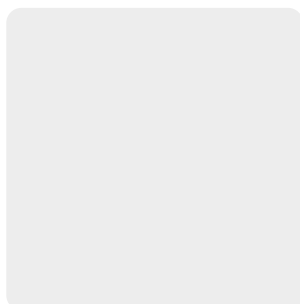


Delivery

EVVA always strives to provide attractive delivery dates. Ask your EVVA consultant.

Maintenance & Updates

Excellent reasons to stay in touch after successful implementation.



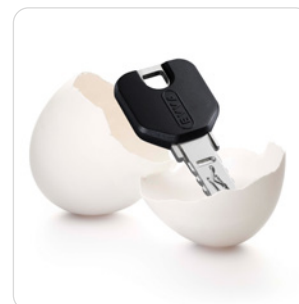
Checks

EVVA recommends annual maintenance of the system to ensure a long service life of products.



Updates

New standards and guidelines may require modification of existing systems.



New products

We are continuously enhancing our range. Customers demand new functionalities. As a result, a regular exchange of ideas benefits everyone involved.

Imprint

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