

EVVA
access to security



MCS

100% key copying protection

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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 subsidiaries, 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

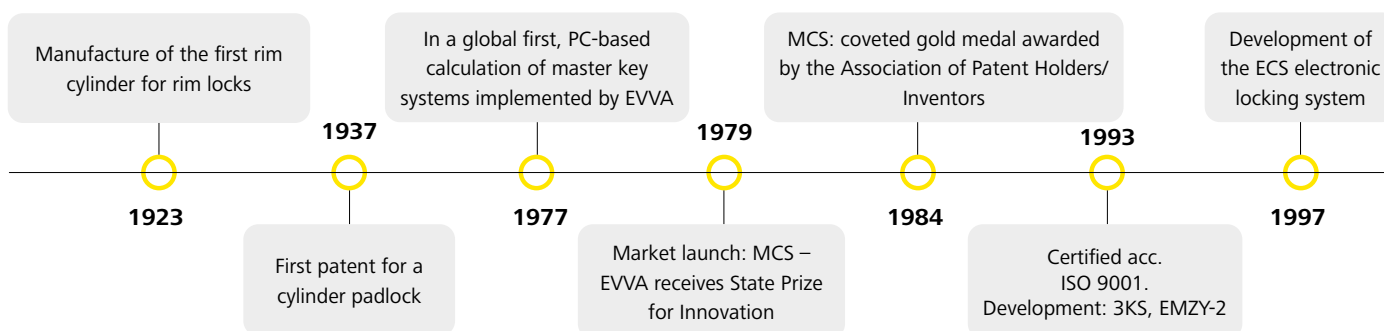
The long-established company EVVA is one of the best suppliers of mechanical locking systems.

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 subsidiaries
750 employees throughout Europe
EVVA supplies to over 50 countries all over the world
TRIGOS Award 2012
2011 City of Vienna environmental award
ÖKOPROFIT award each year 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, 3KSplus)

ICS market launch

2009

Launch of the innovative, electronic Xesar and AirKey systems

2014

4KS market launch

2016

Launch of bluetooth-function with AirKey

2018

Xesar software release 3.0

2019

New patent for EPS and FPS

2021



MCS. 100% protection against copying

With MCS's worldwide unique security, each user can rely on a locking systems with unparalleled security. This is firstly down to the key's 100% copying protection and secondly, comes as a result of the system's extensive calculation capabilities. Capacity reserves can already be integrated when planning the master key system. Consequently, your facility can continue to grow and MCS grows with it.

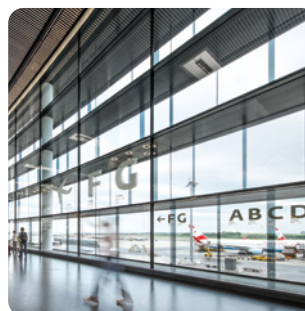


The benefits of MCS at a glance

- › Cannot be reproduced by 3D printers
- › For complex master key systems
- › High levels of protection against burglary
- › Patent protection until 2035 at the latest*

The access system for complex master key systems

MCS is ideal for master key system with high demands on perfection and security. Especially in properties where valuable, highly sensitive and irretrievable objects must be protected. For example in hospitals, airports and government buildings.



Vienna Airport, Skylink | AT

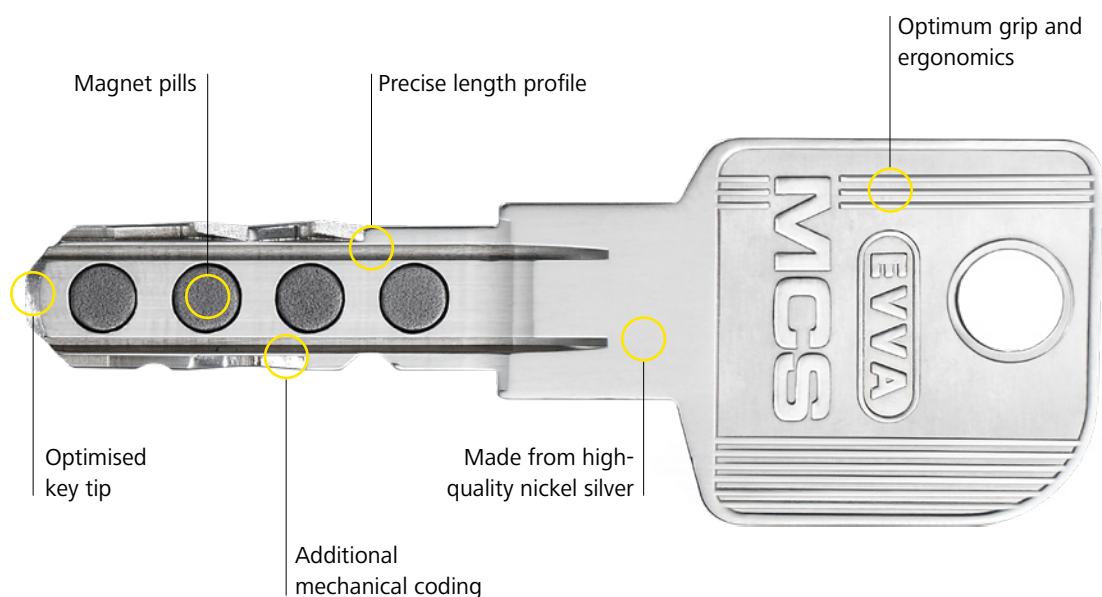


SIG Energieservices | CH

* according to EP3221536
For country-specific patent protection, see worldwide.espacenet.com

MCS. One system, many details

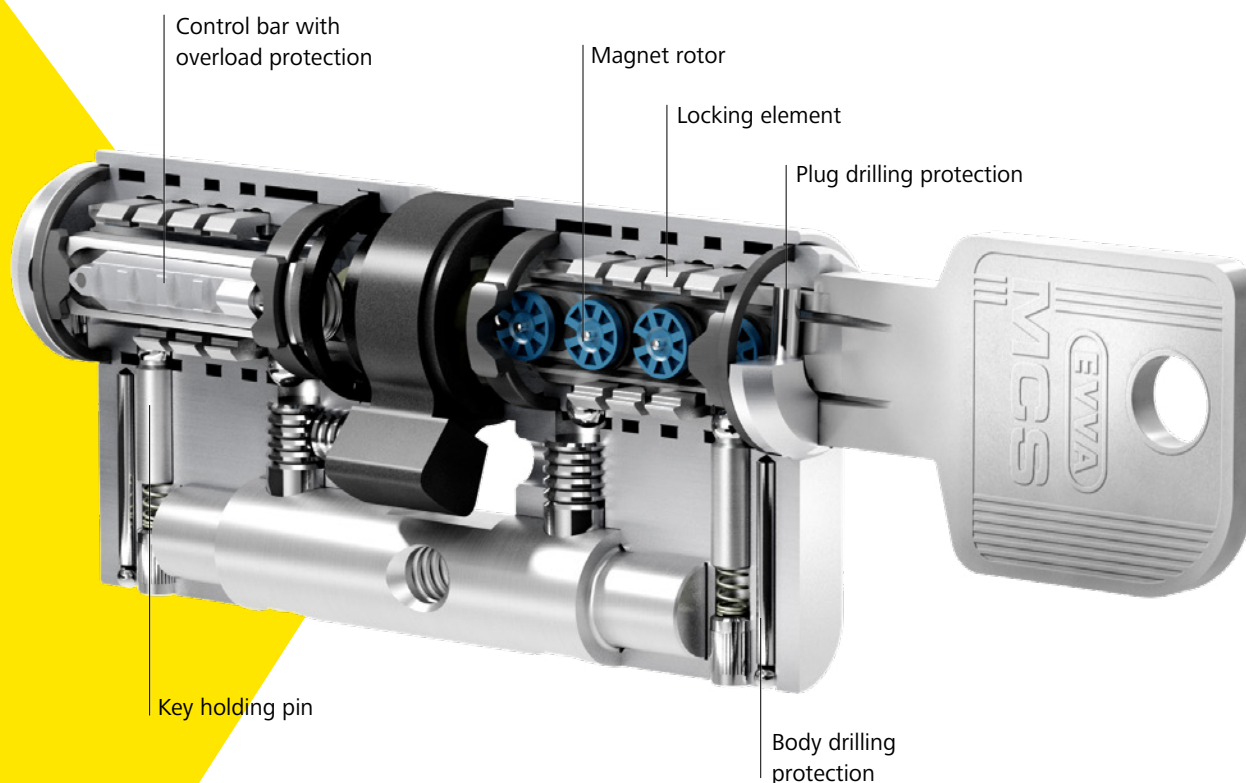
The MCS cylinder contains eight freely rotating magnet rotors to the left and right of the keyway and each one is assigned to one of the four magnet pills on MCS keys. The magnet rotors are brought into a locking position using keys with access authorisations. Mechanical components arranged above grant permission to unlock components. MCS keys combine no less than two technologies for triple security: one magnetic and two mechanical codings.



Practical, handy and appealing

Optionally, MCS keys are available in many different colours. The colour coding helps to easily distinguish between keys.



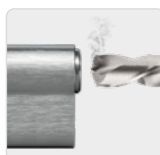


All-round protection:

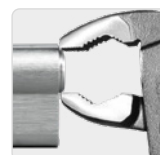
Copy keys, additional cylinders and lock charts are available from authorised EVVA Partners but only with corresponding proof of legitimacy, the EVVA security card.

Benefit from the security features

The reliable MCS cylinder technology offers lasting protection against illegal opening methods.



Drilling protection



Plug pulling protection



MCS | Solutions



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10

Office buildings with high security requirements

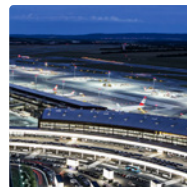
Sensitive data optimally protected
Banks, consulting companies, financial trustees



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12

Retail Luxury Goods

Valuable goods in the best hands
Exclusive jewellers and boutiques

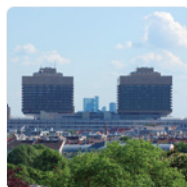


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International airports

Maximum security for frequently used doors
International aviation hubs

Page
16



Hospitals and Pharmacies

Optimum security for patients and staff
University and Private Clinics, Pharmacies

Page
18



Residences

Optimum protection for people and property
Mansions, embassies

Page
20



Distributed infrastructure, IT service provider

Basic supply reliably secured
IT companies, city councils, energy
suppliers

MCS | Office buildings with high security requirements



Volksbank Ost | Austria

Property	Volksbank Ost
Building type	Office building
Location & Year	Schwechat (AT) 2013
Units	48 MCS cylinders

Special features of the project:

In banks and financial institutions, high-quality security technology naturally plays a major role - both in terms of burglary and theft, as well as data protection. The 17 branches of Volksbank Ost have been relying on EVVA's security expertise for years. MCS offers keys that cannot be copied. In this way, the bank's high security requirements are covered 100%.



Raiffeisen Central Bank | AT

Secure sensitive data

Knowledge is power. This statement has been more relevant than ever since Wikileaks. Sensitive data must therefore be reliably protected. If a key is lost, it must be ensured that it cannot be copied illegally. Is this possible?

With MCS, this is possible. MCS offers keys that are 100% copy-proof. In addition to plug pulling and drilling protection, the cylinder also offers anti-snap protection and tamper protection and is recommended by the German Federal Office for Security and Information Technology (BSI).



Security squared

This is where thieves meet their master: Cylinder with anti-drilling and plug pulling protection, anti-snap protection and increased protection against tampering. For those who don't have enough security: MCS from EVVA

MCS at a glance
 » page 6



Sensitive data

The amount of data keeps increasing and new server rooms are added later - no problem with MCS. Master key system reserves can also be taken into account in the lock chart calculation.

Master key system
 » page 30

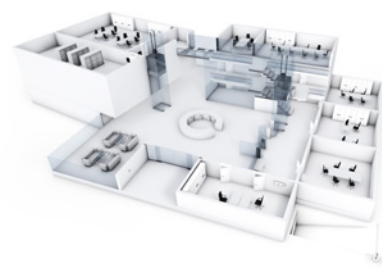


100% key copying protection

MCS prevents illegally produced keys from getting into circulation. Thanks to the magnetic pills, the MCS key cannot be copied even with modern 3D printing processes.

MCS key
 » page 35

see the system overview
 » from page 28



MCS | Trade in luxury goods



Brunello Cucinelli | Austria

Object	Brunello Cucinelli
Building type	Retail luxury goods
Location & Year	Vienna (AT) 2012
Units	12 MCS cylinders

Special features of the project:
the success story of the traditional Italian house began in Solomeo in 1985. With three knitting machines, Brunello Cucinelli laid the foundation for his company and today operates one of the most successful Italian fashion brands in the Luxury Clothing sector. Security plays a very important role in trade in luxury goods. That’s why Cucinelli chose MCS. A key that cannot be copied, a cylinder that is almost impossible to crack and the comprehensive range of cylinders convinced the company, long-term.

Kissinger vineyard | DE



Security is not a luxury

Expensive jewellery, valuable watches or exquisite leather goods - luxury goods do not only attract an affluent clientèle. For this reason, burglary protection is particularly important in the luxury goods branch. Convenience is no less important - only one key locks the business portal, the showcase and the vault. However, only the manager may lock the latter.

MCS is not only highly secure, but also convenient. Thanks to the magnetic pills, the MCS key cannot be copied illegally and thanks to the wide range of cylinders, jewellery display cases, business portals and workshops can be locked using just one key. Who is allowed to access which areas is defined in a smart master key system.



No matter where

Whether cylinder for the entrance door, the showcase, the display case or the switch for the sliding door - the wide MCS cylinder range offers the right cylinder for every location.

MCS Cam lock
 » page 81



No matter who

A single key for the entrance, display case and vault. The apprentice only locks the shop portal, the employee additionally locks the showcase and the manager is the only one who can also lock the vault.

Master key system
 » page 30

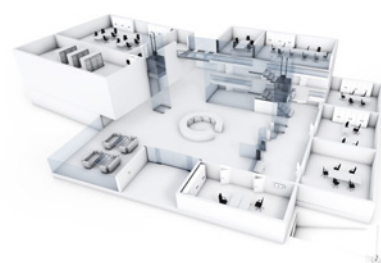


You can never be too secure

MCS keys cannot be illegally copied. And only EVVA legally manufactures them under high-security conditions and then only on presentation of the security card.

The MCS key
 » page 35

see the system overview
 » from page 28



MCS | International Airports



Vienna airport, Skylink | AT

Object	Vienna Airport property, Skylink
Building type	International airport
Location & Year	Vienna (AT) 2013
Units	16,677 MCS cylinders

Special features of the project:

Favoured by its geographical location in the centre of Europe, Vienna International Airport positions itself as one of the most important hubs to Central and Eastern Europe. The infrastructure can be compared to that of a small town. EVVA has already equipped all airport buildings with the MCS locking system. The planning of the group keys was the biggest challenge when building the latest terminal. As the room designations were ‚tweaked’ right up to the end, this master key system was an exciting challenge that EVVA was able to successfully master thanks to its extensive expertise.

Vienna airport, Skylink | AT



© Austria-max

Security from A to B

Travellers, flight and security staff, off-duty employees - thousands of people coming and going from A to B at the airport day and night. The highest security standards must be met, traffic flows must be managed cleverly and safely, and forward-thinking must be applied to the planning of the airport.

MCS is this well-organised master key system that not only meets the increased security requirements at airports, but can also resolve a wide variety of door scenarios in a demanding locking hierarchy thanks to its versatile range. Last but not least, the MCS key is also 100% copy-proof.



In no time

The switch is turned once and the suitcases are already moving along the conveyor belt towards the aircraft. With the MCS switch cylinders, this can be done in no time at all.

MCS switch cylinders
 » page 133



Shopping pleasure

The airport is growing and shopping opportunities are also growing with it. It is good that master key system reserves have already been included in the airport planning.

Master key system
 » page 30

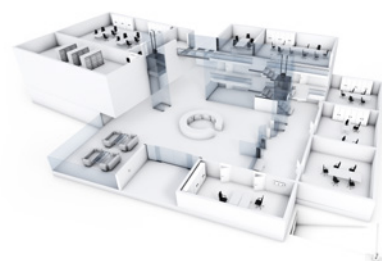


Installation requirements

MCS has a wide range of cylinders and can resolve almost any door scenario. This also applies to special technical enclosures that can be integrated into the MCS master key system.

MCS Euro profile cylinder
 » page 42

see the system overview
 » from page 28



MCS | Hospitals and Pharmacies



Vienna General Hospital | AT

Barmherzige Schwestern Hospital | AT
Klagenfurt Regional Hospital | AT



Property	AKH Vienna
Building type	Health care facilities
Location & Year	Vienna (AT) 1994
Units	over 120,000 MCS cylinders

Special features of the project:

The Vienna General Hospital (AKH) is the university clinic for the city of Vienna. It is the largest hospital in Austria and one of the largest in Europe. 62 outpatient units, 51 operating theatres, 10 university institutes and 330 special outpatient facilities etc. are operated on a floor space of 337,696 m². This 2000-bed hospital with its 9000 employees could only be equipped with the MCS master key system, because no other system is capable of providing the highly complex master key system on which the AKH's security is based.

Security in good hands

Patients, visitors, hospital staff and facility service staff come and go. Additions and extensions, restructuring and the highest security standards to be fulfilled. A hospital has to reconcile so many demands.

MCS can do that. MCS maps sophisticated locking hierarchies for different user groups in lock charts, offers a wide range of cylinders and optimum burglary protection, as well as a 100% copy-proof key.



Securely closed

Equipped with an MCS cylinder, the so-called poison cabinet is reliably secured against illegal access. Because illegal copies of MCS keys are certainly not in circulation.

MCS furniture cylinder
 » page 119



Open sesame

Sensitive areas in hospitals must be particularly well secured and access must be strictly regulated. MCS resolves master key systems with highly demanding hierarchies.

Master key system
 » page 30

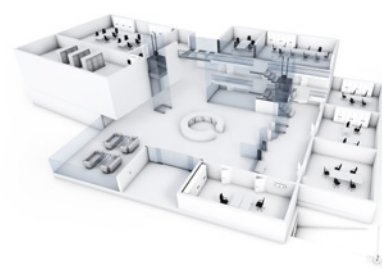


Securely up and down

MCS also offers cylinders for installation in functional circuits of lift systems. Ideal in hospital lifts that need to switch over to a priority function in an emergency.

MCS switch cylinders
 » page 133

see the system overview
 » from page 28



MCS | Residences



Nigerian Embassy Vienna | AT

Property	Nigerian Embassy Vienna
Building type	Residences
Location & Year	Vienna (AT) 2013
Units	3 MCS cylinders

Special features of the project:

Embassies and international organisations have been satisfied customers of EVVA for many years. The embassy of the Federal Republic of Nigeria in Vienna has also turned in confidence to EVVA. The MCS locking system was chosen. The decisive factor for the decision was the system's unique magnet technology. This means that keys cannot be illegally copied, which drastically minimises the security risk.

Residing with security

The beautiful, large villa, quietly situated on the edge of the forest, or the embassy residence in the city with back and side entrances as well as lattice and garage doors - all access situations that all pose a potential risk of burglary. And even if an alarm system provides good security, it is no substitute for high-quality mechanical protection.

MCS is a high security magnetic locking system with a cylinder that offers plug pulling and drilling protection as well as snap and tamper protection and has a key which is 100% copy-proof.



Stand up to burglars

Stand up to burglars and combine the alarm system with MCS, the highly secure magnetic locking system that can neither be easily cracked by destruction nor manipulation.

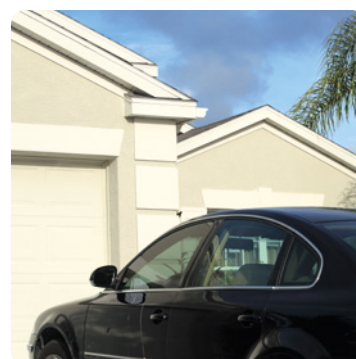
MCS profile cylinder
 » page 42



Highly adaptable

MCS is not only secure, it is also attractive. From a variety of different finishes, you can choose the colour for the cylinder that best matches the overall aesthetic.

MCS profile cylinder
 » page 42

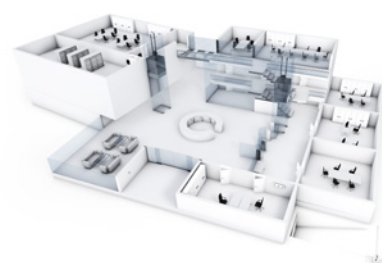


Beautiful and certainly powerful

Burglary protection also for the many horsepower in the garage. With MCS in the key switch, this is not only reliably secure, but also convenient.

MCS switch cylinders
 » page 133

see the system overview
 » from page 28



MCS | Distributed infrastructure and IT service providers



SIG Energieservices | CH

Property	SIG Energieservices
Building type	Distributed infrastructure and IT service providers
Location & Year	Lignon (CH) 1990
Units	350,000 MCS cylinders

Special features of the project:

SIG is a public service provider in western Switzerland that works on behalf of the Geneva municipality. SIG provides energy, water, environmental and telecommunications services. SIG customers include, for example, 60,000 Genevans who are supplied with heating and cooling. It was important to SIG that a highly secure locking system was used. The MCS is highly secure because the magnetic pills on the key prevent it from being copied illegally.

Distributed security

Stand-alone switch and distribution boxes of infrastructure operators must be particularly well protected against illegal manipulation. A failure of the power supply, for example, results in high consequential costs and damage to the company's image.

MCS offers reliable protection against illegal manipulation. The cylinder is recommended by the German Federal Office for Information Security (BSI) and the key is 100% copy-proof. This ensures that no illegal keys can come into circulation. MCS also offers a wide range of cylinders.



Simply versatile

It's a good thing that MCS also has cam locks in its product range, so that the power distribution cabinets, spread across the country, can also be reliably secured.

MCS Cam lock
 » page 81



Secure flexibility

The MCS padlock is the best and, above all, the most secure choice for everything that must be reliably secured at a later date.

MCS Padlock
 » page 75

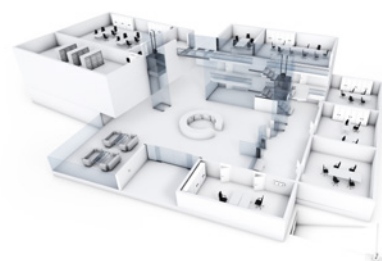


Set a sign

Set the scene for security. With MCS, it's easy. Because the cylinder is highly secure and the key is 100% copy-proof.

The MCS key
 » page 35

see the system overview
 » from page 28



MCS | The versatile range

Page
74
Padlocks



« Solid protection of cabinets and cellar doors.

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

Page
42
Profile cylinder



Page
132
Switch cylinders

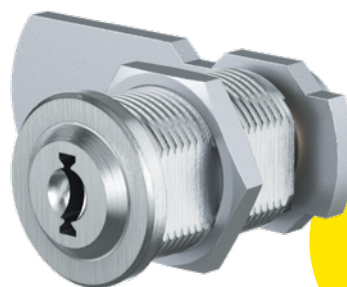
» Secure switching and
handling is a simple child's
play with these cylinders.



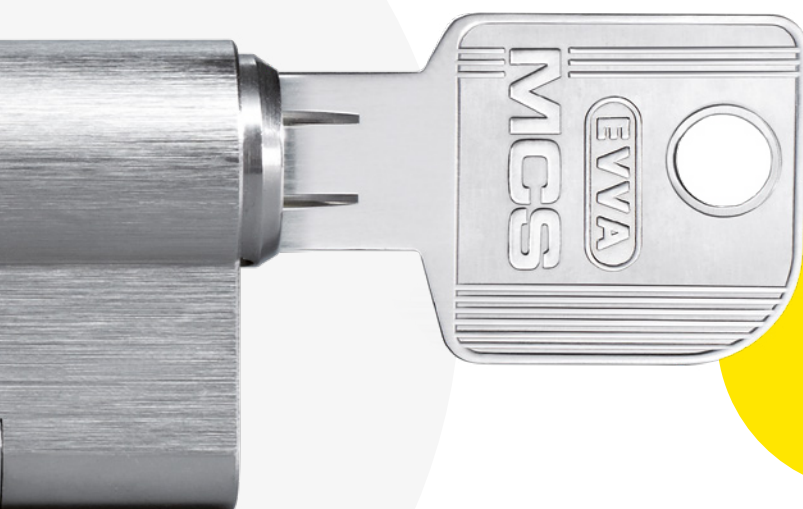
Page
118
Furniture cylinders

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. »

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



Page
80
Cam lock



Page
34
Keys

« A key with special features -
durable and 100% copy-proof



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

Page
98
Inside and outside
cylinder

System overview | Benefits



A solid investment

Building extensions and conversions can be easily implemented with well-planned master key system reserves.



More liberty with AirKey

Grant access authorisations flexibly with AirKey. The smartphone is the key. Event logging included.



Well organised

External service technicians and suppliers can be easily integrated into the master key system concept.



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.

Secure building shell

All access points are optimally secured with the tamper-proof MCS cylinders. For particularly vulnerable areas, we recommend our MCS security options.



Don't panic
The security of building users has the very highest priority. MCS cylinders meet all the requirements of the important standards.



One for all

Use MCS to also lock automatic barriers or garage doors and the building perimeter.

System overview | Benefits



100% key copying protection

The MCS key is 100% copy-proof. MCS can also be used as a combi key in combined master key systems.



Organisation and security

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



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, valuables or hazardous goods and the offices of the management - all these areas must be individually secured.

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 MCS switch cylinders.



Flexible use

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



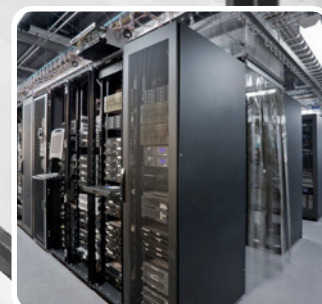
Burglary and vandalism

The protection of valuables, equipment 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 MCS range of cylinders fits familiar installation situations and many more.

System overview | MCS floor plan

Due to their features and numerous variants and options, MCS cylinder locks 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.



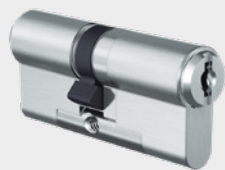
Furniture cylinders
ensure secure storage of
important documents.
» from page 120



Half cylinder
suitable for barriers, key switches,
lifts, tubular safes and many more
situations.
» pages 50, 58

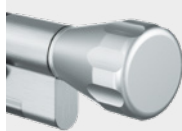


**Switch cylinder with integrated
micro-switch**
control of electronic systems such
as automatic closing doors or fire
alarm systems.
» from page 136



Double cylinders
are suitable for internal and external doors and can be configured with numerous versions and options.

» page 46, 54



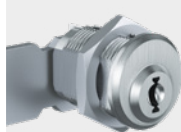
Thumbturn cylinder
allows convenient opening and closing without keys.

» pages 48, 56



Switch cylinder
operate control elements such as those in lift systems.

» from page 134



Cam lock
In show cases and display cabinets or as a mandatory security feature when issuing keys.

» from page 82



next page

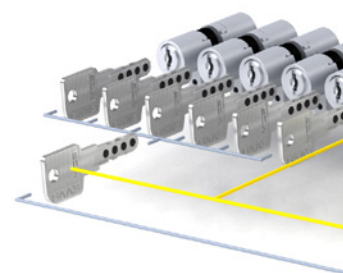
Cylinder locks and access authorisations are used to create a tailor-made master key system.

System overview | Master key system & Structure

MCS master key systems

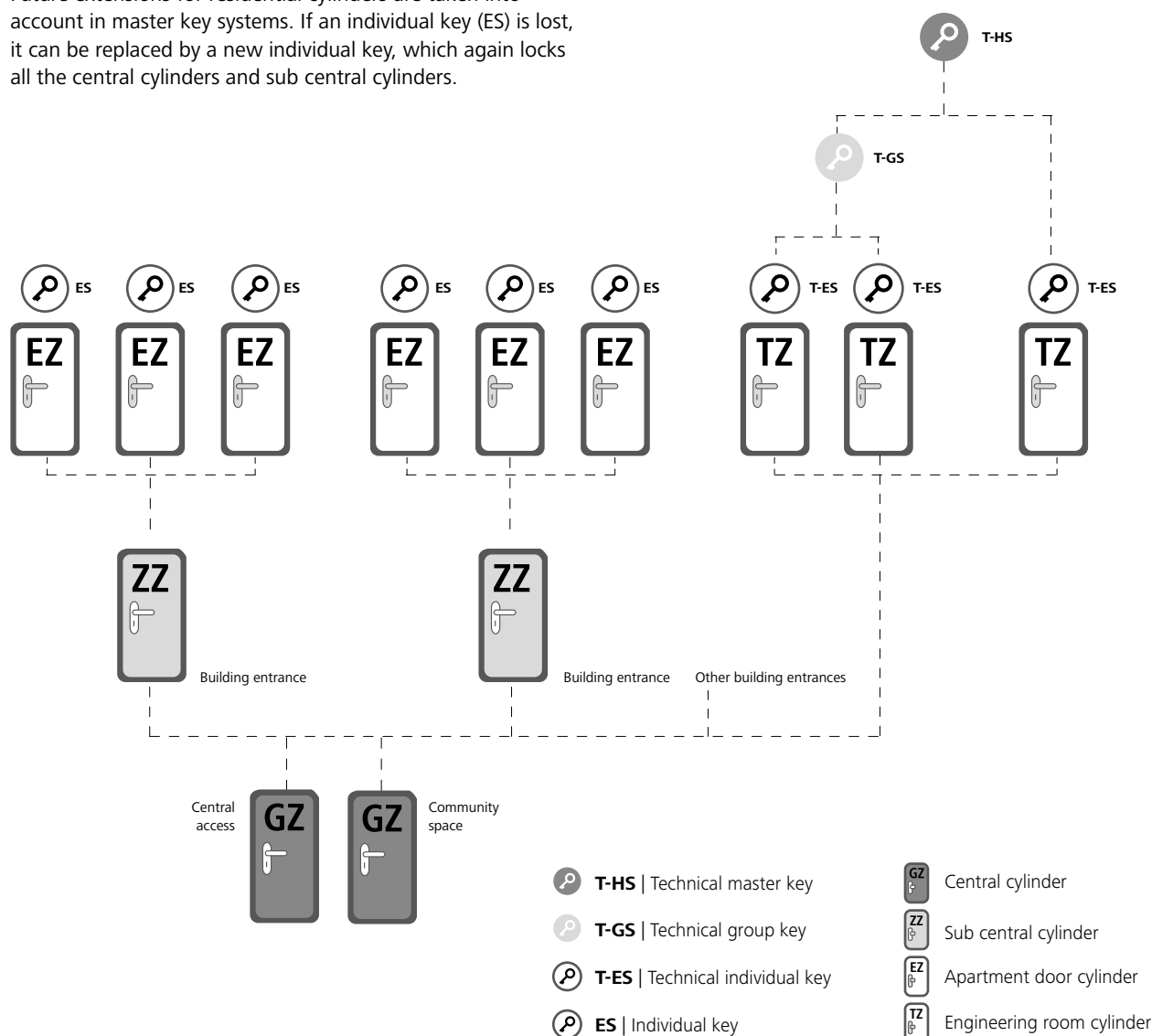
EVVA has been developing lock charts with its project partners for almost 100 years with a great deal of know-how and great success.

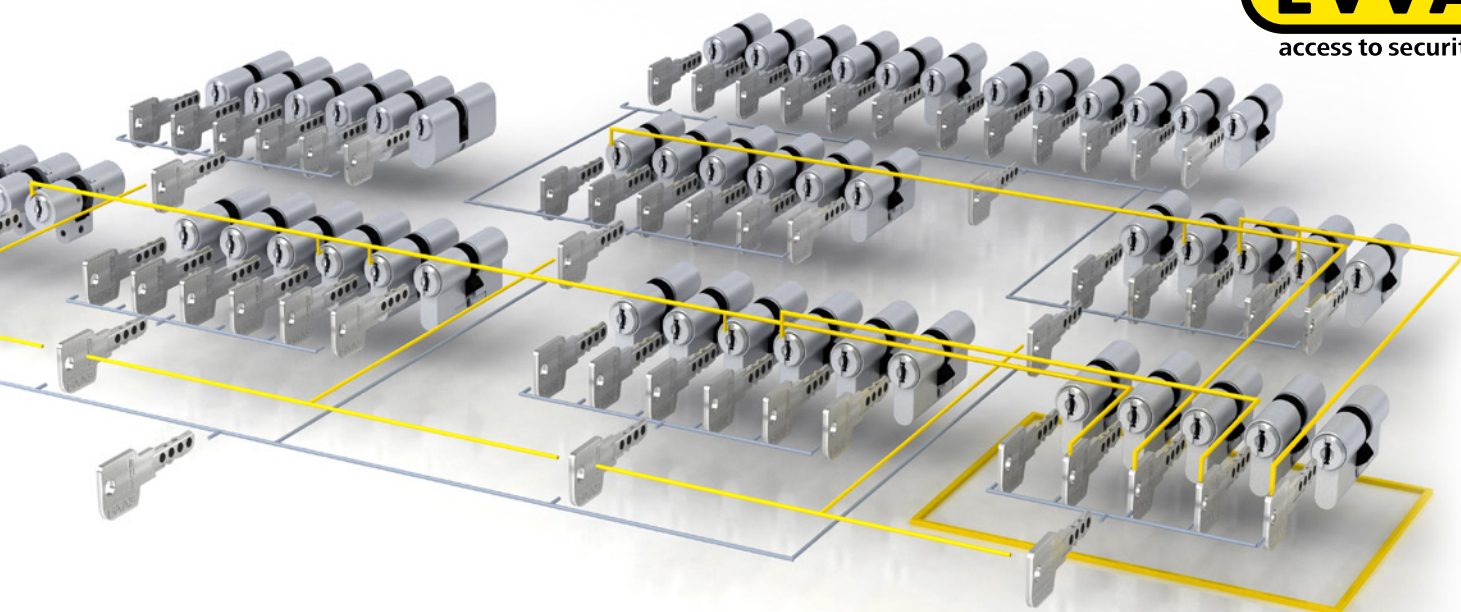
MCS is ideal for complex master key systems with high demands on versatility and security. MCS is the right system especially in properties where valuable, highly sensitive and irretrievable objects must be protected, such as in research facilities, hospitals and government buildings.



Example of a residential complex

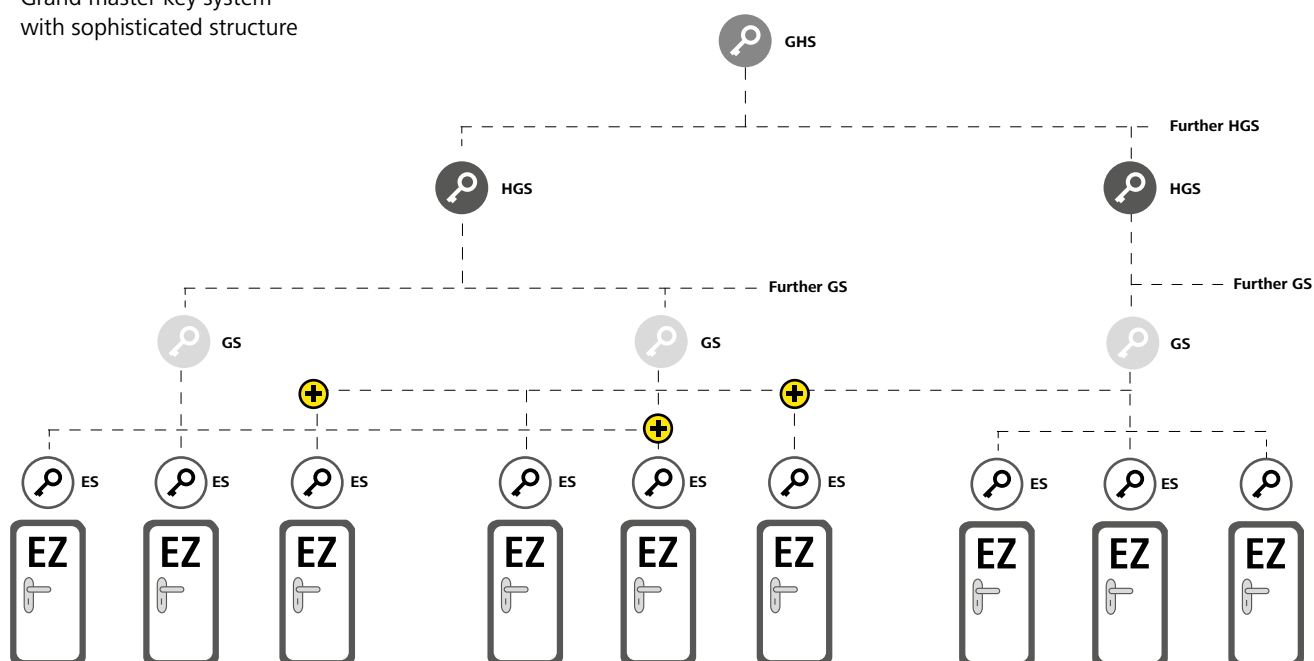
Future extensions for residential cylinders are taken into account in master key systems. If an individual key (ES) is lost, it can be replaced by a new individual key, which again locks all the central cylinders and sub central cylinders.





Example business premises

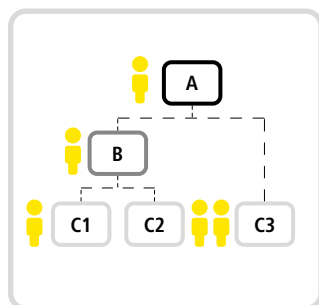
Grand master key system
with sophisticated structure



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

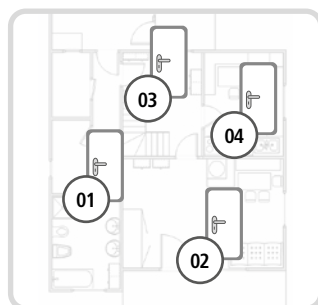
System overview | Processes

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.

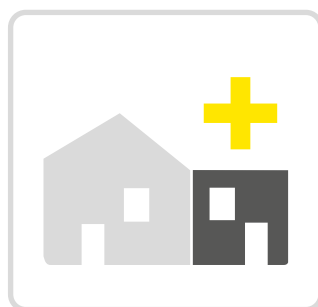


Changes to the master key system



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

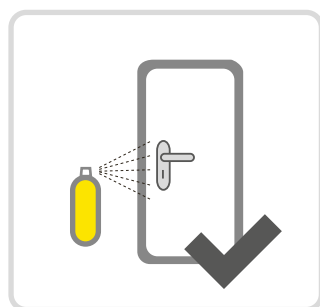
Organisations with frequent key handovers are advised to use suitable key management software.



Security card (SIKA)

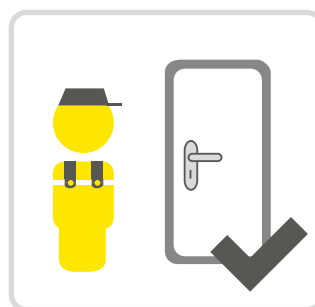
Only the owner of the security card is authorised to have new keys and cylinders made. The security card must always be kept in a safe place.

Maintenance of the system



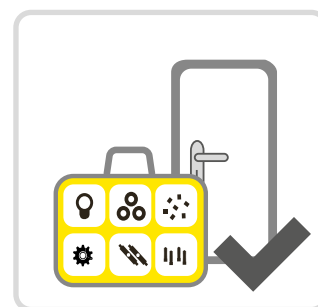
Low maintenance

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.



Adaptations

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



Keys



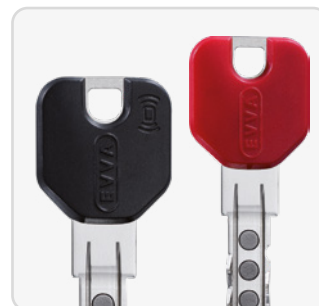
Magnet pills

The samarium-cobalt 5 permanent magnets ensure a long service life.



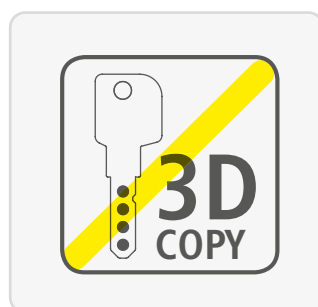
Additional mechanical codes

Making MCS additionally secure



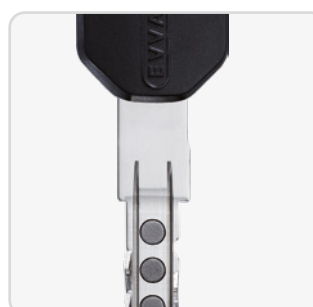
Design / combi key

Easier to manage and use in combined master key systems.



Cannot be reproduced by 3D printers

Magnetic technology makes copying of the key with 3D printers impossible.



Elongated key neck

For defenders.



Security card

Repeat order exclusively from an authorised EVVA partner.

MCS keys | Mechanical & electronic

Standard



MCS standard keys for master key systems and individual lockings. 3D printing copying protection with magnetic and mechanical coding. With key number.

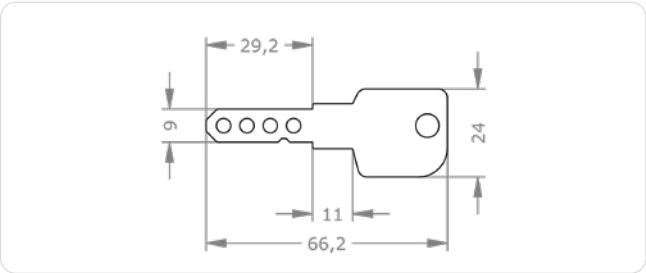
Optional usage feature	F[...] – Colour dot - Colour TXT – Customer-specific text
Security features	Key made of an extremely durable nickel-silver alloy

Design key bow



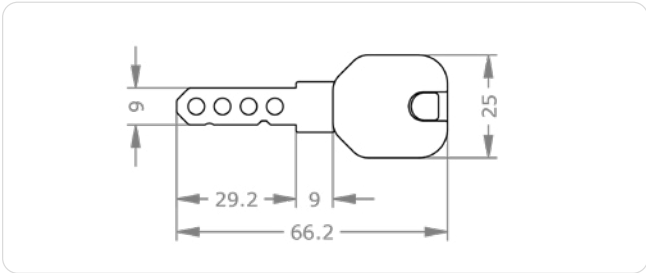
MCS design keys in different colours make it easier to manage many keys through colour coding. With high-quality ergonomic plastic key bow. With key number as standard.

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 resistant nickel silver alloy Cap made of robust plastic



Ordering

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



Ordering

Product code	M.MCSR.SL.SL-D.[Colour of design head]. [Option]
Example	MCS key, design key bow in blue, with long key neck: M.MCSR.SL.SL-D.RBL.LSH

Xesar combi key



AirKey combi key

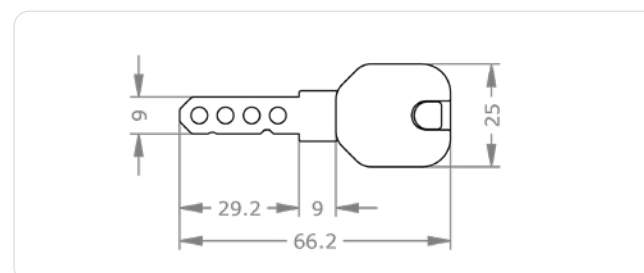
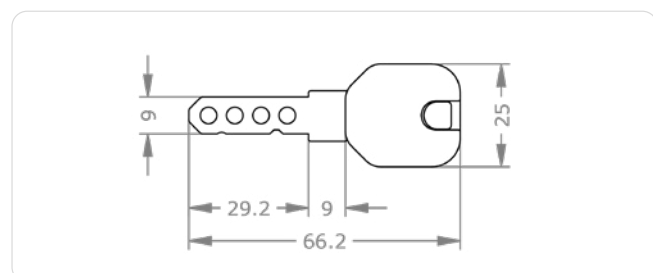


Xesar combi key for master key systems, individual lockings and integration into electronic Xesar access systems. With high-quality ergonomic plastic key bow in various colours with integrated electronic chip.

Colour	BL – Blue RT – Red SW – Black
Optional technical installation feature	LSH – Long key neck
Optional usage feature	TXT – Customer-specific text
Security features	Key made of special, resistant nickel silver alloy Black durable plastic key bow With MIFARE DESFire EV1 technology and Xesar segment

AirKey combi keys for master key systems, for individual lockings and 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
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 Head made of robust black plastic With Java technology and AirKey segment



Ordering

Product code	M.MCSR.SL.SL-X.[Option]
Example	Xesar combi key in the MCS system with long key neck: M.MCSR.SL.SL-X.LSH

Ordering

Product code	M.MCSR.SL.SL-A.[Option]
Example	AirKey combi key in MCS system, with long key neck: M.MCSR.SL.SL-A.LSH

MCS keys | Versions

Product range

M

System

MCSR

Product category

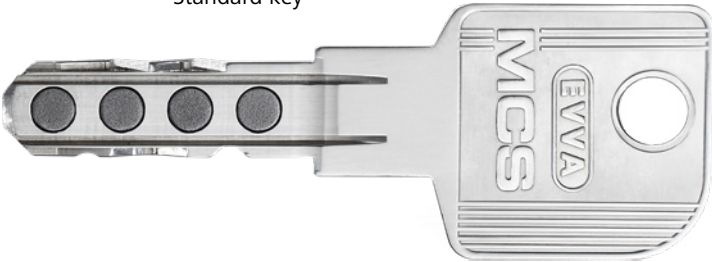
SL

+

Option

...

Standard key



AirKey combi key

SL-A

Xesar combi key

SL-X

M

MCSR

SL

+

...

M

MCSR

SL

SL-D

+

...

Design key

SL-D

Colour

SW

BL

RT

Colour

SW




BL

RT

GE

GN

WS

Key with long 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

MCS keys | 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



FR0, MCS



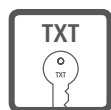
LSH – Long key neck

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



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



Profile cylinder

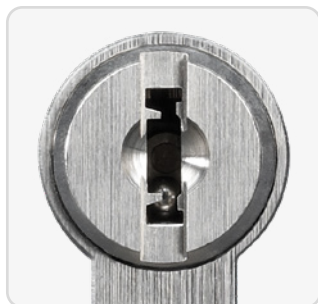
Keys

Profile cylinder



Profile cylinder | Benefits

Design



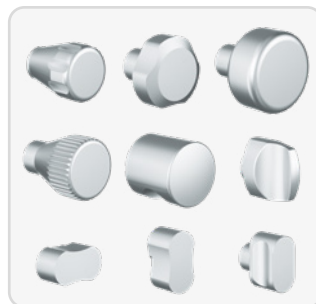
Visible quality

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



Various finishes

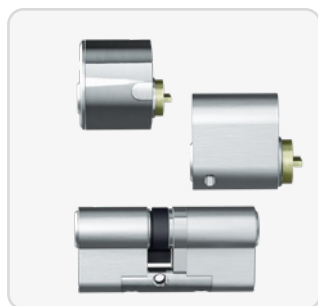
Thanks to its wide range of finishes, the cylinder can be easily matched to doors and escutcheons.



The perfect match

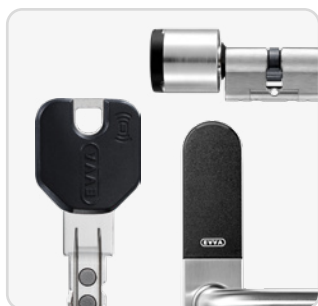
The thumbturn range with numerous design variants is high quality and adapted to various ergonomic requirements.

Function



Everything under control

EVVA covers many relevant locking situations with its range of cylinders.



Ability to combine

Excellent compatibility with electronic components and locking systems from EVVA.



Anti-snap

The anti-snap option makes cylinders more secure. It prevents drilling, probing, snapping off and hammering in.

Additional benefits:

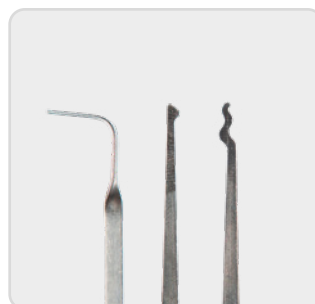
- Security options such as international security certifications

Engineering



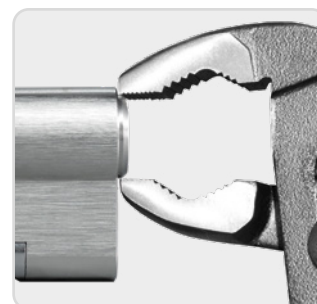
Drilling protection

The carbide elements in the MCS cylinder plug offer effective protection against being drilled.



Picking scanning protection

The freely rotating magnet rotors of the MCS cylinder are separated from the key channel and therefore can not be scanned and manipulated.



Pulling protection

The hard metal elements and their modular design (SY-MO) provide a high level of protection against plug pulling and snapping attempts.

Keys

Profile cylinder

Assembly



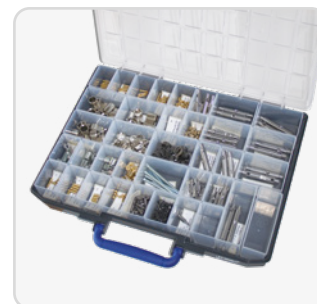
Simple installation

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



Modular design

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

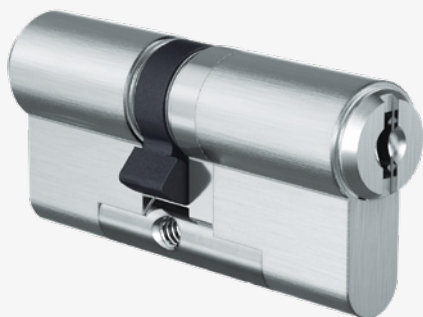


Assembly case

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

MCS Euro profile | Double cylinder DZ-S

View from the outside



View from the inside

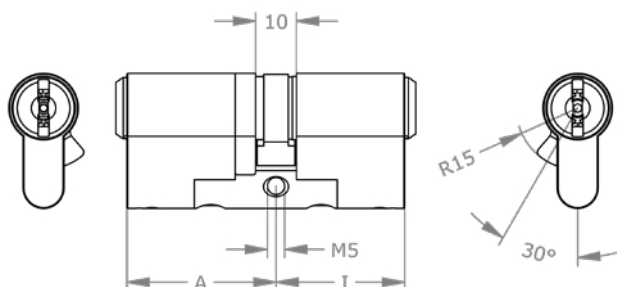
Standards and guidelines



Product description

The MCS 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

Pay attention during installation to a protrusion of max. 3 mm!

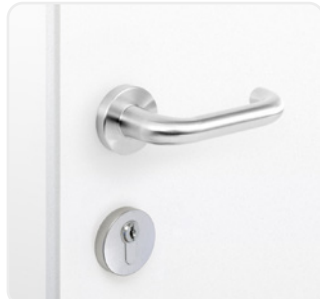
» page 65

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.

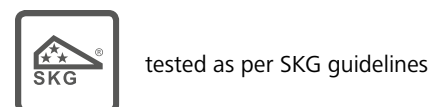
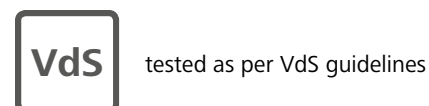
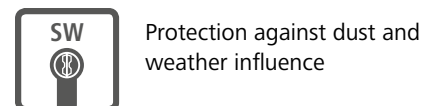
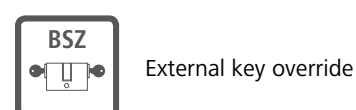
Technical information

Cylinder length on the outside A in mm	31 36 41 46 +5 ... A + l ≥ 62 mm
Cylinder length on the inside l in mm	31 36 41 46 +5 ... A + l ≥ 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 SKG3[...] – SKG *** certified
Optional technical installation feature	BIF – Double cam Biffar® BL[...] – Blind cylinder SEW – Sea water protection SW[...] – Dust and weather cover Z[...] – Cogwheel 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 via 8-fold magnetisation on the key and by means of encapsulated, stop-free rotating magnetic rotors to the left and right of the key channel (authorisation positions) positively controlled locking pin query on the key spine, and profile system security elements made of tungsten carbide steel or hardened steel to prevent drilling and pulling scanning security due to stop-free rotor pull-proof stainless steel connecting rod to prevent twisting and snapping-off
Standards and guidelines	EN 1303:2015 160B0C6D 90 minutes ÖNORM B5351: WZ6-BZ 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 fixing screw M5

Versions



Important options



For versions see » **page 64**

For options see » **page 68**

Ordering

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

MCS Euro profile | Thumbturn cylinder KZ-S

View from the outside



View from the inside

Standards and guidelines



Product description

The MCS 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.

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

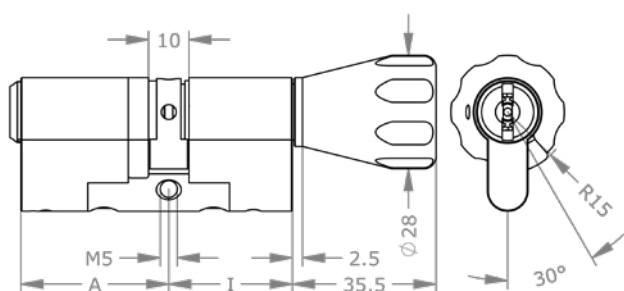


Illustration with standard thumbturn KK - cone thumbturn

Assembly tip

Pay attention during installation to a protrusion of max. 3 mm!

» page 65

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.

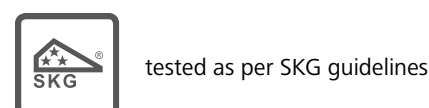
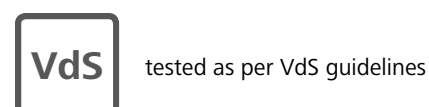
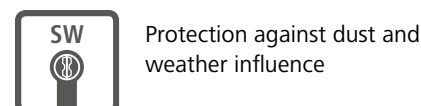
Technical information

Cylinder length on the outside A in mm	31 36 41 46 +5 ... A + l ≥ 62 mm
Cylinder length on the inside l in mm	31 36 41 46 +5 ... A + l ≥ 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
Thumbturn shape	OK – Oval thumbturn aluminium 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-MP – Polished brass K-NI – Nickel K-PB – Patinated brown K-PS – Patinated black
Optional security features	CLA – Classroom function SOS – SOS function SKG3-A – SKG *** certified outside
Optional technical installation feature	BIF – Double cam Biffar® LW[...] – Free travel SEW – Sea water protection SW[...] – Dust and weather cover SW-A – Dust and weather protection outside Z[...] – Cogwheel ZVS-A – Reduced cylinder body outside
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube Cylinder fixing screw
Security features	Locking authorisation request via 8-fold magnetisation on the key and by means of encapsulated, stop-free rotating magnetic rotors to the left and right of the key channel (authorisation positions) positively controlled locking pin query on the key spine, and profile system security elements made of tungsten carbide steel or hardened steel to prevent drilling and pulling scanning security due to stop-free rotor pull-proof stainless steel connecting rod to prevent twisting and snapping-off
Standards and guidelines	EN 1303:2015 160B0C6D 90 minutes ÖNORM B5351: WZ6-BZ 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



Important options



For versions see » **page 64**
 For options see » **page 68**

Ordering

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

MCS Euro profile | Half cylinder HZ-S

View from the outside



View from the inside

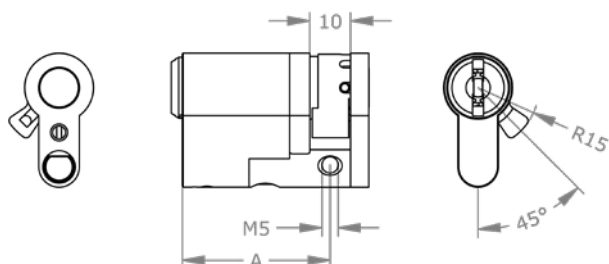
Standards and guidelines



Product description

The MCS euro profile half cylinder in modular design (SY-MO) with 8-fold adjustable 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

Pay attention during installation to a protrusion of max. 3 mm!

» page 65

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.

* For installation in activation devices, we recommend the use of a suitable free wheel cam. For this purpose, please contact your EVVA Partner.

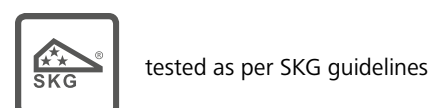
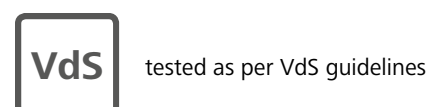
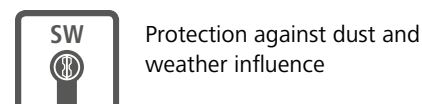
Technical information

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	SKG3-A – SKG *** certified outside
Optional technical installation feature	2GW[...] – Double rear fixing for HZ BIF – Double cam Biffar® LW[...] – Free travel SEW – Sea water protection SW-A – Dust and weather protection outside Z[...] – Cogwheel
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube Cylinder fixing screw
Security features	Locking authorisation request via 8-fold magnetisation on the key and by means of encapsulated, stop-free rotating magnetic rotors to the left and right of the key channel (authorisation positions) positively controlled locking pin query on the key spine, and profile system security elements made of tungsten carbide steel or hardened steel to prevent drilling and pulling scanning security due to stop-free rotor pull-proof stainless steel connecting rod to prevent twisting and snapping-off
Standards and guidelines	EN 1303:2015 160B0C6D 90 minutes ÖNORM B5351: WZ6-BZ ČSN EN 1627 - Security class 4 Option SKG***
Technical installation situation	for mortise locks according to DIN, ÖNORM, surface mounted locks and other devices suitable for the installation of Euro profile cylinder locks Cam width 9.3 mm Cam adjustable in 8 positions
Included components	Cylinder with fixing screw M5

Versions



Important options



For versions see » **page 64**

For options see » **page 68**

Ordering

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

MCS Euro profile SY-MO | EMZY thumburn cylinder

View from the inside

Coming soon



View from the outside

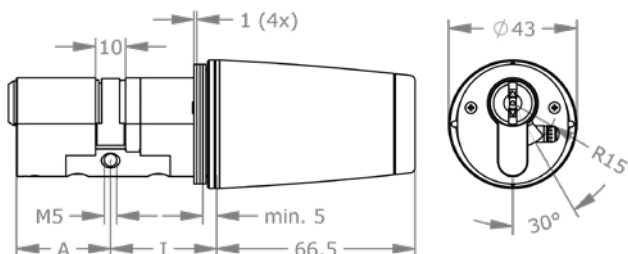
Standards and guidelines



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.



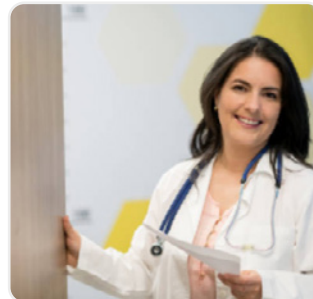
Delivery entrance

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.



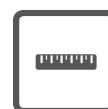
Medical practice

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

Technical information

System	EMZY/MCS
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-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

Keys

Profile cylinder

Ordering

Produktcode	Siehe Preisliste Elektronische Schließsysteme
-------------	---

MCS Round profile | Double cylinder RDZ

View from the outside



View from the inside



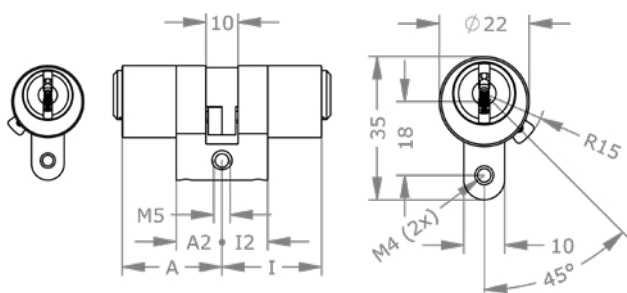
Standards and guidelines



Product description

The MCS Round profile double cylinder in compact design is suitable for indoor and outdoor use. 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

Pay attention during installation to a protrusion of max. 3 mm!

» page 65

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.

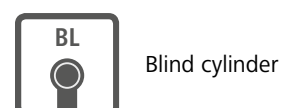
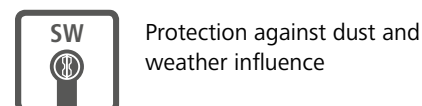
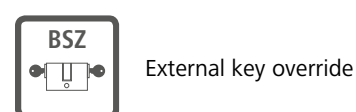
Technical information

Cylinder length on the outside A in mm	31 36 41 46 +5 ...
Cylinder length on the inside I 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 technical installation feature	BL[...] – Blind cylinder SEW – Sea water protection SW[...] – Dust and weather cover Z[...] – Cogwheel
Optional usage feature	BSZ – External key override TXT – Customer-specific text
Accessories	Spray FinLube Cylinder fixing screw
Security features	Locking authorisation request via 8-fold magnetisation on the key and by means of encapsulated, stop-free rotating magnetic rotors to the left and right of the key channel (authorisation positions) positively controlled locking pin query on the key side, and profile system security elements made of tungsten carbide steel or hardened steel to prevent drilling and pulling scanning security due to stop-free rotor
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



Important options



For versions see **» page 64**
 For options see **» page 68**

Ordering

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

MCS Round profile | Thumbturn cylinder RKZ



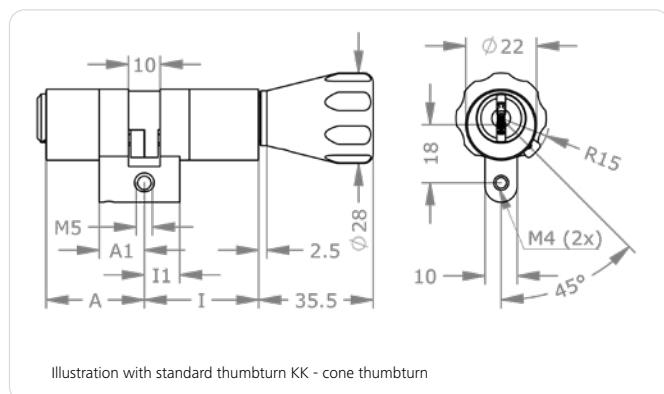
Standards and guidelines



Product description

The MCS Round profile thumbturn cylinder in compact design 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. Potential applications are doors to residential properties or offices, connecting doors, metal frame doors and security doors.



Assembly tip

Pay attention during installation to a protrusion of max. 3 mm!

» page 65

Application examples



Apartment door

The cylinder is ideally suited for use in apartment entrance 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	31 36 41 46 +5 ...
Cylinder length on the inside I 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
Thumbturn shape	OK – Oval thumbturn aluminium 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-MP – Polished brass K-NI – Nickel K-PB – Patinated brown K-PS – Patinated black
Optional security features	SOS – SOS function
Optional technical installation feature	SEW – Sea water protection SW-A – Dust and weather protection outside Z[...] – Cogwheel
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube Cylinder fixing screw
Security features	Locking authorisation request via 8-fold magnetisation on the key and by means of encapsulated, stop-free rotating magnetic rotors to the left and right of the key channel (authorisation positions) positively controlled locking pin query on the key side, and profile system security elements made of tungsten carbide steel or hardened steel to prevent drilling and pulling scanning security due to stop-free rotor
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

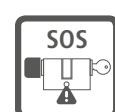


Cylinder length



Finish

Important options



SOS function



Protection against dust and weather influence



Cogwheel cam

For versions see » **page 64**

For options see » **page 68**

Ordering

Product code	M.MCSR.PZ.RKZ.[Outside cylinder length A in mm/Inside cylinder length I in mm]. [Finish].[Thumbturn shape].[Thumbturn finish].[Option]
Example	MCS round thumbturn cylinder SY-MO, outside 31 mm, inside 36 mm, nickel finish, with cone thumbturn and optional priority function: M.MCSR.PZ.RKZ.31/K36.NI.KK.K-NI.SOS

MCS Round profile | Half cylinder RHZ

View from the outside



View from the inside

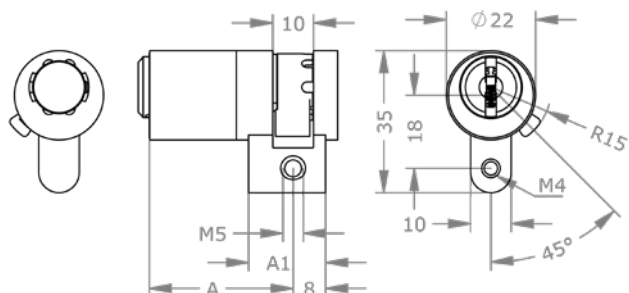
Standards and guidelines



Product description

The MCS round profile half cylinder in compact design is suitable for use in switching devices and in special technical doors. The cylinder can be 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

Pay attention during installation
to a protrusion of max. 3 mm!

» page 65

Application examples



Tubular safes

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



Switch *

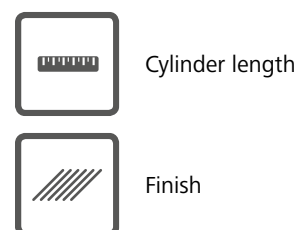
The cylinder is suitable for installation in switches for control of barrier systems.

* For installation in activation devices, we recommend the use of a suitable free wheel cam. For this purpose, please contact your EVVA Partner.

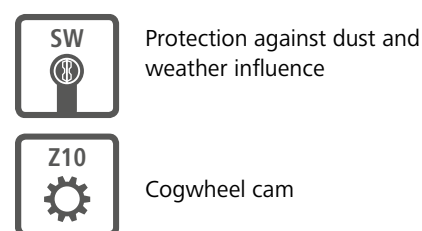
Technical information

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 technical installation feature	SEW – Sea water protection SW-A – Dust and weather protection outside
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube Cylinder fixing screw
Security features	Locking authorisation request via 8-fold magnetisation on the key and by means of encapsulated, stop-free rotating magnetic rotors to the left and right of the key channel (authorisation positions) positively controlled locking pin query on the key side, and profile system security elements made of tungsten carbide steel or hardened steel to prevent drilling and pulling scanning security due to stop-free rotor
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



Important options

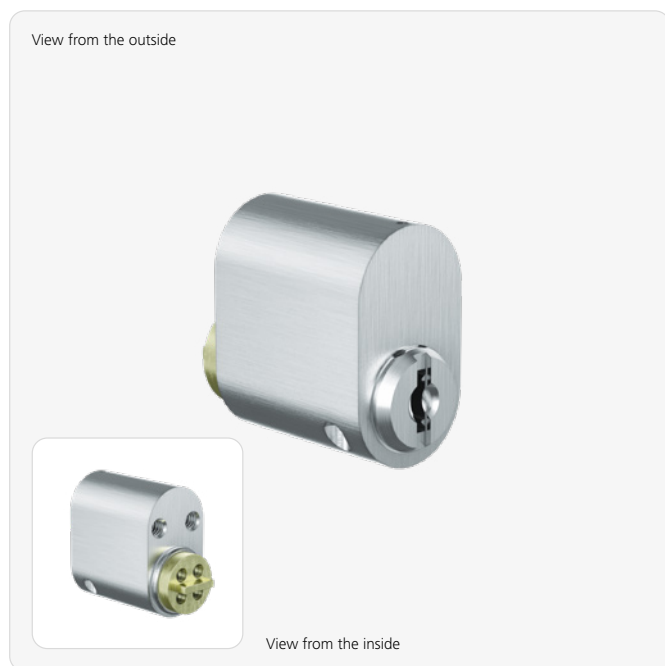


For versions see » **page 64**
 For options see » **page 68**

Ordering

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

MCS Scandinavian oval profile | SKA oval outside cylinder



Standards and guidelines

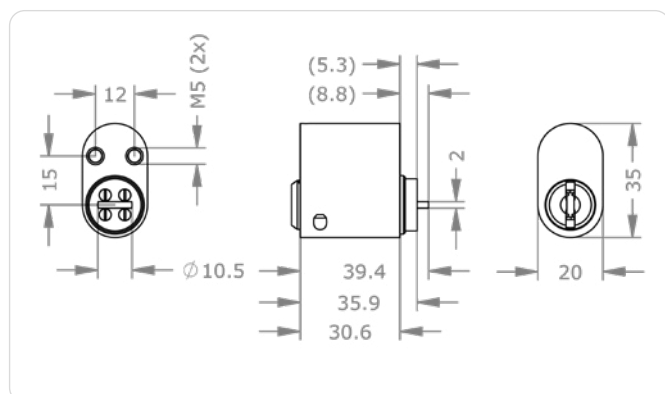


Product description

The MCS Scandinavian oval outside cylinder is suitable for use in external and internal 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



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

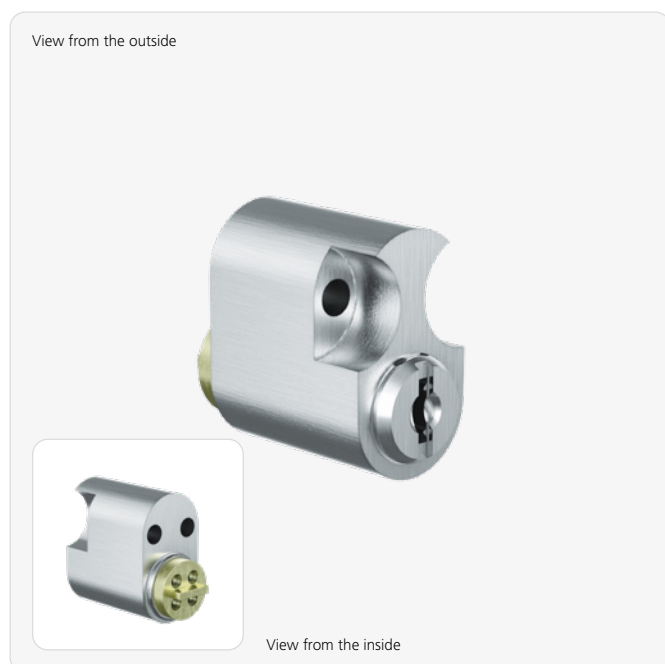
The cylinder is suitable for use on the outside of internal doors featuring Scandinavian locks.

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 via 8-fold magnetisation on the key and by means of encapsulated, stop-free rotating magnetic rotors to the left and right of the key channel (authorisation positions) positively controlled locking pin query on the key side, and profile system security elements made of tungsten carbide steel or hardened steel to prevent drilling and pulling scanning security due to stop-free rotor
Standards and guidelines	SS 3522 Category 3 EN 1303:2015 160B0C6D
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-S.SEC
Included components	Cylinder lock without screws

Ordering

Product code	M.MCSR.PZ.SKA.[length].[Finish]
Example	MCS Scandinavian oval profile outside cylinder, nickel finish: M.MCSR.PZ.SKA.31.NI

MCS Scandinavian oval profile | SKI oval inside cylinder

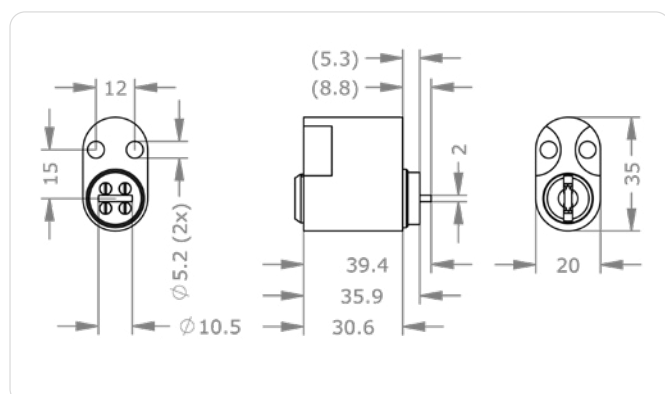


Product description

The MCS Scandinavian oval inside cylinder is suitable for use in external and internal doors. 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



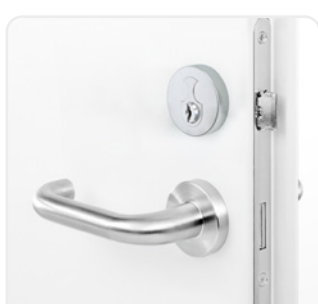
Finish	NI – Nickel MP – Polished brass NPV – Nickel fully polished MS – Brass NP – Polished Nickel MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished chrome CPV – Chrome fully polished PS – Patinated black PB – Patinated brown
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request via 8-fold magnetisation on the key and by means of encapsulated, stop-free rotating magnetic rotors to the left and right of the key channel (authorisation positions) positively controlled locking pin query on the key side, and profile system security elements made of tungsten carbide steel or hardened steel to prevent drilling and pulling scanning security due to stop-free rotor
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-K.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.



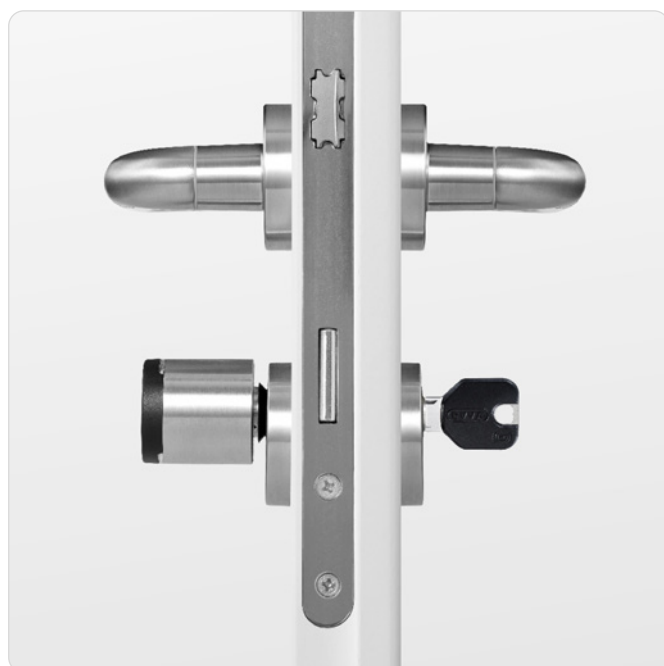
Inside door, inner side

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

Ordering

Product code	M.MCSR.PZ.SKI.[length].[Finish]
Example	MCS Scandinavian oval profile inside cylinder, nickel finish: M.MCSR.PZ.SKI.31.NI

MCS Hybrid cylinder | Double cylinder Euro profile DZ-S

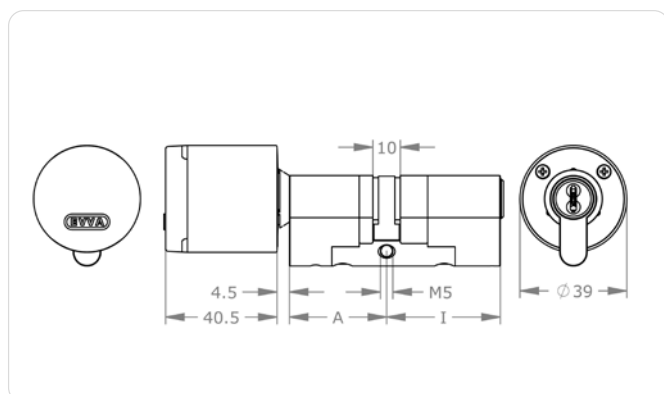


Standards and guidelines



Product description

The 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

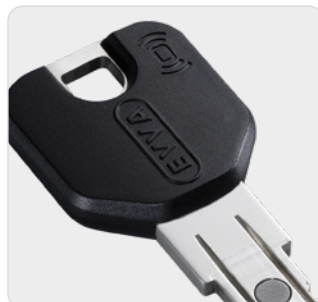
System	A/MCSR – AirKey außen/MCS innen X/MCSR – Xesar außen/MCS innen
Cylinder length on the outside A in mm	31 36 41 46 + 5 mm ... Standard: $A + I \leq 92$ mm, special lengths: $A + I \geq 97$ mm
Cylinder length on the inside I in mm	36 41 46 + 5 mm ... Standard: $A + I \leq 92$ mm, special lengths: $A + I \geq 97$ mm
Finish	NI – nickel NP – polished nickel MP – polished brass PB – brown patina PS – black patina
Further information	Siehe Produktkataloge 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]
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MCS Hybrid cylinder | Double cylinder Round profile RDZ-S

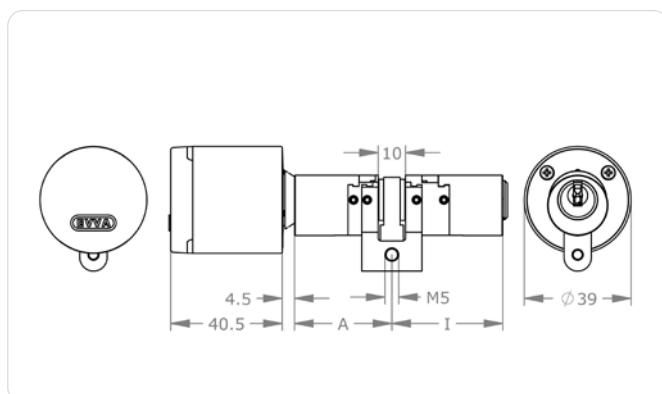


Standards and guidelines



Product description

The 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/MCSR – AirKey außen/MCS innen X/MCSR – Xesar außen/MCS 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	Siehe Produktkataloge AirKey, Xesar

Application examples



Protection against burglary

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



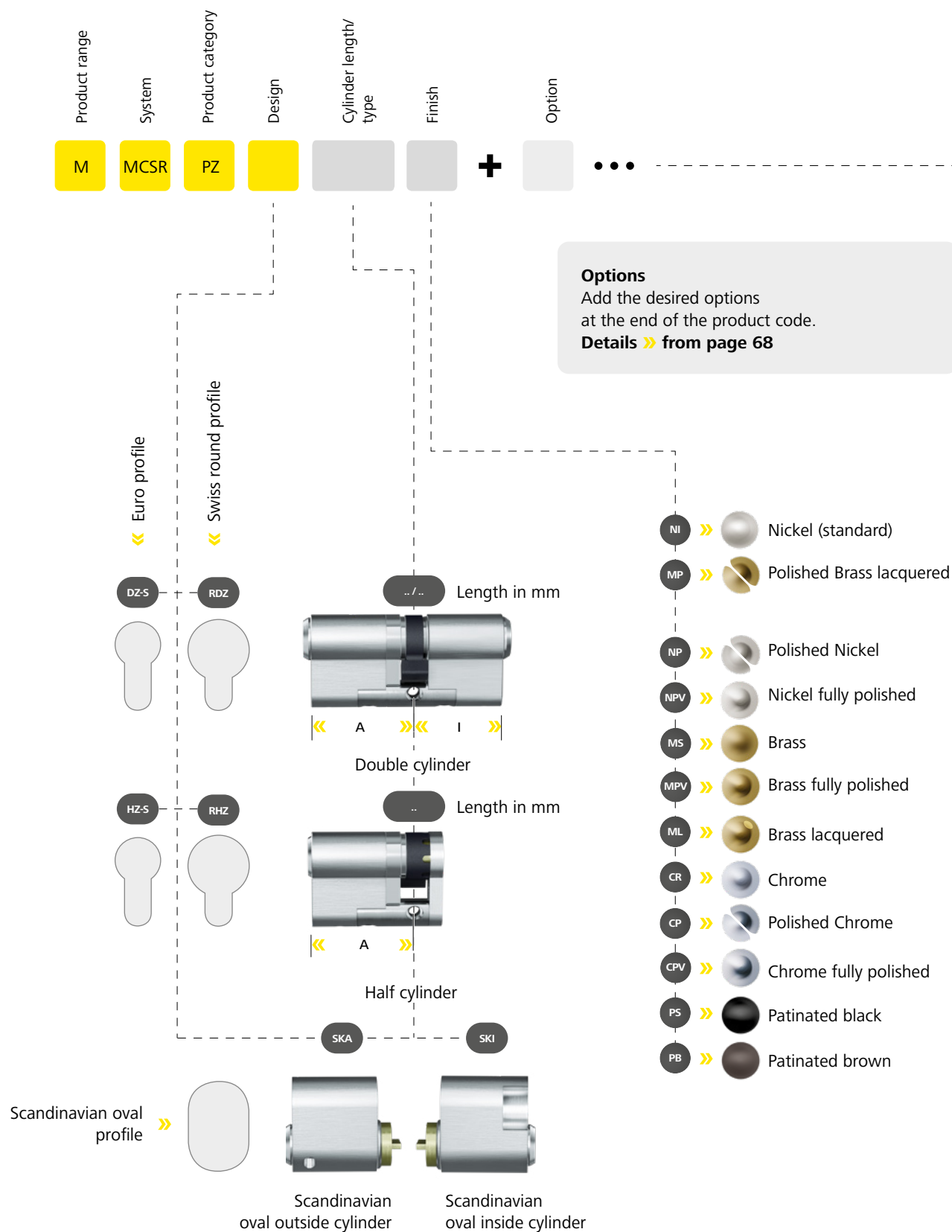
Combi key

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]
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MCS profile cylinder | Versions



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

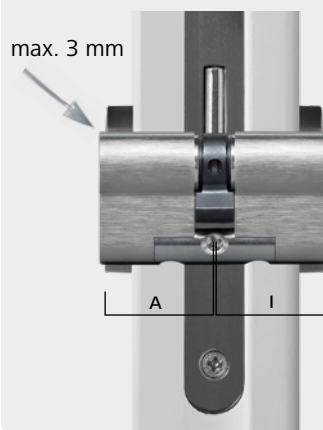
● Available

	AS-A	BIF	BL-A	BL-I	BSZ	SEW	SKG3-A	SKG3-I	SKG3-B	SW-A	SW-I	SW-B	TXI	Z10	Z18	ZVS-A	ZVS-I	ZVS-B
DZ-S	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
HZ-S		●	●			●	●			●			●	●	●	●		
RDZ			●	●	●	●				●	●	●	●	●	●			
RHZ			●			●				●			●	●	●			
SKA													●					
SKI													●					

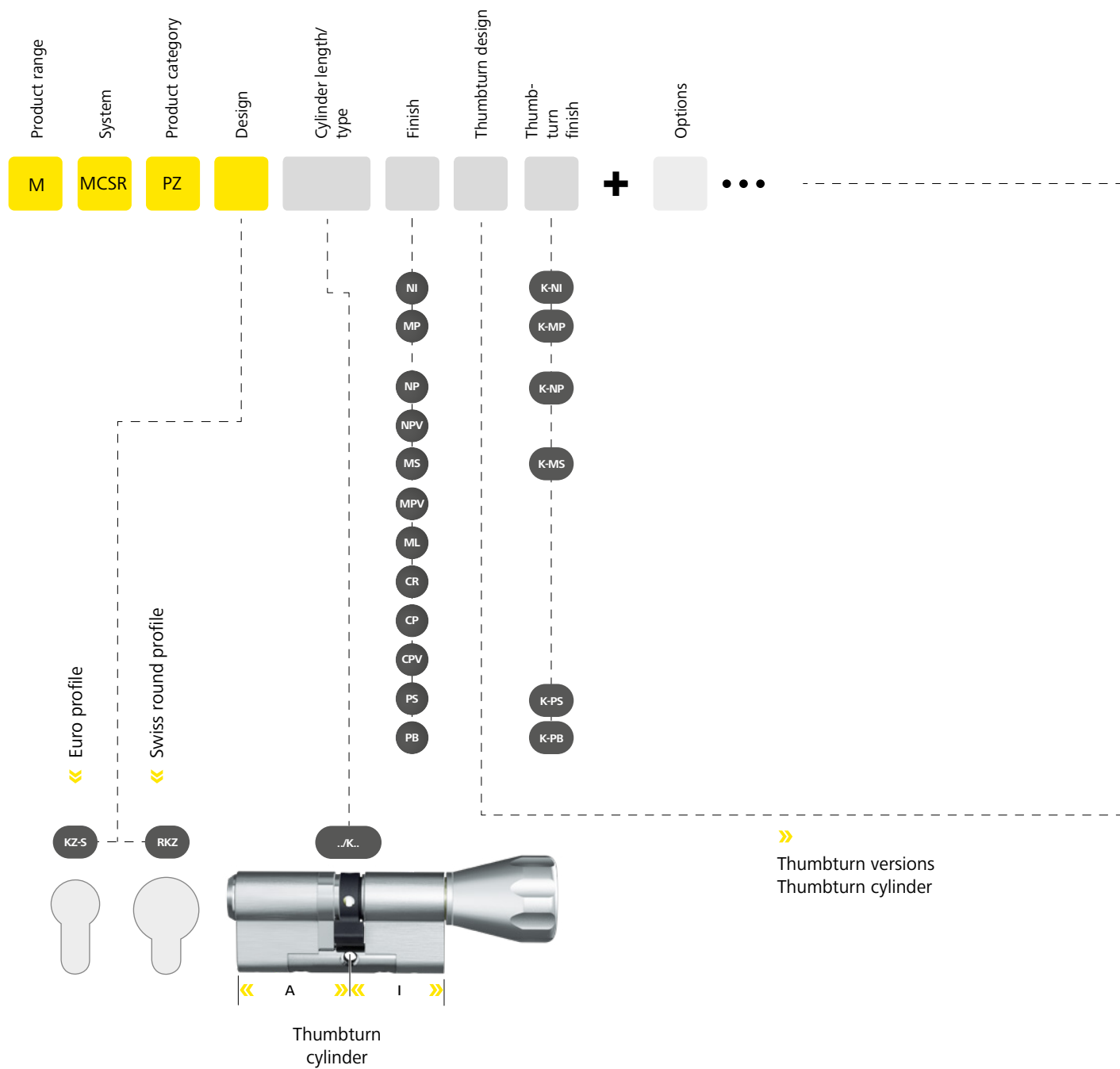


Correct cylinder lengths:

- › 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.



MCS profile cylinder | Versions





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

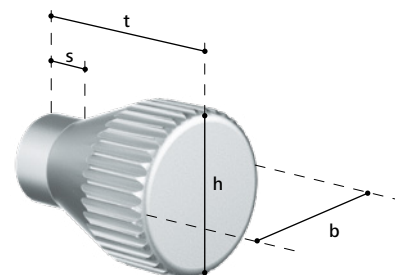
Availability of options depends on type

● Available

KZ-S

RKZ-S

AS-A	BIF	CLA	SEW	SKG3-A	SKG3-I	SKG3-B	SOS	SW-A	Z10	Z18	ZVS-A	ZVS-I	ZVS-B
●	●	●	●	●	●	●	●	●	●	●	●	●	●
			●				●	●	●	●			



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

Aluminium thumbturns

	t	h	b	s
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



KK

AK

RK



MK

GK

FK



X1K

OK

OKA



ATA

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

NOK

Without thumbturn



Suitable options/accessories

➤ see next page

MCS profile cylinder | Options & Accessories

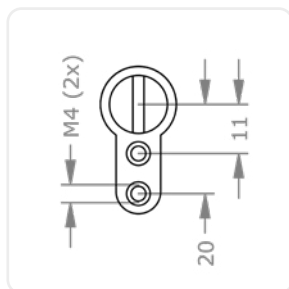
Illustrations and ordering examples are shown using various systems.



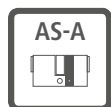
2GW[...] – Double rear fixing for HZ

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



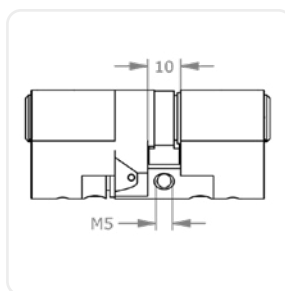
AS-A – Anti-Snap outer side

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



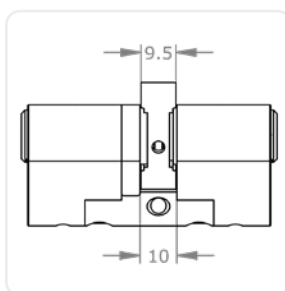
BIF – Double cam Biffar®

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

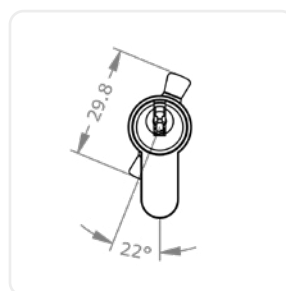
Product code	BIF
Ordering example for option	M.[System].PZ.DZ-S.31/31.NI.BIF



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.

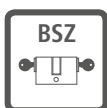
Variants	BL-A – blind outside BL-I – blind inside BL-B – blind both sides
Product code	BL-...]
Ordering example for option	M.[System].PZ.DZ-S.31/31.NI.BL-A



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



MCS 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



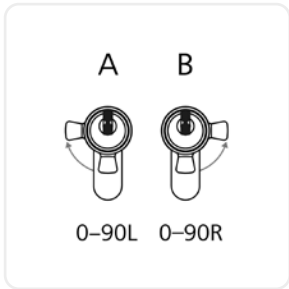
Sample illustration



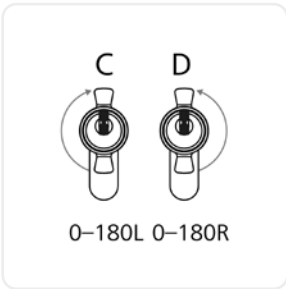
LW[...] – Free travel

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.

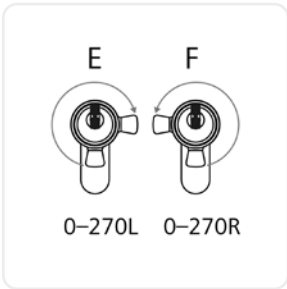
Variants	LWA – Cam Drive left 0°–90° LWB – Cam Drive right 0°–90° LWC – Cam Drive left 0°–180° LWD – Cam Drive right 0°–180° LWE – Cam Drive left 0°–270° LWF – Cam Drive right 0°–270° LWG – Cam Drive right/left 0°–90° LWH – Cam Drive right 45°– left 90° LWI – Cam Drive left 45°– right 90°
Product code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



LWA, LWB



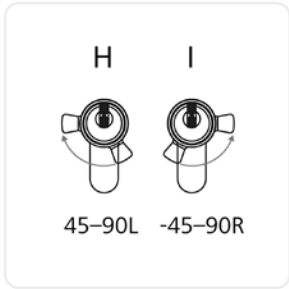
LWC, LWD



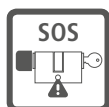
LWE, LWF



LWG



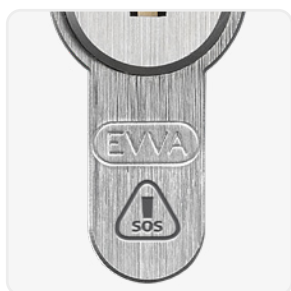
LWH, LWI



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



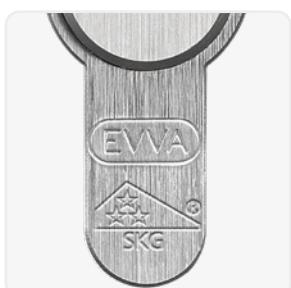
Sample illustration



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.SK3-A



MCS profile cylinder | Options & Accessories

Illustrations and ordering examples are shown using various systems.



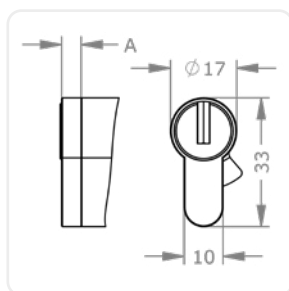
SW[...] – Dust and weather cover

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

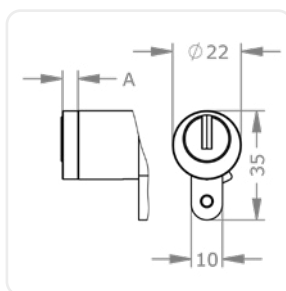
Technical specifications FPS.PZ A=3,7 mm | EPS.PZ A=3,7 mm | ICS.PZ A=5,0 mm | 4KS.PZ A=3,3 mm | MCS.PZ A=5,2 mm

Product code SW-A, SW-I, SW-B

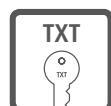
Ordering example for option M.[System].PZ.DZ-S.31/31.NI.SW-A



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



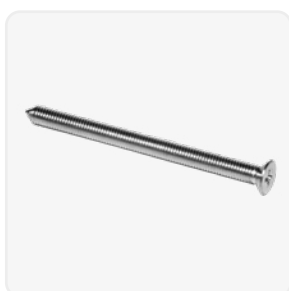
ZS[...] – Cylinder fixing screw

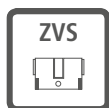
Cylinder fastening screw for mounting the profile cylinder in the mortise lock

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





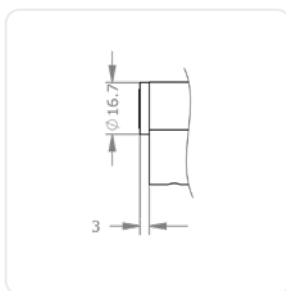
ZVS-[...] – Reduced cylinder body

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





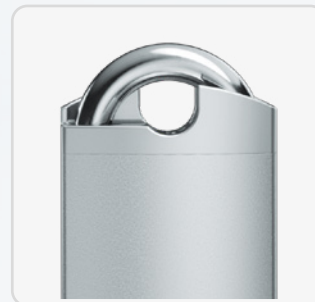
Padlock



Massively secured
To secure transport containers of all sizes



Controlled access
Reliable protection for exposed locations.



Hard-wearing
Optional protection against weather and mechanical attack.

Keys

Profile cylinder

Padlocks

MCS Padlock | HM24-S



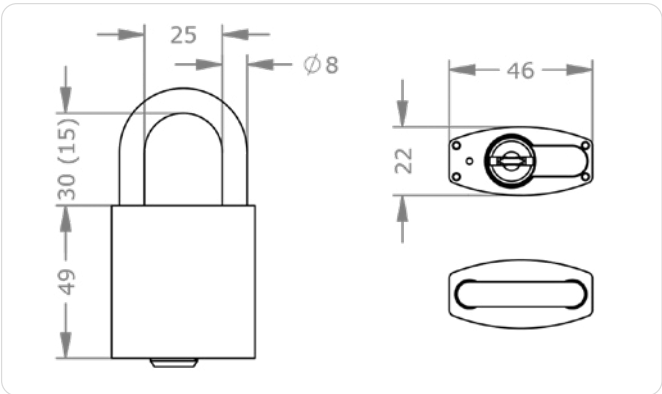
Product description

The MCS padlock HM24-S with hardened steel shackle is suitable for securing doors or objects that are 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
Accessories	Spray FinLube
Security features	Locking authorisation request is carried out via 8-fold magnetisation on the key by means of encapsulated, stop-free rotating magnetic rotors to the left and right of the key channel (authorisation positions) positively controlled locking pin query on the key side and profile system security elements made of tungsten carbide steel or hardened steel to prevent drilling, pulling and snapping off scanning security due to stop-free rotors brass connecting rod to protect against snapping off force-guided locking of the security shackle key removal only possible in closed state



Application examples



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

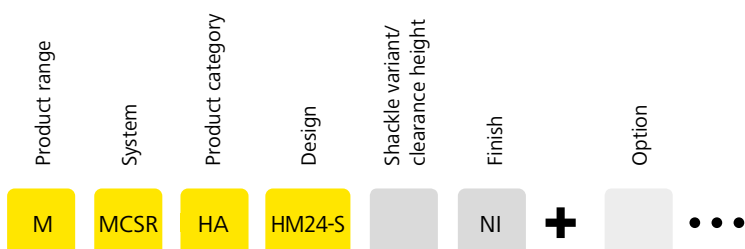


Barriers
Highly suitable for protection against unauthorised opening and closing of barriers.

Ordering

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

Versions



Standard design

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

NI



Nickel

S..



N..



Steel shackle	
S17	17 mm
S30	30 mm

Stainless steel shackle	
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



Clearance height
CH in mm



Keys

Profile cylinder

Padlocks

MCS Padlocks | Options & Accessories

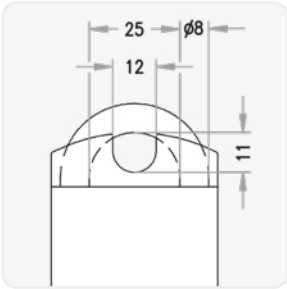
Illustrations and ordering examples are shown using various systems.



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.

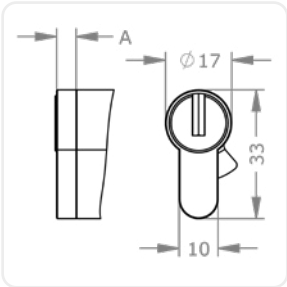
Technical specifications	Hardened steel short shackle
Product code	BS
Ordering example for option	M.[System].HA.HM24-S.S17.NI.BS



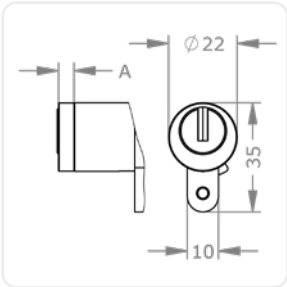
SW-[...] – Dust and weather cover

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



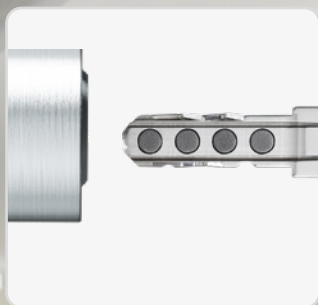
Sample illustration



Sample illustration



Cam lock



Position of key removal
You determine the position in which the key can be removed.



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



Many cams
Different types for versatile installation situations.

Keys

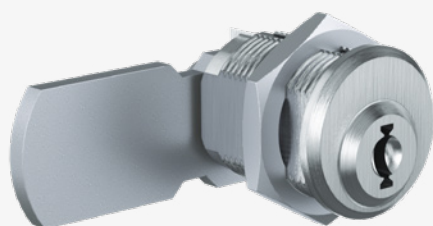
Profile cylinder

Padlocks

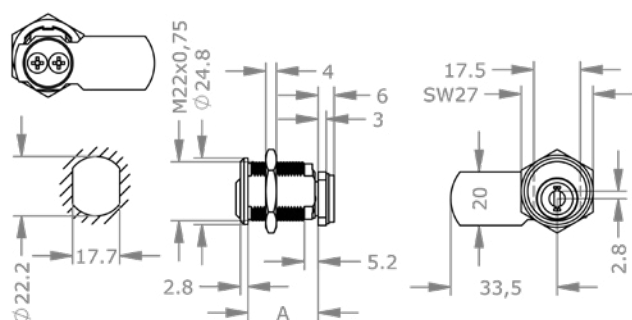
Cam lock

MCS Cam lock | MB22

View from the outside



View from the inside



Application examples



Distribution cabinets

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

Product description

The MCS 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

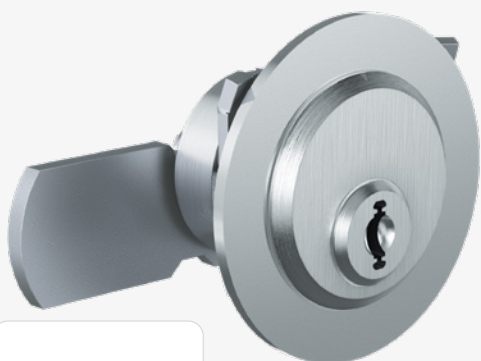
Cylinder length on the outside A in mm	27
Finish	NI – Nickel MP – Polished brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Optional technical installation feature	GTA[...] – Glass door plate wide GTB[...] – Glass door 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	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request via 8-fold magnetisation on the key by means of encapsulated, stop-free rotatable magnetic rotors to the left and right of the key channel (authorisation positions) Security elements made of tungsten carbide steel 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

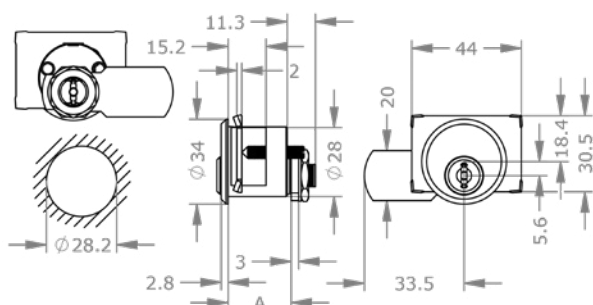
Product code	M.MCSR.HB.MB22.[Outside cylinder length A in mm].[Finish].[Option]
Example	MCS cam lock 22 mm diameter, nickel finish, length 27 mm: M.MCSR.HB.MB22.27.NI

MCS Cam lock | MB28ZB

View from the outside



View from the inside



Product description

The MCS 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 rear mounted 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	25
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	R050 – Escutcheon 50 mm ST[...] – Locking direction A-H SW-A – Dust and weather protection outside
Lever options	H[...]A – Cam for metal boxes and display cases HB[...]A – Cam for mail boxes
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request via 8-fold magnetisation on the key by means of encapsulated, stop-free rotatable magnetic rotors to the left and right of the key channel (authorisation positions) Security elements made of tungsten carbide steel 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.MCSR.HB.MB28ZB.[Outside cylinder length A in mm].[Finish].[Option]
Example	MCS cam lock 28 mm diameter, nickel finish: M.MCSR.HB.MB28ZB.NI

MCS Cam lock | MB22K



Product description
The MCS 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 secured on the

inside by a flat nut. Examples of applications are lockers and metal 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	SR22 – Dust and weather protection cover ST[...] – Locking direction A-H
Optional usage feature	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request via 8-fold magnetisation on the key by means of encapsulated, stop-free rotatable magnetic rotors to the left and right of the key channel (authorisation positions) Security elements made of tungsten carbide steel 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

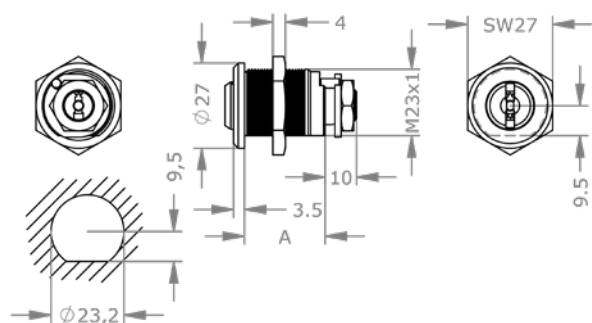
Product code	M.MCSR.HB.MB22K.[Outside cylinder length A in mm].[Finish].[Option]
Example	MCS cam lock 22 mm diameter, nickel finish, length 27 mm: M.MCSR.HB.MB22K.27.NI

MCS Cam lock | MB23CH

View from the outside



View from the inside



Application examples



Well integrated

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

Product description

The MCS cam lock MB23CH locks and 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 underside

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	TXT – Customer-specific text
Accessories	Spray FinLube
Security features	Locking authorisation request via 8-fold magnetisation on the key by means of encapsulated, stop-free rotatable magnetic rotors to the left and right of the key channel (authorisation positions) Security elements made of tungsten carbide steel 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.MCSR.HB.MB23CH.[Outside cylinder length A in mm].[Finish].[Option]
Example	MCS cam lock, 23 mm diameter, nickel finish, length 26 mm: M.MCSR.HB.MB23CH.26.NI

MCS cam lock | Versions

Product range

M

System

MCSR

Product category

HB

Design

Cylinder length/
Material used

Finish

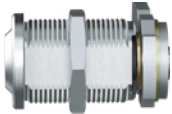
+

Option

...

Hole pattern

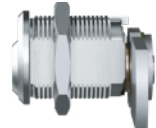
19 mm



MB19

27


22 mm



MB22

27


30 mm



MB30

26

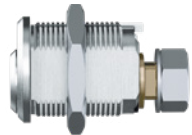
28 mm



MB28ZB

25

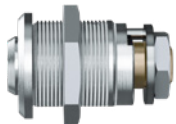
22 mm



MB22K

27

23 mm



MB23CH

26

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.

>> Fits lockers and sheet metal cabinets

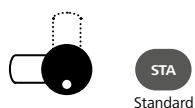
>> Suitable for key boxes, Swiss mailboxes, display cases and technical distribution cabinets.



Matching options

› see next page

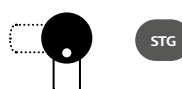
- NI › Nickel (standard)
- MP › Polished Brass lacquered
- NP › Polished Nickel
- NPV › Nickel fully polished
- MS › Brass
- MPV › Brass fully polished
- ML › Brass lacquered
- CR › Chrome
- CP › Polished Chrome
- CPV › Chrome fully polished
- PS › Patinated black
- PB › Patinated brown



Horizontal cam



Vertical cam



› Standard locking travel STA
Optional locking travel STB–STH

Example



Closed



Open

Sample illustration

Keys

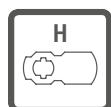
Profile cylinder

Padlocks

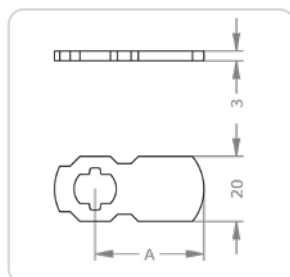
Cam lock

MCS cam lock | Options

Illustrations and ordering examples are shown using various systems.

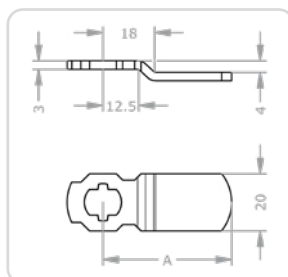


Horizontal EVVA locking cams for sheet metal panel boxes and display cabinets.



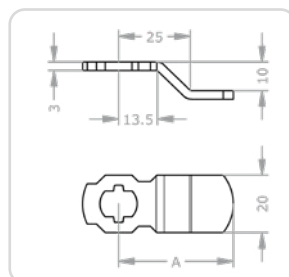
H72[A]

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



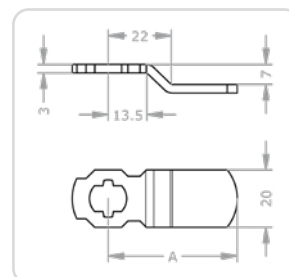
H87[A]

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



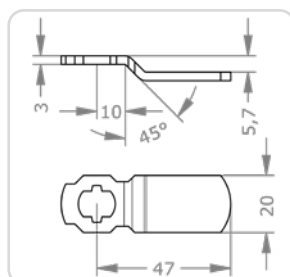
H92[A]

Cam length A in mm:
41 | 48 | 52



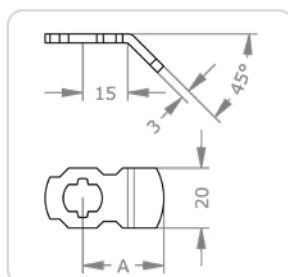
H95[A]

Cam length A in mm:
45 | 50



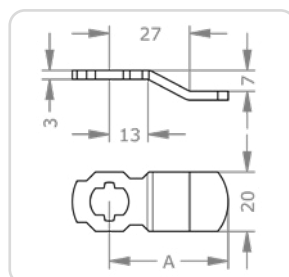
H98[A]

Cam length in mm:
47



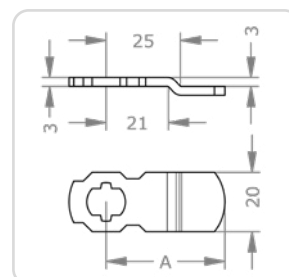
H89[A]

Cam length A in mm:
27



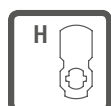
H91[A]

Cam length A in mm:
39 | 59 | 65

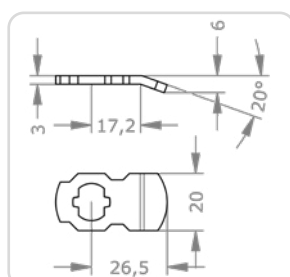


H97[A]

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

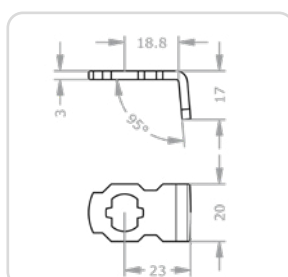


Vertical EVVA locking cams for sheet metal panel boxes and display cabinets.



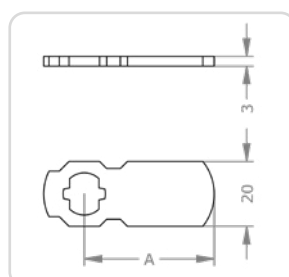
H6326

Cam length in mm:
26



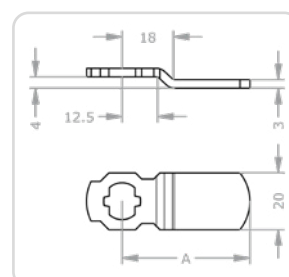
H6423

Cam length in mm:
23



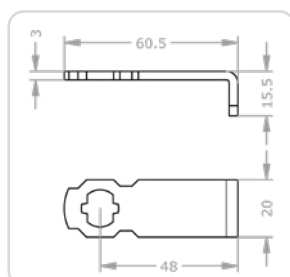
H73[A]

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



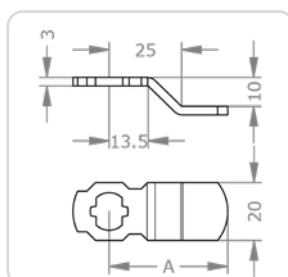
H88[A]

Cam length A in mm:
45 | 65



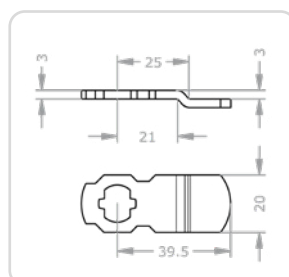
H9048

Cam length in mm:
48



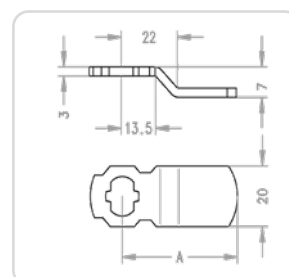
H94[A]

Cam length A in mm:
33 | 41 | 59



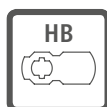
H9939

Cam length in mm:
39

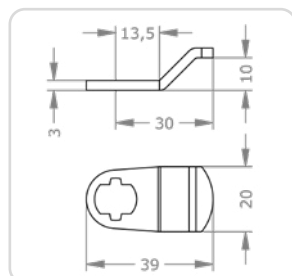


H96[A]

Cam length A in mm:
33 | 45 | 50

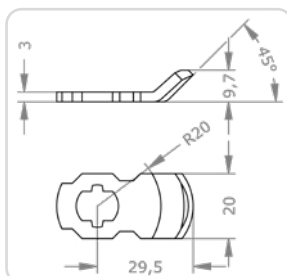


Horizontal EVVA locking cams for post boxes and other potential applications.



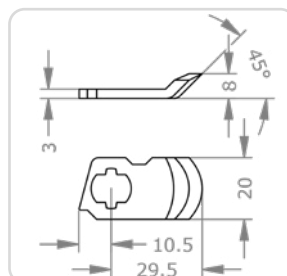
HB0230

Cam length in mm:
30



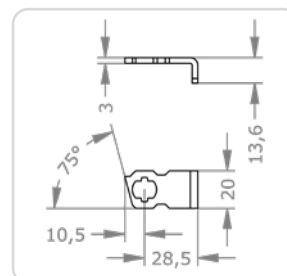
HB0329

Cam length in mm:
29



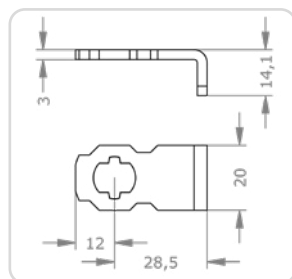
HB0429

Cam length in mm:
29



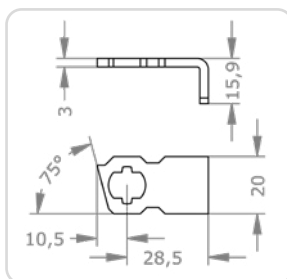
HB0628

Cam length in mm:
28



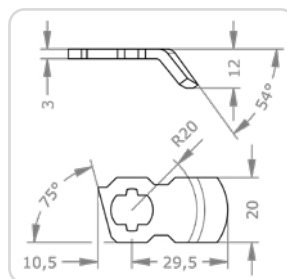
HB0728

Cam length in mm:
28



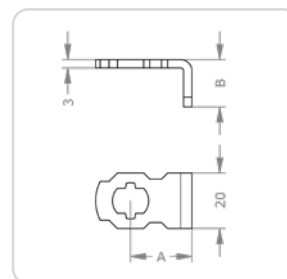
HB0828

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]

MCS 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



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



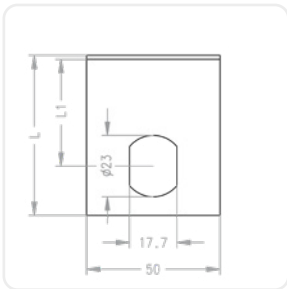
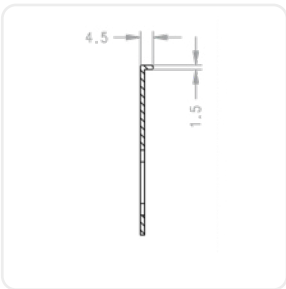
GTA[...] – Glass door plate wide

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





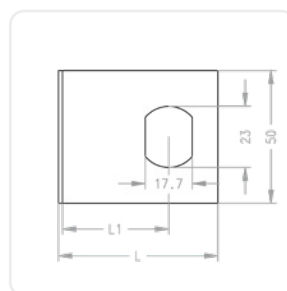
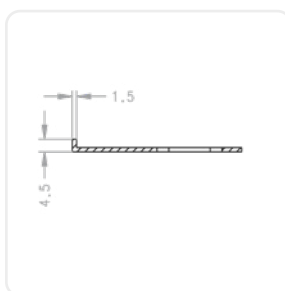
GTB[...] – Glass door plate high

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



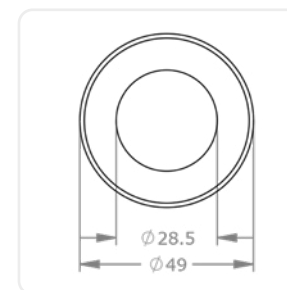
Sample illustration GTB4



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



MCS cam lock | Options

Illustrations and ordering examples are shown using various systems.



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



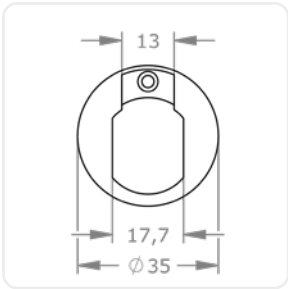
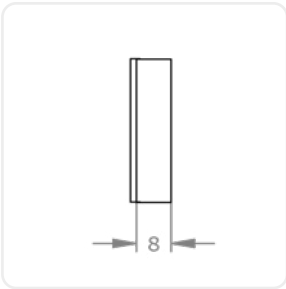
Sample illustration

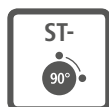


SR22 – Dust and weather protection cover

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

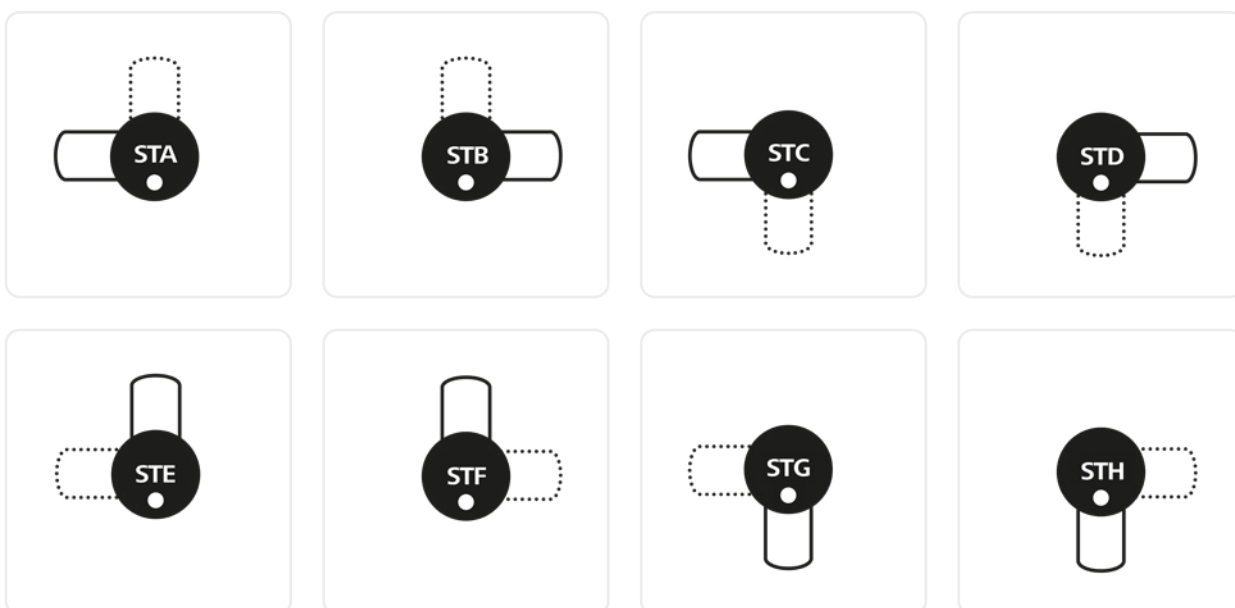




ST[...] – Locking direction A-H

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



Keys


Profile cylinder

Padlocks

Cam lock

MCS cam lock | Options

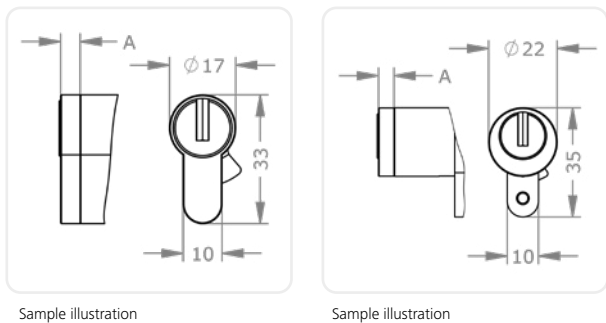
Illustrations and ordering examples are shown using various systems.




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

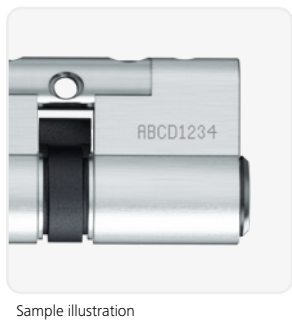




TXT – Customer-specific text

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



Keys

Profile cylinder

Padlocks

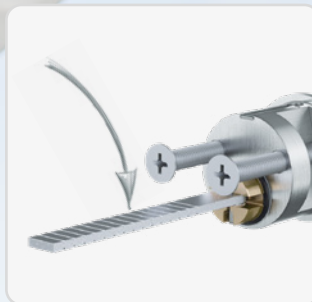
Cam lock



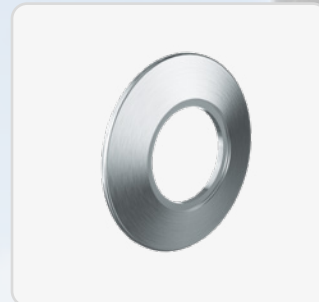
Rim cylinder, outside & inside cylinder



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



Easy to adapt
Versions and options for individual door thicknesses.



Useful accessories
Various escutcheon for a perfect finish.

Keys

Profile cylinder

Padlocks

Cam lock

Outside & inside cylinder

MCS rim cylinder | AZ28.AZ

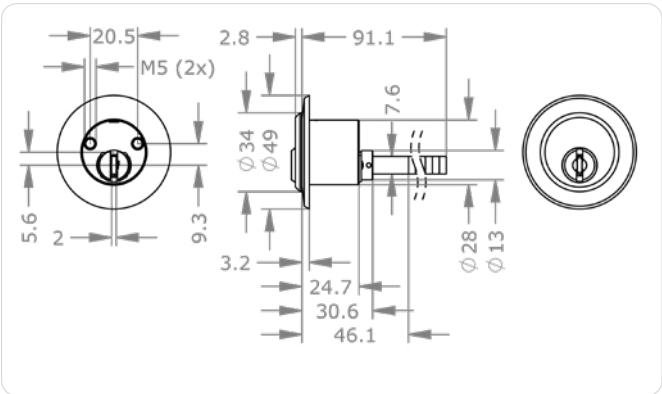


Product description

The MCS AZ28.AZ rim cylinder is suited to use on the outside of the door. Surface mounted lock equipped with a vertical tail bar, fits a hole pattern larger than 28 mm and is rear mounted with throughhole screws. 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
Accessories	Spray FinLube
Security features	Locking authorisation request via 8-fold magnetisation on the key by means of encapsulated, stop-free rotatable magnetic rotors to the left and right of the key channel (authorisation positions) Security elements made of tungsten carbide steel 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 M5x40 fixing screws



Application examples



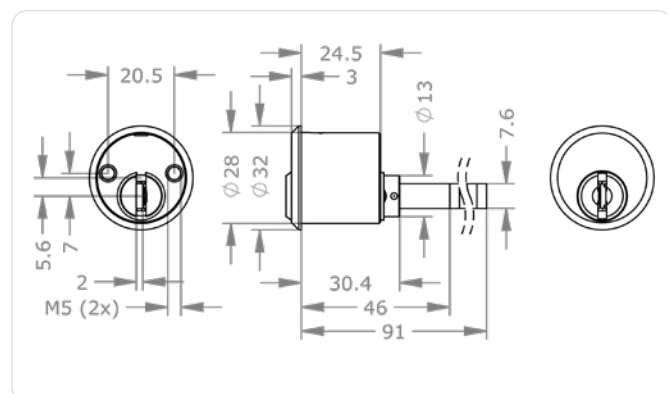
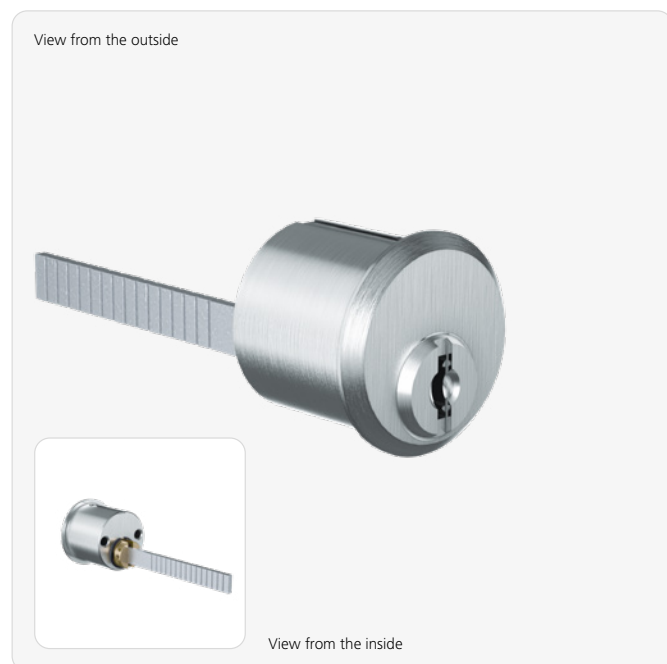
Security squared

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

Ordering

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

MCS rim cylinder | AZ28.AZG



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.

Product description

The MCS AZ28.AZG rim cylinder is suited for use on the outside of the door. Surface mounted lock equipped with a vertical tail bar, fits a hole pattern larger than 28 mm and is rear

mounted with throughhole screws. Application examples are rim locks and surface mounted locks.

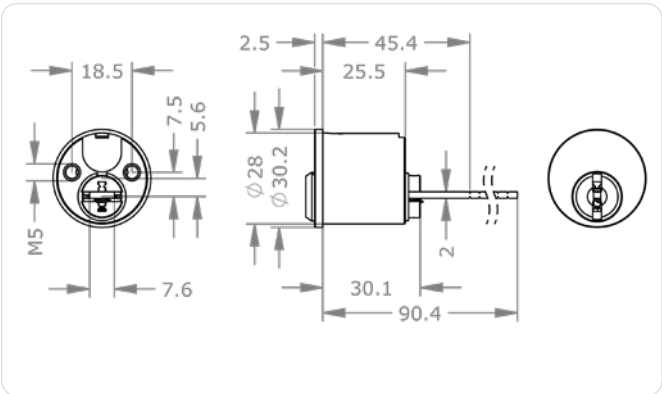
Technical information

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 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
Accessories	Spray FinLube
Security features	Locking authorisation request via 8-fold magnetisation on the key by means of encapsulated, stop-free rotatable magnetic rotors to the left and right of the key channel (authorisation positions) Security elements made of tungsten carbide steel or hardened steel to prevent drilling and pulling
Technical installation situation	For use in various additional locks from other manufacturers up to door leaf thickness 56 mm
Included components	Cylinder with 2 M5x40 fixing screws

Ordering

Product code	M.MCSR.AI.AZ28.AZG.[Finish].[Option]
Example	MCS rim cylinder AZG, nickel finish with escutcheon: M.MCSR.AI.AZ28.AZG.NI.R0U

MCS rim cylinder | AZ28.AZI



Product description

The MCS AZ28.AZI rim cylinder 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 throughhole 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	SKG3-A – SKG *** certified outside
Optional technical installation feature	APA – Fixing plate ABUS® GWB6 – 1 thread M6 R0A – Escutcheon ABUS® R0SKG – 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
Accessories	Spray FinLube
Security features	Locking authorisation request via 8-fold magnetisation on the key by means of encapsulated, stop-free rotatable magnetic rotors to the left and right of the key channel (authorisation positions) Security elements made of tungsten carbide steel 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)

Application examples



Security squared
This rim cylinder fits ABUS® rim locks.

Ordering

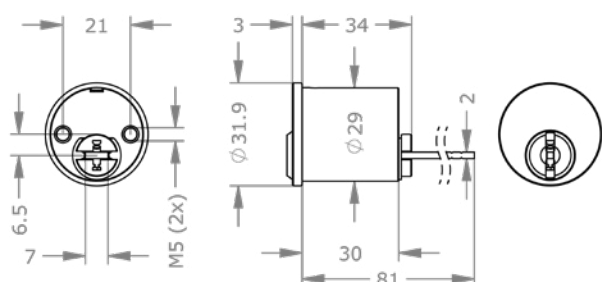
Product code	M.MCSR.AI.AZ28.AZI.[Finish].[Option]
Example	MCS rim cylinder for ABUS rim locks, nickel finish with fixing plate: M.MCSR.AI.AZ28.AZI.NI.APA

MCS rim cylinder | AZ29.I050

View from the outside



View from the inside



Application examples



Product description

The MCS AZ29.I050 rim cylinder 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 through-hole 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
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
Accessories	Spray FinLube
Security features	Locking authorisation request via 8-fold magnetisation on the key by means of encapsulated, stop-free rotatable magnetic rotors to the left and right of the key channel (authorisation positions) Security elements made of tungsten carbide steel 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.MCSR.AI.AZ29.I050.[Finish].[Option]
Example	MCS rim cylinder for Ikon rim locks type 50, nickel finish with escutcheon: M.MCSR.AI.AZ29.I050.NI.R01

MCS rim cylinder | AZ29.I063

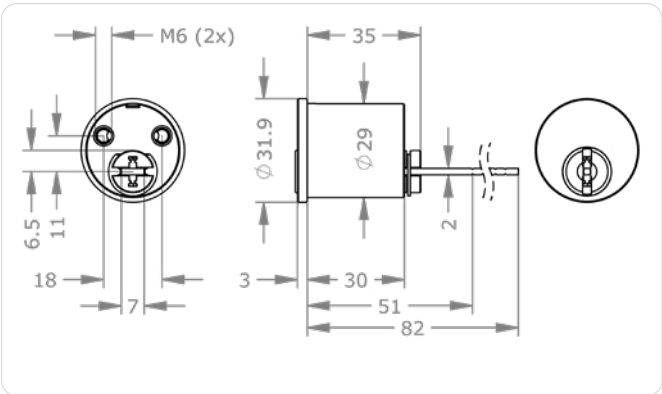


Product description

The MCS rim cylinder AZ29.I063 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
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
Accessories	Spray FinLube
Security features	Locking authorisation request via 8-fold magnetisation on the key by means of encapsulated, stop-free rotatable magnetic rotors to the left and right of the key channel (authorisation positions) Security elements made of tungsten carbide steel 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



Application examples



Security squared
This rim cylinder is suitable for IKON® rim locks.

Ordering

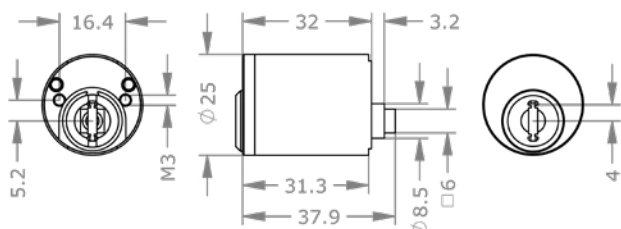
Product code	M.MCSR.AI.AZ29.I063.[Finish].[Option]
Example	MCS rim cylinder for Ikon rim locks type 63, nickel finish with fixing plate and escutcheon: M.MCSR.AI.AZ29.I063.NI.API63.R0I

MCS inside cylinder | IZ25.IZ

View from the outside



View from the inside



Product description

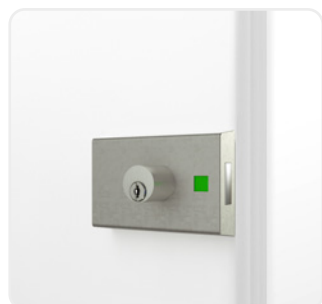
The MCS inside cylinder IZ25.IZ is suitable for use on the inside of wood and metal frame doors. It is equipped with a 6 mm spindle cam for surface-mounted locks, fits a hole pattern larger than

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 NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished chrome PS – Patinated black PB – Patinated brown
Accessories	Spray FinLube
Security features	Locking authorisation request via 8-fold magnetisation on the key by means of encapsulated, stop-free rotatable magnetic rotors to the left and right of the key channel (authorisation positions) Security elements made of tungsten carbide steel or hardened steel to prevent drilling and pulling
Technical installation situation	Installation together with security rim lock K920
Included components	Inside cylinder with rim lock K920

Application examples



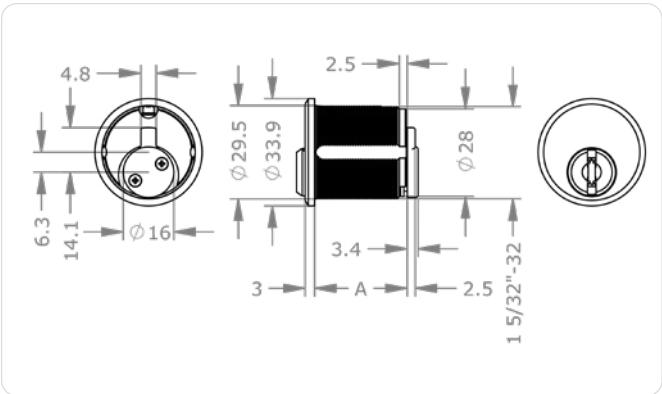
Security squared

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

Ordering

Product code	M.MCSR.AI.IZ25.IZ.[Finish].[Accessories]
Example	MCS inside cylinder for EVVA rim locks, nickel finish with K920: M.MCSR.AI.IZ25.IZ.NI.K920

MCS Mortise cylinder | AZ30RM



Product description

The MCS mortise 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 15/32" 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	29 39 47 57
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
Accessories	Spray FinLube
Security features	Locking authorisation request via 8-fold magnetisation on the key by means of encapsulated, stop-free rotatable magnetic rotors to the left and right of the key channel (authorisation positions) Security elements made of tungsten carbide steel 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

Application examples



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

Ordering

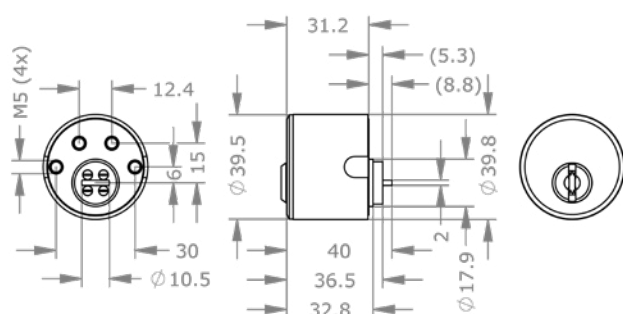
Product code	M.MCSR.AI.AZ30RM.[Outside cylinder length A in mm].[Finish].[Option]
Example	MCS mortise screw-in cylinder, length 25 mm, nickel finish, designed for LIPS cam: M.MCSR.AI.AZ30RM.25.NI.GLIP

MCS outside cylinder | AZ37.SEC

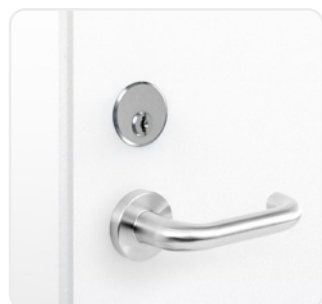
View from the outside



View from the inside



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 MCS 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 pull-throughhole screws. As an example, they can be used in Scandinavian mortise 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
Accessories	FinLube spray
Security features	Locking authorisation request via 8-fold magnetisation on the key by means of encapsulated stop-free rotatable magnetic rotors to the left and right of the key channel (authorisation positions) Security elements made of tungsten carbide steel or hardened steel to prevent drilling and pulling 4-fold screw fixing
Standards and guidelines	SS 3522 Category 3 EN 1303:2015 160B0C6D
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.MCSR.AI.AZ37.SEC.[Finish]
Example	MCS rim cylinder 37 mm diameter, nickel finish: M.MCSR.AI.AZ37.SEC.NI

MCS inside cylinder | IZ37.SEC

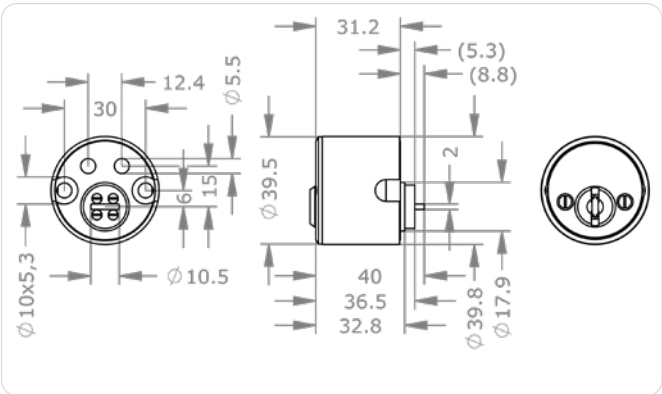


Product description

The MCS 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-throughhole screws. Examples of applications are Scandinavian mortise 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
Accessories	FinLube spray
Security features	Locking authorisation request via 8-fold magnetisation on the key by means of encapsulated, stop-free rotatable magnetic rotors to the left and right of the key channel (authorisation positions) Security elements made of tungsten carbide steel 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



Application examples



Security in the High North

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

Ordering

Product code	M.MCSR.AI.IZ37.SEC.[Finish]
Example	MCS inside cylinder 37 mm diameter, nickel finish: M.MCSR.AI.IZ37.SEC.NI

Keys

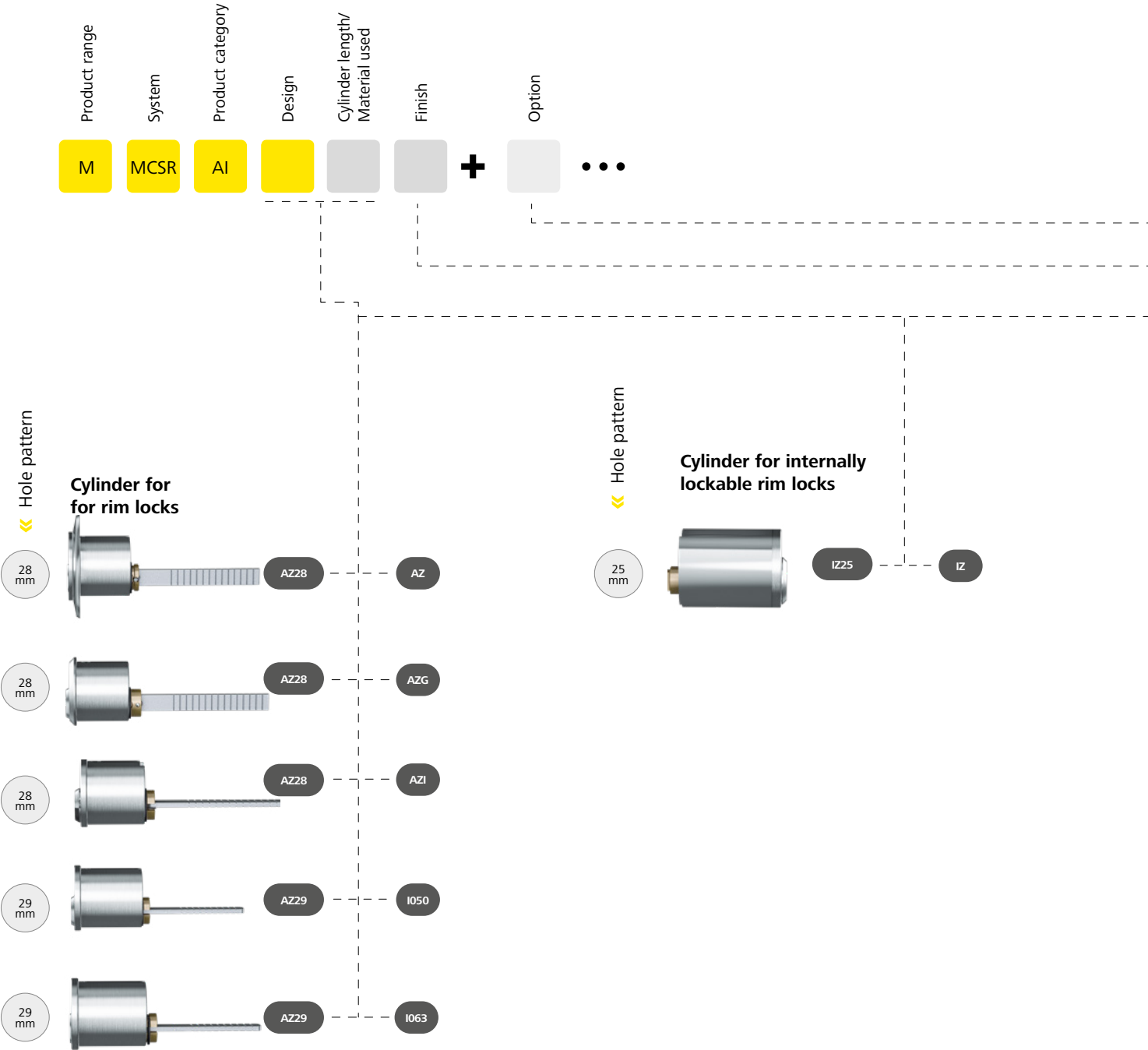
Profile cylinder

Padlocks

Cam lock

Outside &
inside cylinder

MCS Outside/Inside cylinder | Versions



Hole pattern

28 mm

Cylinder for rim locks

AZ28

AZ

28 mm

AZ28

AZG

28 mm

AZ28

AZI

29 mm

AZ29

I050

29 mm

AZ29

I063

Hole pattern

25 mm

Cylinder for internally lockable rim locks

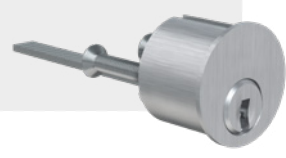
I225

I2



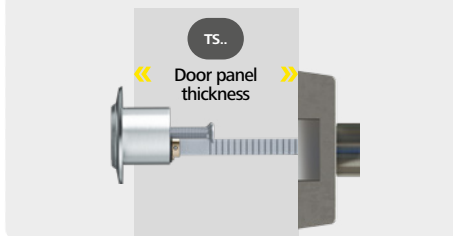
Ensure that the tail bar is correctly aligned
Tail bar width 5 mm, height 3 mm

- 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

30 mm



for screw-in cylinder lock

AZ30RM

29

33

37 mm



for Scand. locks

AZ37

SEC

37 mm



for Scand. locks

I237

SEC

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

Keys

Profile cylinder

Padlocks

Cam lock

Outside & inside cylinder

MCS Outside/Inside Cylinder | Options & Accessories

Illustrations and ordering examples are shown using various systems.



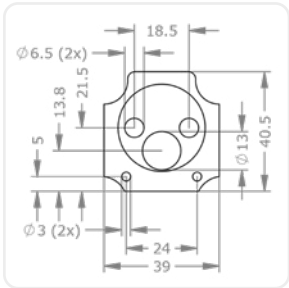
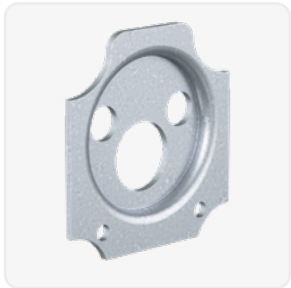
OSN – Without cam
No cam or locking cam is mounted on the cylinder.

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



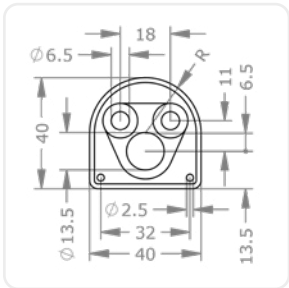
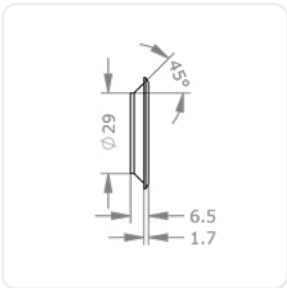
APA – Fixing plate ABUS®
Screw-on plate APA for fastening outside cylinders to the outside of the door.

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



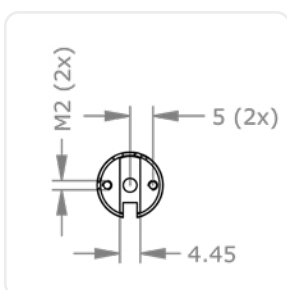
Sample illustration



GLIP – For LIPS® cam

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

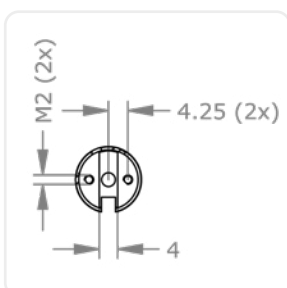
Product code	GLIP
Ordering example for option	M.[System].AI.AZ30RM.22.NI.GLIP



GM0N – For Monarch® cam

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

Product code	GM0N
Ordering example for option	M.[System].AI.AZ30RM.22.NI.GM0N



MCS Outside/Inside Cylinder | Options & Accessories

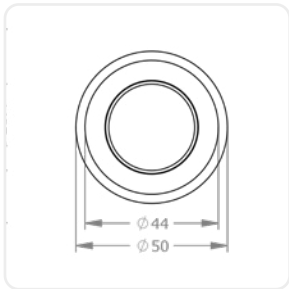
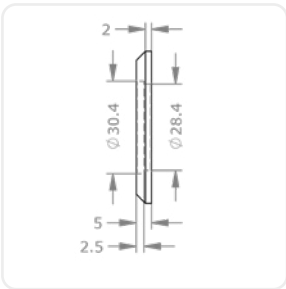
Illustrations and ordering examples are shown using various systems.



R0A – Escutcheon ABUS®

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

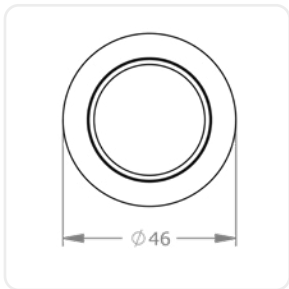
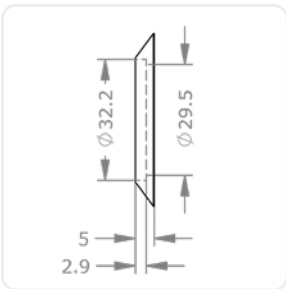
Product code	R0A
Ordering example for option	M.[System].AI.AZ28.AZI.NI.R0A
Ordering example for accessories	M.ZU.R0A



R0I – Escutcheon IKON®

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

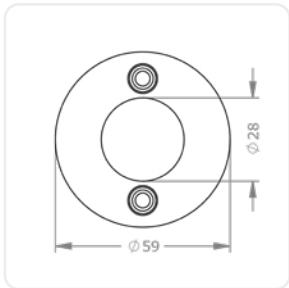
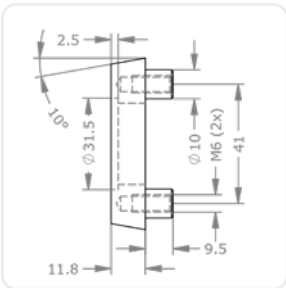
Product code	R0I
Ordering example for option	M.[System].AI.AZ29.I063.NI.R0I
Ordering example for accessories	M.ZU.R0I



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.

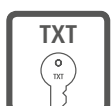
Product code	R0SKG
Ordering example for option	M.[System].AI.AZ28.AZI.NI.SKG-A.R0SKG
Ordering example for accessories	M.ZU.R0SKG




SPV – Twisted tail bar

The tail bar is rotated 90°.

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


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

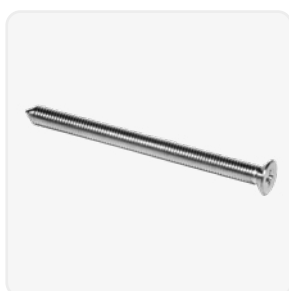


Sample illustration


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



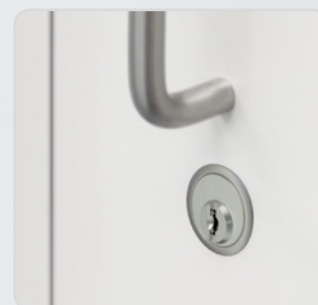


Furniture cylinders



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.

Keys

Profile cylinder

Padlocks

Cam lock

Outside & inside cylinder

Furniture cylinders

MCS Pedestal lock | MR25Z



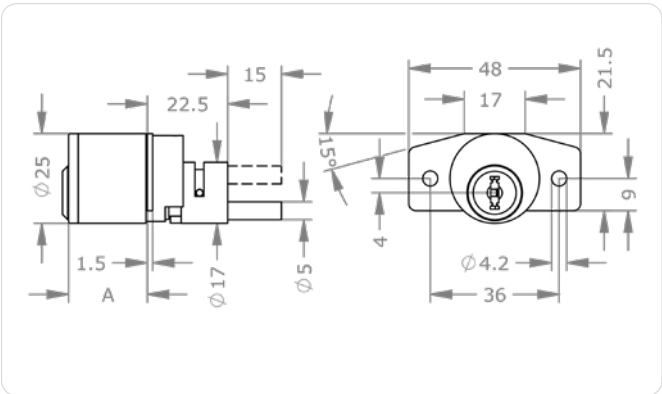
Product description

The MCS pedestal lock MR25Z 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 25 mm.

It is fastened using a fixing plate. Application examples are furniture roll containers and for central drawer locks.

Technical information

Cylinder length on the outside A in mm	22
Finish	NI – Nickel MS – Brass NP – Polished Nickel NPV – Nickel fully polished MP – Polished Brass MPV – Brass fully polished ML – Brass lacquered CR – Chrome CP – Polished Chrome CPV – Chrome fully polished PS – Patinated Black PB – Patinated Brown
Accessories	FinLube spray
Security features	Locking authorisation request via 8-fold magnetisation on the key by means of encapsulated, stop-free rotatable magnetic rotors to the left and right of the key channel (authorisation positions) Security elements made of tungsten carbide steel 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



Application examples



Security on wheels

This pedestal lock is specially designed for roll containers with a pedestal lockbar.

Ordering

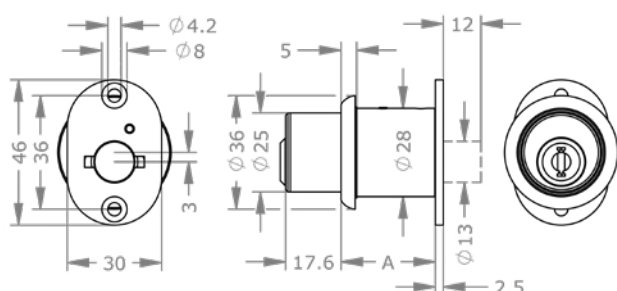
Product code	M.MCSR.MZ.MR25Z.[Outside cylinder length A in mm].[Option]
Example	MCS pedestal lock 25 mm diameter, length 22 mm, nickel finish: M.MCSR.MZ.MR25Z.22.NI

MCS Push cylinder | DRZ28

View from the outside



View from the inside



Application examples



Push and secured

When pressed, sliding furniture doors and wall panels lock.

Product description

The MCS push cylinder DRZ28 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 28 mm and is rear mounted using a fixing plate. Examples of applications are office furniture with sliding doors.

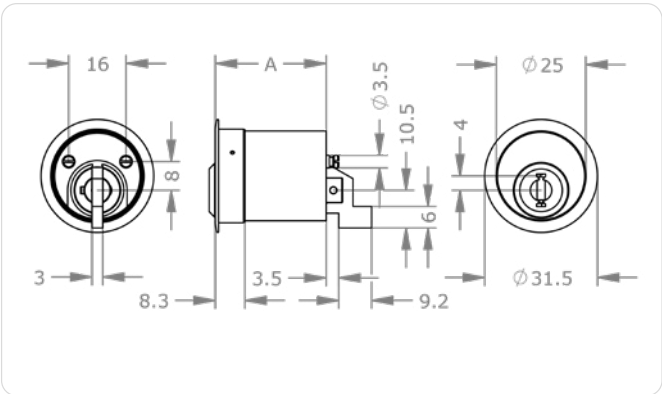
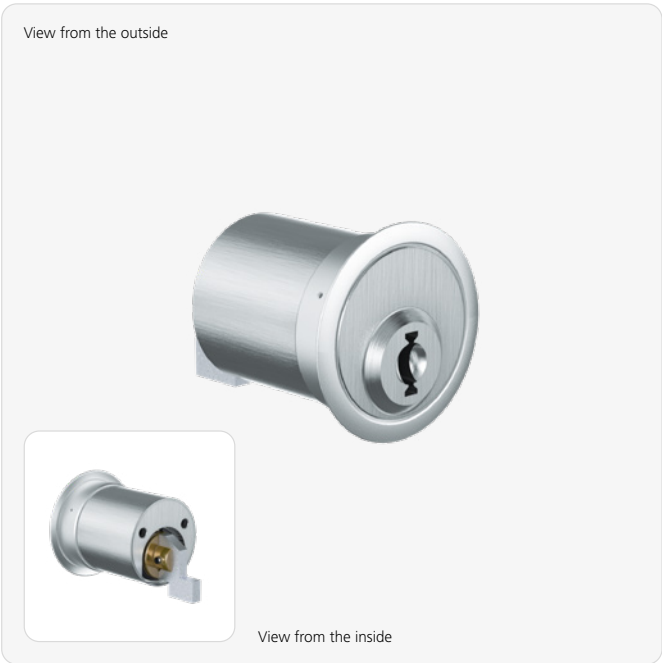
Technical information

Cylinder length on the outside A in mm	30
Finish	NI – Nickel MS – Brass NP – Polished Nickel NPV – Nickel fully polished MP – Polished Brass 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 extended 5 mm KV10 – Plug end extended 10 mm R0GT – Glass door escutcheon for push cylinder
Accessories	FinLube spray
Security features	Locking authorisation request via 8-fold magnetisation on the key by means of encapsulated, stop-free rotatable magnetic rotors to the left and right of the key channel (authorisation positions) Security elements made of tungsten carbide steel 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.MCSR.MZ.DRZ28.[Outside cylinder length A in mm].[Finish].[Option]
Example	MCS push cylinder, 28 mm diameter, nickel finish, plug end extended: M.MCSR.MZ.DRZ28.NI.KV05

MCS Furniture cylinder | MR25



Product description

The MCS furniture cylinder MR25 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	30
Finish	NI – Nickel MS – Brass NP – Polished Nickel NPV – Nickel fully polished MP – Polished Brass 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 extended 5 mm KV10 – Plug end extended 10 mm R0GT – Glass door escutcheon for push cylinder
Accessories	FinLube spray
Security features	Locking authorisation request via 8-fold magnetisation on the key by means of encapsulated, stop-free rotatable magnetic rotors to the left and right of the key channel (authorisation positions) Security elements made of tungsten carbide steel 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

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.MCSR.MZ.DRZ28.[Outside cylinder length A in mm].[Finish].[Option]
Example	MCS push cylinder, 28 mm diameter, nickel finish, plug end extended: M.MCSR.MZ.DRZ28.NI.KV05

Keys

Profile cylinder

Padlocks

Cam lock

Outside &
inside cylinder

Furniture cylinders

Matching accessories



Sample illustrationen

- NI >> Nickel (standard)
- MS >> Brass
- NP >> Polished Nickel
- NPV >> Nickel fully polished
- MP >> Polished Brass lacquered inside
- 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

Keys

Profile cylinder

Padlocks

Cam lock

Outside & inside cylinder

Furniture cylinders

MCS Furniture cylinder | Options & Accessories

Illustrations and ordering examples are shown using various systems.



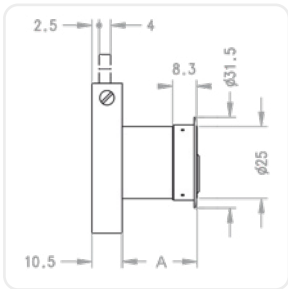
4000[...] – Furniture lock Universal 4000

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

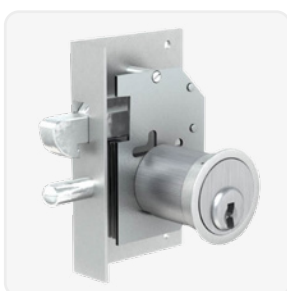




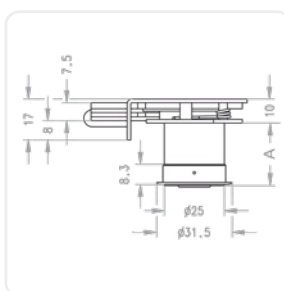
ERK[...] – Furniture lock ERK

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

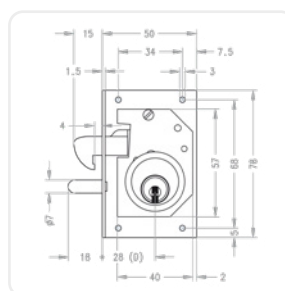
Variants	LI – Left RE – Right
Technical specifications	Galvanised steel lock case solid lock case design 7 mm guide bolts
Product code	ERK[LI, RE]
Ordering example for option	M.[System].MZ.MR25.26.NI.ERKRE
Ordering example for accessories	M.ZU.ERKRE



Sample illustration ERKRE



Sample illustration ERKRE



Sample illustration ERKRE



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

MCS Furniture cylinder | Options & Accessories

Illustrations and ordering examples are shown using various systems.



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

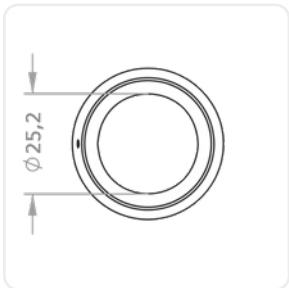
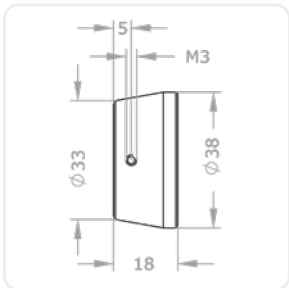
M.[System].MZ.MR25.26.NI.GKMR

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

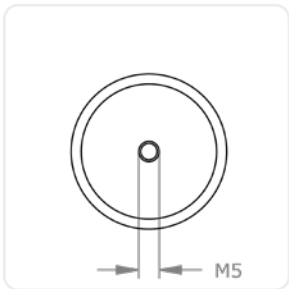
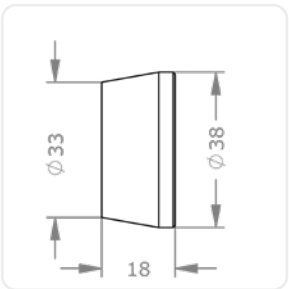
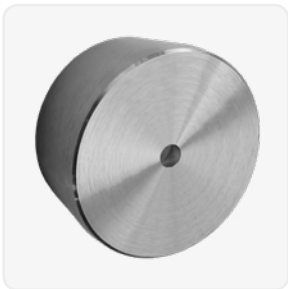
Suitable for GKMR

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

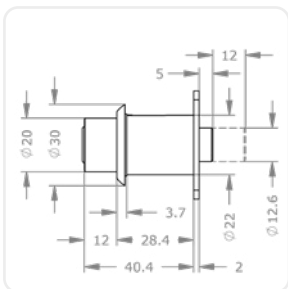
KV05

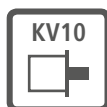
Ordering example for option

M.[System].MZ.DRZ22.28.NI.KV05



Sample illustration





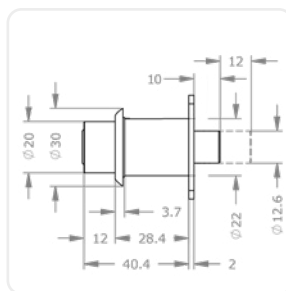
KV10 – Plug end elongation 10 mm

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



MAR[...] – Furniture Lock MAR

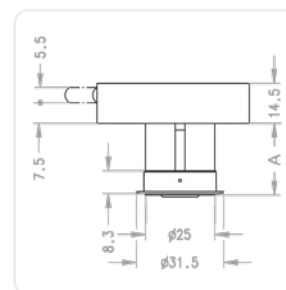
The stop bolt lock with 4-fold screw connection is ideal for the simple locking of drawers, locker doors and cabinets.

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	
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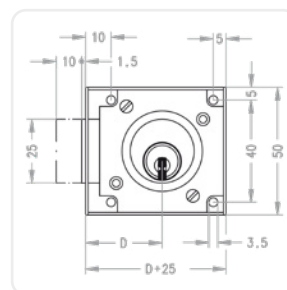
Technical specifications	Solid lock case design 1-turn 10 mm bolt ejection
Product code	MAR[Backset D in mm][LI, RE, LA]
Ordering example for option	M.[System].MZ.MR25.26.NI.MAR35LI
Ordering example for accessories	M.ZU.MAR35LA



Sample illustration MAR30LI



Sample illustration MAR[D]RE



Sample illustration MAR[D]RE

MCS Furniture 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



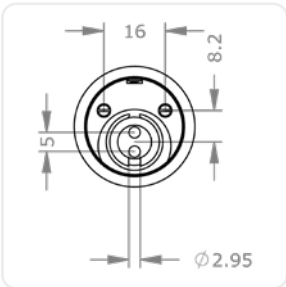
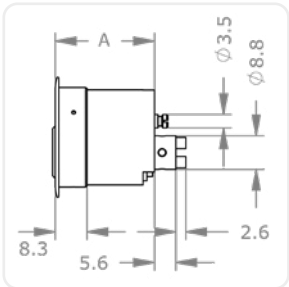
Sample illustration



UL – For furniture lock UNI4000 drawer

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

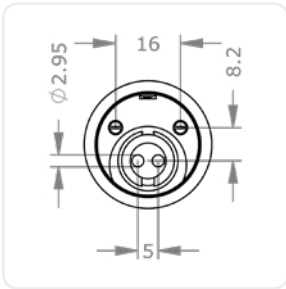
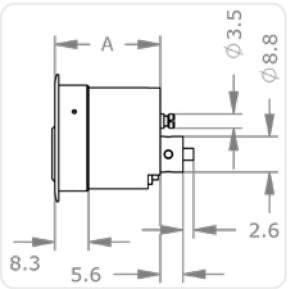
Product code	UL
Ordering example for option	M.[System].MZ.MR25.26.NI.UL



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



Keys

Profile cylinder

Padlocks

Cam lock

Outside &
inside cylinder

Furniture cylinders



Switch- and switching cylinders



Turn on, turn off

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



One switch, many states

Individually configurable locking directions allow control via multiple switching positions.



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

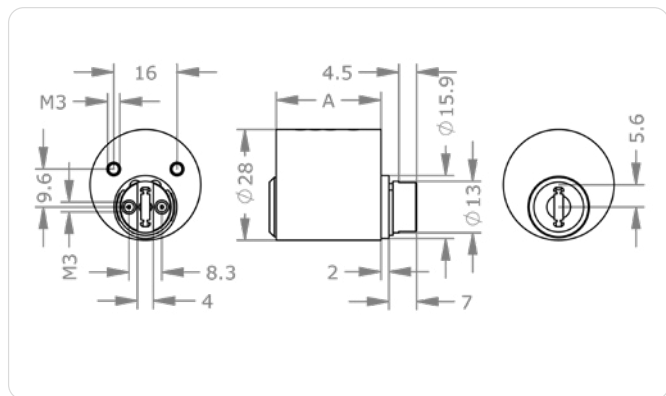
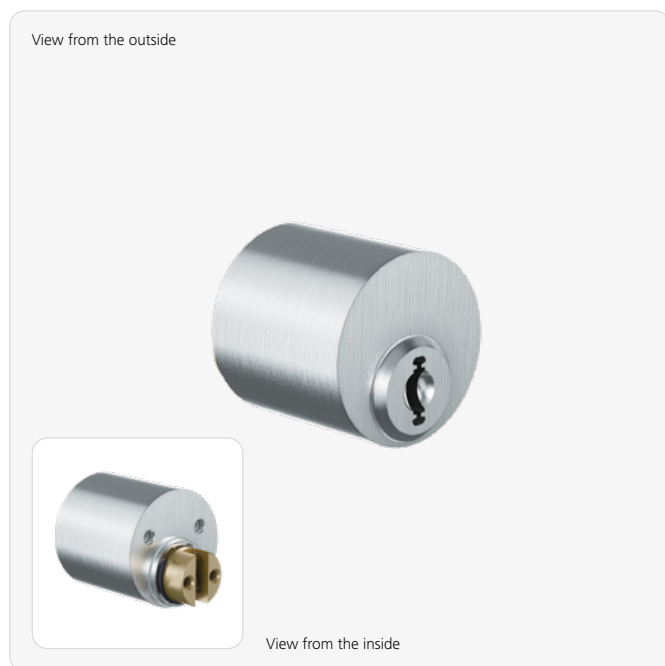
Cam lock

Outside & inside cylinder

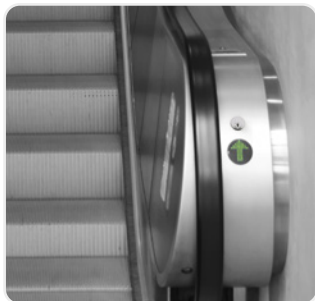
Furniture cylinders

Switch- and switching cylinder

MCS 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 MCS 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 28mm 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 MS – Brass NP – Polished Nickel NPV – Nickel fully polished MP – Polished Brass MPV – Brass fully polished and coated ML – Brass lacquered CR – Chrome CP – Polished Chrome CPV – Chrome fully polished PS – Patinated Black PB – Patinated Brown
Accessories	FinLube spray
Security features	Locking authorisation request via 8-fold magnetisation on the key by means of encapsulated, stop-free rotatable magnetic rotors to the left and right of the key channel (authorisation positions) Security elements made of tungsten carbide steel 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

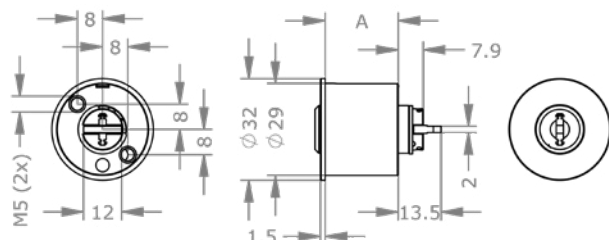
Product code	M.MCSR.SZ.MR28A.[Outside cylinder length A in mm].[Finish].[Option]
Example	MCS lift cylinder 28 mm, nickel finish, length 27 mm: M.MCSR.SZ.MR28A.27.NI

MCS switch cylinder | AZ29SZ

View from the outside



View from the inside



Product description

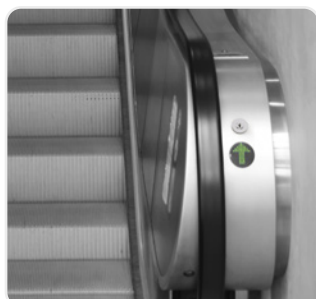
The MCS switch cylinder AZ29SZ is suitable for use in various lift control systems. It is equipped with EDP tail bar on the back, fits a hole pattern larger than 29 mm with a 32 mm collar and is fastened

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 MS – Brass NP – Polished Nickel NPV – Nickel fully polished MP – Polished Brass 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 numbering
Accessories	FinLube spray
Security features	Locking authorisation request via 8-fold magnetisation on the key by means of encapsulated, stop-free rotatable magnetic rotors to the left and right of the key channel (authorisation positions) Security elements made of tungsten carbide steel 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.MCSR.SZ.AZ29SZ.[Outside cylinder length A in mm].[Finish].[Option]
Example	MCS switching cylinder AZ29, with EDP tail bar, nickel finish: M.MCSR.SZ.AZ29SZ.23.NI

MCS switch cylinder | MB23SZ



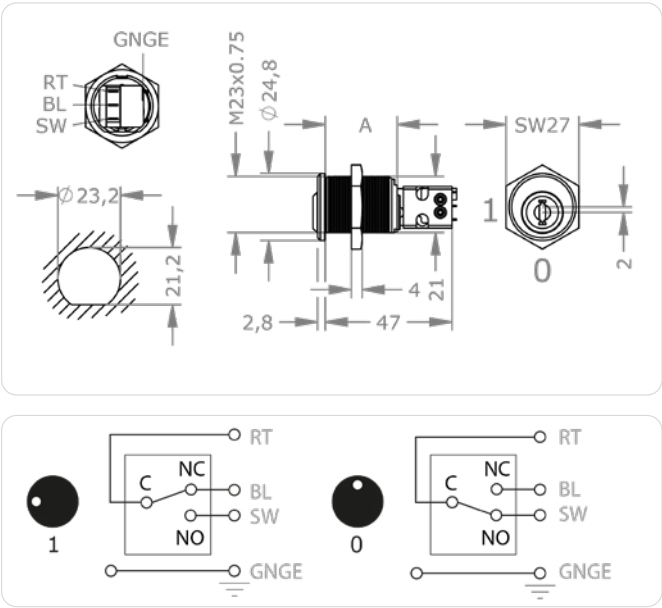
Product description

The MCS 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

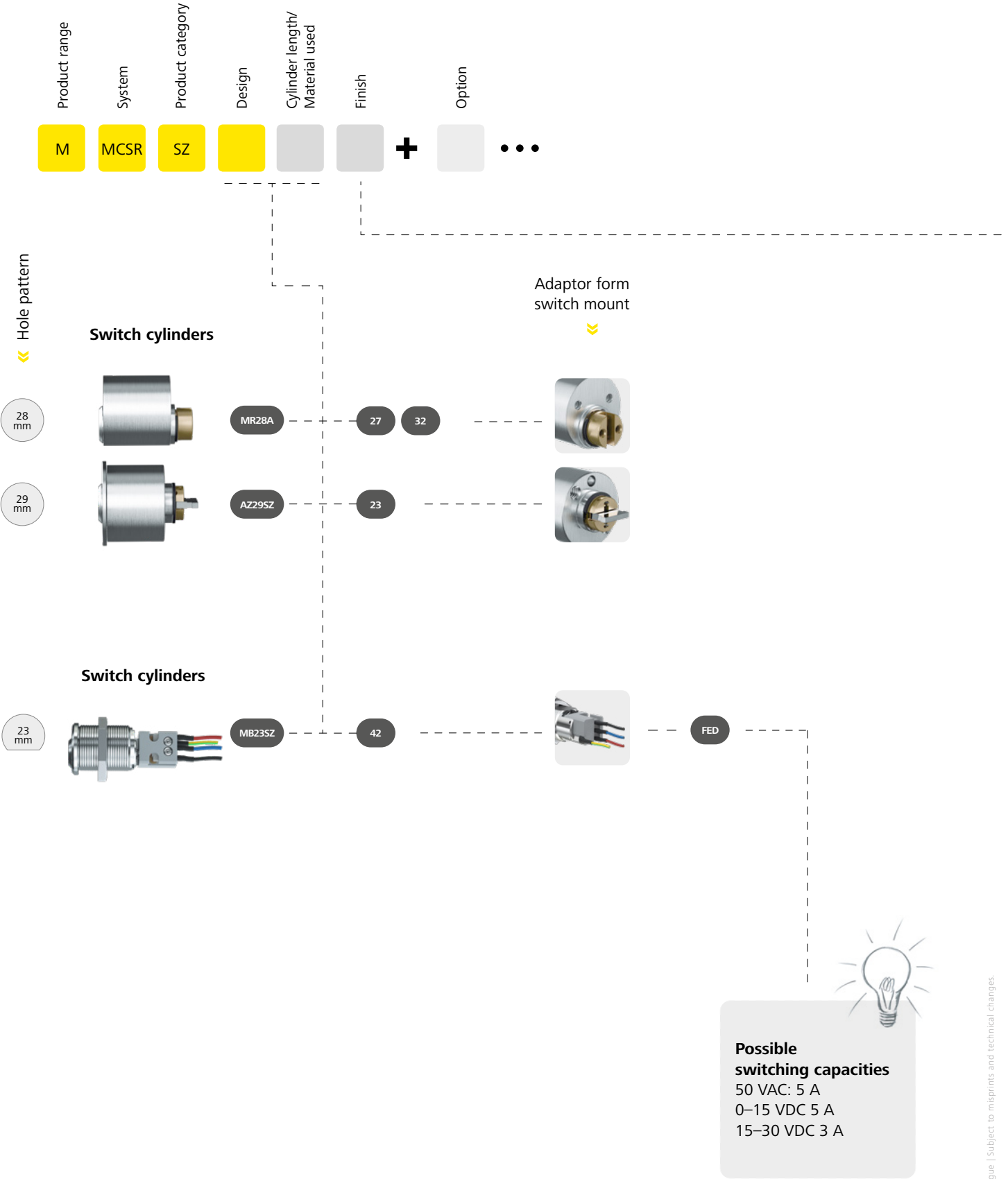
Cylinder length on the outside A in mm	42
Finish	NI – Nickel MP – Polished Brass NP – Polished Nickel MS – Brass ML – Brass lacquered CR – Chrome CP – Polished Chrome PS – Patinated Black PB – Patinated Brown
Optional usage feature	FED – Spring return TXT – custom specific text
Accessories	FinLube spray
Security features	Locking authorisation request via 8-fold magnetisation on the key by means of encapsulated, stop-free rotatable magnetic rotors to the left and right of the key channel (authorisation positions) Security elements made of tungsten carbide steel or hardened steel to prevent drilling and pulling
Technical installation situation	Possible switching capacities: 250 VAC: 5 A 125 VAC: 5 A 0–15 VDC: 5 A 15–30 VDC: 3 A
Included components	Switch cylinder with integrated microswitch, fastening nut M23



Ordering

Product code	M.MCSR.SZ.MB23SZ.[Outside cylinder length A in mm].[Finish].[Option]
Example	MCS switch cylinder diameter 30 mm, nickel finish: M.MCSR.SZ.MB23SZ.42.NI

MCS switch & switching cylinder | Versions



Hole pattern

Switch cylinders

28 mm

MR28A

27

32

29 mm

AZ29SZ

23

Switch cylinders

23 mm

MB23SZ

42

FED













Adaptor form
switch mount

Possible
switching capacities

50 VAC: 5 A

0–15 VDC 5 A

15–30 VDC 3 A

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

Keys

Profile cylinder

Padlocks

Cam lock

Outside &
inside cylinder

Furniture cylinders

Switch- and
switching cylinder

MCS switch & switching cylinder | Options & Accessories

Illustrations and ordering examples are shown using various systems.



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



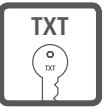
FIN[...] – Spray FinLube

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

MCS | Implementation

01

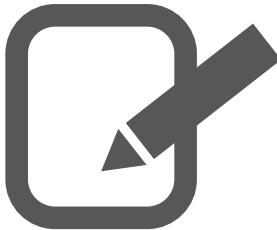
Page
144

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

02

Page
148

Planning
Project planning, project planning
tools, prices, standards



03

Page
154

Setup

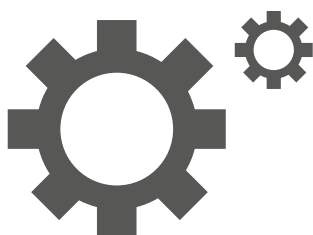
Ordering, delivery times, system setup

04

Page
156

Handover & Operation

Documentation, training, support & warranty, maintenance & updates



Support | Parameter, tips and tools



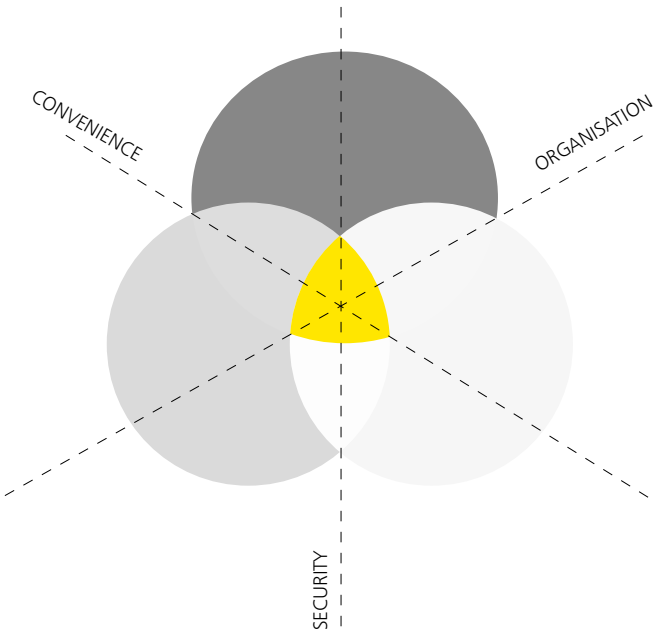
Comprehensive and responsible support is particularly important with regard to security.

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

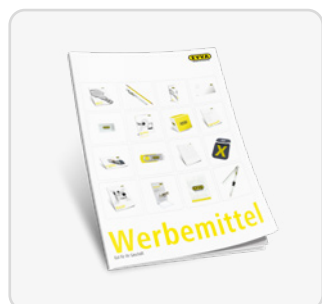
What is ideal for one building may be inadequate for another. Even in individual areas within the same facilities there are often different requirements.

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



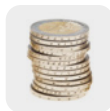
- 3

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

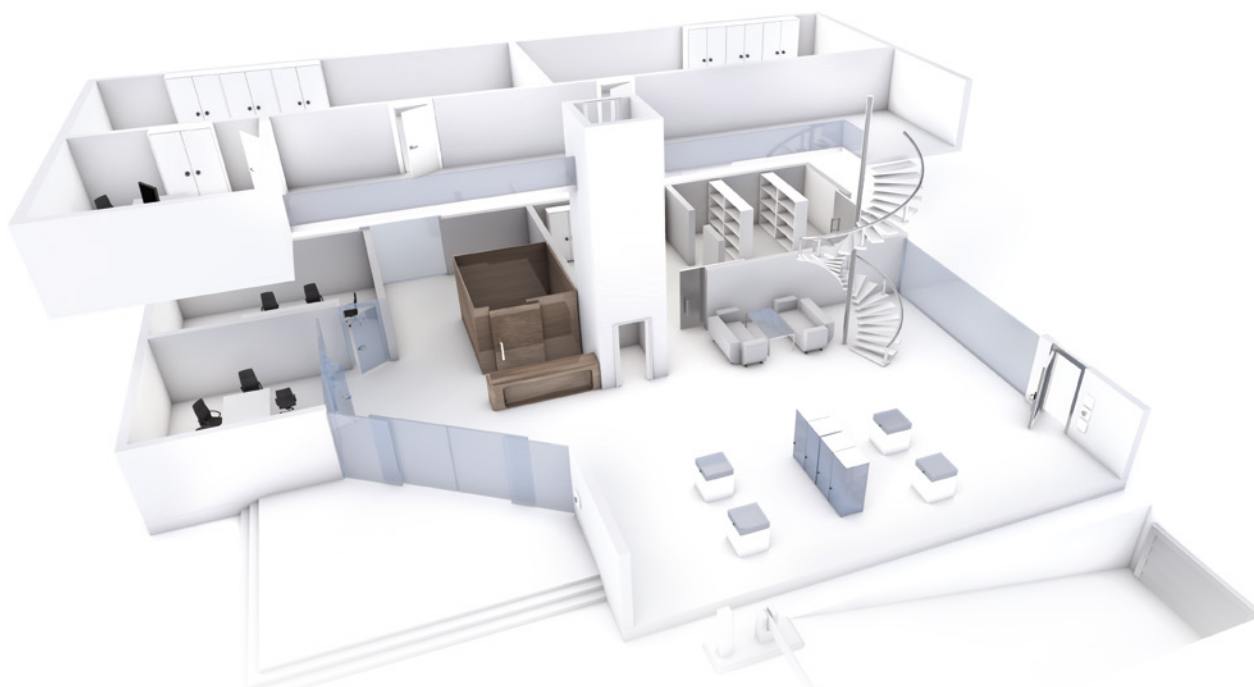
Tough for burglars to crack
Cylinder locks must be equipped with as many protective features as possible to withstand burglary attacks.
10 points



- 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

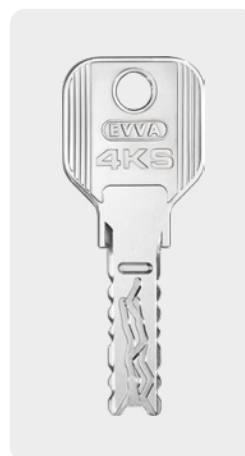
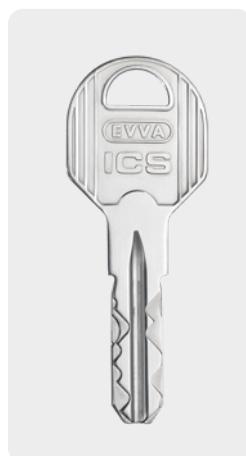
The ICS is a modern locking system with a robust reversible key and high-quality protection devices.

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.



	3/10		5/10		7/10		8/10		10/10
	7/10		10/10		7/10		9/10		9/10
	5/10		5/10		8/10		10/10		9/10
	6/10		6/10		7/10		10/10		10/10
	3/10		6/10		7/10		10/10		10/10

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

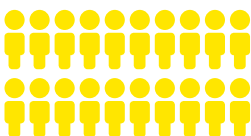
An “indicative offer” can be created quickly based on the number of cylinder locks and keys required.

15x



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

20x



Users
Employees and others
Authorised



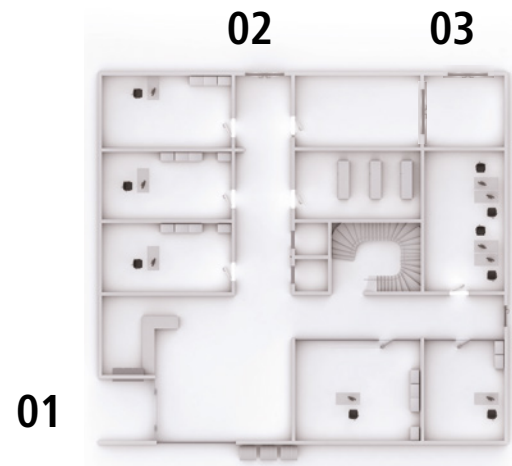
Many customers do not know that devices, furniture or electrical systems can also be integrated into the master key system!

Note the numerous options with which the functions and areas of application of cylinders 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 - Management	B - Production staff	C - Office staff	D - Supplier
01 - Haupteingang	1 x M.MCSR.FZ.D2-S.31/36.NI	X	X	X	
02 - Nebeneingang	1 x M.MCSR.FZ.D2-S.31/36.NI	X	X	X	
03 - Lagereingang	1 x M.MCSR.FZ.D2-S.36/36.NI	X	X		X



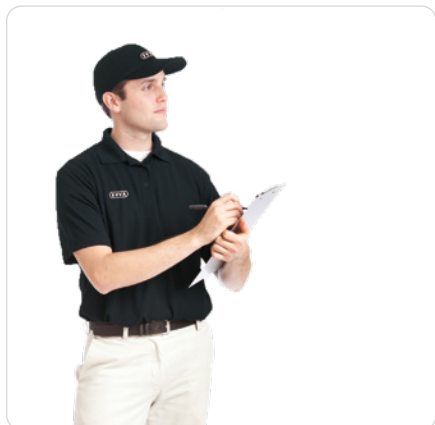
For complex master key systems EVVA supports you with a lock chart check. Beforehand, the implementation possibilities and customer wishes in the required system can be checked here. Always try to keep the number of authorisation groups as small as possible. This brings the advantage of a clearly understandable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

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 cylinders

This standard classifies the attack resistance and the key related security of cylinders, 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 cylinders 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 cylinder.

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

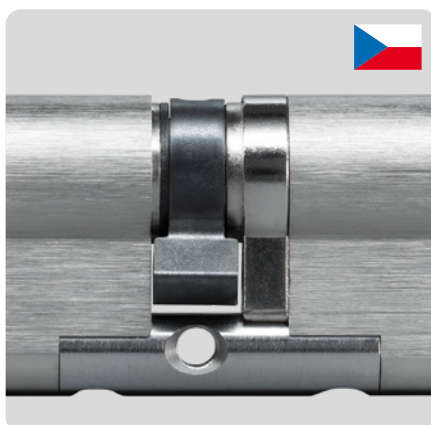


NBÚ certificate

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

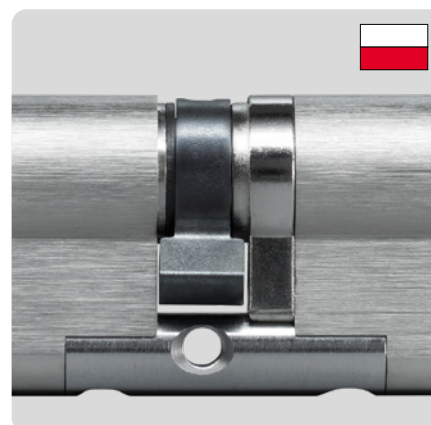


Trezor test

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

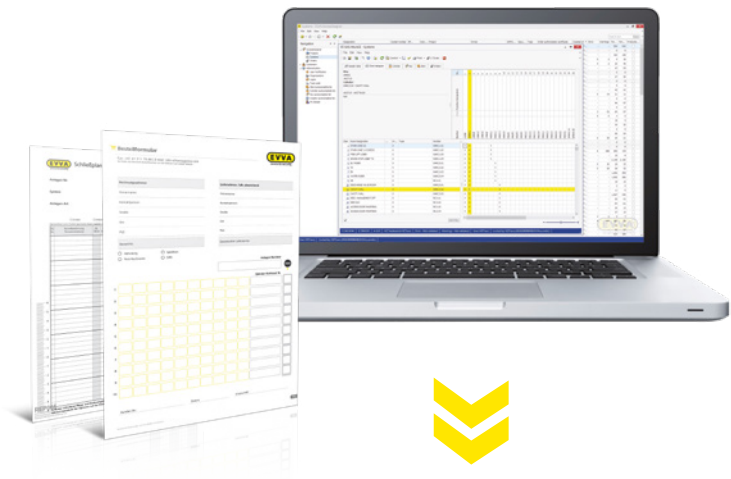
The Polish National Testing Institute IMP tests and certifies cylinders for burglary resistance and function in accordance with PN EN 1303 and national guidelines. Burglary classes A,B,C describe the burglary-resistant properties of the cylinder.

Product example:

- Double cylinder DZ

Setup | 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.



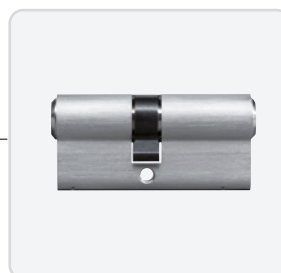
**Deliverable
in 10 days**
EVVA's sensational delivery promise:
Cylinders delivered to the desired
delivery address within 10 days
of order confirmation.*

* 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



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.



Compact cylinder**.



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



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.



EVVA quick help

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

Handover & Operation | Components

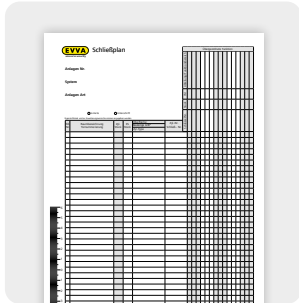
Documentation

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

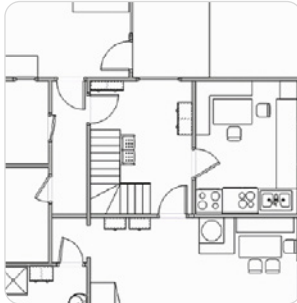
Said documentation may consist of several elements.



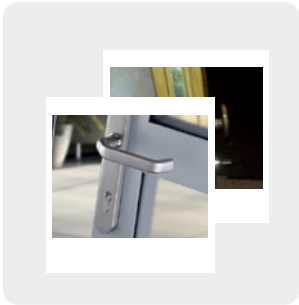
Project documentation



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

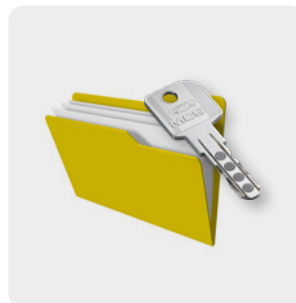
Support & Warranty

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.

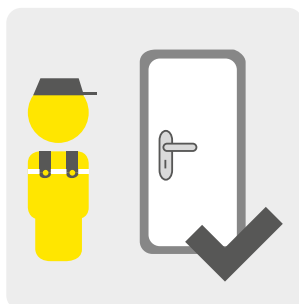


Delivery

EVVA always strives to provide attractive delivery dates. Ask your EVVA consultant.

Maintenance & Updates

Excellent reasons to stay in touch after successful implementation.



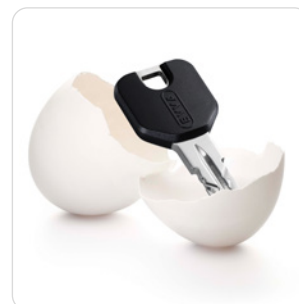
Checks

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.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Imprint

Publisher

EVVA Sicherheitstechnologie GmbH

Responsible for content

EVVA Sicherheitstechnologie GmbH

Editorial team: Marcus Anderle

Graphics: René Kern, Christine Artner | **Texts:** Marcus Anderle, Nina Dominici

Photographs: Bernhard Schramm, Vienna Paint, iStockphoto, fotolia |

Print: i+i print s.r.o. | Bratislava

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