Product catalogue

Mechanical locking system **MCS**

System characteristics

MCS uses the elementary power of magnetism. Its one magnetic and two mechanical codings guarantee triple security. Its permanent magnetisation is durable and long-lasting. MCS was developed by EVVA in close cooperation with technical universities – for strict security requirements and highly complex access hierarchies.

Key copying protection

▶ Organisational protection thanks to an identification procedure for key duplicate orders
▶ Legal protection thanks to patents and industrial property rights
▶ Technical and technological protection thanks to features such as permanent magnetisation

Lock cylinder security

▶ Picking protection
▶ Drilling protection
▶ Snapping and plug pulling protection
▶ Picking resistance
▶ Bump key protection

How you benefit

▶ Maximum key copying protection
▶ For highly complex master key systems
▶ Each lock and each key are unique
▶ One magnetic and two mechanical (profile and locking pin) levels of coding
▶ Samarium cobalt 5 permanent magnets ensure a long service life. They cannot be re-magnetised or de-magnetised using conventional methods
▶ Dual authorisation queries during the locking action
▶ Optimum wear resistance
▶ Modular design

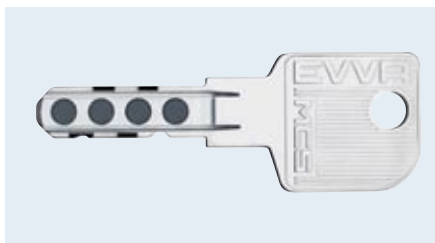Length deviations of 0.5 mm per cylinder side possible

Reg.Nr. ON-N2009197 · B 5351 GEPRÜFT W$_2$6 · VdS · SKG · 90 min · KM 547775

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Errors and misprints excepted. Subject to technical change without notice.
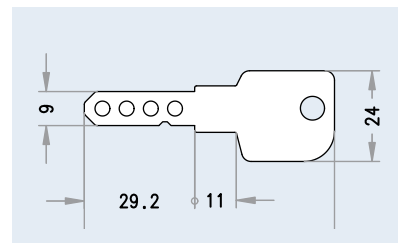
1

Standard Key

Ordering information
▶ SL [system and key number]

■ **Technical data**
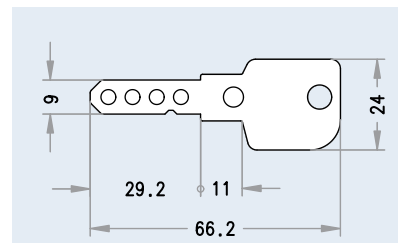▶ Key made of an extremely durable nickel silver alloy

Key With Colour Dot

Ordering information
▶ SL [system and key number]
▶ Colour dot [colour]: red, blue, green, yellow, brown, black, ice green, violet, dark red, aubergine, pink

■ **Technical data**
▶ Key made of an extremely durable nickel silver alloy
▶ Recessed colour dot on key neck

Key With Plastic Cap

■ **Technical data**
▶ Key made of an extremely durable nickel silver alloy
▶ Key cap made of plastic; colour: anthracite
▶ Key upper section made of plastic; colour: anthracite, red, blue, yellow, green.

Ordering information
▶ SLKA [system and key number]
▶ Unless otherwise specified, key has anthracite colour or key upper section in red, blue, green, yellow
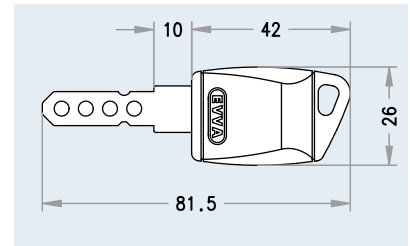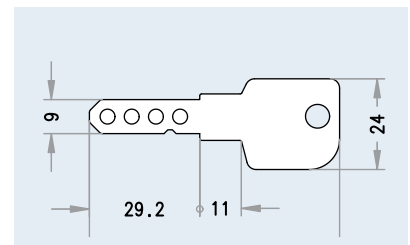
Key With Additional Numbering
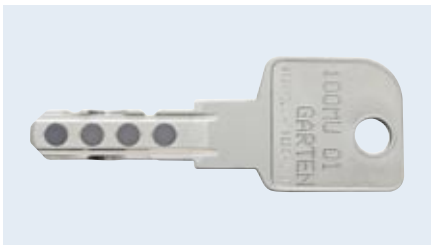
■ **Technical data**
▶ Customised inscription (in addition to system number and key number), e.g. "garden"
▶ Consecutive numbering of keys (keys with identical authorisations receive consecutive number)
▶ Key made of an extremely durable nickel silver alloy

Ordering information
▶ SL [system and key number] designation/ number as required by customer; up to 18 characters if technically possible (no special characters)

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Proximity Combi-key

Technical data

- ▶ Key with integrated electronic identification medium (contactless)
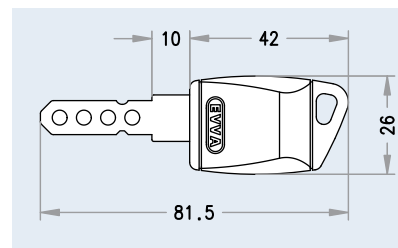- ▶ Key bow made of durable polycarbonate; colour: anthracite

Ordering information

- ▶ SL [system and key number] CCM1KES (MIFARE 1k, anthracite)
- ▶ SL [system and key number] CCM4KES (MIFARE 4k, anthracite)
- ▶ SL [system and key number] CCD4KES (Desfire 4k, anthracite)
- ▶ SL [system and key number] CCL1KES (Legic 1k, anthracite)
- ▶ Red or yellow cap colour available

iButton Combi-key

Technical data

- ▶ Key with integrated electronic identification medium (touch-sensitive)
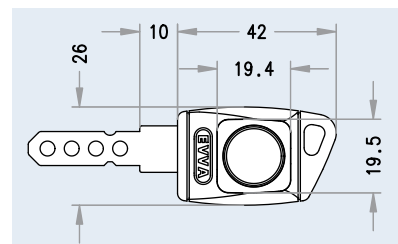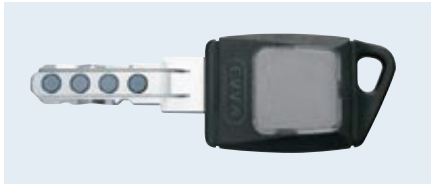- ▶ Key bow made of durable polycarbonate; colour: anthracite

Ordering information

- ▶ SL [system and key number] CEIRWES (iButton R/W 512B)
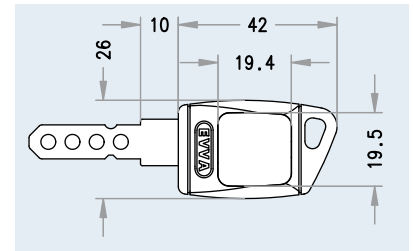
Combi-key Upgrade Models

Ordering information
▶ SL [system and key number] CE000TS

■ **Technical data**
▶ Key is designed to incorporate electronic upgrade media (contactless and touch-sensitive)
▶ Key bow made of durable polycarbonate, without electronics; colour: anthracite
▶ Key can be retrofitted with an electronic medium by the customer

MIFARE 1 K/Legic 1 K Combi-key Upgrade Medium

Ordering information
▶ CMM1KE0
▶ CML1KE0

■ **Technical data**
▶ Key cover with integrated electronic identification medium for use in Combi-key upgrade models
▶ MIFARE 1 K identification medium
▶ Legic 1 K identification medium

iButton R/W 512 B Combi-key Upgrade Medium

Ordering information
▶ CMIRWE0

■ **Technical data**
▶ Key cover with integrated electronic identification medium for use in Combi-key upgrade models
▶ iButton R/W 512 B identification medium

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MCS

Magnetic Code System

DZ Double Cylinder

Ordering information

▶ DZ cylinder length A/B, [finish], [security and usage options]

Applications and usage

▶ For mortise locks in accordance with DIN or ÖNORM
▶ For mortise locks in accordance with European technical standards
▶ For mortise locks with profile cylinder hole

Functional characteristics

▶ Lockable on both sides with key
▶ Cam rotation: 360 degrees
▶ Cam removal position: 30 degrees (from the short side)

Security features

▶ Hard metal drilling protection in plug and body
▶ Pulling protection due to chrome-nickel connecting rod
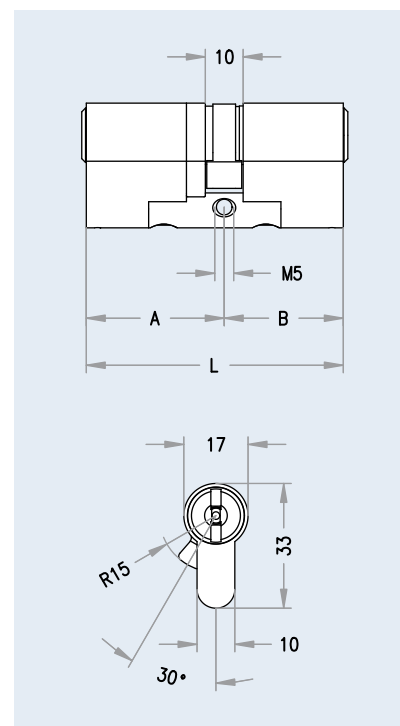▶ Vertical key insertion and optimal scanning of locking elements

Technical data

▶ Cylinder body base material: brass
▶ Cylinder plug base material: brass
▶ Cam home position: 30 degrees
▶ Cam width: 9.3 mm
▶ Modular cylinder design

Scope of supply

▶ Locking cylinder with fixing screw

Installation & operation

▶ Easy cylinder installation in a prepared, empty cylinder hole
▶ Cylinder projecting length may not exceed 3 mm for security-relevant doors
▶ Cylinder fixed through a M5 fastening hole

Cylinder lengths

Finishes

Finishes	Abbreviations	Standard	Surcharge
Polished brass	PB	●	
Satin nickel	NI	●	
Polished nickel	PN		O
Satin chrome	CR		O
Polished chrome	PC		O
Black	BL		O
Brown	BW		O
Satin brass	BR		O
PVD	PVD		O

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DZ Double Cylinder | Options

BSZ - double cylinder with external key override, danger function for double cylinder
Permits operation of the cylinder even when an authorised key is inserted in the opposite side.
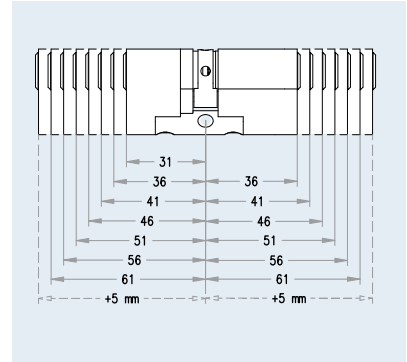
Ordering information
▶ DZ cylinder length A/B, [finish] BSZ

SSW – protection mechanism against dust and weathering influences (dust cover)
Spring-loaded shutter plates integrated into the cylinder that automatically open or close when the key is inserted or removed.
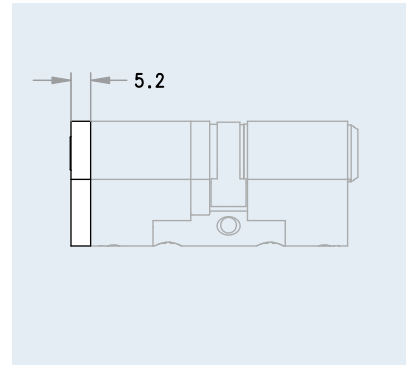
Ordering information
▶ DZ cylinder length A/B,
  [finish]
  – SSW-BS (both sides)
  – SSW-ES (one-sided, with symmetric cylinders)
    – SSW-KS (short side)
    – SSW-LS (long side)

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DZ Double Cylinder | Options

SEW - seawater resistant model

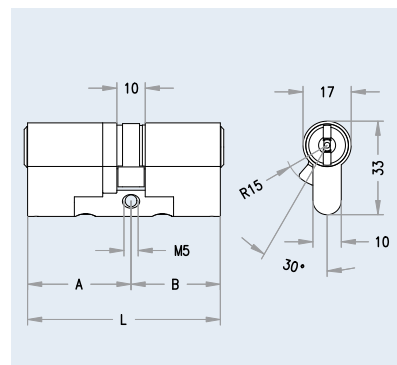For cylinders exposed to more severe environmental influences. Corrosion-susceptible cylinder parts are supplied with a special surface treatment.

Ordering information
▶ DZ cylinder length A/B, [finish]
SEW

VdS-cylinder

VdS-certified cylinder for installation in high-security areas. Increased resistance to visible and non-visible opening techniques. VdS-cylinders are manufactured according to the currently valid VdS-guidelines.
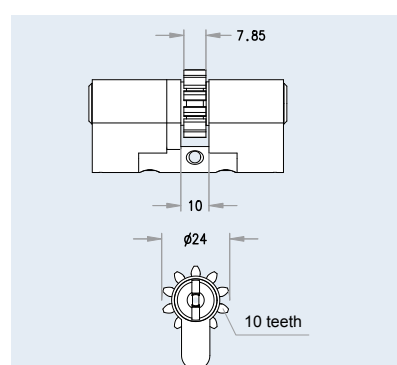
Ordering information
▶ DZ cylinder length A/B, [finish]
VdS

ZR10 cog-wheel cam

(10 teeth)
The cylinder is designed for multi-point locks or special mortise locks that are operated via a gear ring or a toothed rack.

Ordering information
▶ DZ cylinder length A/B, [finish] ZR10

DZ Double Cylinder | Options

ZR18 cog-wheel cam
(18 teeth)
The cylinder is designed for multi-point locks or special mortise locks that are operated via a gear ring or a toothed rack.
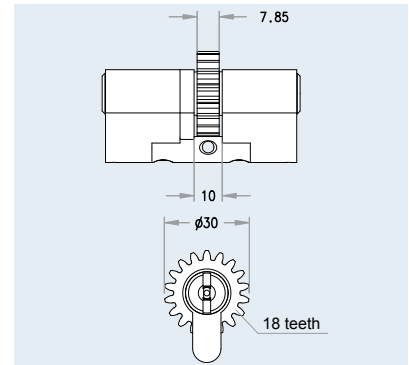

7.85
10
ø30
18 teeth

Ordering information
▶ DZ cylinder length A/B, [finish] ZR18

BIF double cam
The cylinder is designed for manufacturer-specified locks in Biffar doors.

9.5
10
29.8
22°
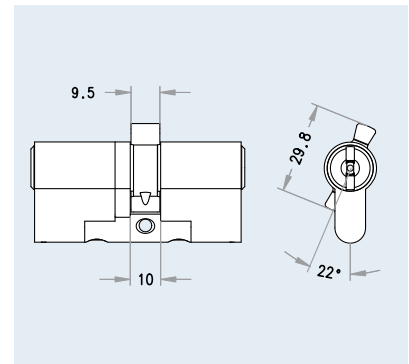
Ordering information
▶ DZ cylinder length A/B, [finish] BIF
▶ Cam position: 22 degrees, from short cylinder side
▶ Please observe the door manufacturer's instructions.
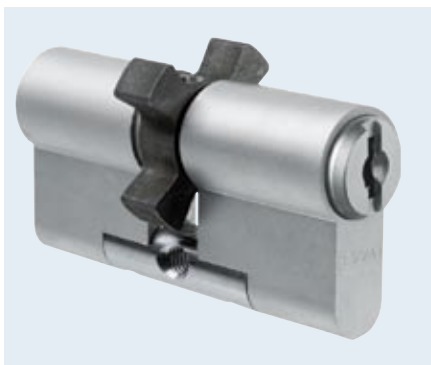
STEN star cam
The cylinder is designed for ABUS bar locks types PR1500 & PR1600.

7.3
10
ø30
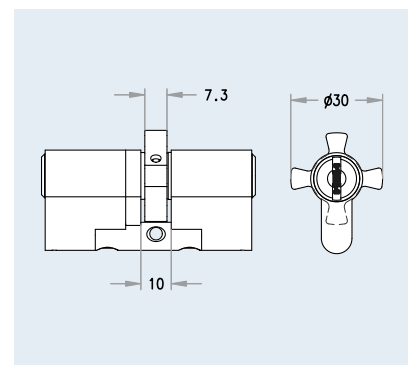
Ordering information
▶ DZ cylinder length A/B, [finish] STEN

Set to expire

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MCS

Magnetic Code System

DZ Double Cylinder | Options

GEFE – emergency key feature
A special emergency key can operate the
cylinder even when an authorised key is
inserted on the opposite side.

Ordering information
▶ DZ cylinder length A/B, [finish] GEFE

Double cylinder with shortened body
Cylinder with shortened body, also for use
in special metal-frame doors with inte-
grated security rose.
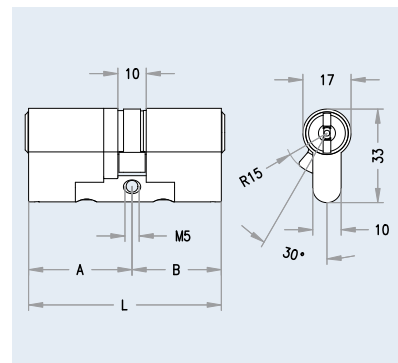
Ordering information
▶ DZ cylinder length A/B, [finish] ZVS-(ES/LS/
  KS)
▶ ZVS-ES (one-sided, with symmetric
  cylinders)
▶ ZVS-LS (long side)
▶ ZVS-KS (short side)
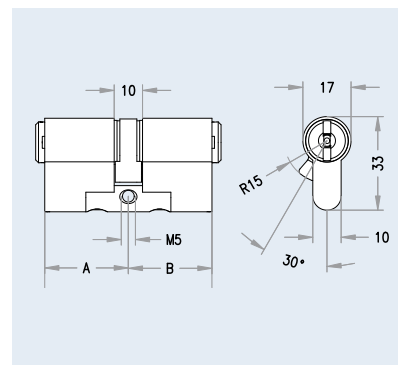
DZ Double Cylinder | Options

PA partner cylinder
The cylinder can only be operated when an authorised key is inserted on the opposite side.
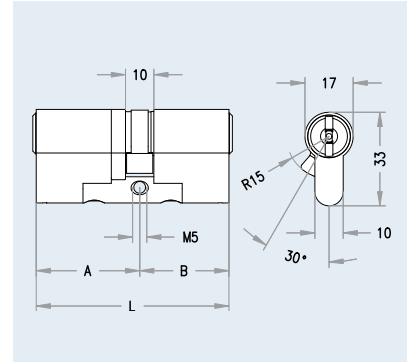
Ordering information
▶ DZ cylinder length A/B, [finish] PA

USH differing locking hierarchy
The cylinder has different A/B hierarchic authorisation levels, e.g. the outside can only be operated by a super-ordinate key while the inside can be operated with any authorised key.
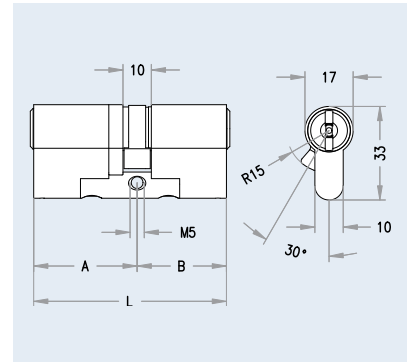
Ordering information
▶ DZ cylinder length A/B, [finish] USH;
▶ Specification of locking authorisations per cylinder side (A/B)

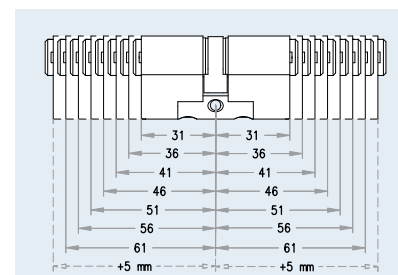**FL2 - double cylinder with free-wheel function**
Cylinder with 360 degree free-wheeling cam when key is not inserted. Coupling engaged when the key tip is inserted.

Ordering information
▶ DZ cylinder length A/B, [finish], FL2

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Magnetic Code System

MCS
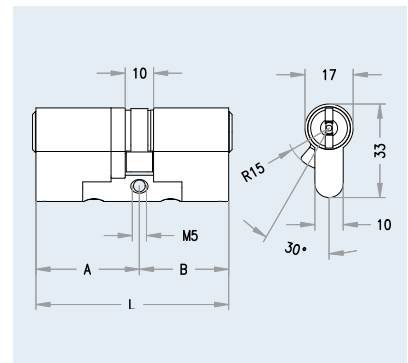
DZ Double Cylinder | Options

Options overview
S = Standard
● Simple combination possible

		BSZ external key override	SSW dust cover	SEW sea water resistant	ARS protection against breaking off	VDS cylinder certified acc to VdS	ZR10 cog wheel cam (10 teeth)	ZR18 cog wheel cam (18 teeth)	BIF Biffar double cam	STEN star cam	ZVS shortened body	PA partner function	USH differing locking hierarchy	FREI free wheel cam	DUP four-eyes principle
external key override	BSZ	-	●	●	-	●	●	●	●	●	●	-	●	-	-
dust cover	SSW	●	-	●	-	●	●	●	●	●	-	●	●	●	-
sea water resistant	SEW	●	●	-	-	●	●	●	●	●	●	●	●	●	-
protection against breaking off	ARS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cylinder certified acc to VdS	VDS	●	●	●	-	-	●	●	●	●	-	-	●	-	-
cog wheel cam (10 teeth)	ZR10	●	●	●	-	●	-	-	-	-	●	●	●	-	-
cog wheel cam (18 teeth)	ZR18	●	●	●	-	●	-	-	-	-	●	●	●	-	-
Biffar double cam	BIF	●	●	●	-	●	-	-	-	-	●	●	●	-	-
star cam	STEN	●	●	●	-	●	-	-	-	-	●	●	●	-	-
shortened body	ZVS	●	-	●	-	-	●	●	●	●	-	●	●	●	-
partner function	PA	-	●	●	-	-	●	●	●	●	●	-	●	-	-
differing locking hierarchy	USH	●	●	●	-	-	●	●	●	●	●	●	-	●	-
free wheel cam	FREI	-	●	●	-	-	-	-	-	-	●	-	●	-	-
four-eyes principle	DUP	-	-	-	-	-	-	-	-	-	-	-	-	-	-

DZ Double Cylinder | Options

Double cylinder, slot on one side
Can be operated with an authorised key on one side and with a flat object on the Flex side.
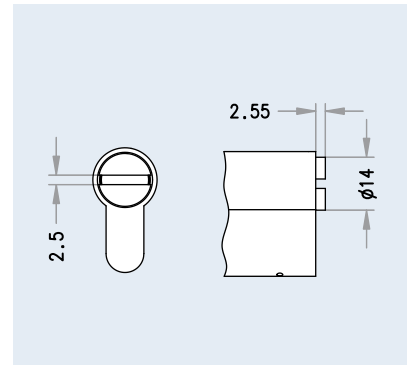Cam rotation is 360 degrees and cam removal position is 30 degrees (from the short side).
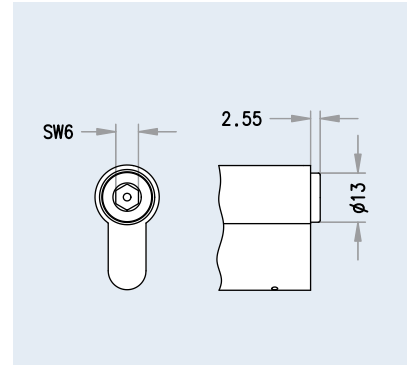
Ordering information
▶ DZ cylinder length A/B, [finish] Flex S (ES/LS/KS)
▶ Flex S-ES (one-sided, with symmetric cylinders)
▶ Flex S-LS (long cylinder side)
▶ Flex S-KS (short cylinder side)

Double cylinder, Allen socket on one side
Can be operated with an authorised key on one side and with a SW6 Allen key on the Flex side.
Cam rotation is 360 degrees and cam removal position is 30 degrees (from the short side).

Ordering information
▶ DZ cylinder length A/B, [finish] (ES/LS/KS) [security, application and convenience options]
▶ Flex I6-ES
▶ Flex I6-LS
▶ Flex I6-KS

Double cylinder, square socket on one side
Can be operated with an authorised key on one side and with an 8mm square socket key on the Flex side.
Cam rotation is 360 degrees and cam removal position is 30 degrees (from the short side).

Ordering information
▶ DZ cylinder length A/B, [finish] (ES/LS/KS) [security, application and convenience options]
▶ Flex 4K-ES
▶ Flex 4K-LS
▶ Flex 4K-KS

Product catalogue, Release 01/11/2010
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DZ Double Cylinder | Options

Double cylinder, 8 mm three-square socket on one side

Can be operated with an authorised key on one side and with an 8 mm three-square key on the Flex side.

Cam rotation is 360 degrees and cam removal position is 30 degrees (from the short side).

Ordering information

▶ DZ cylinder length A/B, [finish] (ES/LS/KS) [security, application and convenience options]
▶ Flex D8-ES
▶ Flex D8-LS
▶ Flex D8-KS

Double cylinder, 11 mm three-square socket on one side

Can be operated with an authorised key on one side and with an 11 mm three-square key on the Flex side.

Cam rotation is 360 degrees and cam removal position is 30 degrees (from the short side).
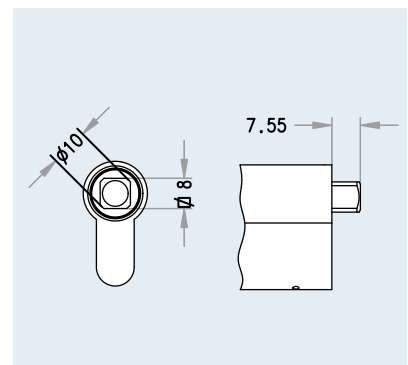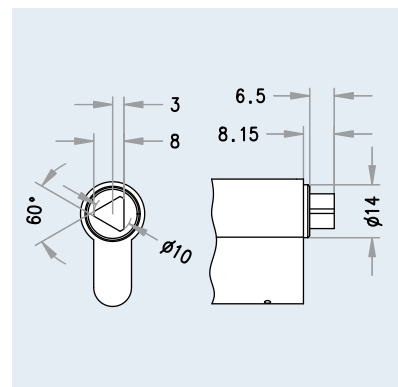
Ordering information

▶ DZ cylinder length A/B, [finish] (ES/LS/KS) [security, application and convenience options]
▶ Flex D11-ES
▶ Flex D11-LS
▶ Flex D11-KS

Double cylinder, 14 mm three-square socket on one side

Can be operated with an authorised key on one side and with a 14 mm three-square key on the Flex side.

Cam rotation is 360 degrees and cam removal position is 30 degrees (from the short side).
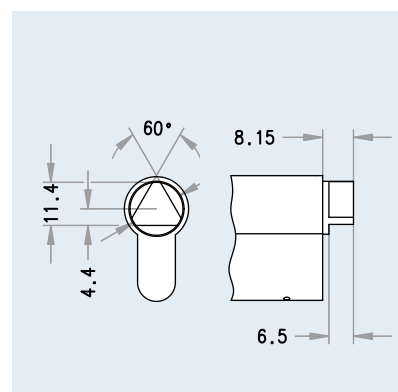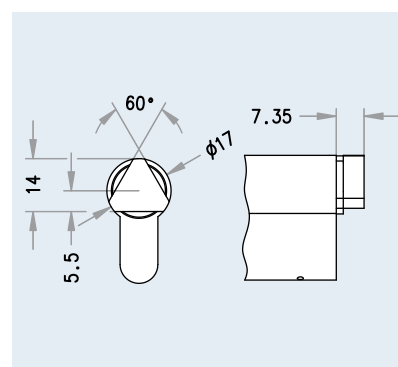
Ordering information

▶ DZ cylinder length A/B, [finish] (ES/LS/KS) [security, application and convenience options]
▶ Flex D14-ES
▶ Flex D14-LS
▶ Flex D14-KS

DZ Double Cylinder | Options

Double cylinder, blind on one side
Can be operated with an authorised key on one side.
Other cylinder side is blind, cannot be operated.
Cam rotation is 360 degrees and cam removal position is 30 degrees (from the short side).
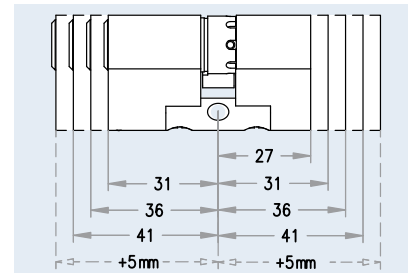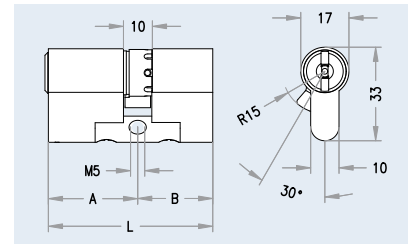
Ordering information
▶ DZ cylinder length A/B, [finish], Flex BL-(ES/LS/KS)
▶ Flex BL-ES (one sided with symmetric cylinders)
▶ Flex BL-LS (long cylinder side)
▶ Flex BL-KS (short cylinder side)

Double cylinder, blind on both sides
Double cylinder is blind on both sides; mortise lock cannot be used.
For doors that must not be locked but where the cylinder hole must be sealed.

Ordering information
▶ DZ cylinder length A/B, [finish], BLIND

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MCS

Magnetic Code System
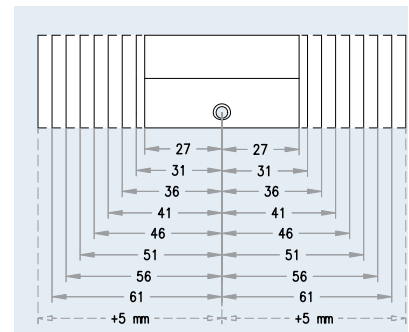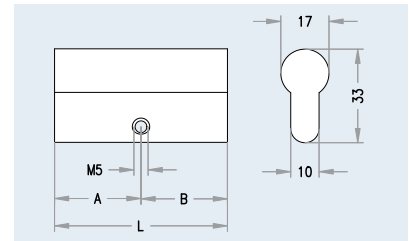
KZ Thumbturn Cylinder

Ordering information
▶ KZ cylinder length A/B (A=outer side; B=inner side (thumbturn side)) [security and usage options]
▶ [finish]/[thumbturn design]
▶ When thumbturn design is not specified: AKN standard thumbturn

■ Applications and usage
▶ For mortise locks in accordance with DIN or ÖNORM
▶ For mortise locks in accordance with European technical standards
▶ For house doors, connecting doors, flat entry doors, security doors, metal frame doors, ...

■ Functional characteristics
▶ Can be locked from the outside with a key
▶ Thumbturn on the inside to lock and unlock the door
▶ Cam rotation: 360 degrees

■ Security features
▶ Hard metal drilling protection in the outside plug and body
▶ Pulling protection through chrome-nickel connecting rod
▶ Vertical key insertion for optimal scanning of locking elements

■ Technical data
▶ Cylinder body base material: brass
▶ Cylinder plug base material: brass
▶ Cam home position: 30 degrees
▶ Cam width: 9.3 mm
▶ Modular cylinder design

■ Scope of supply
▶ Locking cylinder with thumbturn and fixing screw

■ Installation & operation
▶ Easy cylinder installation in a prepared, empty cylinder hole
▶ Cylinder projecting length may not exceed 3 mm for security-relevant doors
▶ If required, inside thumbturn can be removed with a tool and replaced with another EVVA thumbturn
▶ Cylinder fixed through a M5 fastening hole

■ Cylinder lengths

■ Finishes

Finishes	Abbreviations	Cylinder	AKN, KKN, FKN	RKN, MKN	OKN, OKNA	GKN
Polished brass	PB	●	●	●	●	●
Satin nickel	NI	●	●	●	●	●
Polished nickel	PN	O	O	O	O	O
Satin chrome	CR	O	O	O	O	O
Polished chrome	PC	O	O	O	O	O
Black	BL	O	O	O	O	O
Brown	BW	O	O	O	O	O
Satin brass	BR	O	O	O	O	O
PVD	PVD	O	O	O		O
RAL colours	RAL					O
F2 anodized	F2				O	
F3 anodized	F3					O

● Standard
O Surcharge

AKN Standard Thumbturn

■ **Functional characteristics**
  ▶ Removable thumbturn with three grip recesses

■ **Technical data**
  ▶ Base material: brass
  ▶ Finishes: satin nickel plated, satin brushed, polished lacquer

Ordering information
▶ KZ cylinder length A/B [A=outer side; B=inner side (thumbturn side)] [security and usage options]
▶ [finish]/AKN
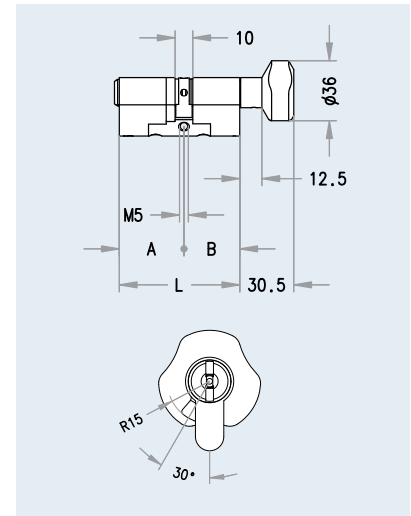
KKN Conical Thumbturn

■ **Functional characteristics**
  ▶ Removable, cone-shaped thumbturn with grip recesses

■ **Technical data**
  ▶ Base material: brass
  ▶ Finishes: satin nickel plated, satin brushed, polished lacquer

Ordering information
▶ KZ cylinder length A/B [A=outer side; B=inner side (thumbturn side)] [security and usage options]
▶ [finish]/KKN
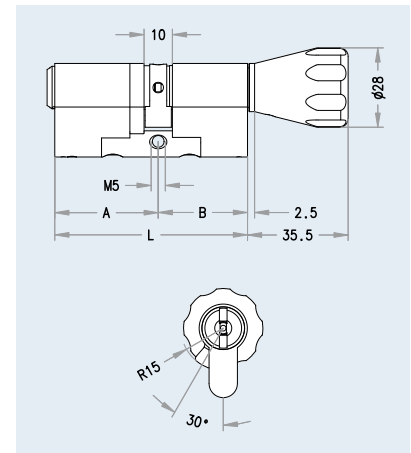
RKN Round Thumbturn

■ **Functional characteristics**
  ▶ Removable, round thumbturn set off to the rear

■ **Technical data**
  ▶ Base material: brass
  ▶ Finishes: satin nickel plated, satin brushed, polished lacquer

Ordering information
▶ KZ cylinder length A/B [A=outer side; B=inner side (thumbturn side)] [security and usage options]
▶ [finish]/RKN

Product catalogue, Release 01/11/2010
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MKN Knurled Metal Thumbturn

■ **Functional characteristics**
  ▶ Removable, knurled thumbturn with medium-sized serrations

■ **Technical data**
  ▶ Base material: brass
  ▶ Finishes: satin nickel plated, satin brushed, polished lacquer

Ordering information
  ▶ KZ cylinder length A/B [A=outer side; B=inner side (thumbturn side)] [security and usage options]
  ▶ [finish]/MKN
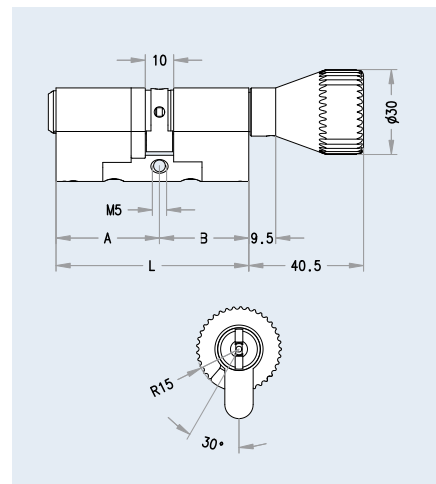
GKN Recessed Grip Thumbturn
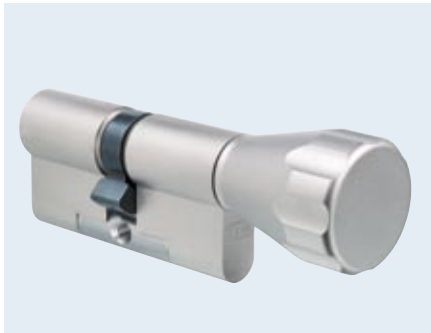
■ **Functional characteristics**
  ▶ Removable, round thumbturn set off to the rear

■ **Technical data**
  ▶ Base material: brass
  ▶ Finishes: satin nickel plated, satin brushed, polished lacquer
  ▶ Or lacquered in RAL colours: blue RAL5002; dark green RAL6012; yellow RAL1004; green RAL6001; grey RAL7038; red RAL3003; black RAL9005; white RAL 9010; other RAL colours on request

Ordering information
  ▶ KZ cylinder length A/B [A=outer side; B=inner side (thumbturn side)] [security and usage options]
  ▶ [finish]/GKN
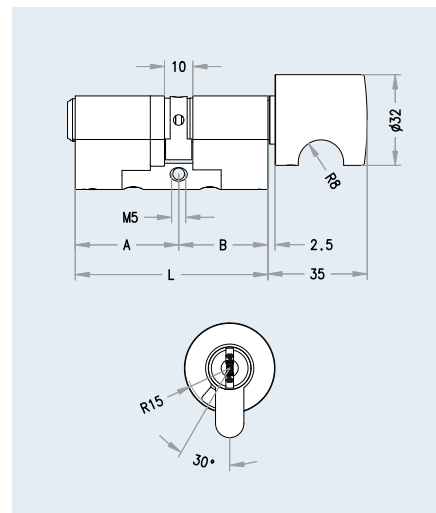
# FKN Flat Thumbturn

■ **Functional characteristics**
  ▶ Stylishly shaped, removable, flat thumbturn with 2 grip recesses
  ▶ Particularly suitable for the elderly and people with disabilities

■ **Technical data**
  ▶ Base material: brass
  ▶ Finishes: satin nickel plated, satin brushed, polished lacquer

Ordering information
  ▶ KZ cylinder length A/B [A=outer side; B=inner side (thumbturn side)] [security and usage options]
  ▶ [finish]/FKN
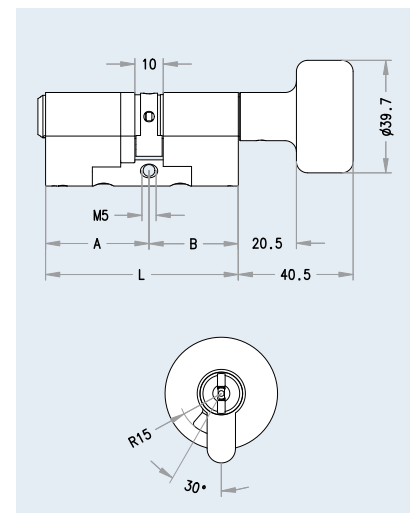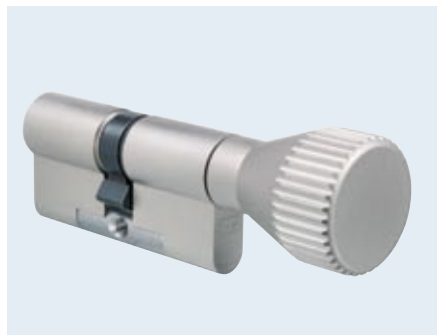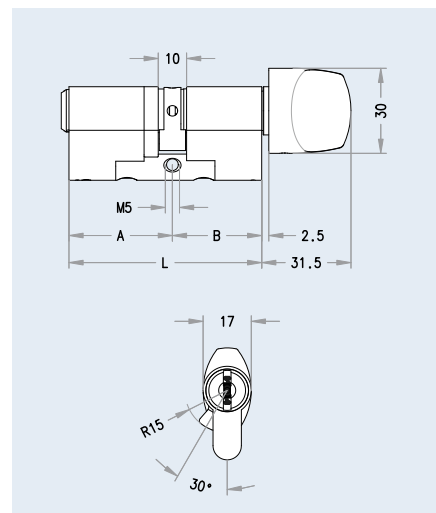
OKN Oval Thumbturn

■ **Functional characteristics**
  ▶ Removable, horizontal, light metal thumbturn with two grip recesses

■ **Technical data**
  ▶ Base material: aluminium
  ▶ Finishes: satin nickel plated, F2 anodized, F3 anodized, polished gold colour

Ordering information
  ▶ KZ cylinder length A/B [A=outer side; B=inner side (thumbturn side)] [security and usage options]
  ▶ [finish]/OKN
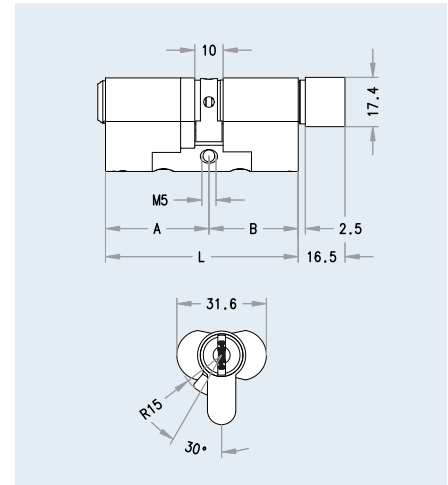
# OKNA Asymmetric Oval Thumbturn
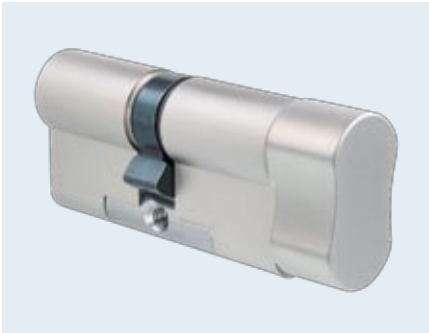
■ **Functional characteristics**
  ▶ Removable, vertical, light metal thumbturn with two grip recesses

■ **Technical data**
  ▶ Base material: aluminium
  ▶ Finishes: satin nickel plated, F2 anodized, F3 anodized, polished gold colour

Ordering information
  ▶ KZ cylinder length A/B [A=outer side; B=inner side (thumbturn side)] [security and usage options]
  ▶ [finish]/OKNA

Product catalogue, Release 01/11/2010
Errors and misprints excepted. Subject to technical change without notice.

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MCS — Magnetic Code System
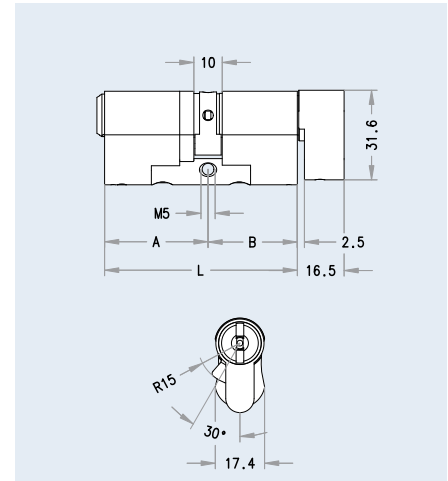
Thumbturn Cylinders | Options

Thumbturn cylinder with SOS function
The key-operated cylinder side is equipped with a priority function. The cylinder can even be operated from the outside when manipulated (e.g. when the thumbturn is being held on the inside).

Further options
See DZ options

Ordering information
▶ cylinder length A/B, SOS (A=outer side; B=inner side (thumbturn side)
▶ [finish]/[thumbturn design]
▶ When thumbturn design is not specified: AKN standard thumbturn

Options overview
S = Standard
● Simple combination possible

		BSZ external key override	SSW dust cover	SEW sea water resistant	ARS protection against breaking off	VDS cylinder certified acc to VdS	ZR10 cog wheel cam (10 teeth)	ZR18 cog wheel cam (18 teeth)	BIF Biffar double cam	STEN star cam	ZVS shortened body	PA partner function	USH differing locking hierarchy	FREI free wheel cam	DUP four-eyes principle
external key override	BSZ	-	-	-	-	-	-	-	-	-	-	-	-	-	-
dust cover	SSW	-	-	●	-	●	●	●	●	●	-	-	-	-	-
sea water resistant	SEW	-	●	-	-	●	●	●	●	●	●	-	-	-	-
protection against breaking off	ARS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cylinder certified acc to VdS	VDS	-	-	●	-	-	●	●	●	●	-	-	-	-	-
cog wheel cam (10 teeth)	ZR10	-	●	●	-	●	-	-	-	-	●	-	-	-	-
cog wheel cam (18 teeth)	ZR18	-	●	●	-	●	-	-	-	-	●	-	-	-	-
Biffar double cam	BIF	-	●	●	-	●	-	-	-	-	●	-	-	-	-
star cam	STEN	-	●	●	-	●	-	-	-	-	●	-	-	-	-
shortened body	ZVS	-	-	●	-	-	●	●	●	●	-	-	-	-	-
partner function	PA	-	-	-	-	-	-	-	-	-	-	-	-	-	-
differing locking hierarchy	USH	-	-	-	-	-	-	-	-	-	-	-	-	-	-
free wheel cam	FREI	-	-	-	-	-	-	-	-	-	-	-	-	-	-
four-eyes principle	DUP	-	-	-	-	-	-	-	-	-	-	-	-	-	-

HZ Half Cylinder

Ordering information
▶ HZ cylinder length A, [finish], [security and usage options]

■ **Applications and usage**
▶ For single-turn or multi-turn mortise locks and other locks with a profile cylinder hole
▶ Key switch
▶ Activating devices
▶ Garage doors and roller shutters fastened at the side

■ **Functional characteristics**
▶ Can be operated with a key on one side
▶ Cam rotation: 360 degrees
▶ Cam removal position: 45 degrees
▶ Cam can be set to 8 positions (45°, 90°,135°, 180°, 225°, 270°, 315°, 360°)

■ **Security features**
▶ Hard metal drilling protection in plug and body
▶ Pulling protection through chrome-nickel connecting rod

■ **Technical data**
▶ Cylinder body base material: brass
▶ Cylinder plug base material: brass
▶ Cam home position: 45 degrees (changeable)
▶ Cam width: 9.3 mm
▶ Modular cylinder design

■ **Scope of supply**
Half cylinder with fixing screw

■ **Installation & operation**
▶ Easy cylinder installation in a prepared, empty cylinder hole
▶ Cylinder should be flush with the escutcheon or rose
▶ Cylinder fixed through a M5 fastening hole

■ **Cylinder lengths**

32
37
42
47
52
57
62
67
72
77
+5 mm

■ **Finishes**

Finishes	Abbreviations	Standard	Surcharge
Polished brass	PB	●	
Satin nickel	NI	●	
Polished nickel	PN		O
Satin chrome	CR		O
Polished chrome	PC		O
Black	BL		O
Brown	BW		O
Satin brass	BR		O
PVD	PVD		O

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Errors and misprints excepted. Subject to technical change without notice.

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HZ/S Half Cylinder

Ordering information
▶ HZ/S cylinder length A, [finish], [security and usage options]

■ **Applications and usage**
▶ Key switch
▶ Activating devices
▶ Garage doors, roller shutters, lifts, escalators where fastening is from rear

■ **Functional characteristics**
▶ Can be operated with a key on one side
▶ Cam rotation: 360 degrees
▶ Cam removal position: 30 degrees
▶ Cam can be set to 8 positions (45°, 90°,135°, 180°, 225°, 270°, 315°, 360°)
▶ Fastened through two M4 threaded holes at the rear
▶ Fastened through one M5 threaded hole at the side

■ **Security features**
▶ Hard metal drilling protection in plug and body
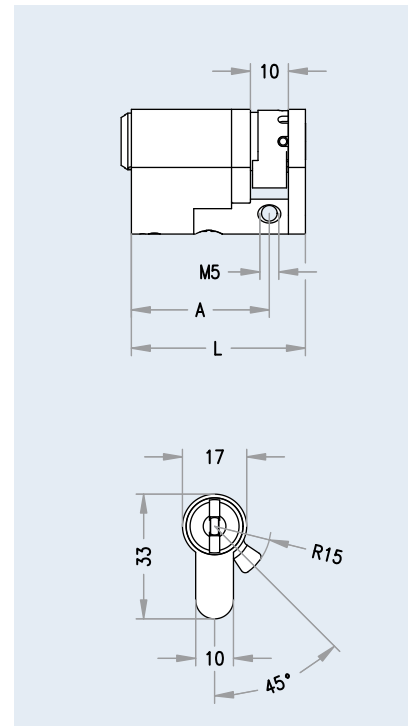▶ Pulling protection through chrome-nickel connecting rod

■ **Technical data**
▶ Cylinder body base material: brass
▶ Cylinder plug base material: brass
▶ Cam home position: 45 degrees (changeable)
▶ Cam width: 9.3 mm
▶ Modular cylinder design
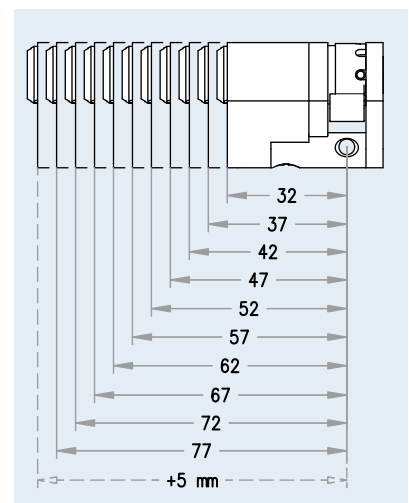
■ **Scope of supply**
▶ Half cylinder with fixing screw

■ **Installation & operation**
▶ Easy cylinder installation in a prepared, empty cylinder hole
▶ Cylinder should be flush with the escutcheon or rose when closed
▶ Cylinder fixed through a M5 fastening hole (at the side)
▶ Cylinder fixed through two rear M4 fastening holes (not included in supply)

■ **Cylinder lengths**
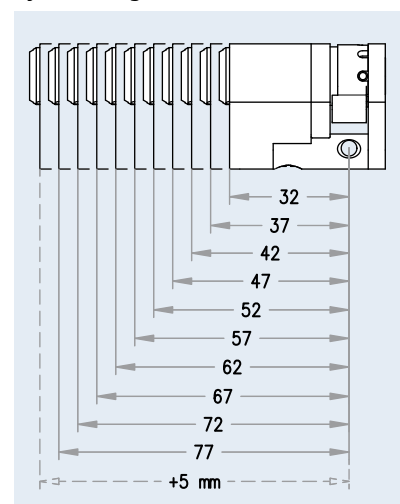
■ **Finishes**

Finishes	Abbreviations	Standard	Surcharge
Polished brass	PB	●	
Satin nickel	NI	●	
Polished nickel	PN		O
Satin chrome	CR		O
Polished chrome	PC		O
Black	BL		O
Brown	BW		O
Satin brass	BR		O
PVD	PVD		O

RDZ Round Double Cylinder

Ordering information

▶ RDZ cylinder length A/B [finish] [security and usage options]

■ **Applications and usage**

▶ For mortise locks designed for round profile cylinders (Swiss profile)
▶ For house doors, connecting doors, apartment doors, security doors, metal frame doors and other doors

■ **Functional characteristics**

▶ Lockable on both sides with key
▶ Cam rotation: 360 degrees
▶ Cam removal position: 22.5 degrees (from the short side)

■ **Security features**

▶ Hard metal drilling protection in plug
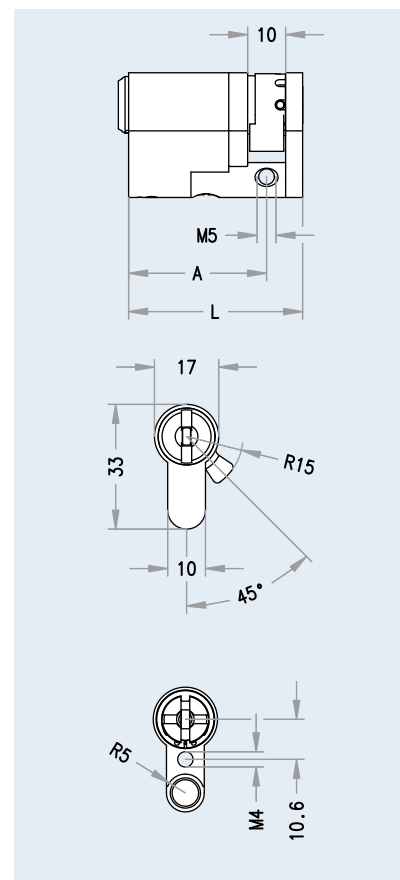▶ Vertical key insertion for optimal scanning of locking elements

■ **Technical data**

▶ Cylinder body base material: brass
▶ Cylinder plug base material: brass
▶ Cam home position: 22.5 degrees
▶ Cam width: 9.3 mm
▶ Compact design

■ **Scope of supply**

Locking cylinder with fixing screw

■ **Installation & operation**

▶ Easy cylinder installation in a prepared, empty cylinder hole
▶ Cylinder projecting length may not exceed 3 mm for security-relevant doors
▶ Cylinder fixed through a M5 fastening hole

■ **Cylinder lengths**

■ **Finishes**

Finishes	Abbreviations	Standard	Surcharge
Polished brass	PB	●	
Satin nickel	NI	●	
Polished nickel	PN		O
Satin chrome	CR		O
Polished chrome	PC		O
Black	BL		O
Brown	BW		O
Satin brass	BR		O
PVD	PVD		O

Product catalogue, Release 01/11/2010
Errors and misprints excepted. Subject to technical change without notice.

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EVVA
access to security

RKZ Round Thumbturn Cylinder

■ Applications and usage
- ▶ For mortise locks designed for round profile cylinders (Swiss profile)
- ▶ For house doors, connecting doors, apartment doors, security doors, metal frame doors and other doors

■ Functional characteristics
- ▶ Can be locked from the outside with a key
- ▶ Thumbturn on the inside to lock and unlock the door
- ▶ Cam rotation: 360 degrees

■ Security features
- ▶ Hard metal drilling protection in the outside plug and body
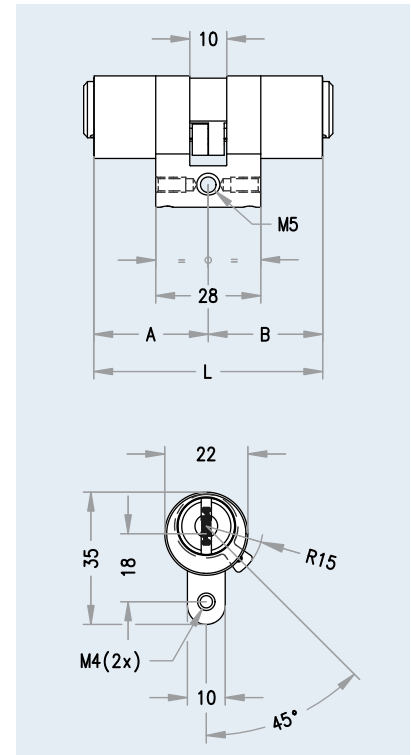- ▶ Vertical key insertion for optimal scanning of locking elements

■ Technical data
- ▶ Cylinder body base material: brass
- ▶ Cylinder plug base material: brass
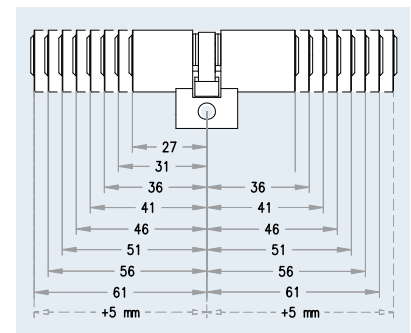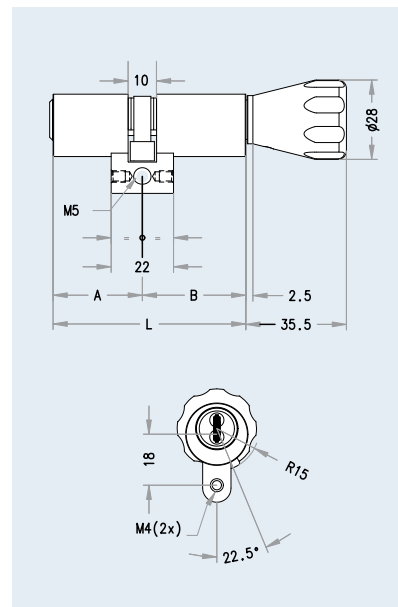- ▶ Cam home position: 22.5 degrees
- ▶ Cam width: 9.3 mm
- ▶ Compact cylinder design

■ Scope of supply
- ▶ Locking cylinder with thumbturn and fixing screw

■ Installation & operation
- ▶ Easy cylinder installation in a prepared, empty cylinder hole
- ▶ Cylinder projecting length may not exceed 3 mm for security-relevant doors
- ▶ If required, inside thumbturn can be removed with a tool and replaced with another EVVA thumbturn
- ▶ Cylinder fixed through a M5 fastening hole

Ordering information
- ▶ RKZ cylinder length A/B (A=outer side; B=inner side (thumbturn side)), [finish], [security and usage options] When thumbturn design is not specified: AKN standard thumbturn

■ Cylinder lengths

■ Finishes

Finishes	Abbreviations	Cylinder	AKN, KKN, FKN	RKN, MKN	OKN, OKNA	GKN
Polished brass	PB	●	●	●	●	●
Satin nickel	NI	●	●	●	●	●
Polished nickel	PN	O	O	O	O	O
Satin chrome	CR	O	O	O	O	O
Polished chrome	PC	O	O	O	O	O
Black	BL	O	O	O	O	O
Brown	BW	O	O	O	O	O
Satin brass	BR	O	O	O	O	O
PVD	PVD	O	O	O		O
RAL colours	RAL					O
F2 anodized	F2				O	
F3 anodized	F3				O	

● Standard
O Surcharge

RHZ Round Half Cylinder

Ordering information
- RHZ cylinder length A
  [finish], [security and usage options]

Applications and usage
- For single-turn or multi-turn mortise locks designed for round profile cylinders (Swiss profile)
- Key switches designed for round profile cylinders
- Activating devices
- Garage doors, roller shutters

Functional characteristics
- Can be operated with a key on one side
- Cam rotation: 360 degrees
- Cam removal position: 45 degrees
- Cam can be set to 8 positions (45°, 90°,135°, 180°, 225°, 270°, 315°, 360°)

Security features
- Hard metal drilling protection in plug

Technical data
- Cylinder body base material: brass
- Cylinder plug base material: brass
- Cam home position: 45 degrees (adjustable to 8 positions)
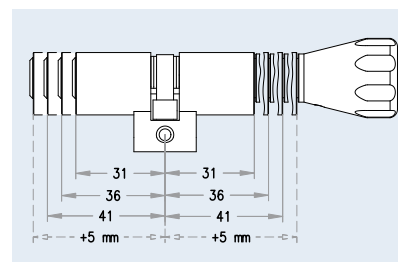- Cam width: 9.3 mm
- Compact cylinder design

Scope of supply
Round half cylinder with fixing screw

Installation & operation
- Easy cylinder installation in a prepared, empty cylinder hole
- Cylinder should be flush with the escutcheon or rose
- Cylinder fixed through a M5 fastening hole

Cylinder lengths

Finishes

Finishes	Abbreviations	Standard	Surcharge
Polished brass	PB	●	
Satin nickel	NI	●	
Polished nickel	PN		O
Satin chrome	CR		O
Polished chrome	PC		O
Black	BL		O
Brown	BW		O
Satin brass	BR		O
PVD	PVD		O

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MCS — Magnetic Code System

HPM Padlock

Ordering information

► HPM (standard: hardened steel shackle)

■ Applications and usage

► Elements and containers secured with a hasp
► Roller shutters
► Barrier systems
► Chain barriers
► Security fences

■ Functional characteristics

► Secures elementary fastening devices
► Padlock with round security shackle
► Operated on lower surface
► Locking rotation: 90 degrees
► Key can only be removed when locked

■ Security features

► Hard metal drilling protection in plug and body
► Positively driven locking of the security shackle

■ Technical data

► Padlock base material: brass, satin nickel plated
► Shackle made of hardened, chemically nickel plated steel or stainless steel
► Shackle diameter: 8 mm
► Standard shackle: clearance height: 30 mm clearance width: 25 mm

■ Installation & operation

► Can be used with any hasp with an opening > 8 mm

HPM BS Padlock

Ordering information

▶ HPM BS (standard: hardened steel shackle)

■ **Applications and usage**

▶ Elements and containers secured with a hasp
▶ Roller shutters
▶ Barrier systems
▶ Chain barriers
▶ Security fences

■ **Functional characteristics**

▶ Secures elementary fastening devices
▶ Padlock with round security shackle
▶ Operated on lower surface
▶ Locking rotation: 90 degrees
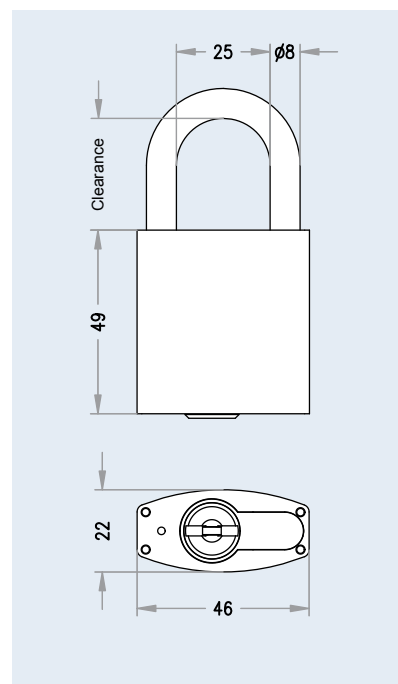▶ Key can only be removed when locked

■ **Security features**

▶ Hard metal drilling protection in plug and body
▶ Positively driven locking of the security shackle
▶ Hardened steel shackle protection

■ **Technical data**

▶ Padlock base material: brass, satin nickel plated
▶ Shackle made of hardened, chemically nickel plated steel
▶ Shackle diameter: 8 mm
▶ Standard shackle: clearance height: 15 mm clearance width: 12 mm

Installation & operation

▶ Can be used with any hasp with an opening > 8 mm

Product catalogue, Release 01/11/2010
Errors and misprints excepted. Subject to technical change without notice.

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HPM SSW Padlock With Dust Cover

Ordering information
- HPM SSW (standard: hardened steel shackle),
- shackle made of stainless steel on request

■ **Applications and usage**
- ▶ Elements and containers secured with a hasp
- ▶ Roller shutters
- ▶ Barrier systems
- ▶ Chain barriers
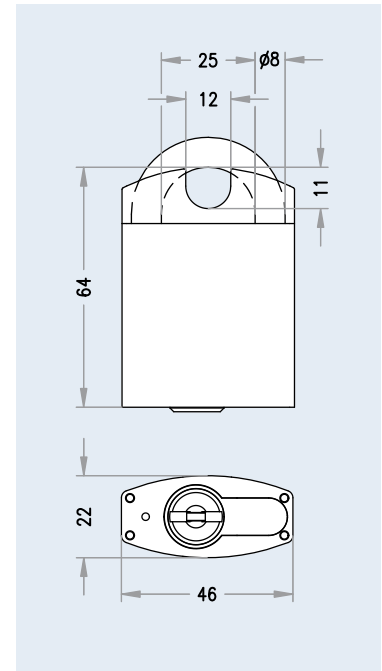- ▶ Security fences

■ **Functional characteristics**
- ▶ Operated on lower surface
- ▶ Locking rotation: 90 degrees
- ▶ Key can only be removed when locked
- ▶ With dust cover

■ **Security features**
- ▶ Hard metal drilling protection in plug and body
- ▶ Positively driven locking of the security shackle

■ **Technical data**
- ▶ Padlock base material: brass, satin nickel plated
- ▶ Shackle made of hardened, chemically nickel plated steel or stainless steel
- ▶ Shackle diameter: 8 mm
- ▶ Standard shackle: clearance height: 30 mm clearance width: 25 mm
- ▶ Dust cover

■ **Installation & operation**
- ▶ Can be used with any hasp with an opening > 8 mm

HPM Padlock With Extra Long Shackle

Ordering information
▶ HPM Shackle LH xx (shackle in LH design always made of stainless steel)

■ **Applications and usage**
▶ To secure vertically positioned hasps or fasteners
▶ Roller shutters
▶ Chain barriers
▶ Security fences

■ **Functional characteristics**
▶ Secures elementary fastening devices
▶ Padlock with round security shackle
▶ Operated on lower surface
▶ Locking rotation: 90 degrees
▶ Key can only be removed when locked
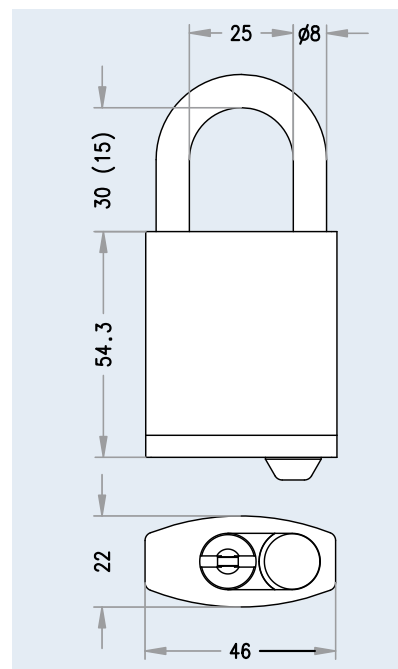
■ **Security features**
▶ Hard metal drilling protection in plug and body
▶ Positively driven locking of the security shackle

■ **Technical data**
▶ Padlock base material: brass, satin nickel plated
▶ Shackle made of hardened, chemically nickel plated steel or stainless steel
▶ Shackle diameter: 8 mm

■ **Installation & operation**
▶ Can be used with any hasp with an opening > 8 mm

Clearance height: 40, 50, 60, 70, 80, 90, 100, 120, 150, 180, 200

25　ø8　49　22　46　Clearance

Product catalogue, Release 01/11/2010
Errors and misprints excepted. Subject to technical change without notice.

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Magnetic Code System

MCS
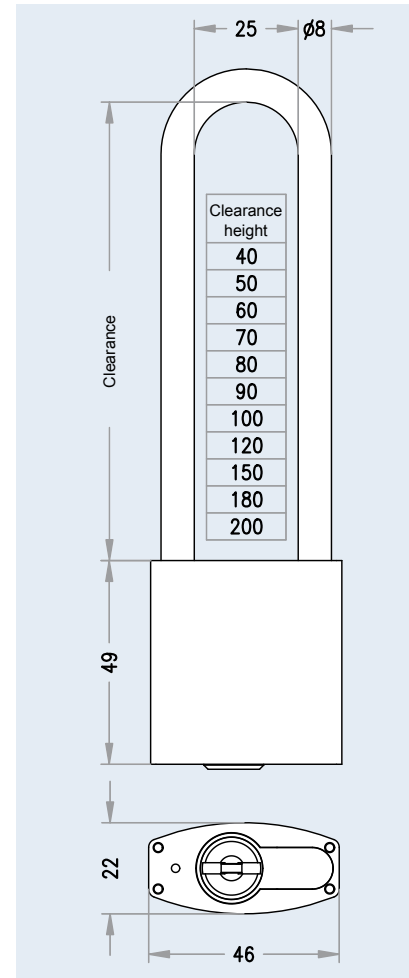
MB23 G Cam Lock

Ordering information

▶ MB23 [finish], [cam]; if the standard cam is used, no further information is necessary

■ Applications and usage

▶ Wooden and sheet metal boxes
▶ Mailboxes with medium cylinder hole
▶ Showcase locks
▶ Emergency key boxes
▶ Key cabinets
▶ Wardrobes/lockers
▶ Cabinets

■ Functional characteristics

▶ Locking by cam
▶ Locking rotation: 90 degrees
▶ Key can only be removed in closed position
▶ Flat side finishes prevent rotation
▶ Cylinder fixed at rear with a hex nut (AF 27)
▶ Standard cam: 33.5 mm

■ Security features

▶ Flat finishes on both cylinder sides prevent rotation

■ Technical data
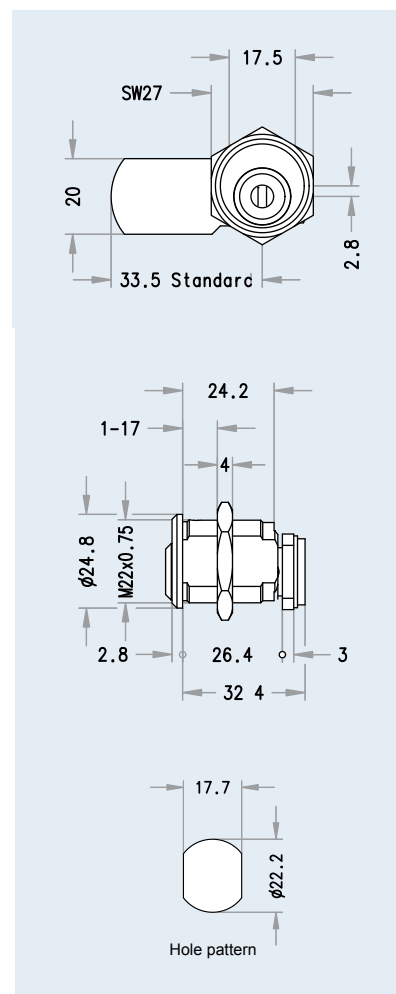
▶ Cylinder front face Ø 24.8 mm
▶ With M22 threads for AF 27 fastening nut
▶ Base material: brass
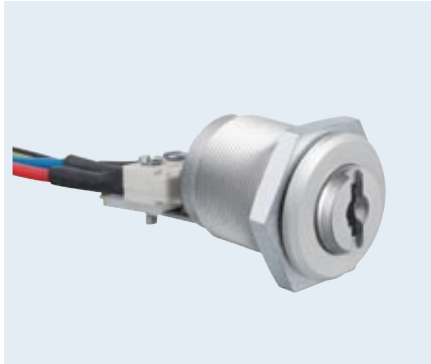▶ Steel cam, blue galvanised

■ Scope of supply

▶ Locking cylinder with standard cam 5072, 33.5 mm
▶ M22 fastening nut

■ Installation & operation

▶ For material thicknesses up to 17 mm
▶ Cylinder hole Ø 23, flattened to 17.7 mm
▶ Cam secured by two rear screws

Hole pattern

MB23SZ Switch Cylinder

Applications and usage
- As switch cylinder with integrated switch element
- For direct activation of circuits
- Pulse switch

Functional characteristics
- Locking rotation: 90 degrees
- On/off switch function
- Key can only be removed in one position

Technical data
- Cylinder front face Ø 24.8 mm
- M23 threads for WS27 fastening nut
- Base material: brass
- F4 T7 Switch element
- With earth connection

Scope of supply
- Locking cylinder with switch elements and connecting cable
- AF 27 fastening nut

Installation & operation
- For material thicknesses up to 14 mm
- Cylinder hole Ø 23, flattened on one side to 17.7 mm
- Electrical connection must be performed by a professional

Ordering information
- MB23SZ [finish]

Yellow/Green 4
Black
Blue 2
Red 1

SW27
Black Blue Red
Yellow + Green

Product catalogue, Release 01/11/2010
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MCS Magnetic Code System
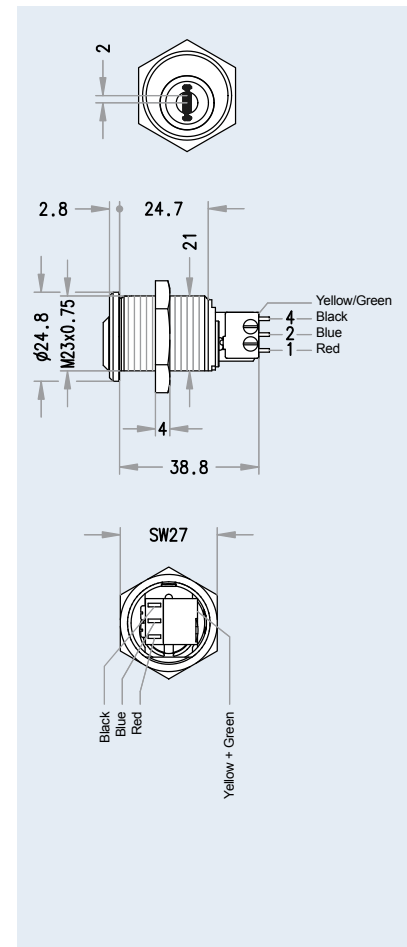
MB23GT Cam Lock For Glass Doors

Ordering information

▶ MB23 [finish], [cam], [fastening plate]; if the standard cam is used, no further information is necessary

Applications and usage

▶ Glass showcase locks
▶ Glass door cupboards

Functional characteristics

▶ Locking by cam
▶ Locking rotation: 90 degrees
▶ Key can only be removed in closed position
▶ Flat side finishes prevent rotation
▶ Cylinder fixed at rear with a hex nut (AF 27)
▶ Standard cam: 33.5 mm
▶ Bevelled fastening plate

Security features

▶ Flat finishes on both cylinder sides prevent rotation

Technical data

▶ Cylinder front face Ø 24.8 mm
▶ M22 threads for AF 27 fastening nut
▶ Base material: brass
▶ Steel cam, blue galvanised
▶ Brushed aluminium fastening plate

Scope of supply

▶ Locking cylinder with standard cam 5072, 33.5 mm
▶ M22 fastening nut
▶ Fastening plate
▶ Plastic disc

Installation & operation

▶ For material thicknesses up to 17 mm
▶ Cylinder hole Ø 23, flattened to 17.7 mm
▶ Cam secured by two rear screws
▶ Plastic disc to protect glass
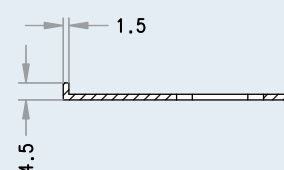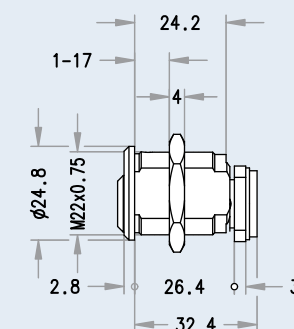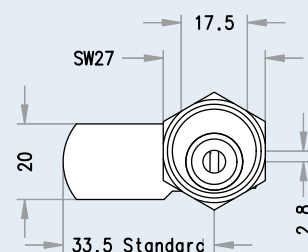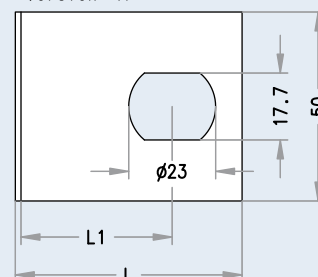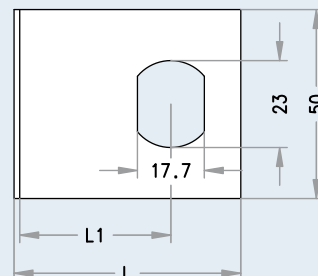
	A1	B1	A2	B2	A3	B3	A4	B4	A5	B5	A6	B6
L	50	50	50	50	55	55	60	60	65	65	70	70
L1	25	25	30	30	35	35	40	40	45	45	50	50

MB30 Cam Lock

Ordering information

▶ MB30 [finish], [cam]; if the standard cam is used, no further information is necessary

Applications and usage

▶ Wooden and sheet metal boxes
▶ Showcase locks
▶ Emergency key boxes with interlocking device
▶ Key safes
▶ Key cabinets
▶ Wardrobes/lockers
▶ Cabinets
▶ Fuse and junction boxes

Functional characteristics

▶ Locking by cam
▶ Locking rotation: 90 degrees
▶ Key can only be removed in closed position
▶ Flat side finishes prevent rotation
▶ Cylinder fixed at rear with hex nut (AF 36)
▶ Standard cam: 33.5 mm

Technical data

▶ Cylinder front face Ø 30 mm
▶ M30 threads for AF 36 fastening nut
▶ Base material: brass
▶ Steel cam, blue galvanised

Scope of supply

▶ Locking cylinder with standard cam 5072, 33.5 mm
▶ M30 fastening nut

Installation & operation

▶ For material thicknesses between 1 and 20 mm
▶ Cylinder hole Ø 30, flattened to 22 mm
▶ Cam secured by two rear screws

22
SW36
20
6
33.5 Standard

1−20
4
Ø34
M30x1.5
3
26.2
3
32.2

22.2
Ø30.2
Hole pattern

Product catalogue, Release 01/11/2010
Errors and misprints excepted. Subject to technical change without notice.

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ZB27 Cam Lock

Ordering information

▸ ZB27 [finish], [cam]; if the standard cam is used, no further information is necessary

■ Applications and usage

▸ Wooden and sheet metal boxes
▸ Mailboxes with large cylinder hole
▸ Mailbox systems with large cylinder hole
▸ Electric junction boxes
▸ Fuse boxes

■ Functional characteristics

▸ Locking by cam
▸ Cam rotation: 90 degrees
▸ Key can only be removed in closed position
▸ Cylinder fixed by rear clamp plate
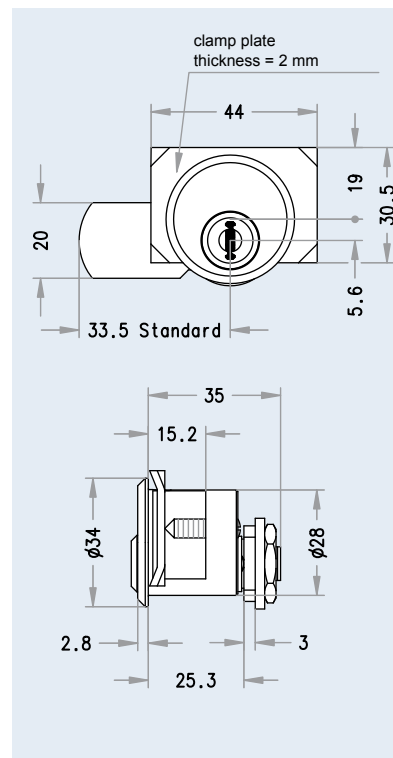▸ Standard cam 5072, 33.5 mm

■ Technical data

▸ Cylinder front face Ø 34 mm without rose, 50 mm with rose
▸ Base material: brass
▸ Steel cam, blue galvanised

■ Scope of supply

▸ Locking cylinder with standard cam 5072, 33.5 mm, without rose

■ Installation & operation

▸ For material thicknesses between 1 and 8.5 mm (without rose)

clamp plate thickness = 2 mm

44
19
30.5
20
5.6
33.5 Standard

35
15.2
Ø34
Ø28
2.8
3
25.3

ZB27K Cam Lock

Ordering information

▶ ZB27K [finish], [cam]; if the standard cam is used, no further information is necessary

Applications and usage

▶ Wooden and sheet metal boxes
▶ Electric junction boxes in outdoor areas
▶ Fuse boxes in outdoor areas

Functional characteristics

▶ Locking by cam
▶ Locking rotation: 90 degrees
▶ Key can only be removed in closed position
▶ Cylinder fixed by rear clamp plate
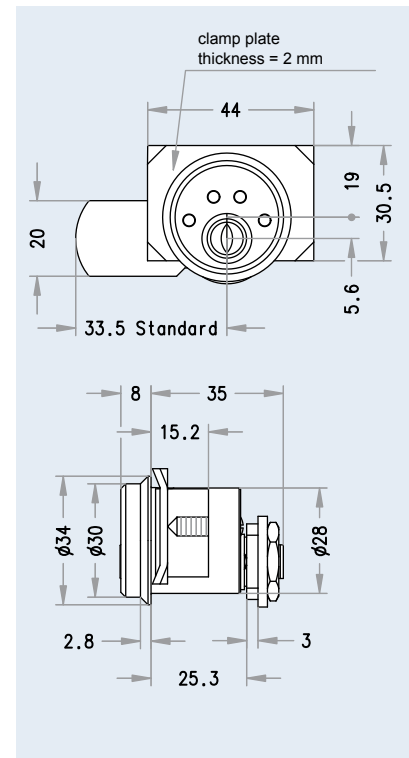▶ Standard cam 5072, 33.5 mm
▶ With dust cover

Technical data

▶ Cylinder front face Ø 34 mm without rose, 50 mm with rose
▶ Base material: brass
▶ Steel cam, blue galvanised

Scope of supply

▶ Lock cam with standard cam 5072, 33.5 mm; dust cover, without rose

Installation & operation

▶ For material thicknesses between 1 and 8.5 mm (without rose)
▶ Cam secured by two rear screws

Product catalogue, Release 01/11/2010
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HMB Euro Profile Cam Lock

Ordering information

▸ HMB, right/left specification necessary [finish], [cam]; if the standard cam is used, no further information is necessary

■ **Applications and usage**
  ▸ Wooden cupboards
  ▸ Showcase locks

■ **Functional characteristics**
  ▸ Locking by cam
  ▸ Locking rotation: 90 degrees
  ▸ Key can only be removed in closed position
  ▸ Cylinder fixed by rear fastening plate with end-stop
  ▸ Standard cam, 37.5 mm, heavy-duty design

■ **Security features**
  ▸ Hard metal elements to prevent drilling into plug

■ **Technical data**
  ▸ Base material: brass
  ▸ Heavy-duty cam
  ▸ Steel cam and fastening plate, blue galvanised

■ **Scope of supply**
  ▸ Locking cylinder with standard cam, 37.5 mm, heavy-duty design
  ▸ With fastening plate
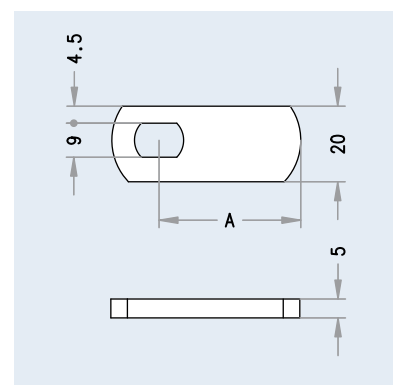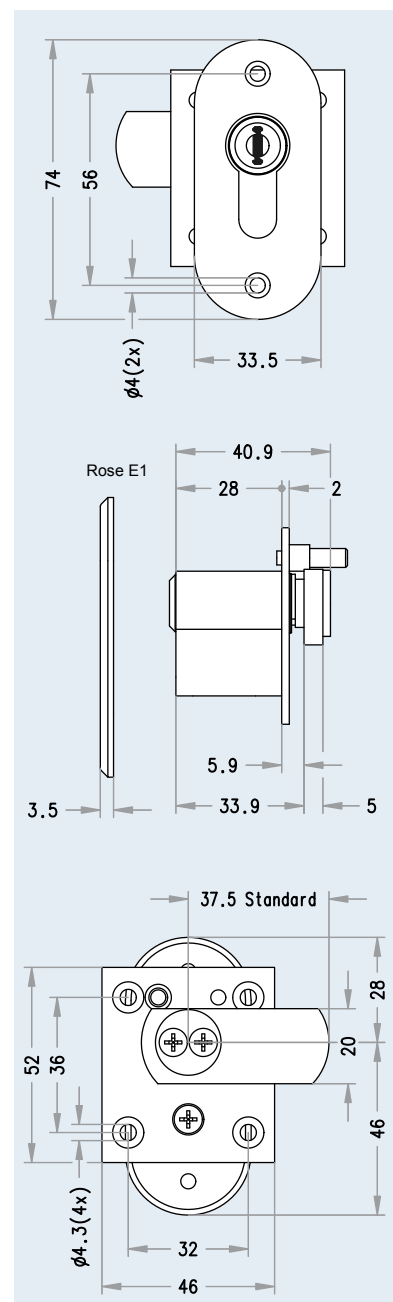 ▸ Without rose

■ **Installation & operation**
  ▸ For material thicknesses up to 28 mm
  ▸ Euro profile cylinder hole
  ▸ Cam secured by two rear screws
  ▸ Cylinder fixed by four screws

Rose E1

■ **Applications and usage**
  ▸ For HMB cam lock

■ **Technical data**
  ▸ Standard design A=37.5mm
  ▸ Special lengths: A= 45, 50, 60, 70, 80mm

Cam in HMB cam lock

36

Product catalogue, Release 01/11/2010
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MRT25 / MRL25 Furniture Cylinder

Ordering information
▶ MRT25/31, [finish],
  [lock case type]
▶ MRT25/36, [finish],
  [lock case type]
▶ MRL25/31, [finish]
▶ MRL25/36, [finish]

■ **Applications and usage**
▶ With Universal 4000 screw-on bolt lock
  for single locking
▶ For cabinet doors
▶ For cupboard doors
▶ With Universal 4540 espagnolette lock for
  multiple locking
▶ For cabinet doors with wide height clearance
▶ For cupboard doors with wide height
  clearance

■ **Functional characteristics**
▶ Locking rotation: 360 degrees
▶ Rear fixing screws for attachment to
  Universal 4000 screw-on bolt lock
  (configured for door design)
▶ ZVS Universal 4000 screw-on central lock
▶ Universal 4540 espagnolette lock
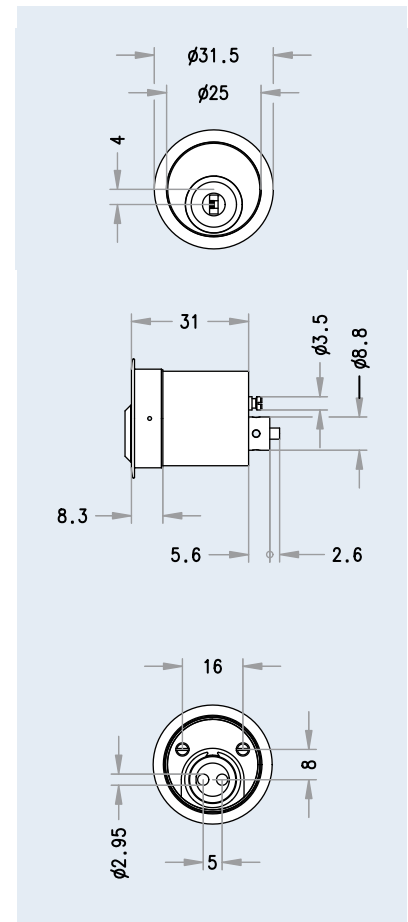
■ **Technical data**
▶ Cylinder front face Ø 25 mm without
  rose
▶ Standard cylinder length: 31 mm
▶ Base material: brass

■ **Scope of supply**
▶ MRT25 round furniture cylinder with
  rose, designed for Universal 4000 lock
  cases (door design),
  Universal 4540

■ **Installation & operation**
▶ Universal clamp fixation to lock cases
▶ Easily retrofitted to lock cases

MR25/31 ESP MR25/36 ESP Furniture Cylinder

Ordering information
▶ MRT25/31 ESP, [finish],
  [lock case type]
▶ MRT25/36 ESP, [finish],
  [lock case type]
▶ MRL25/31 ESP, [finish]
▶ MRL25/36 ESP, [finish]

■ **Applications and usage**
▶ Screw-on cylinder for Universal 4525
  espagnolette lock
▶ Screw-on furniture cylinder for Universal
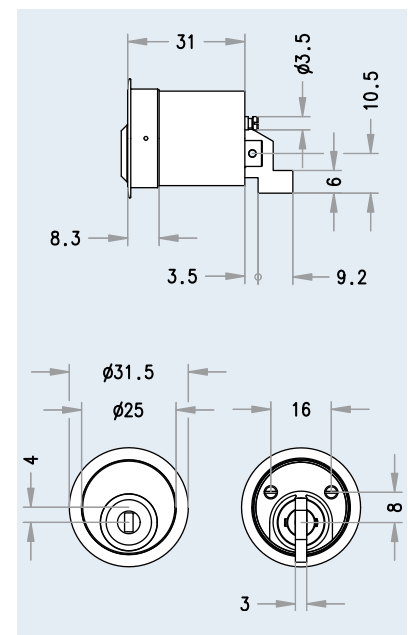 4525 lock case

■ **Technical data**
▶ Cylinder front face Ø 25 mm without
  rose
▶ Standard cylinder length: 31 mm
▶ Base material: brass

■ **Scope of supply**
▶ MRT25 round furniture cylinder with
  rose, designed for Universal 4525 lock
  cases

■ **Installation & operation**
▶ Universal clamp fixation to lock cases
▶ Easily retrofitted to lock cases

Product catalogue, Release 01/11/2010
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ZVZ25 Central Lock Cylinder

■ **Applications and usage**
- ▶ To lock drawers
  (12 mm stroke)

■ **Functional characteristics**
- ▶ Bolt rotation: 180 degrees
- ▶ Locking rotation: 360 degrees
- ▶ Key can be removed in open and closed position
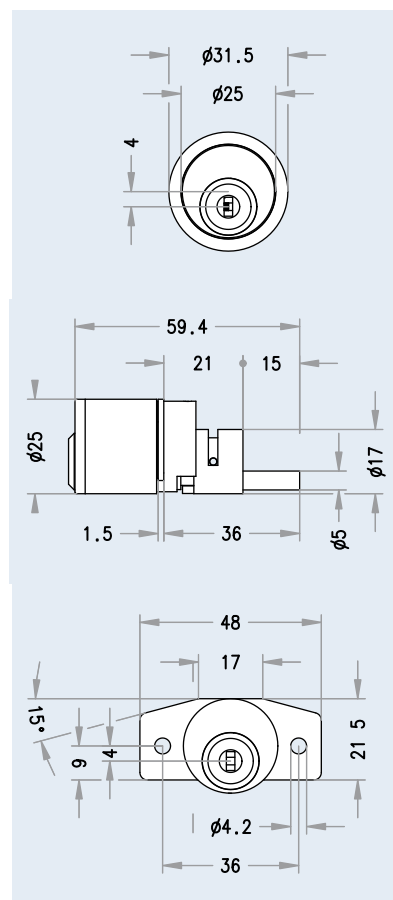- ▶ Cylinder fixed by rear mounting plate

■ **Technical data**
- ▶ Cylinder front face Ø 25 mm without rose
- ▶ Base material: brass

■ **Scope of supply**
- ▶ Central lock cylinder with rose

■ **Installation & operation**
- ▶ For material thicknesses up to 21.9 mm
- ▶ Fixed at rear with mounting plate
- ▶ Cylinder can be used right/left

Ordering information
- ▶ ZVZ25 [cylinder length], [finish]

DRZ28 Push-in Cylinder

Ordering information
- DRZ28, [finish]

Applications and usage
- To lock sliding doors

Functional characteristics
- Bolt stroke: 12 mm
- Locked without key
- Unlocked with key
- Cylinder fixed with integrated mounting plate
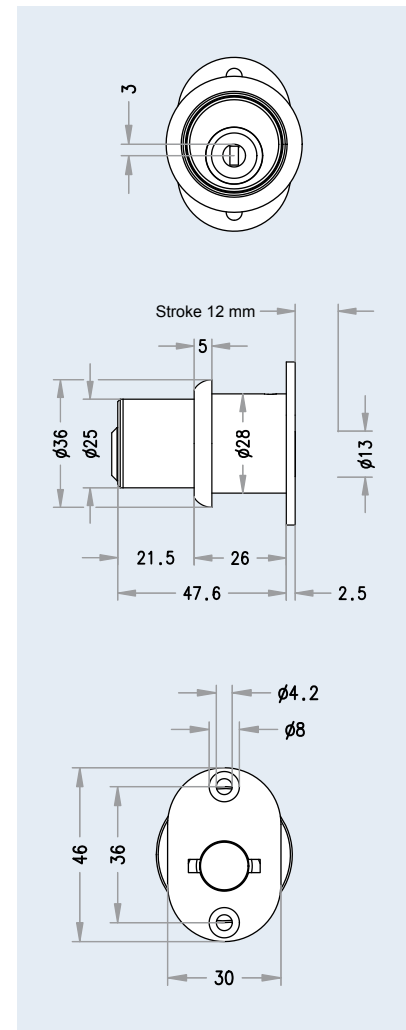- Locked by pressing on the cylinder

Technical data
- Cylinder front face Ø 25 mm without rose
- Cylinder length: 28.5 mm
- Base material: brass

Scope of supply
- Push-in cylinder with rose

Installation & operation
- Fixed at rear, integrated mounting plate

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MCS

Magnetic Code System

Universal 4000 Screw-on Furniture Lock

Ordering information
- Universal 4000

Applications and usage

Screw-on furniture lock for:
- Furniture doors
- Cabinet doors
- Shutters

Functional characteristics
- Preset backset for doors: 25, 30 and 35 mm
- Preset backset for shutters: 20, 25 and 30 mm
- Can be used on both left and right on shutters and doors

Security features
- Solid lock case design
- Double bolt stroke (5 mm and 10 mm)

Technical data
- Compact installation dimensions: 52 x 54 mm
- Fixed to door or shutter with three screws
- Adjustable backset
- Lock case and bolt made of nickel-plated iron

Scope of supply
- Lock Case Universal 4000, without fastening material, without locking plate

Installation & operation
- Universal clamp fastening attached onto the lock case with side screws
- Easily retrofitted to lock cases, even if lock cases have already been installed

Shutter

Diagram for left-hand doors
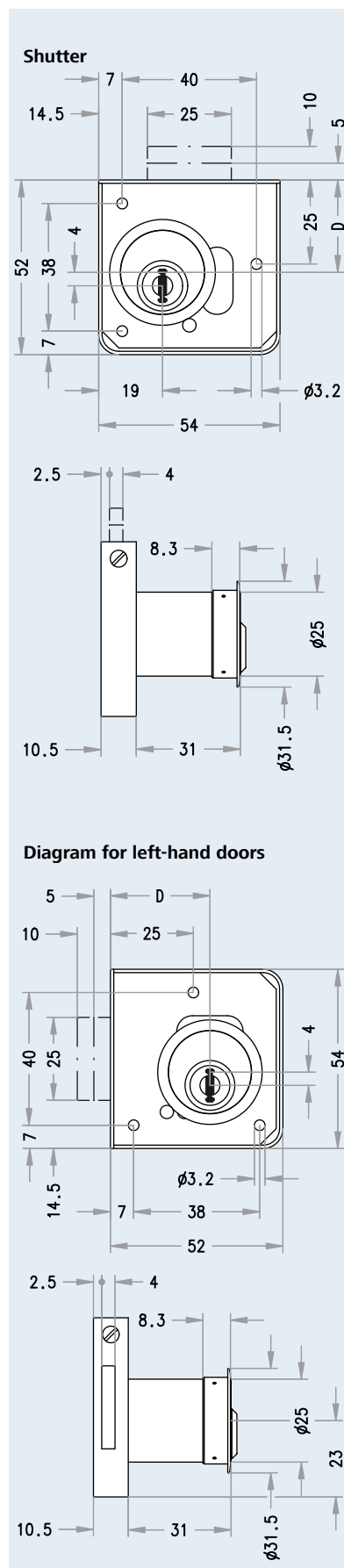
Universal 4540 Espagnolette Lock For Furniture

Ordering information
▶ Universal 4540 with MRT/MRL 25

■ **Applications and usage**
Espagnolette lock for furniture such as
▶ Tall furniture doors and
▶ Tall cupboard doors
which require more than just locking due to their structure

■ **Functional characteristics**
▶ Backset: 40 mm (D)
▶ Designed for full-length, 8 mm espagnolette
▶ Single rotation

■ **Security features**
▶ Solid lock case design
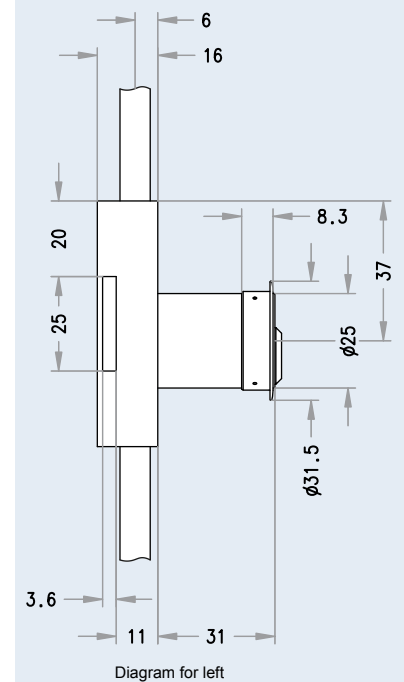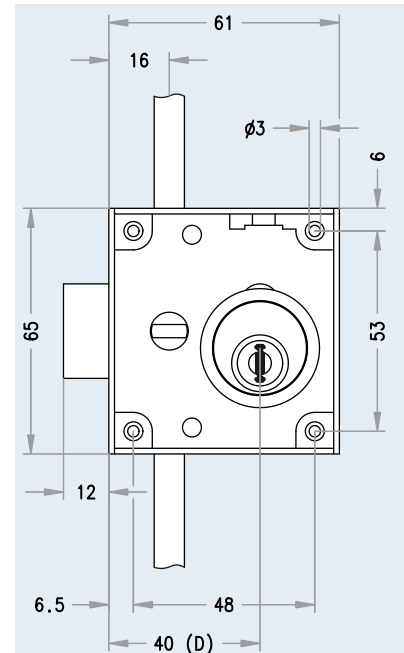▶ Single rotation, 12 mm bolt stroke

■ **Technical data**
▶ Compact installation dimensions:
   61 x 65 mm
▶ Fixed with four screws
▶ Nickel-plated lock case and bolt
▶ Designed for 8 mm rotary bars,
   flattened to 7 mm

■ **Scope of supply**
▶ Universal 4540 lock case
▶ Accessories:
▶ 2 hook bolts
▶ 1 angled strike plate
▶ 2 joint bolts
▶ Rod guide

■ **Installation & operation**
▶ Universal clamp fastening attached onto the lock case with side screws
▶ Easily retrofitted to lock cases, even if lock cases have already been installed

Diagram for left

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MCS · Magnetic Code System

MAR Cabinet Bolt Lock

Ordering information
▶ MAR with MR25

■ **Applications and usage**
Cabinet bolt lock for simple locking of:
▶ Shutters
▶ Cabinet doors
▶ Cupboards

■ **Functional characteristics**
▶ Single rotation
▶ Designs: right/left and for shutters
▶ 10 mm bolt stroke

■ **Security features**
▶ Solid lock case design
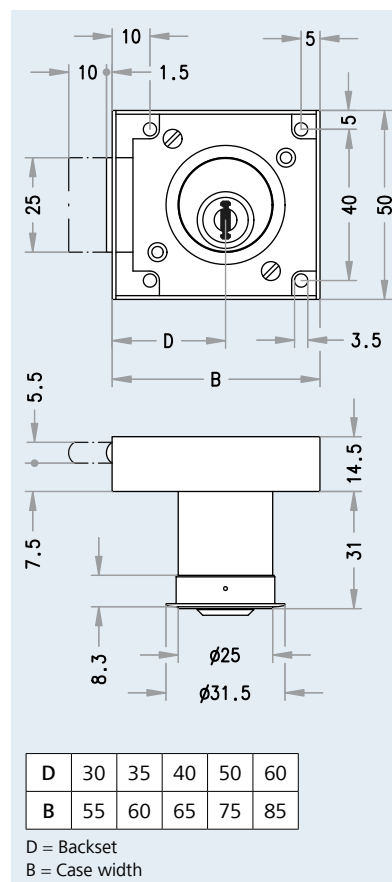▶ Single rotation, 10 mm bolt stroke

■ **Technical data**
▶ Lock case: bronzed

■ **Scope of supply**
▶ Lock case without accessories, without fastening material

■ **Installation & operation**
▶ Easy installation with four screws

D	30	35	40	50	60
B	55	60	65	75	85

D = Backset
B = Case width

MER Cabinet Bolt Lock

Ordering information
▸ MER left/right and for shutter [backset]

Applications and usage
Cabinet bolt lock for simple locking of:
▸ Shutters
▸ Cabinet doors
▸ Cupboards

Functional characteristics
▸ For flush mount in cabinet doors/ shutters
▸ Single rotation
▸ Designs: right/left and for shutters
▸ 11 mm bolt stroke

Security features
▸ Solid lock case design
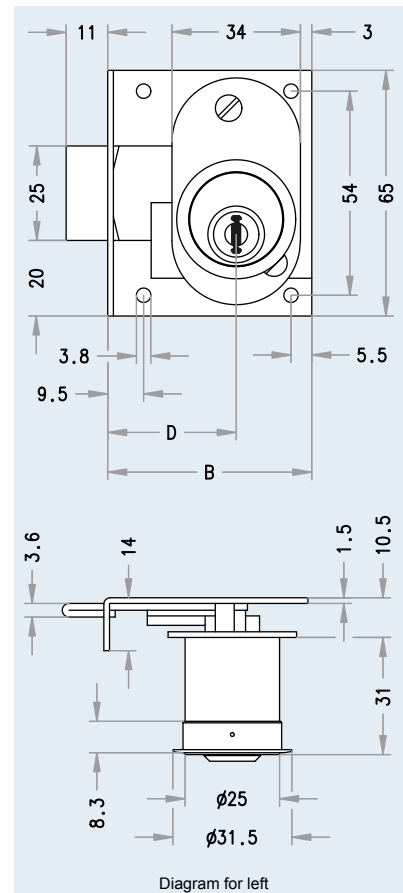▸ Single-rotation, 11 mm bolt stroke

Technical data
▸ Lock case of galvanized steel

Scope of supply
▸ Lock case without accessories, without fastening material

Installation & operation
▸ For installation into pre-milled lock recess

Diagram for left

D	B
29	49
34	54
39	59
49	69
59	79

D = Backset
B = Case width

Product catalogue, Release 01/11/2010
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MCS

Magnetic Code System

AZ Rim Cylinder

Ordering information
▸ AZ [finish]

■ **Applications and usage**
  ▸ Designed for EVVA series K900 and
    K9000 security rim locks

■ **Functional characteristics**
  ▸ Locking rotation: 360 degrees
  ▸ Tail bar can be shortened at 5 mm
    spaced nicks

■ **Security features**
  ▸ Hard metal drilling protection in plug and
    body
  ▸ Steel balls provide drilling protection for
    the cylinder fixing screws
  ▸ Vertical key insertion for optimal scanning
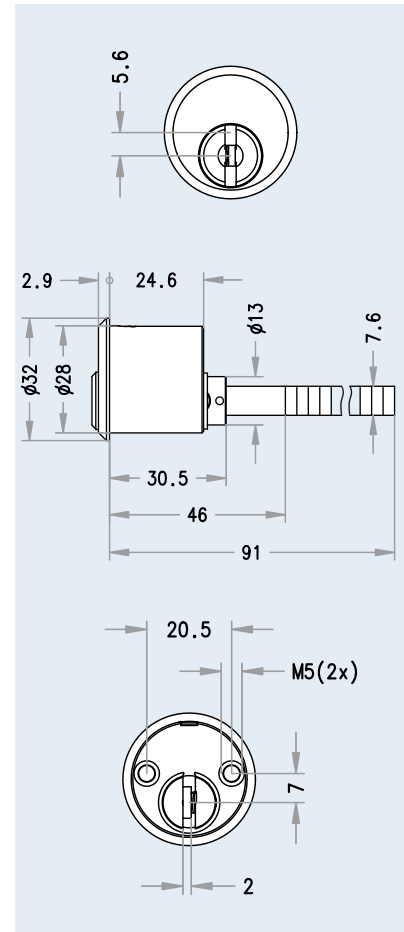   of locking elements

■ **Technical data**
  ▸ Cylinder body base material: brass
  ▸ Cylinder plug base material: brass
  ▸ Tail bar for door thicknesses up to 50
    mm
  ▸ Cylinder Ø 34 mm
  ▸ Rose Ø 50 mm

■ **Scope of supply**
  ▸ Round cylinder with standard rose and
  ▸ Two M5 x 40 fixing screws

■ **Installation & operation**
  ▸ Easy cylinder installation in prepared
    round hole
  ▸ Cylinder fixed through two M5 fastening
    holes
  ▸ Cylinder screws with pointed tips to
    make installation easier

44
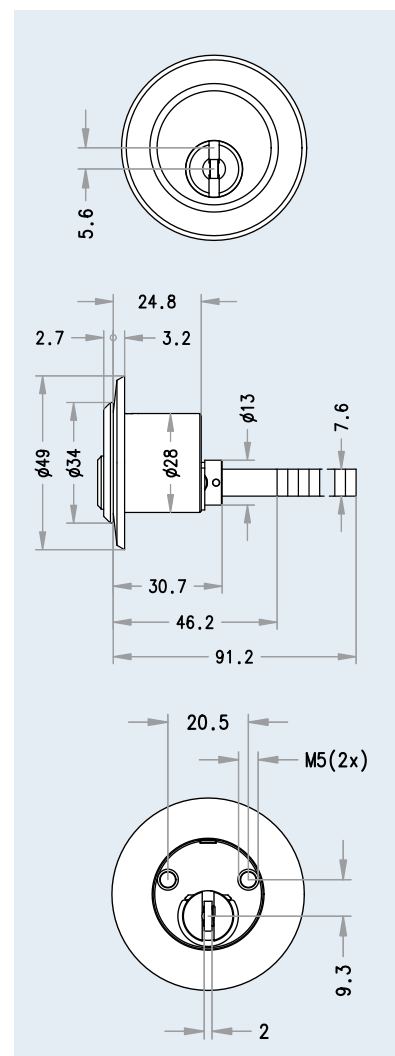
AZG Rim Cylinder

Ordering information
▶ AZG [finish]

■ **Applications and usage**
For third-party products such as rim locks

■ **Functional characteristics**
▶ Locking rotation: 360 degrees
▶ Tail bar can be shortened at 5 mm spaced nicks

■ **Security features**
▶ Hard metal drilling protection in plug and body
▶ Steel balls provide drilling protection for the cylinder fixing screws
▶ Vertical key insertion for optimal scanning of locking elements
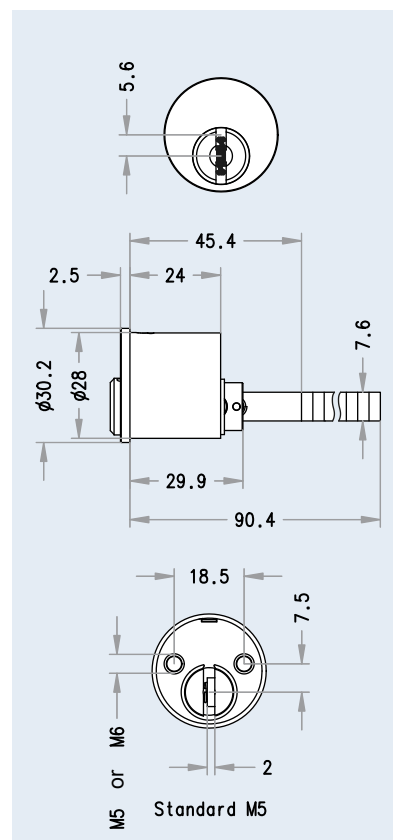
■ **Technical data**
▶ Cylinder body base material: brass
▶ Cylinder plug base material: brass
▶ Tail bar for door thicknesses up to 80 mm
▶ Cylinder Ø 34 mm

■ **Scope of supply**
▶ Round cylinder with two M5 x 40 fixing screws

■ **Installation & operation**
▶ Easy cylinder installation in prepared round hole
▶ Cylinder fixed through two M5 fastening holes
▶ Cylinder screws with pointed tips to make installation easier

Product catalogue, Release 01/11/2010
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AZI Rim Cylinder

■ Applications and usage
▶ For rim locks of various manufacturers

■ Functional characteristics
▶ Locking rotation: 360 degrees
▶ Tail bar can be shortened at 5 mm spaced nicks

■ Security features
▶ Hard metal drilling protection in plug and body
▶ Steel balls provide drilling protection for the cylinder fixing screws
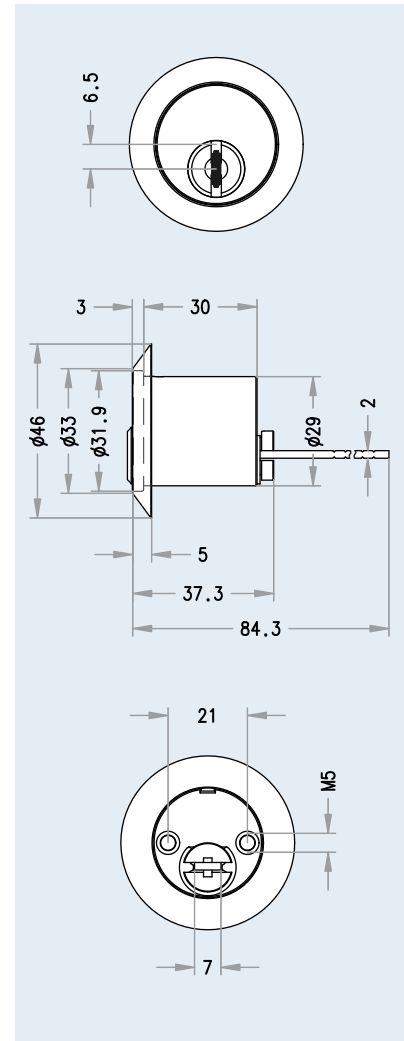▶ Vertical key insertion for optimal scanning of locking elements

■ Technical data
▶ Cylinder body base material: brass
▶ Cylinder plug base material: brass
▶ Tail bar for door thicknesses up to 80 mm
▶ Cylinder Ø 34 mm
▶ Rose Ø 50 mm

■ Scope of supply
▶ Round cylinder with rose and
▶ Two M5 x 40 fixing screws

■ Installation & operation
▶ Easy cylinder installation in prepared round hole
▶ Cylinder fixed through two M5 or M6 fastening holes
▶ Cylinder screws with pointed tips to make installation easier

Ordering information
▶ AZI M5 [finish]
▶ AZI M6 [finish]

AZ4050 Rim Cylinder

Applications and usage
- Designed for rim locks .131, .132, .133, .136

Functional characteristics
- Locking rotation: 360 degrees
- Tail bar can be shortened at 5 mm spaced nicks

Security features
- Hard metal drilling protection in plug and body
- Steel balls provide drilling protection for the cylinder fixing screws
- Vertical key insertion for optimal scanning of locking elements
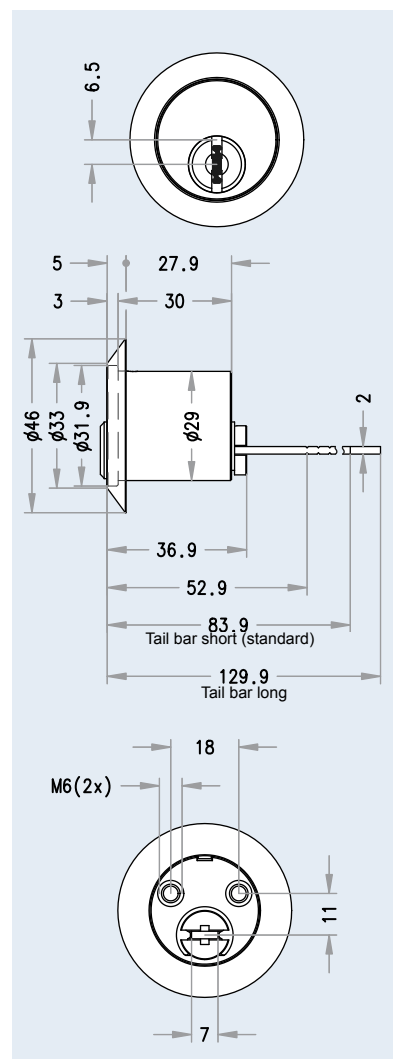
Technical data
- Cylinder body base material: brass
- Cylinder plug base material: brass
- Tail bar for door thicknesses between 40 and 70 mm
- Cylinder Ø 34 mm
- Rose Ø 50 mm

Scope of supply
- Round cylinder with rose and two M5 x 40 fixing screws

Installation & operation
- Easy cylinder installation in prepared round hole
- Cylinder fixed through two M5 fastening holes
- Cylinder screws with pointed tips to make installation easier

Ordering information
- AZ [finish]

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AZ 4063 Rim Cylinder

Ordering information
▶ AZ [finish]

■ **Applications and usage**
  ▶ Designed for case locks .133, .136

■ **Functional characteristics**
  ▶ Locking rotation: 360 degrees
  ▶ Tail bar can be shortened at 5 mm spaced nicks

■ **Security features**
  ▶ Hard metal drilling protection in plug and body
  ▶ Steel balls provide drilling protection for the cylinder fixing screws
  ▶ Vertical key insertion for optimal scanning of locking elements

■ **Technical data**
  ▶ Cylinder body base material: brass
  ▶ Cylinder plug base material: brass
  ▶ Tail bar for door thicknesses between 40 and 70 mm
  ▶ Cylinder Ø 34 mm
  ▶ Rose Ø 50 mm

■ **Scope of supply**
  ▶ Round cylinder with rose and two M5 x 40 fixing screws

■ **Installation & operation**
  ▶ Easy cylinder installation in prepared round hole
  ▶ Cylinder fixed through two M6 fastening holes
  ▶ Cylinder screws with pointed tips to make installation easier

6.5

5   27.9
3   30

Ø46 Ø33 Ø31.9   Ø29   2

36.9
52.9
83.9
Tail bar short (standard)
129.9
Tail bar long

18
M6(2x)
11
7

PDZ Portal Double Cylinder

Ordering information

▶ PDZ cylinder length A/B, [finish], [security and usage options]

Applications and usage

▶ Portals with direct bolting
▶ Garden doors without mortise lock but with direct bolting

Functional characteristics

▶ Lockable on both sides with key
▶ Locking bolt Ø 15 mm
▶ Bolt protrusion: 21.5 mm
▶ 15 mm stroke

Security features

▶ Hard metal drilling protection in plug and body
▶ Vertical key insertion for optimal scanning of locking elements

Technical data

▶ Cylinder body base material: brass
▶ Cylinder plug base material: brass
▶ All scanning elements coated with Triflon
▶ Integrated locking bolt with
▶ 15 mm stroke

Scope of supply

▶ Locking cylinder with locking bolt, without fixing screw

Installation & operation

▶ Cylinder installation in a prepared, empty cylinder hole; designed for portal cylinder
▶ 3 possible M5 fastening variations

min 20.1
max 35.9

20

13.7

Ø14.7

41

Stroke 15 mm

L

B   A

10

25.2
23.5

M4 (4x)

10.5   10.5

5   5

36   36

41   41

Size	A	B	L
36/36	36.5	36.5	73
36/41	36.5	41.5	78
41/41	41.5	41.5	83

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MCS Magnetic Code System
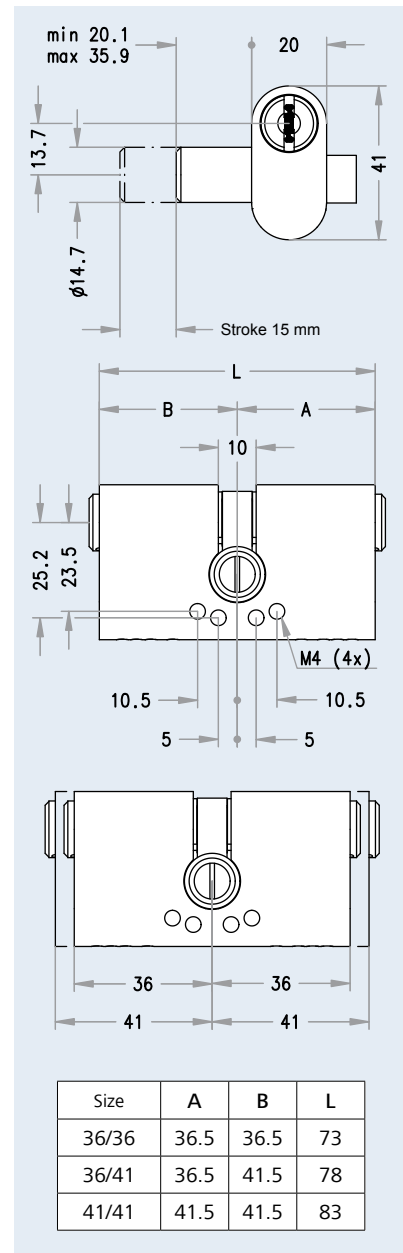
PHZ Portal Half Cylinder

Ordering information
▶ PHZ cylinder length A, [finish], [security and usage options]

■ **Applications and usage**
▶ Portals with direct bolting
▶ Garden doors without mortise lock but with direct bolting
▶ Show window shields

■ **Functional characteristics**
▶ Lockable with key on one side
▶ Locking bolt Ø 15 mm
▶ Bolt protrusion: 21.5 mm
▶ 15 mm stroke

■ **Security features**
▶ Hard metal drilling protection in plug and body
▶ Vertical key insertion for optimal scanning of locking elements

■ **Technical data**
▶ Cylinder body base material: brass
▶ Cylinder plug base material: brass
▶ Integrated locking bolt with
▶ 15 mm stroke

■ **Scope of supply**
▶ Locking cylinder with locking bolt, without fixing screw

■ **Installation & operation**
▶ Cylinder installation in a prepared, empty cylinder hole for portal cylinders
▶ 3 possible M5 fastening variations

min 20.1
max 35.9
13.7
ø14.7
20
41
Stroke 15 mm

55
20.5   34.5
10
23.5
25.2
M5(3x)
10.5   10.5
5
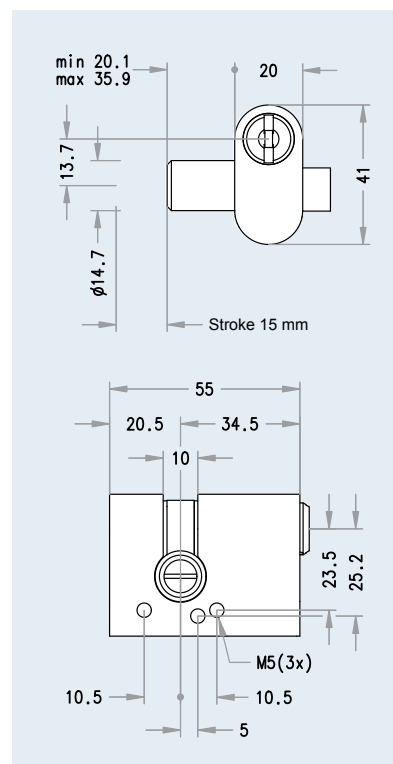
EMZY MZT35i Electronic Motorised Cylinder

Ordering information
▶ KZ cylinder length A/B, MZT35i [A=outer side; B=inner side (thumbturn side)], [security and usage options], [finish]

Accessories
▶ "MCU MI" micro controller for flush-mounted installation, without power adapter
▶ "MCU NT" power adapter for standard supply for the "MCU MI" micro controller
▶ EVKA cylinder connection cable, 10 m
▶ ERK1 door contact, incl. 1.5 m connection cable (white or brown)
▶ ERK4 door contact for metal doors with installation tray, incl. 1.5 m connection cable
▶ EKAO open cable transition, length 30 cm; incl. two end pieces (white, brown or chrome)
▶ ERKO bolt contact, incl. 2 m connection cable with switch-over contact
▶ ABDMK 35 thumbturn cover

Applications and usage
▶ For mortise locks in accordance with DIN or ÖNORM
▶ For mortise locks in accordance with European technical standards
▶ Small backset for the motorised thumbturn on the thumbturn side, particularly suited for metal frame doors
▶ And for mortise locks with profile cylinder hole
▶ Motorised thumbturn with integrated button for simple operation
▶ Mechanical emergency release from the locking side
▶ Electronic control via external input units (such as code keypad, wall reader, ...)

Functional characteristics
▶ Electronically operated, cabled, motorised cylinder
▶ To lock/unlock locks
▶ Simple night-and-day mode switch
▶ Interactive learn mode for lock function (single and double turn locks)

Security features
▶ Shape-matched spacer discs allow seamless transition from the thumbturn to the escutcheon

Technical data
▶ Cylinder body base material: brass
▶ Cylinder plug base material: brass
▶ Cam home position: 30 degrees
▶ Cam width: 9.3 mm
▶ Modular cylinder design
▶ Motorised thumbturn torque about 1 Nm

Scope of supply
▶ Electronic motorised cylinder
▶ Three 1.5 mm spacer discs
▶ Fixing screw

Installation & operation
▶ Easy cylinder installation in a prepared, empty cylinder hole
▶ Cylinder projecting length may not exceed 3 mm for security-relevant doors
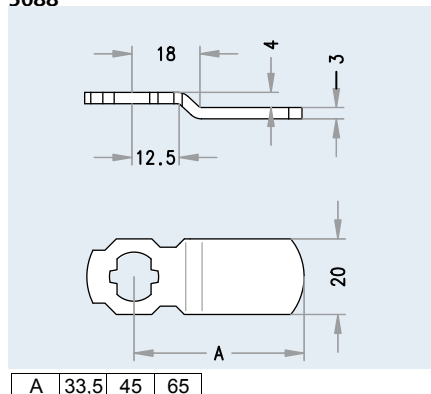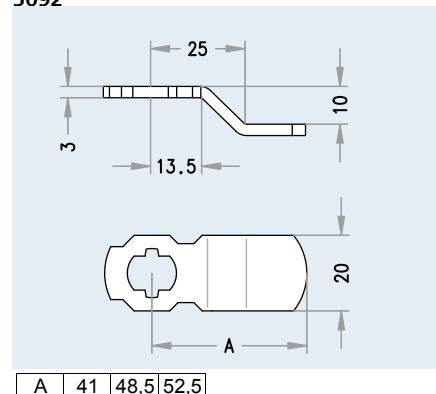▶ Cylinder fixed through a M5 fastening hole

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MCS — Magnetic Code System
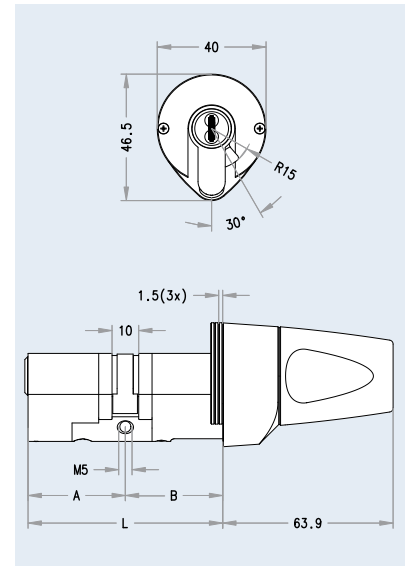
Cam types

- **Applications and usage**
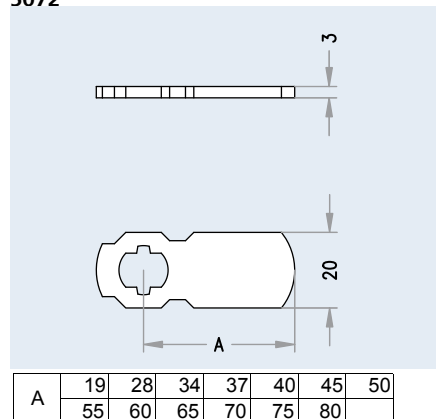 - ▶ For cam locks (plate installation cylinders) MB23, MB30, ZB27, ZB27K, MB23G, MB23GT, MB30MB, MB30
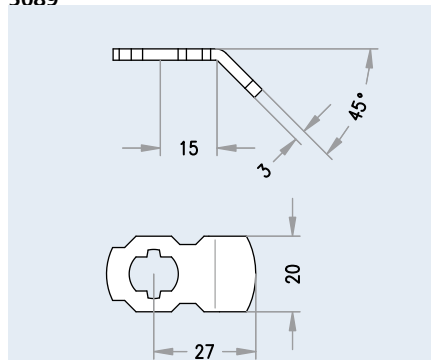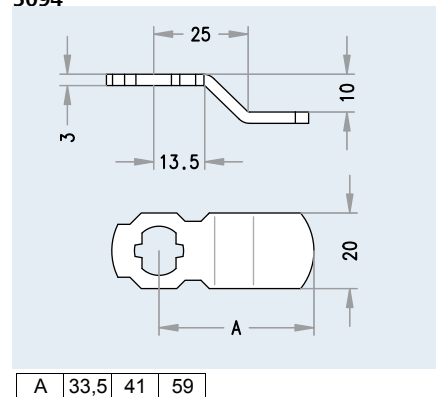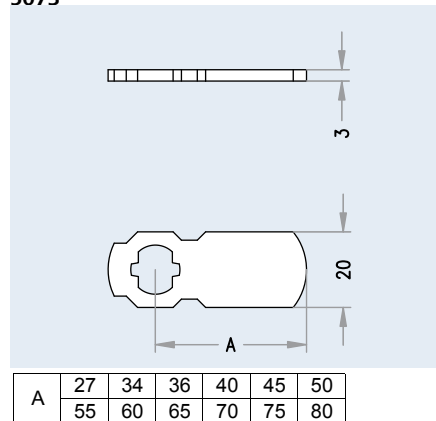
5088

A	33,5	45	65

5092

A	41	48,5	52,5

5072

A	19	28	34	37	40	45	50
	55	60	65	70	75	80	

5089

5094

A	33,5	41	59

5073

A	27	34	36	40	45	50
	55	60	65	70	75	80

5090

5095

A	45	50

5087

A	33,5	40	45	65

5091

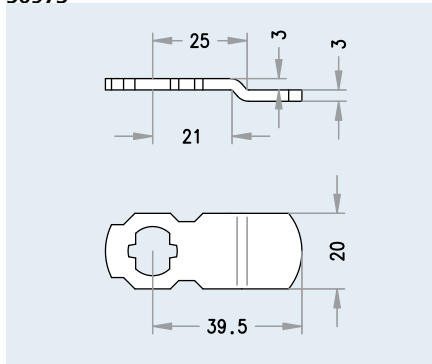| A	39,5	59	65,5

5096

A	33,5	45

Cam types
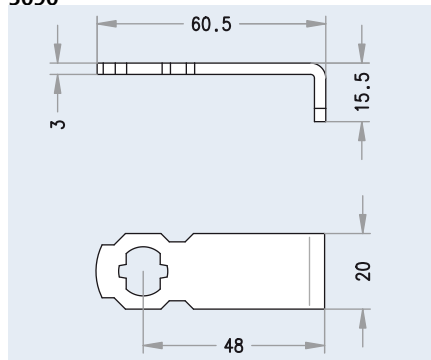
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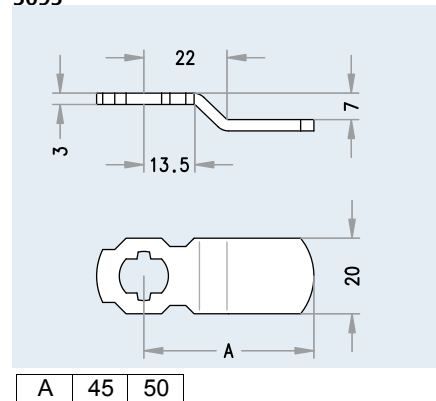
5099D
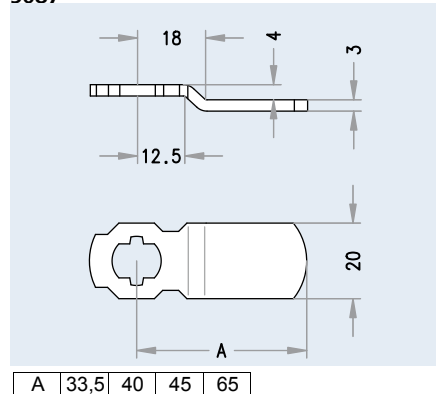
EVVA, storage and Zwick mailbox systems
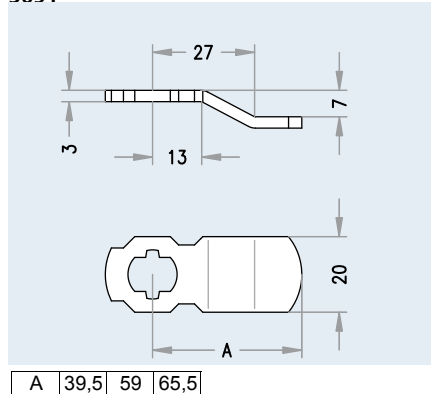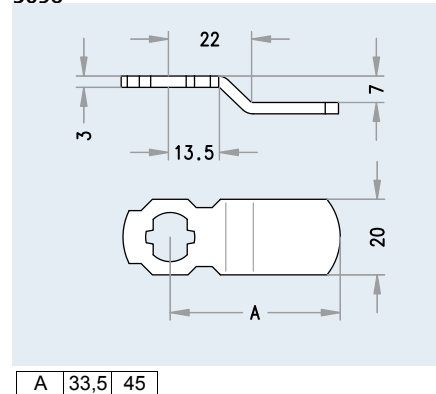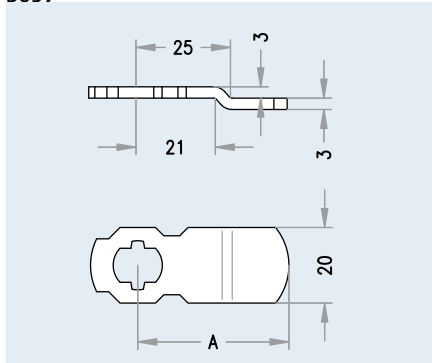
| A | 33,5 | 37 | 40 | 45 | 50 | 55 | 70 |
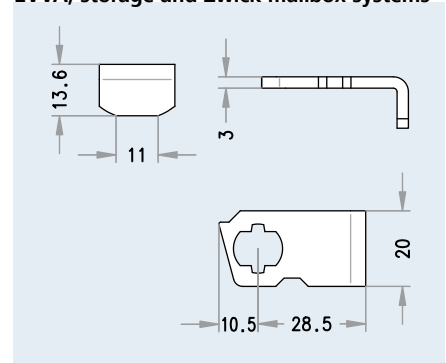
5097S

Hook

Special mailbox systems
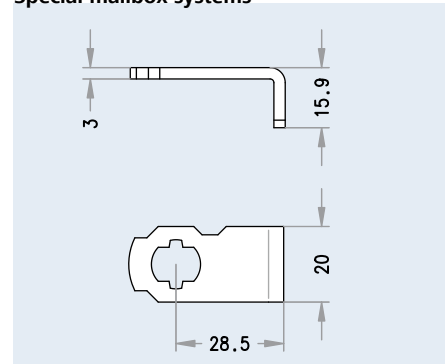
5098
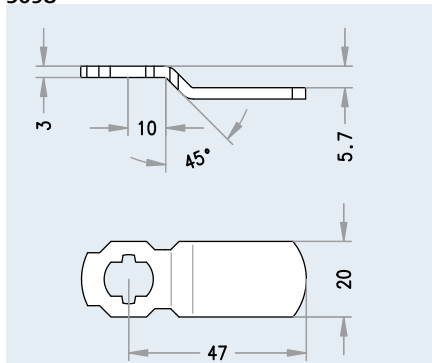
Hook 2
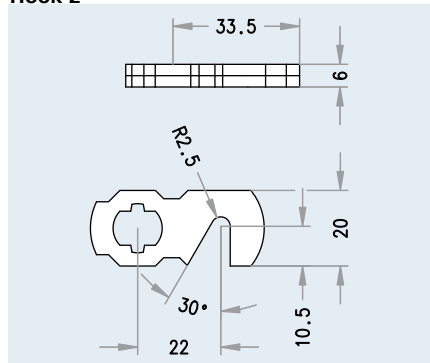
RENZ3

5099C

NSK

RENZ D

| A | 22 | 28 |

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EVVA
access to security
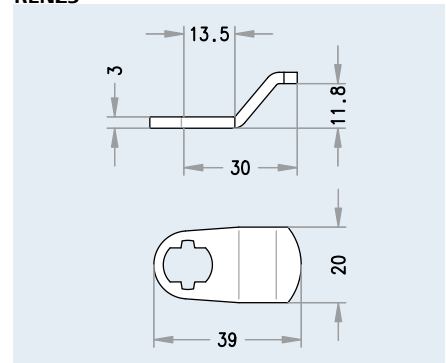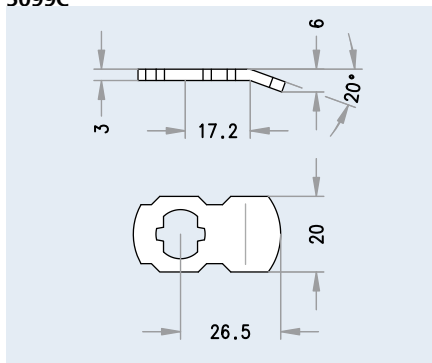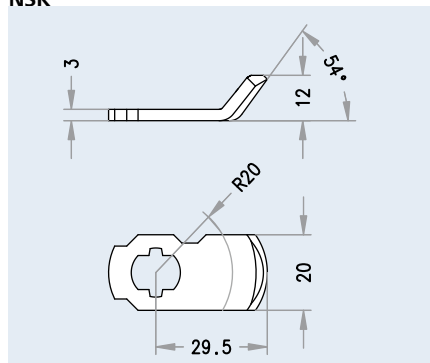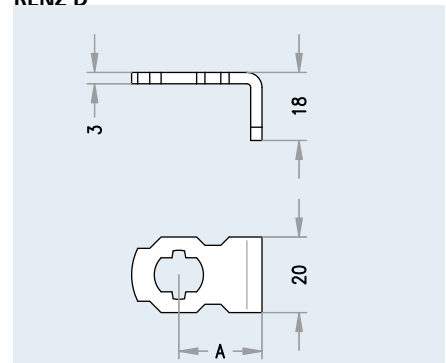
B1 Construction Key

Ordering information
▶ B1

- **Technical data**
  - ▶ The conical, square-shaped key tip ensures doors can be opened and closed easily.
  - ▶ Cam for profile cylinder hole
  - ▶ 7 to 10 mm square-shaped pin
  - ▶ Cylinder measuring unit

- **Material used**
  - ▶ Composite

B2 Construction Key

Ordering information
▶ B2

- **Technical data**
  - ▶ The conical, square-shaped key tip ensures doors can be opened and closed easily.
  - ▶ Square-shaped pin lock key, 6, 7 and 8 mm
  - ▶ Cam for profile cylinder hole
  - ▶ Square-shaped pin, 6 to 10 mm
  - ▶ Hexagonal key, 3 mm

- **Material used**
  - ▶ Composite

B3 Construction Key With Cylinder Measuring Unit

Ordering information
▶ B3

- **Applications and usage**
  - ▶ The conical, square-shaped key tip ensures doors can be opened and closed easily.
  - ▶ 6, 7 and 8 mm square-shaped pin lock key
  - ▶ Cam for profile cylinder hole
  - ▶ Square-shaped pin between 7 and 10 mm
  - ▶ Hexagonal key, 3 mm
  - ▶ Cylinder measuring unit

- **Material used**
  - ▶ Die-cast, nickel plated

B4 Multi-Tool Construction Key

Ordering information
▶ B4

- **Applications and usage**
  - ▶ External square socket key, AF width 7 + 8 mm
  - ▶ External triangular socket key, 8 mm
  - ▶ Pozidrive screw bit no. 2
  - ▶ Countersunk screw bit size 3
  - ▶ Radiator bleed key, AF width 5 mm
  - ▶ Measurement scale up to 40 mm
  - ▶ Round cylinder carrier, nominal ø 22 mm
  - ▶ Bottle opener on carrier
  - ▶ Square drive, AF width 7 / 8 / 9 / 10 mm
  - ▶ Hexagonal square drive, AF width 3 mm

- **Material used**
  - ▶ Die-cast, satin nickel plated

Multi-Spray

■ **Applications and usage**

▶ Indispensable for house and garden, at the workplace, for vehicles, sport and leisure equipment, industry and agriculture, all kinds of machines, locks as well as all electrical devices.

■ **Security features**

▶ Free of silicone, hence it does not gum susceptible materials

■ **Functional characteristics**

▶ Eliminates squeaking and creaking
▶ Helps to jump start damp motors
▶ Loosens jammed components
▶ Protects against corrosion
▶ Cleans tough dirt and stains

■ **Designs**

▶ Multi-Spray 200 ml
▶ Multi-Spray 400 ml

Resistorx Screws

■ **Applications and usage**

▶ Tamper-proof cylinder fixing screw

■ **Security features**

▶ Optimum protection against tampering with special Resistorx
▶ Countersunk head with TX35

■ **Designs**

▶ Nirosta, stainless steel

Ordering information

▶ Resistorx

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A ▶   EVVA Sicherheitstechnologie GmbH
      Wienerbergstraße 59–65 | A-1120 Wien
      T +43 1 811 65-0 | F +43 1 812 20 71
      office-wien@evva.com | www.evva.com

      EVVA Sicherheitssysteme GmbH
      Ing.-Julius-Raab-Str. 2 | A-2721 Bad Fischau-Brunn
      T +43 2622 42288 | F +43 2622 42288-34
      office-badfischau@evva.com | www.evva.com

D ▶   EVVA Sicherheitstechnik GmbH
      Höffgeshofweg 30 | D-47807 Krefeld
      T +49 2151 37 36-0 | F +49 2151 37 36-5635
      office-krefeld@evva.com | www.evva.de

      EVVA Sicherheitstechnik GmbH
      Föpplstraße 15 | D-04347 Leipzig
      T +49 341 234 090-5 | F +49 341 234 090-5760
      office-leipzig@evva.com | www.evva.de

      EVVA Sicherheitstechnik GmbH
      Kiefholzstraße 287 | D-12437 Berlin-Treptow
      T +49 30 536 017-0 | F +49 30 536 017-5722
      office-berlin@evva.com | www.evva.de

▶ ▷ ▷   **www.evva.com**