

High Quality
Made in Germany



CESGruppe
CEScylinder
CEStronics
CESlocks



CES – the oldest German manufacturer of cylinder locks

C.Ed.Schulte GmbH – or CES in short – is the oldest manufacturer of cylinder locks in Germany. Based in Velbert, the company has established itself as a leading, internationally renowned supplier of mechanical, electronic and mechatronic security systems for use in demanding industrial building, general industrial and residential building applications.

Core element in our product range are locking systems, complemented by standard and high-security profile cylinders as well as furniture and special cylinders. With the addition of quality door locks, in particular special locks for functional door applications, CES has become a true full-liner in the market. All products combine highest quality and precision with utmost operator convenience and a maximum of security. CES is able to provide the perfect solution for any requirement and any field of application. Especially when it comes to planning and implementing very comprehensive and highly complex locking systems, CES has earned international recognition.



Our mechanical locking systems and security cylinders are marketed under the CES brand. CESTronics is the brand name for the electronic and mechatronic security systems of CES. CESlocks, the former Niederhoff+Sieper, which has been a 100% CES subsidiary since 1968, sells door locks of the highest quality.

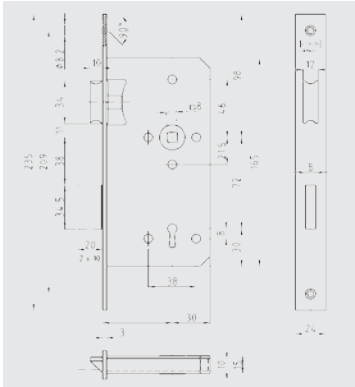
The history of CES dates back to the beginning of the nineteenth century. According to the city archives of Velbert, the company was founded in 1840 by Heinrich Schulte, whose father had run a locksmith's shop since 1816. Heinrich's successor Carl Eduard Schulte then gave the company the name it still bears today.

These days, the company has more than 400 employees producing the entire CES product range in two plants in the city of Velbert, the center of the German lock industry.

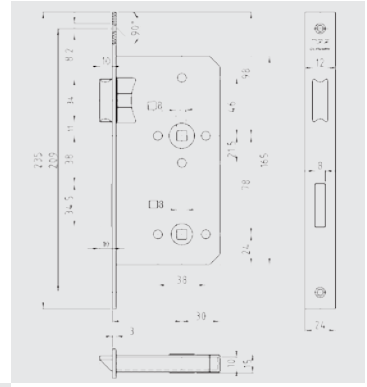
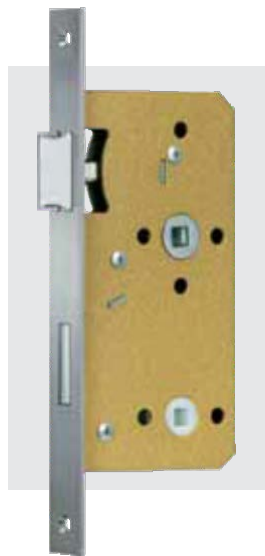
As a group, CES consistently promotes its international activities. Global exports already contribute more than a third to its total sales revenues.

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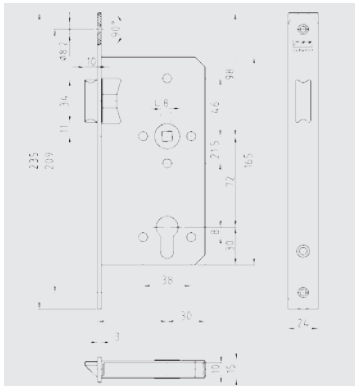




CES mortise lock 7710
1 formed key each

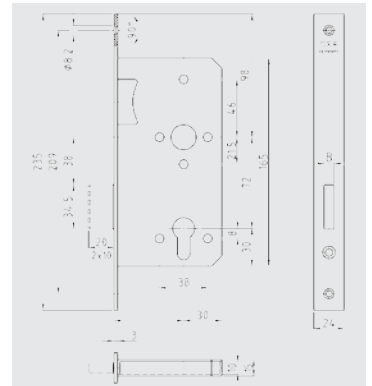


CES mortise lock 7790
78 mm distance
8/8 mm follower
bathroom lock



CES mortise lock 7700-01
only latch bolt

CES mortise lock 7734-01
only latch bolt
with transmission bar
same as 7700-01, but operated
by handle and key



CES mortise lock 7730-02
only dead bolt



CES mortise locks

Series 78 with changeable forend

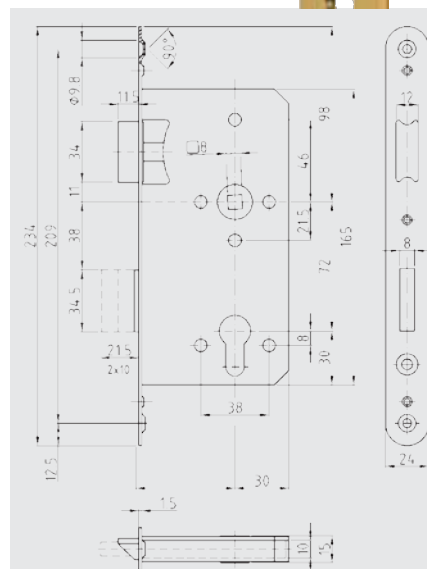
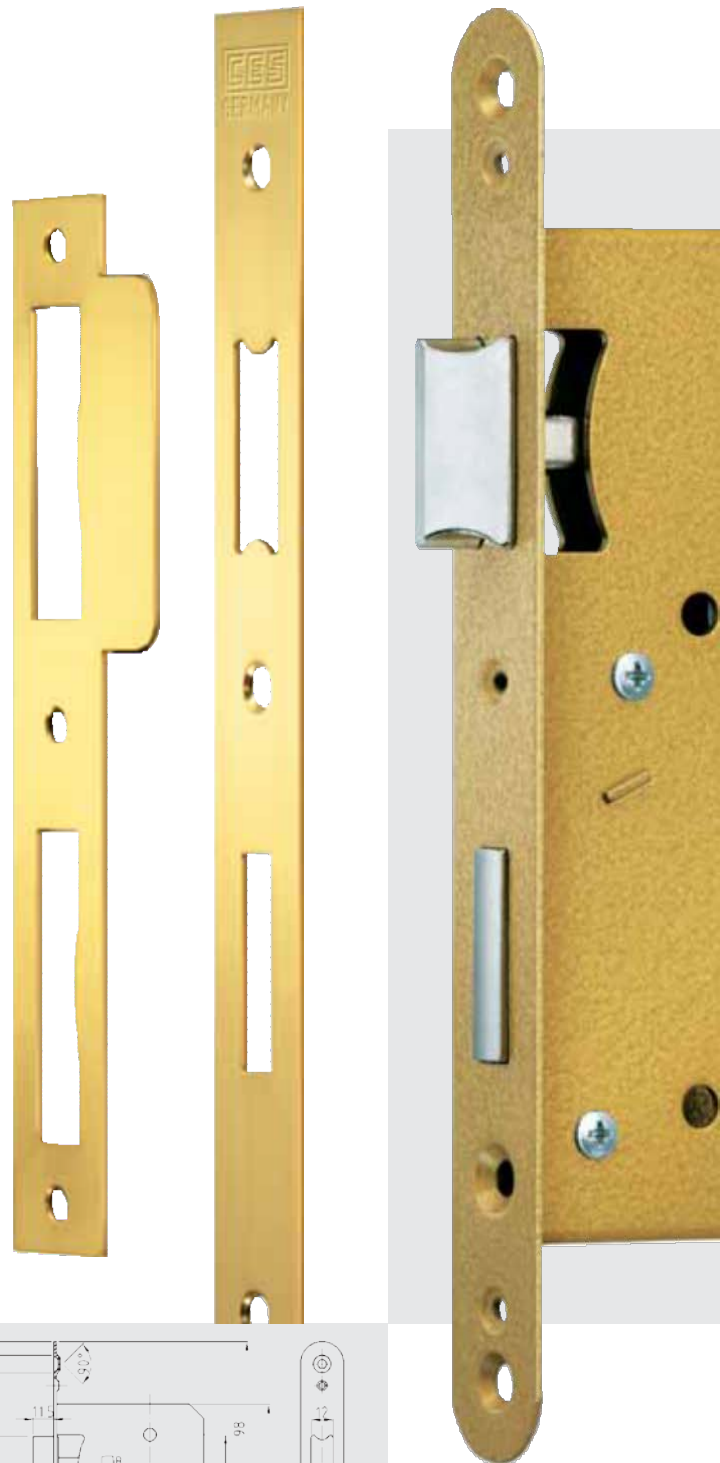
- basic lock, changeable forend
- medium version, for plain/flush doors
- lockcase closed, galvanized and lacquered
- according to German Standard DIN 18251
- reversible

available backsets:	45, 55, 60, 65, 70, 80 mm
distance:	72 mm
follower:	8 mm
prepared for forend and striking plates:	78CF, 78CF-01, 78CF-02
latch bolt:	metall nickel plated
dead bolt:	steel nickel plated

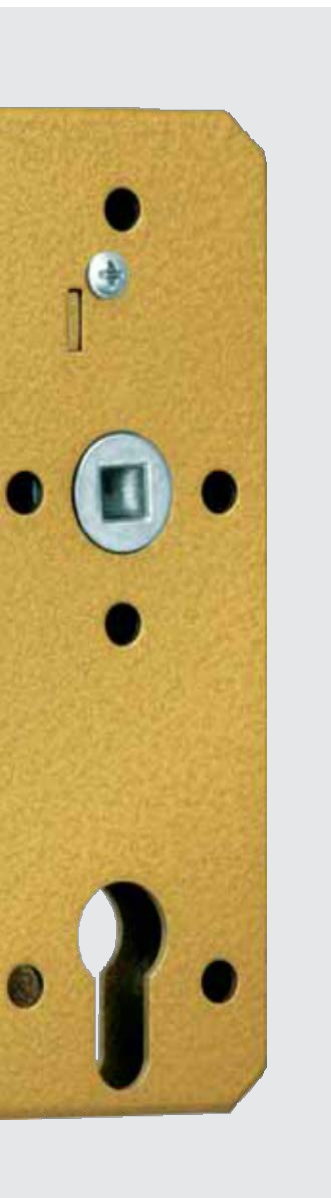
Also available with light spring for knob handles.

4 different materials/finishes:

- stainless steel
- steel lacquered - brass colour
- solid brass, polished
- steel lacquered - silver colour



**CES mortise lock
7834**
with transmission bar
prepared for
profile cylinders



CES mortise lock 7890
 78 mm distance
 2 followers, 8/8 mm
 bathroom lock



CES mortise lock 7800-01
 only latch bolt

7834-01
 only latch bolt
 with transmission bar
 same as article 7800-01,
 but operated by handle
 and key



CES mortise lock 7830-02
 only dead bolt

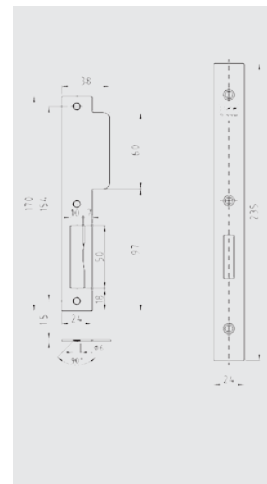
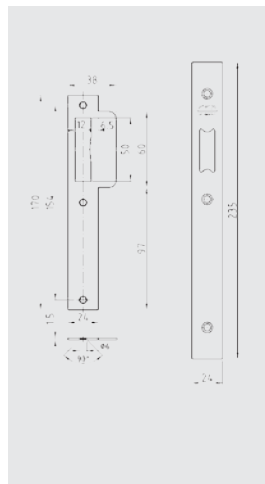
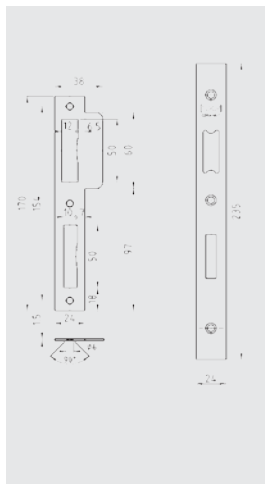


CES mortise lock 7810
 1 formed key each

78CF
 Forend and striking plate
 set for locks 7834, 7890
 and 7810, edged or
 rounded

78CF-01
 Forend and striking plate
 set for locks 7800-01 and
 7834-01, edged or
 rounded

78CF-02
 Forend and striking plate
 set for lock 7830-02,
 edged or rounded

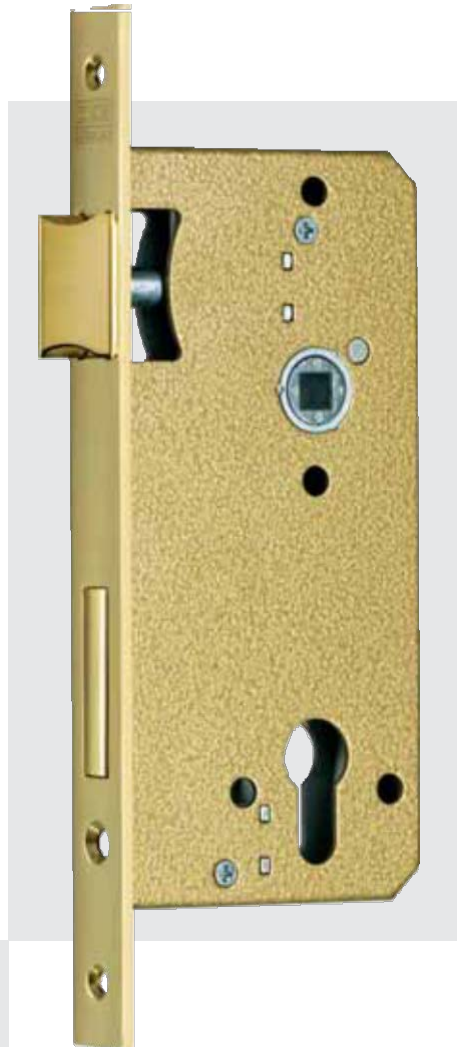


CES mortise locks

Series 90, 85 mm distance

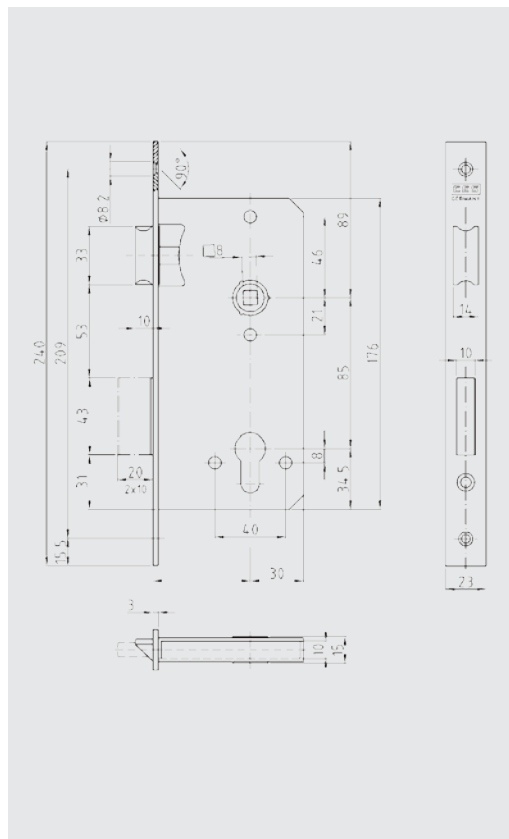
- heavy duty version, for plain/flush doors
- lockcase closed, galvanized and lacquered
- follower supported in steel ring
- with striking plate
- reversible

available backsets:	45, 55 mm
distance:	85 mm
follower:	8 mm
forend:	23 x 240 mm, edged
forend and striking plate:	stainless steel solid brass, polished
latch bolt:	solid brass
dead bolt:	solid brass



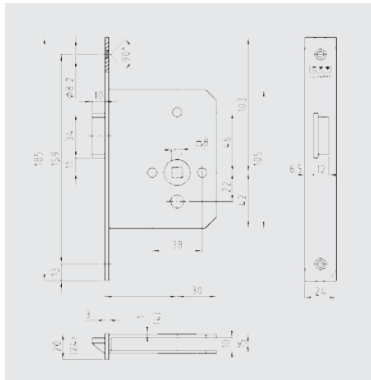
CES mortise lock 9034
85 mm distance
with transmission bar
prepared for profile cylinders

CES mortise lock 9090
85 mm distance
8/8 mm follower
bathroom lock

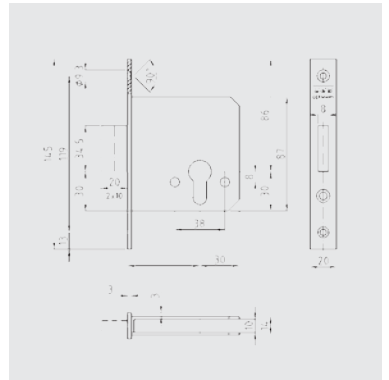


CES mortise locks

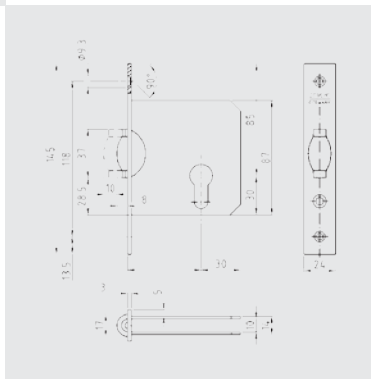
Special purposes



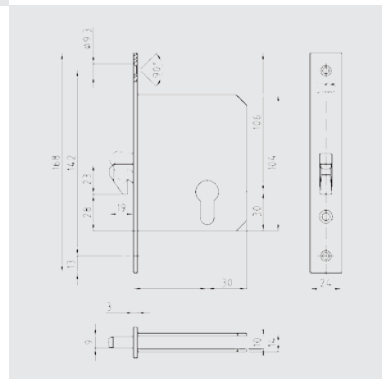
CES mortise lock 2500
 only latch bolt
 55, 60 or 65 mm backset
 forend 24 x 185 mm,
 edged or rounded
 not reversible (left or right
 hand)



CES mortise lock 2730
 only dead bolt
 55, 60 or 65 mm backset
 forend 20 x 145 mm,
 edged or rounded



CES mortise lock 4730
 with roller bolt
 only 55 mm backset
 forend 24 x 145 mm, edged



CES mortise lock 5830
 for sliding doors
 only 55 mm backset
 forend 20 x 168 mm, edged

CES mortise locks

Narrow frame

- heavy duty version
- lockcase galvanized, above and below closed
- with special two-turn dead-bolt
- without striking plate
- reversible
- less 30 mm backset: one-turn bolt space 15 mm
- 30, 35, 40 45 mm backset: special two-turn bolt space 25 mm

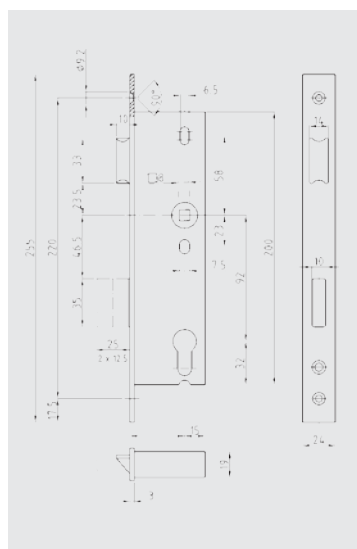
distance: 92 mm

follower: 8 mm

forend: galvanized,
silver lacquered;
stainless steel;
plastic coated

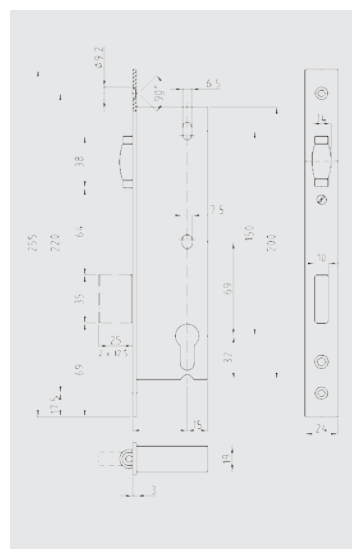
latch bolt: steel nickel plated

dead bolt: steel nickel plated



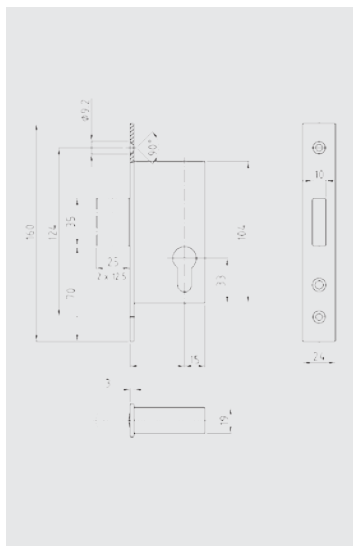
CES mortise lock 5434

25, 30, 35, 40, 45 mm backset
forend 24 x 255 mm edged
with transmission bar
prepared for profile cylinders

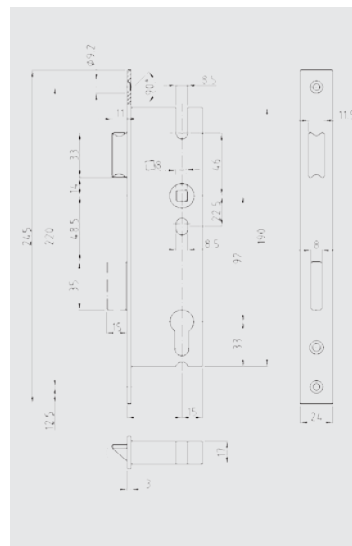


CES mortise lock 5630

30, 35, 40, 45 mm backset
forend 24 x 255 mm edged
prepared for
profile cylinders
with roller bolt



CES mortise lock 5530
 25, 30, 35, 40, 45 mm backset
 forend 24 x 160 mm edged
 prepared for profile cylinders
 only dead bolt



CES mortise lock 5834
 medium version
 20, 25, 30, 35, 40, 45 mm backset
 forend 24 x 245 mm edged
 with transmission bar
 prepared for profile cylinders
 only one turn
 bolt space 15 mm

CES striking plates

Striking plates for wooden doors

Materials/finishes: steel lacquered, brass colour; steel lacquered, silver colour; stainless steel; brass polished

0522-16

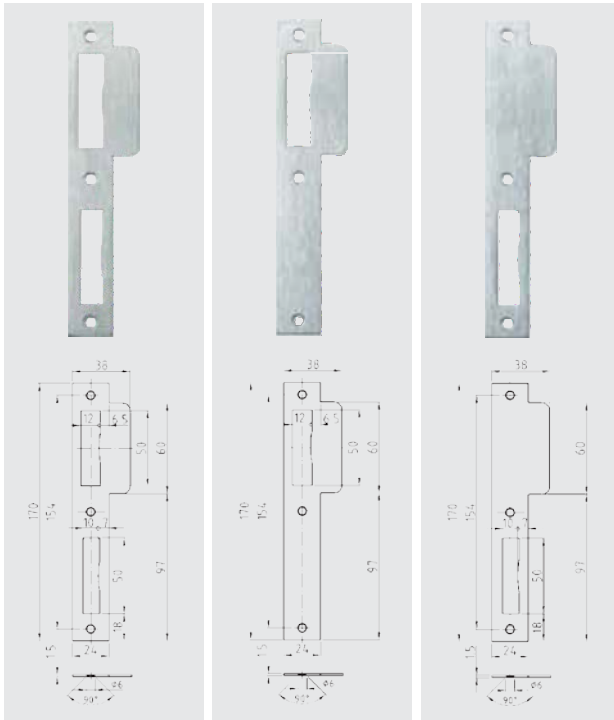
for locks 7734, 7790, 7710

0522-17

for locks 7700-01, 7734-01

0522-18

for lock 7730-02



Striking plates for metal doors

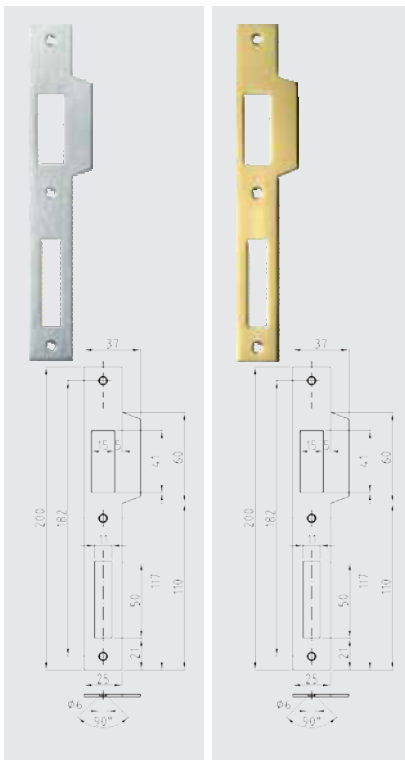
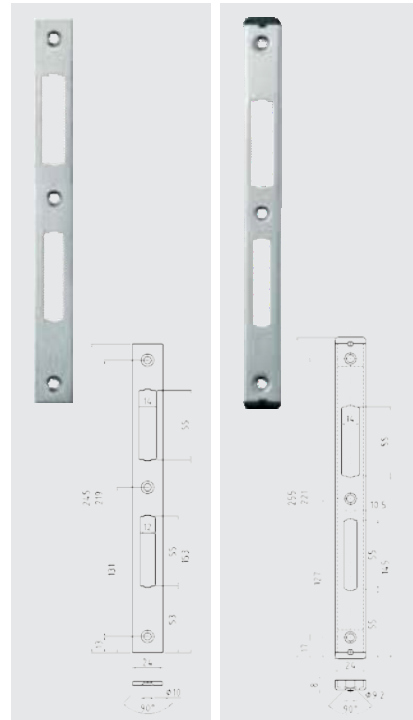
Materials/finishes: steel galvanized, silver lacquered; stainless steel; plastic coated

5729

for locks 5434, 5630, 5834

2524

for locks 5434, 5630, 5834
thickness:
6, 8, 10 or 12 mm



0590

for locks 9034, 9090

Materials/finishes:
stainless steel;
brass polished

5730

for lock 5530

Materials/finishes:
steel galvanized,
silver lacquered;
stainless steel;
plastic coated

CES Profile cylinders

High quality – high security

is what is demanded from products like cylinders, security systems and locks.

CES' production is based upon the latest state of modern technology. The use of specially designed CNC-controlled machines combined with highly advanced technical know-how, enables us to guarantee worldwide the highest quality standard at competitive prices.

The observance of tight manufacturing tolerances, strict quality control in all the production areas as well as the precision machining of high-grade materials leads to high quality products.

Apart from quality the second most important factor in the production of cylinders is the security.

CES profile cylinders guarantee high security against unauthorized and forcible opening. For doors in high risk areas different versions of anti-drilling and antipulling protection are available. For masterkey systems special key sections are inserted generally to prevent unauthorized key duplication.

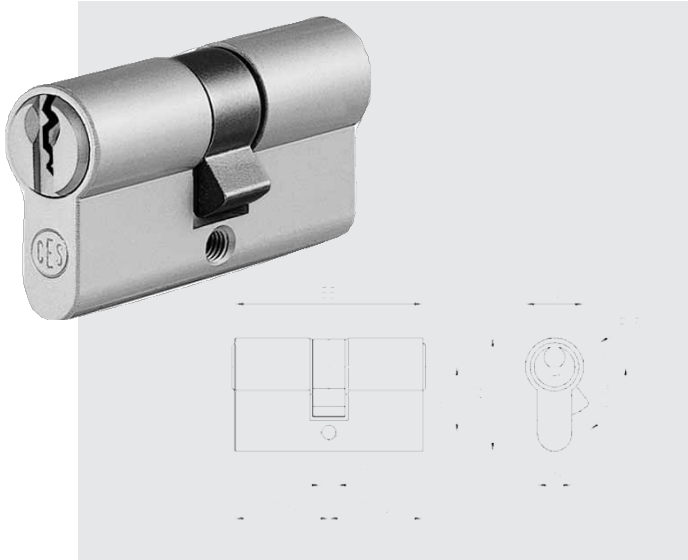
CES profile cylinders meet the German standard DIN 18252/EN 1303 in all requirements and are partially superior to it.

Our experience is your advantage



CES profile cylinders

Standard version

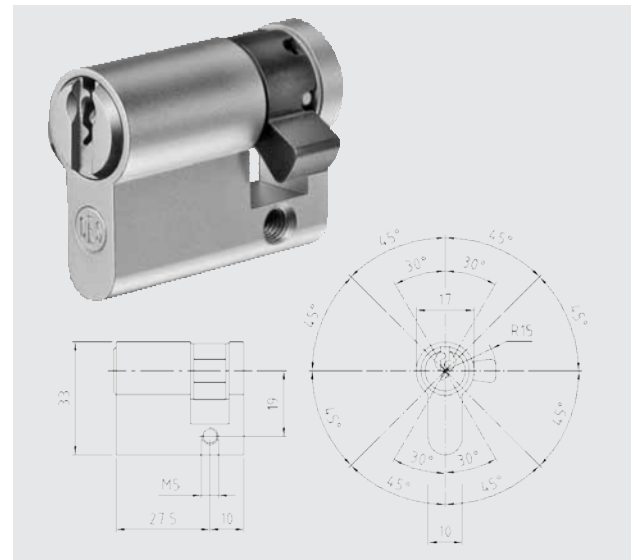


CES double cylinder no. 810

- basic length 55 mm, extension in 4/5 mm increments
- 5 pin tumblers each side
- solid brass, finishes see page 17
- 3 keys of brass or steel nickel plated
- 60.000 different key changes possible
- according to German Standard DIN 18252/EN 1303
- with fixing screw M 5

CES knob cylinder no. 815

- basic length 55 mm, extension in 4/5 mm increments
- 5 pin tumblers
- solid brass, finishes see page 17
- 3 keys of brass or steel nickel plated
- different knob shapes/materials
- 60.000 different key changes possible
- according to German Standard DIN 18252/EN 1303
- with fixing screw M 5

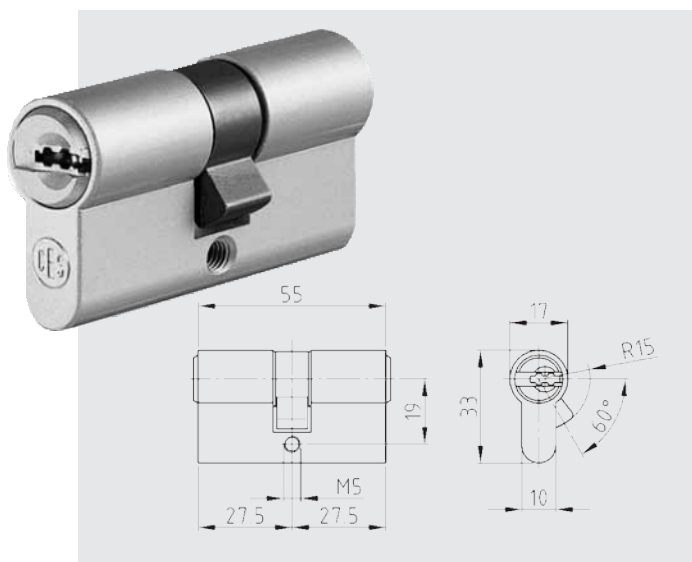


CES half cylinder no. 851 1/2

- basic length 37,5 mm, extension in 4/5 mm increments
- 5 pin tumblers
- solid brass, finishes see page 17
- 3 keys of brass or steel nickel plated
- follower adjustable in 12 positions
- 60.000 different key changes possible
- according to German Standard DIN 18252/EN 1303
- with fixing screw M 5

CES profile cylinders

Standard version with reversible keys

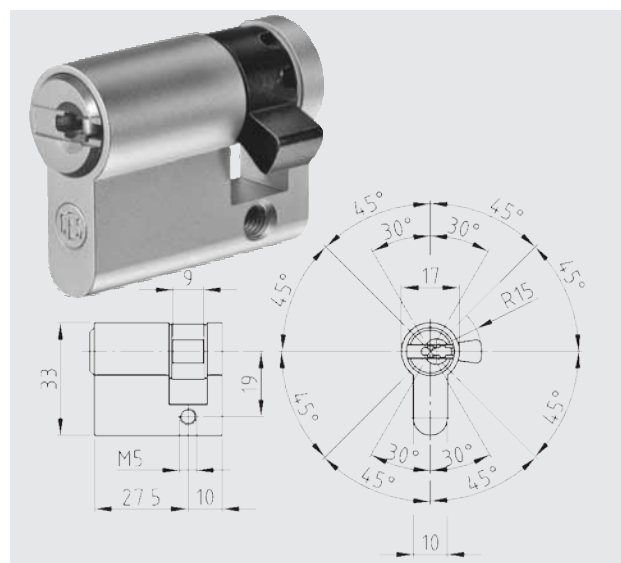
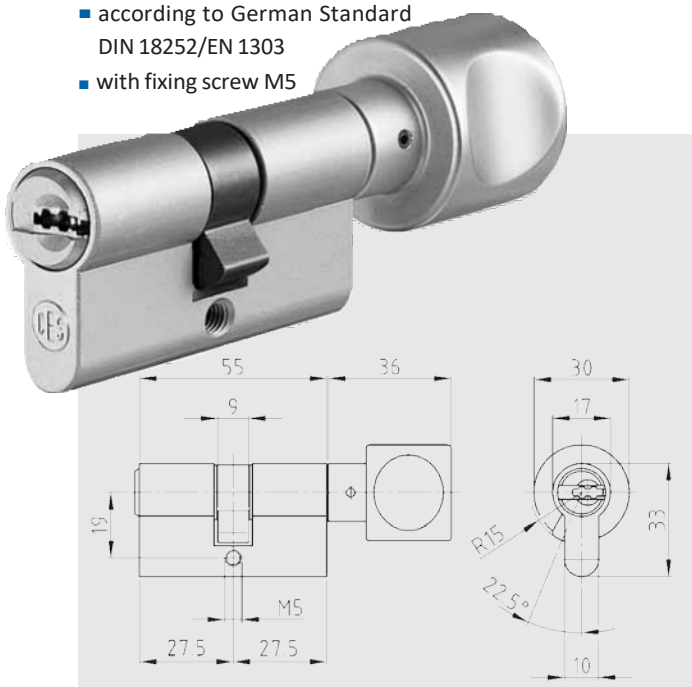


CES double cylinder no. 810WNP5

- basic length 55 mm, extension in 4/5 mm increments
- 5 pin tumblers each side
- solid brass, finishes see page 17
- 3 reversible keys of nickel silver
- 30.000 different key changes possible
- according to German Standard DIN 18252/EN 1303
- with fixing screw M 5

CES knob cylinder no. 815 WNP5

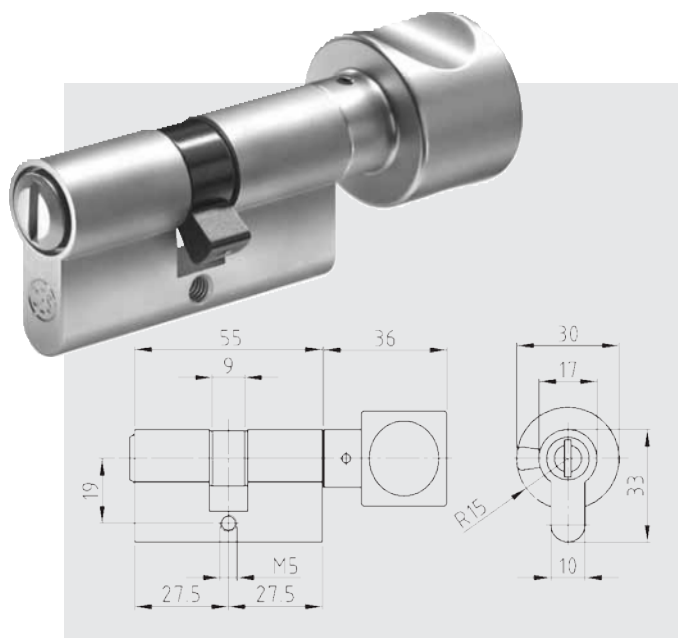
- basic length 55 mm, extension in 4/5 mm increments
- 5 pin tumblers
- solid brass, finishes see page 17
- 3 reversible keys of nickel silver
- different knob shapes/materials
- 30.000 different key changes possible
- according to German Standard DIN 18252/EN 1303
- with fixing screw M5



CES half cylinder no. 851 1/2 WNP5

- basic length 37,5 mm, extension in 4/5 mm increments
- 5 pin tumblers
- solid brass, finishes see page 17
- 3 reversible keys of nickel silver
- follower adjustable in 12 positions
- 30.000 different key changes possible
- according to German Standard DIN 18252/EN 1303
- with fixing screw M 5

CES profile inserts

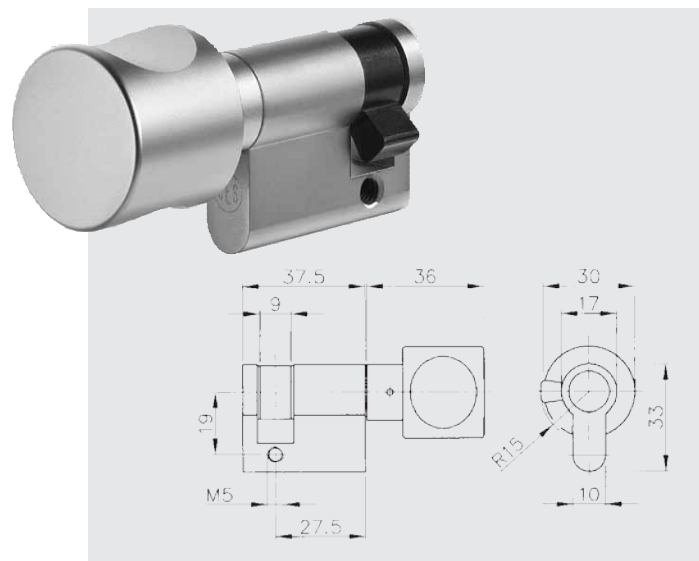


CES article no. 802/30

- basic length 55 mm, extension in 4/5 mm increments
- solid brass, finishes see page 17
- different knob shapes/materials
- function: inside with knob/other side with coin, screw driver etc. (emergency function)
- with fixing screw M 5

CES article no. 802/4

- basic length 55 mm, extension in 4/5 mm increments
- solid brass, finishes see page 17
- different knob shapes/materials
- function: inside with knob/other side with red/white indicator and Allen key (emergency function)
- with fixing screw M 5, direction necessary



CES article no. 802 1/2-3

- basic length 37,5 mm, extension in 4/5 mm increments
- solid brass, finishes see page 17
- different knob shapes/materials
- function: only one side with knob
- with fixing screw M 5



Further types of inserts are available:
 blind insert, one side key/other side blind,
 one side knob/other side blind

CES profile cylinders

Special equipment

Cylinder finishes

- Solid brass –
 - satin nickel plated
 - brass polished
 - polished chrome plated
 - satin chromium plated
 - bronzed
 - polished gold plated
 - stainless steel finish

Additional finishes on demand.

Special equipment for cylinders

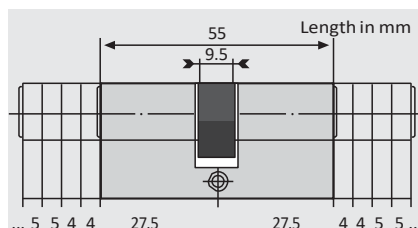
- Janitor function for double cylinder (810/59): Higher-order key operates bolt and latch. Single key operates the latch only.
- Sliding clutch for knob cylinder (815/60): Cylinder can even be locked with a key from the outside when the knob is blocked.
- Wear resistant cylinder.

Antidrilling and anti-pulling protection

To prevent forcible opening of doors in high-risk areas, several highly effective anti-drilling (BS3, BS4) protection and anti-drilling/anti-pulling (BZ1, BZ2) protection are available.

CES also offers effective solutions to foil picking attempts, including picking by the so-called percussion method.

Cylinder lengths



A/mm	B/mm	Total length
27.5	27.5	55
27.5	31.5	59
27.5	35.5	63
31.5	31.5	63
31.5	35.5	67
35.5	35.5	71
35.5	40.5	76
31.5	45.5	77
35.5	45.5	81
40.5	40.5	81
40.5	45.5	86
45.5	45.5	91
...
...

Further lengths are possible.
Maximum total length: 151 mm.

Choice of knob shapes

CES knob H

- aluminium anodized, different colours available
- stainless steel
- solid brass, polished
- solid brass, polished chrome plated
- solid brass, satin chrome plated
- solid brass, dark bronzed
- solid brass, polished gold plated

CES knob S

aluminium anodized, different colours available



Knob H



Knob S



Knob E



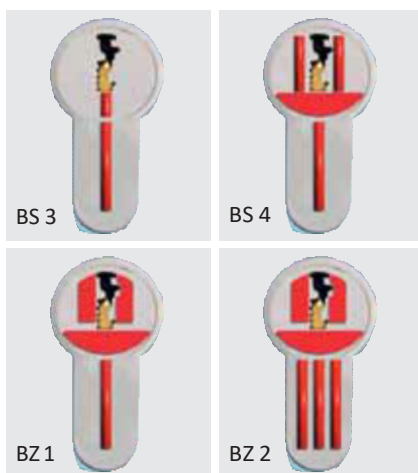
Knob CR

CES knob E

aluminium anodized, different colours available

CES knob CR

- solid brass, polished
- solid brass, satin nickel plated
- solid brass, polished chrome plated
- solid brass, satin chrome plated
- solid brass, bronzed
- solid brass, polished gold plated



CES high security profile cylinders



CES high security profile cylinders were specially designed for access to private housing, shops and small-size offices. Most important criteria were security and locking convenience.

Security

Special hard metal inserts in the housing and the core of the cylinder provide a reliable protection against drilling and pulling. Special anti-picking devices prevent from illegal opening.

High security cylinders are delivered generally in a special key section. As no keyblanks of these are existing on the market, duplicate or spare keys can only be obtained from authorized dealers against presentation of the security card.

The double cylinders are equipped generally with emergency function (although if a key is inserted from the inside, the cylinder can be operated from the outside).

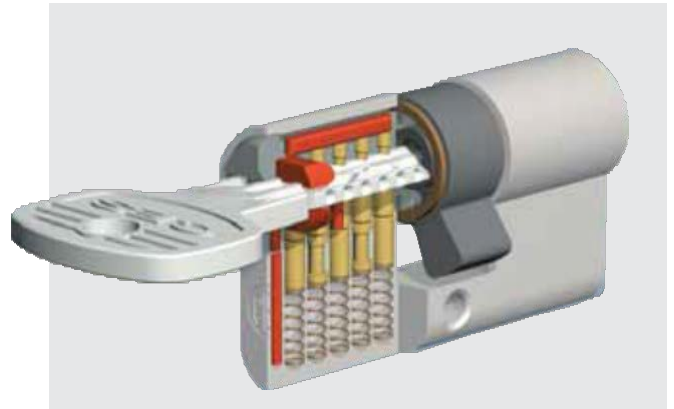
Locking convenience – one key for all

With CES security cylinders you can equip an entire house so that virtually all doors can be opened with the same key.

Therefore CES offers the security cylinders also in keyed alike versions and different types of cylinders such as double-, half-, knob- and cam cylinder as well as padlock and rim lock with outside cylinder.

Changeable key locking (optional)

The scope of supply for this optional version includes a second key set and an additional security card. In case of a key loss the key locking can be changed easily by using the second key set. After one turn with the key of the second key set the key locking will be changed and the original keys will not operate any more.



Reversible profile cylinder 910 WR VdS certified cylinder

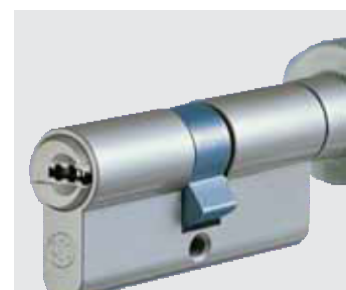
High-end product in terms of security and comfort.

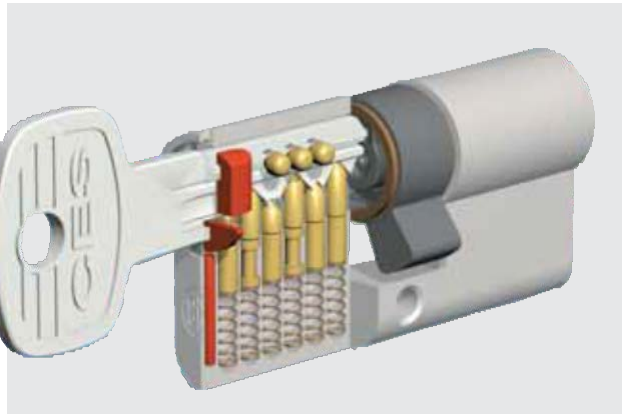
As many as 17 locking elements prevent any unauthorized operation. Perfectly placed hard metal inserts make a forcible opening of the cylinder virtually impossible.

Complete with effective antipicking protection.



- basic length 55 mm, extension in 4/5 mm increments
- up to 17 locking elements
- special key section, emergency function
- antidrilling and antipulling protection
- satin nickel plated finish (glass bead blast)
- 5 nickel silver keys including purse key
- security card and maintenance/installation instructions
- delivered in a sealed plastic box



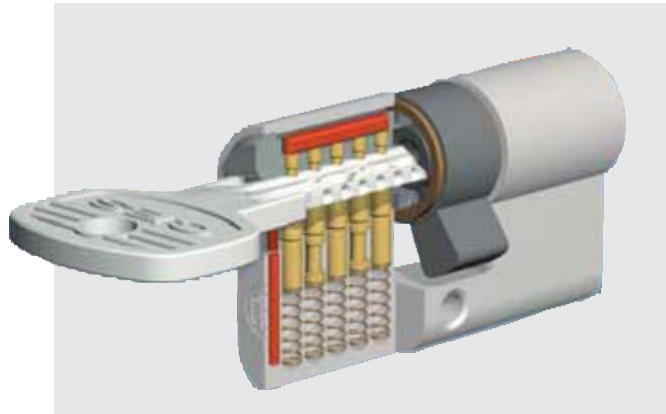


Conventional profile cylinder 810 RE 5/6

5- or 6-pin tumblers respectively, and 3 lateral control pins ensure highest locking accuracy. With its high-quality antidrilling and anti-pulling protection (with VdS approval), this is a first class security cylinder. This was also confirmed by the German testing foundation Stiftung Warentest, which in August 2003 awarded the 810 RE 5 cylinder a „SEHR GUT“ (Excellent) rating.



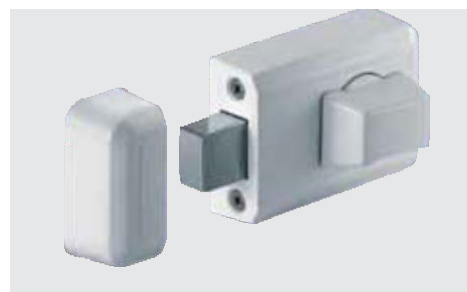
- basic length 55 mm, extension in 4/5 mm increments
- up to 9 locking elements
- special key section, emergency function
- antidrilling and antipulling protection with VdS approval
- satin nickel plated finish (glass bead blast)
- 5 nickel silver keys including purse key
- security card and maintenance/installation instructions
- delivered in a sealed plastic box



Reversible profile cylinder 810 WP

Total security can be affordable, as our entry-level product in the top security class demonstrates. With up to 11 locking elements and an effective antidrilling protection, it meets all requirements of a security cylinder.

- basic length 55 mm, extension in 4/5 mm increments
- up to 11 locking elements
- emergency function
- antidrilling protection
- satin nickel plated finish (glass bead blast)
- 3 nickel silver keys, security card
- delivered in a sturdy package



Locking systems – our speciality

Core element of our product range are locking systems. Generally speaking, a locking system comprises a number of different cylinders that can be operated by one or several higher-order keys or a system including central cylinders (e.g. entrance doors of buildings) that can be operated by a number of different keys (e.g. the keys to the individual apartment doors).

Four aspects must be considered when designing a locking system:

Security

Absolute key control: key blanks are not available in the trade. Additional keys can only be ordered upon presentation of the security card. This prevents any unauthorized duplication of keys. The clear allocation of individual keys to defined persons significantly enhances the security.

Convenience

Instead of many keys, only one key is needed for all doors that a given person is permitted to open.

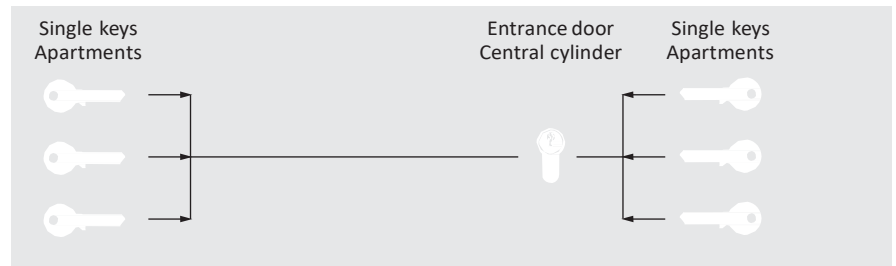
Organization

A locking system can also be used to design processes within an organization. The corporate hierarchy can thus be translated into access authorizations.

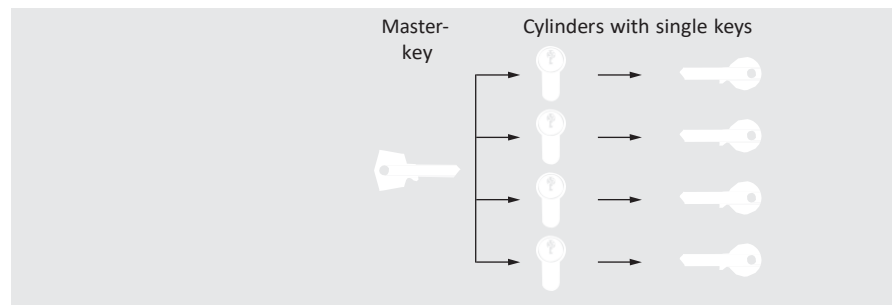
Electronics

Particularly sensitive areas call for electronic security solutions. The electronic components supplied by CES can be integrated in the mechanical locking systems.

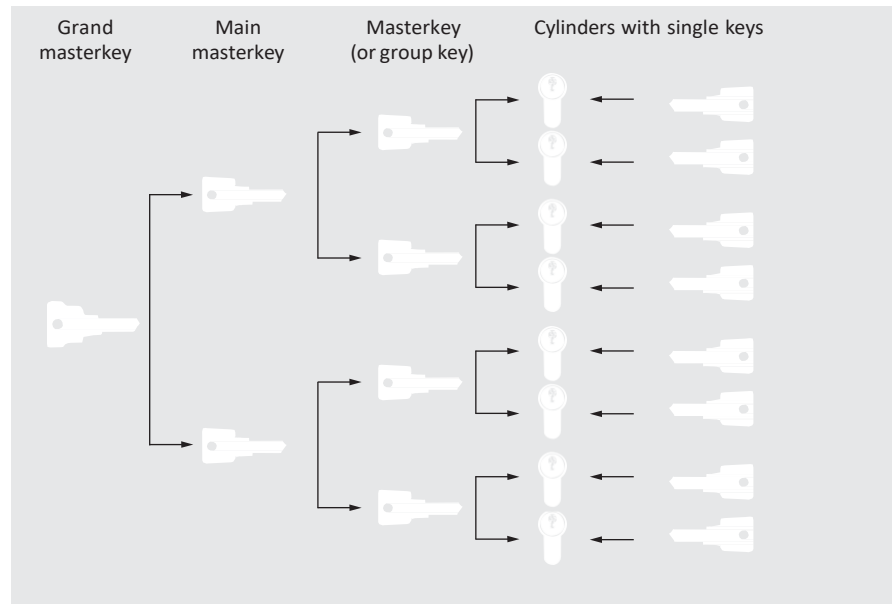
Central locking system



Masterkey system



Grand masterkey system



CES offers for various demands different key section series. Conventional systems and systems with reversible key. Patent protected key section series and key section series with unlimited protection of trademark.

General design

- basic lengths
 - 5-pin cylinder 27.5 mm/27.5 mm
 - 6-pin cylinder 31.5 mm/31.5 mm
 - 7-pin cylinder 35.5 mm/35.5 mm
 - extension in 4/5 mm increments
- different finishes available, see page 17
- different knobs with different materials and finishes available, see page 17
- for quality reasons within key systems we generally deliver keys of nickel silver
- anti-drilling/anti-pulling protection available, see page 17



SP
conventional
patent protected
wide range of variations
5-, 6- or 7-pin key system



WZ
reversible key
up to 19 locking elements
patent protected
wide range of variations
5-pin key system



KM
conventional,
trademark protected
wide range of variations
5-, 6- or 7-pin key system



WM
reversible key
trademark protected
up to 25 locking elements
wide range of variations
5-, 6- or 7-pin key system



Locking systems – our speciality

The following table shows how to order the requested cylinders.

For example*

Key section series



SP	5-pin cylinder	810 SP5	8511/2 SP5	815 SP5
KM	5-pin cylinder	810 KM5	8511/2 KM5	815 KM5
WZ	5-pin cylinder	810 WZ5	8511/2 WZ5	815 WZ5
WM	5-pin cylinder	810 WM5	8511/2 WM5	815 WM5

Order Specifications

double cylinder
art. no. 810 ...
length inside
length outside
finish

number of keys
option antidrilling/anti-pulling protection

half cylinder
art. no. 8511/2 ...
length

finish

number of keys
option antidrilling/anti-pulling protection

knob cylinder
art. no. 815 ...
length knobside
length keyside
cylinder finish
knob shape/finish
number of keys
option antidrilling/anti-pulling protection

The following table shows how to order the requested cylinders.

For example*

Key section series



SP	5-pin cylinder	215N SP5	5558/30 SP5	30 SP5
KM	5-pin cylinder	215N KM5	5558/30 KM5	30 KM5
WZ	5-pin cylinder	215N WZ5	5558/30 WZ5	30 WZ5
WM	5-pin cylinder	215N WM5	5558/30 WM5	30 WM5

Order Specifications

pad lock
art. no. 215N ...
shackle height
number of keys

cam cylinder
art. no. 5558/30 ...
closing direction
number of keys

rim cylinder
art. no. 30 ...
finish
number of keys

* 6- and 7-pin cylinders accordingly, further cylinder types available, see pages 24-29

Service key systems

Self-Assembling

CES offers their partners for more flexibility the possibility of self-assembling of masterkey and grand masterkey systems in special key section series. The cylinders are delivered pre-loaded and could be assembled very easily for the calculated system.

Two special key section series are available:

- **PSM** (conventional),
patented until 2017
- **WSM** (reversible key system),
patented until 2020

Necessary equipment

- Key cutting machine
- Engraving machine or engraving equipment
- Special software for calculating and storage of the technical data of the key system

With the systems PSM or WSM and with the necessary equipment our partners are in a position to assemble key systems up to a certain size or degree of difficulty in one or more reserved key sections by themselves.

For huge-sized masterkey systems CES offers their partners the possibility to order service key systems which are manufactured by CES. Together with the delivery of the service key systems CES furnishes their partners with all the necessary data that the partner is able to offer the after sales services such as self-assembling of replacement and extension cylinders and the cutting of keys.

CES offers the necessary training of the partner's staff.

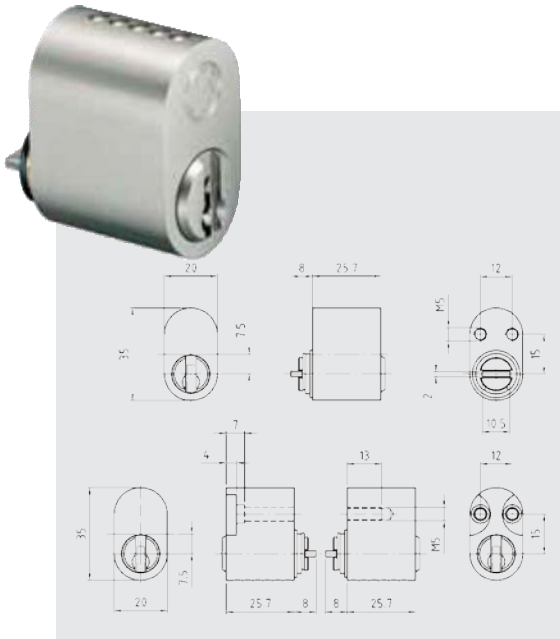


The advantages

- With a little storage of frequently used cylinder components CES partners could react flexible to the customers requests.
- As no other dealer in the same area receives this reserved key section series CES partners could establish long term customer relationships.

Other European cylinder profiles

Scandinavian, swiss and british versions



CES cylinder no. 5746

scandinavian version

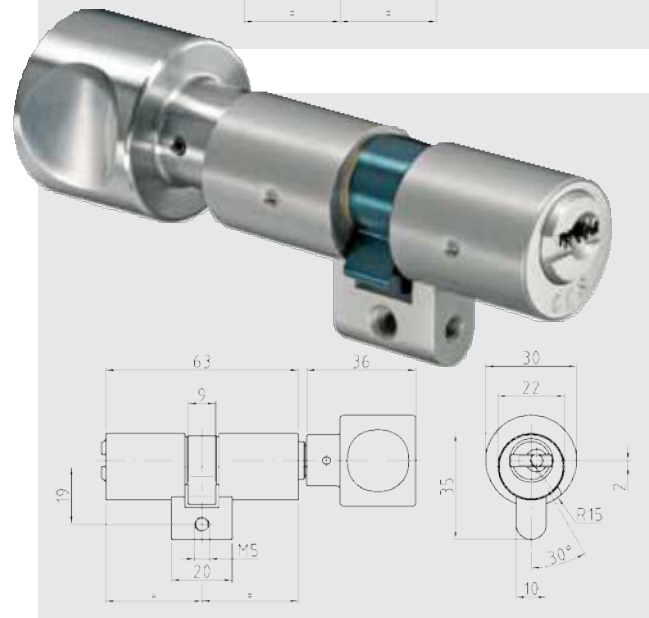
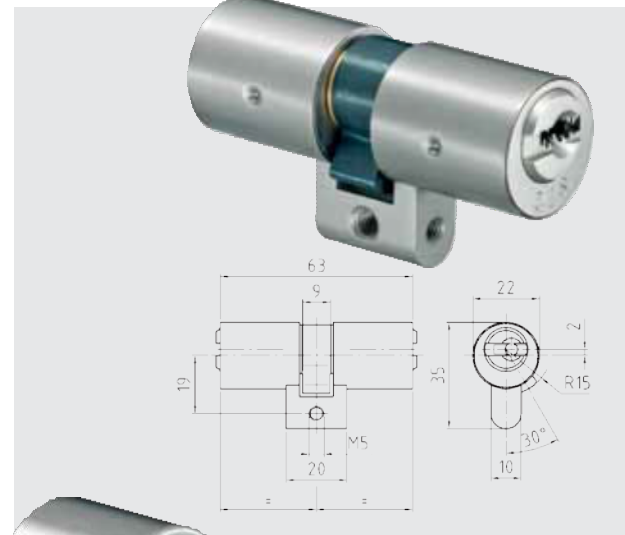
- length 25.7 mm or 30.7 mm
- 5 pin tumblers
- solid brass, finishes see page 17
- 3 keys of brass or steel nickel plated, within key systems nickel silver
- 60.000 different key changes possible (standard key)
- function:
 - keyed different or keyed alike,
 - within masterkey system,
 - within grand masterkey system

CES cylinder no. 5746/31

scandinavian version

inside cylinder –

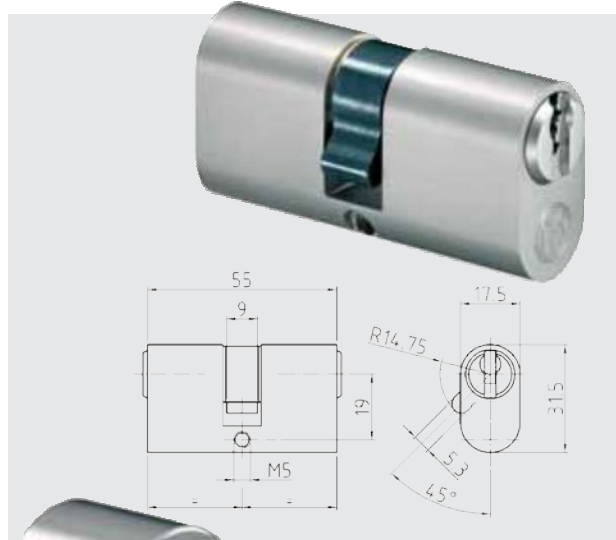
suitable to 5746 as double cylinder set



CES double cylinder no. 610

swiss version

- basic length 63 mm, extension in 4/5 mm increments
- 5 pin tumblers each side
- solid brass, finishes see page 17
- 3 keys of nickel silver
- 30.000 different key changes possible (standard key)
- function: keyed different or keyed alike, within masterkey system, within grand masterkey system
- with fixing screw

**CES oval double cylinder no. 710**

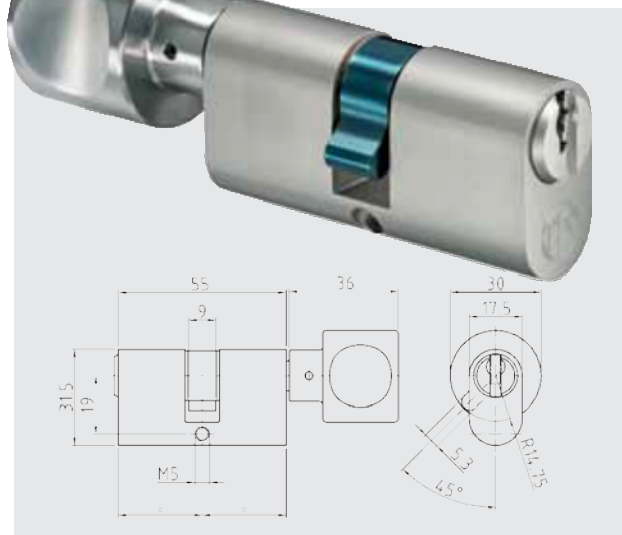
british version

- basic length 55 mm, extension in 4/5 mm increments
- 5 pin tumblers each side
- solid brass, finishes see page 17
- 3 keys of brass or steel nickel plated, within key systems nickel silver
- 60.000 different key changes possible (standard key)
- function: keyed different or keyed alike, within masterkey system, within grand masterkey system
- with fixing screw

CES knob cylinder no. 615

swiss version

- basic length 63 mm, extension in 4/5 mm increments
- 5 pin tumblers
- solid brass, finishes see page 17
- 3 keys of nickel silver
- different knob shapes/materials
- 30.000 different key changes possible (standard key)
- function: keyed different or keyed alike, within masterkey system, within grand masterkey system
- with fixing screw

**CES oval knob cylinder no. 715**

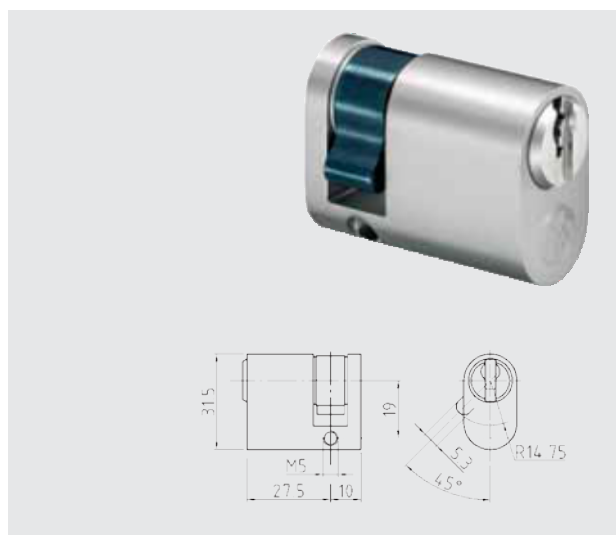
british version

- basic length 55 mm, extension in 4/5 mm increments
- 5 pin tumblers
- solid brass, finishes see page 17
- 3 keys of brass or steel nickel plated, within key systems nickel silver
- different knob shapes/materials
- 60.000 different key changes possible (standard key)
- function: keyed different or keyed alike, within masterkey system, within grand masterkey system
- with fixing screw

CES half cylinder no. 651 1/2

swiss version

- basic length 41,5 mm, extension in 4/5 mm increments
- 5 pin tumblers
- solid brass, finishes see page 17
- 3 keys of nickel silver
- follower adjustable in 12 positions
- 30.000 different key changes possible (standard key)
- function: keyed different or keyed alike, within masterkey system, within grand masterkey system
- with fixing screw

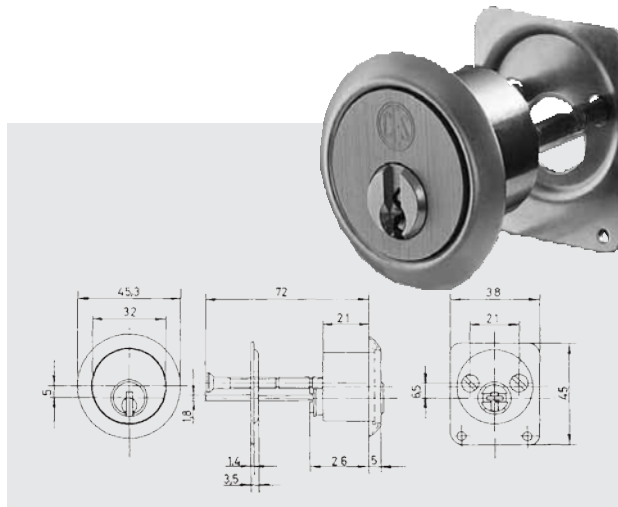
**CES oval half cylinder no. 751 1/2**

british version

- basic length 37,5 mm, extension in 4/5 mm increments
- 5 pin tumblers
- solid brass, finishes see page 17
- 3 keys of brass or steel nickel plated, within key systems nickel silver
- 60.000 different key changes possible (standard key)
- function: keyed different or keyed alike, within masterkey system, within grand masterkey system
- with fixing screw

Further cylinder types and cabinet locks

Combination with profile cylinders possible

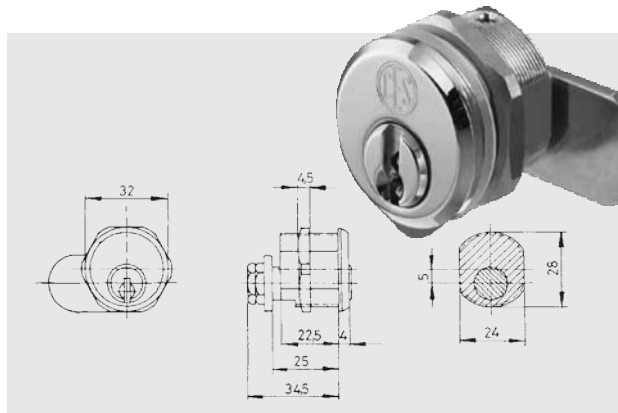
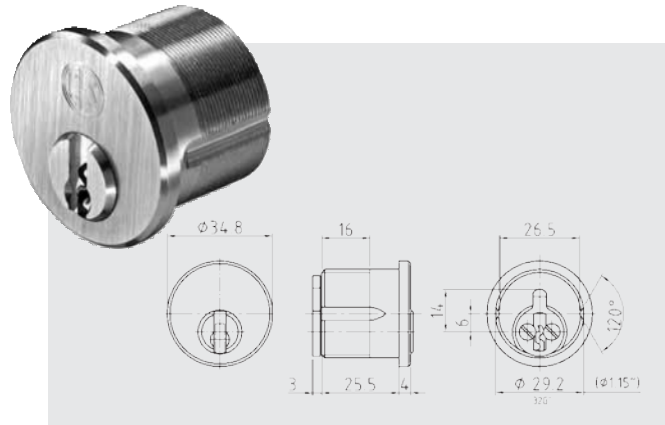


CES rim cylinder no. 30

- cylinder brass, satin nickel plated
- 5 pin tumblers
- 60.000 different key changes possible (standard key)
- 3 keys of brass or steel nickel plated, within key systems nickel silver
- function: keyed different or keyed alike, within masterkey system, within grand masterkey system
- accessories: escutcheon, fixing plate, screws

CES mortise cylinder no. 5875

- cylinder brass, satin nickel plated
- 5 pin tumblers
- 60.000 different key changes possible (standard key)
- 3 keys of brass or steel nickel plated, within key systems nickel silver
- function: keyed different or keyed alike, within masterkey system, within grand masterkey system

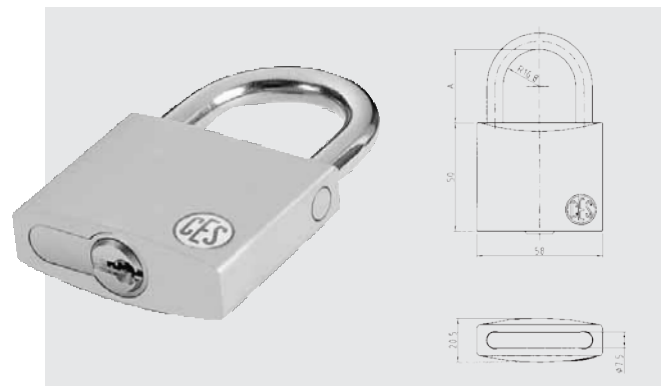


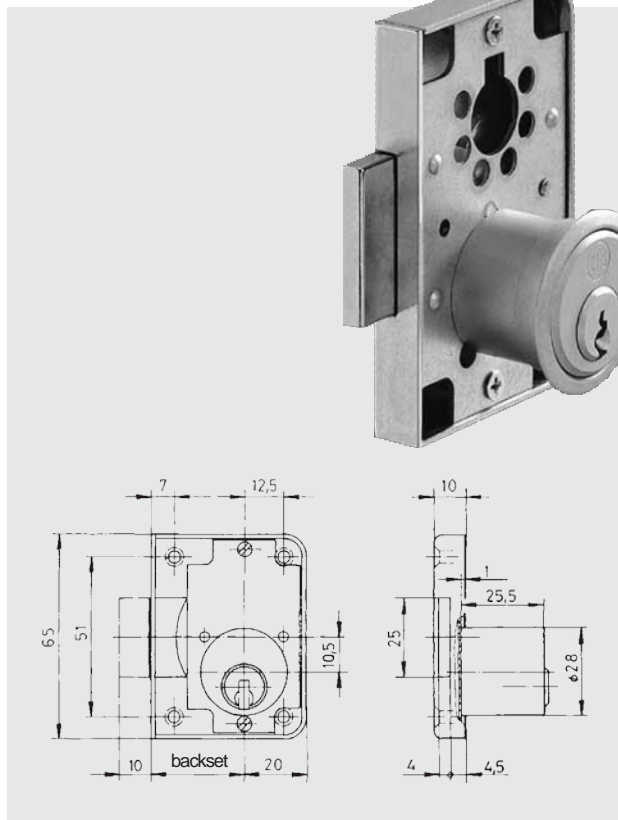
CES cam cylinder no. 5558/30

- cylinder solid brass, polished nickel plated
- 5 pin tumblers
- 60.000 different key changes possible (standard key)
- 2 keys of brass or steel nickel plated, within key systems nickel silver
- key rotation 90°
- key removable only in locked position
- function: keyed different or keyed alike, within masterkey system, within grand masterkey system
- 8 different directions, see page 34
- further cams available

CES pad lock no. 215N

- 58 mm width
- shackle height 35 mm
- case solid brass, chrome plated
- 5 pin tumblers
- 60.000 different key changes possible (standard key)
- 2 keys of brass or steel nickel plated, within key systems nickel silver
- function: keyed different or keyed alike, within masterkey system, within grand masterkey system
- further shackle heights available



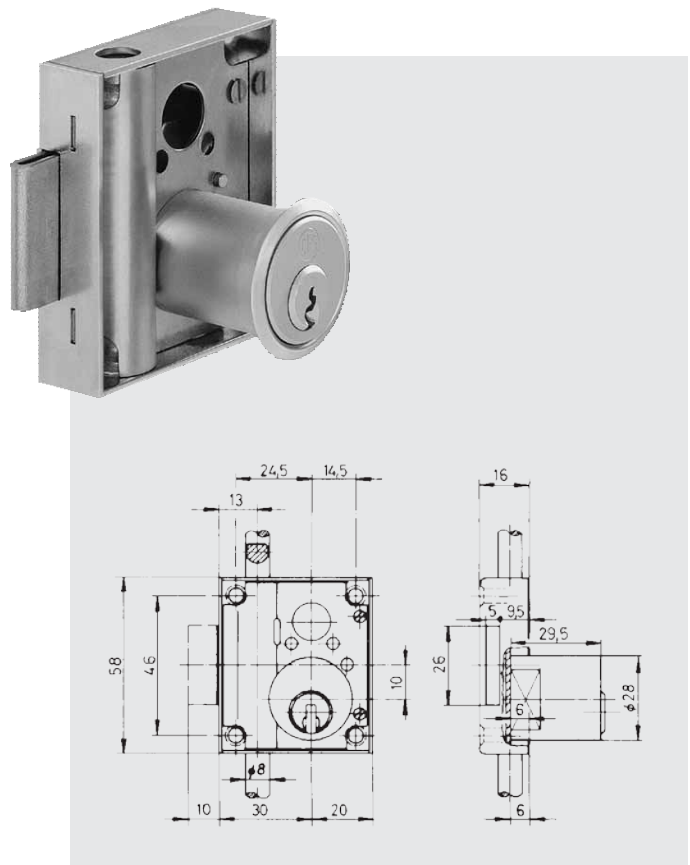


CES cabinet lock for furniture no. 4146

- lock case steel, nickel plated
- backset 25-40 mm
- cylinder brass, satin nickel plated
- 5 pin tumblers
- 60.000 different key changes possible (standard key)
- 2 keys of brass or steel nickel plated, within key systems nickel silver
- cylinder length 25 mm, diameter 28 mm
- further lengths: 30, 35, 40 mm
- function: keyed different or keyed alike, within masterkey system, within grand masterkey system
- accessories: escutcheon
- reversible for left, right hand, drawer or head position
- figure shows right hand lock

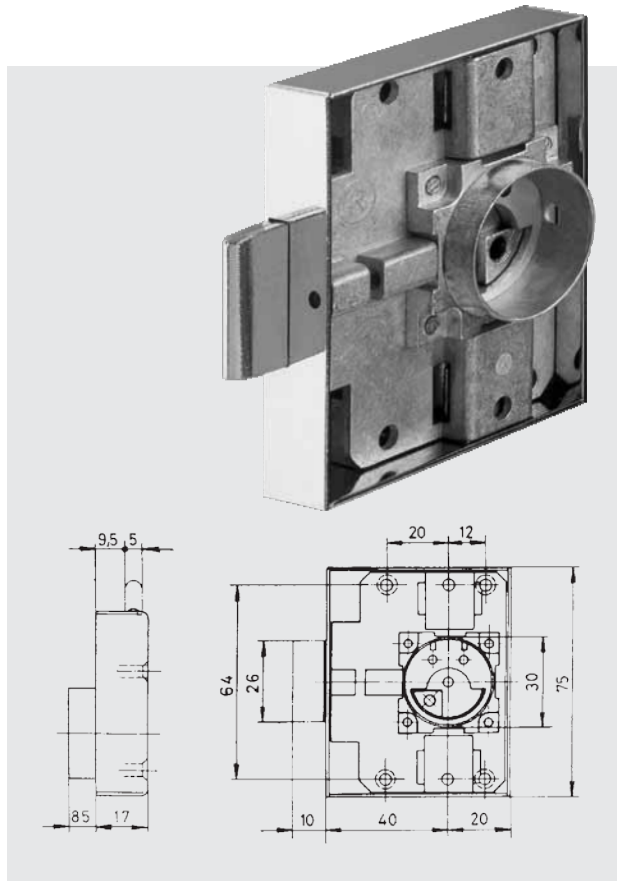
CES espagnolette lock no. 4134

- lock case steel, nickel plated
- backset 30 mm
- cylinder brass, satin nickel plated
- 5 pin tumblers
- 60.000 different key changes possible (standard key)
- 2 keys of brass or steel nickel plated, within key systems nickel silver
- cylinder length 30 mm (up to 23 mm door thickness), diameter 28 mm
- further lengths: 35 mm (up to 28 mm door thickness), 40 mm (up to 33 mm door thickness)
- function: keyed different or keyed alike, within masterkey system, within grand masterkey system
- accessories: escutcheon, catch hooks, rod guides, striking plate, locking bolt with rods for 200 cm door height (further lengths available)
- available for left or right hand, not reversible
- figure shows right hand lock



CES special cabinet lock range

Combination with profile cylinders possible

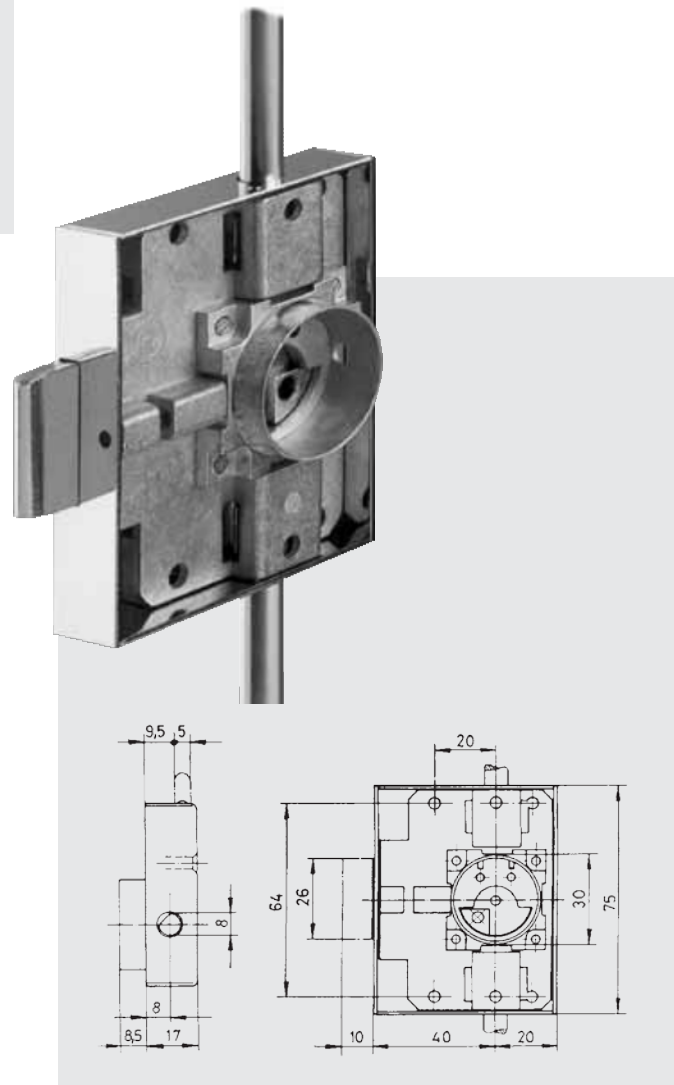


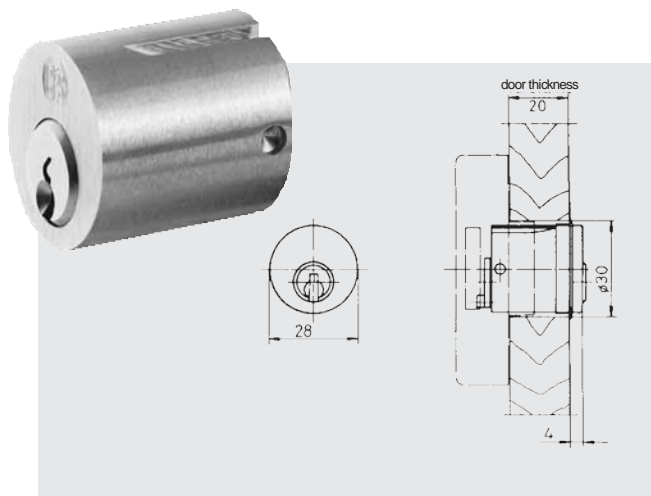
CES cabinet lock no. 3013

- lock case steel, nickel plated
- backset 40 mm
- for subsequent fitting of olives and cylinder 328
- fitting note: 30 mm bore
- accessories: nickel plated angled striking plate
- available for left, right hand, drawer or head position, not reversible
- figure shows right hand lock

CES espagnolette lock no. 3003

- lock case steel, nickel plated
- backset 40 mm
- for split section rod
- for subsequent fitting of olives and cylinder 328
- fitting note: 30 mm bore
- accessories: catch hooks, rod guides, striking plate, locking bolt with rods for 200 cm door height (further lengths available)
- available for left or right hand, not reversible
- figure shows right hand lock



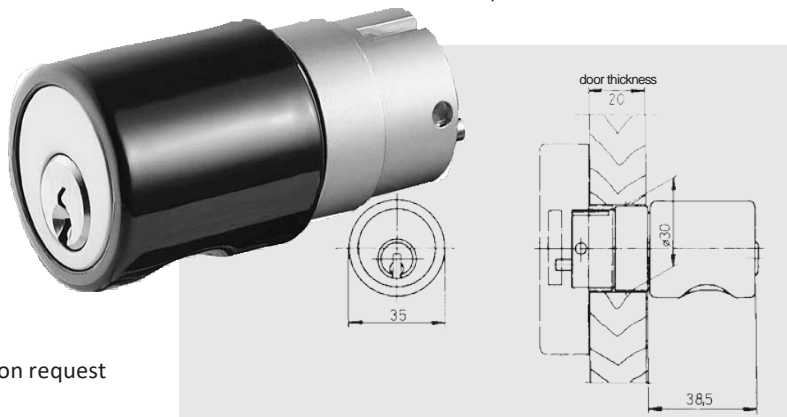


CES cylinder no. 328

- cylinder brass, satin nickel plated
- 5 pin tumblers
- 60.000 different key changes possible (standard key)
- 2 keys of brass or steel nickel plated, within key systems nickel silver
- cylinder length 30 mm, diameter 28 mm
- up to 23 mm door thickness
- up to 28 mm or 33 mm door thickness upon request
- function: keyed different or keyed alike, within masterkey system, within grand masterkey system
- accessories: escutcheon
- suitable for locks article 3003, 3013

CES olive with cylinder no. 6037/41

- cylinder brass
- housing nylon, 13 different HEWI colors
- 5 pin tumblers
- 60.000 different key changes possible (standard key)
- 2 keys of brass or steel nickel plated, within key systems nickel silver
- up to 23 mm door thickness
- up to 28 mm or 33 mm door thickness upon request
- function: keyed different or keyed alike, within masterkey system, within grand masterkey system
- suitable for locks article 3003, 3013
- ✂ available for left or right hand



In addition to the cylinder and lockable knob as illustrated, this special cabinet lock range includes a turnable non-locking knob (non-key-operation), and a fixed knob (used on doors held by magnetic catches or similar).

The cylinder no. 328 and the lockable knob 6037/41 are compatible with CES profile and special cylinders both in standard key section and in masterkey system.

The conclusive advantage:

Cabinets furnished with articles no. 3003 or 3013 can subsequently be equipped without any problem with cylinders, locking or non-locking knobs as required.

Cylinders and knobs can be fitted later without any need to dismantle the lock.

CES electronic security systems



Electronic cylinders

CES-OMEGA is an electronic locking and organization system based on proven locking cylinder and state-of-the-art transponder technology. CES-OMEGA permits an easy integration of various security applications into a total security engineering solution incorporating the locking system. CES-OMEGA locking media such as keys, cards or key fobs can be used for many existing time-recording, access-control and intruder alarm applications without modification to the existing equipment. Organizational changes can be implemented easily, and lost keys or transponders can be blocked without delay.

OMEGA LEGIC

- LEGIC transponder technology
- variants Time and No Time

OMEGA ACTIVE

- active transponder technology
- offline/online via RF



RFID wall terminals

Compact design for direct fitting on in-wall switch boxes or wall terminals for high-security applications with a discrete design reader outside and a controller unit within the secure area.

OMEGA LEGIC

- LEGIC transponder technology
- variants Time and No Time

OMEGA ACTIVE

- active transponder technology
- offline/online via RF



Transpondermedia

LEGIC locking media are compatible with all conventional and reversible CES key systems.

OMEGA LEGIC

- LEGIC transponder technology

OMEGA ACTIVE

- active transponder technology

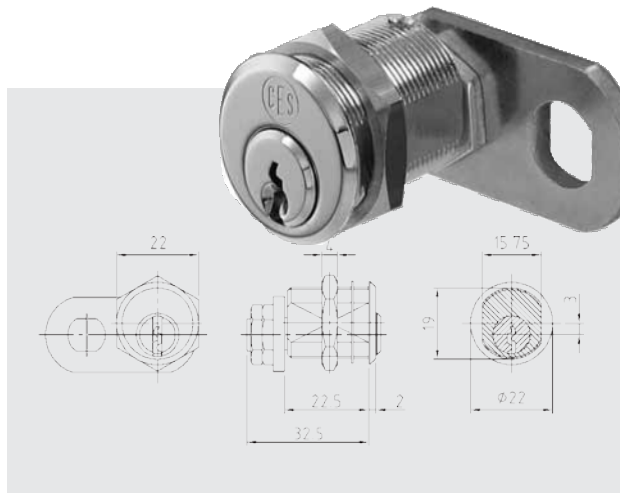


Motorcylinder CEMO/CEMO-NET

CEMO is an electric motor driven locking cylinder, including control system with separated power supply for the automatic locking and unlocking of doors. Can be inserted in all locks capable of accommodating profile cylinders. Compatible with all CES key systems. Supports the opening of locks with transmission bar, some bolt-only locks and some multipoint locking systems.

- CEMO offline/stand-alone
- CEMO-NET online

CES special cylinders/cabinet locks

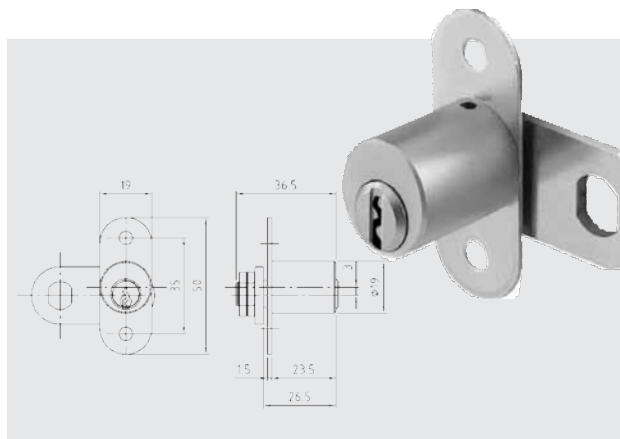
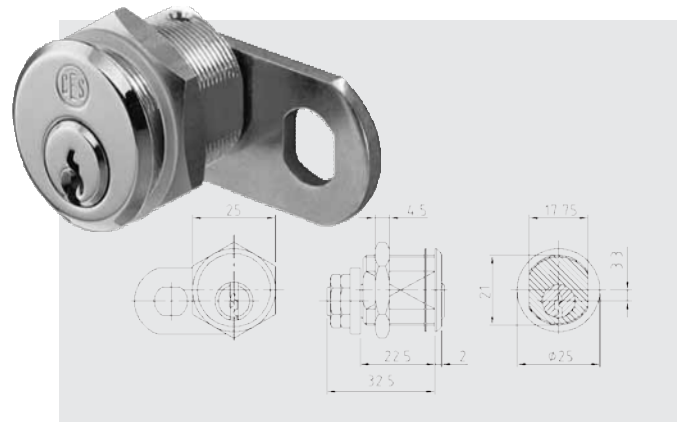


CES cam cylinder no. 5225

- cylinder brass, polished nickel plated
- 5 pin tumblers
- 20.000 different key changes possible (standard key)
- 2 keys of brass or steel nickel plated, within key systems nickel silver
- key rotation 90°
- key removable only in locked position
- function: keyed different or keyed alike, within masterkey system, within grand masterkey system
- 8 different directions, see page 34
- further cams available

CES cam cylinder no. 5256

- cylinder brass, polished nickel plated
- 5 pin tumblers
- 20.000 different key changes possible (standard key)
- 2 keys of brass or steel nickel plated, within key systems nickel silver
- key rotation 90°
- key removable only in locked position
- function: keyed different or keyed alike, within masterkey system, within grand masterkey system
- 8 different directions, see page 34
- further cams available

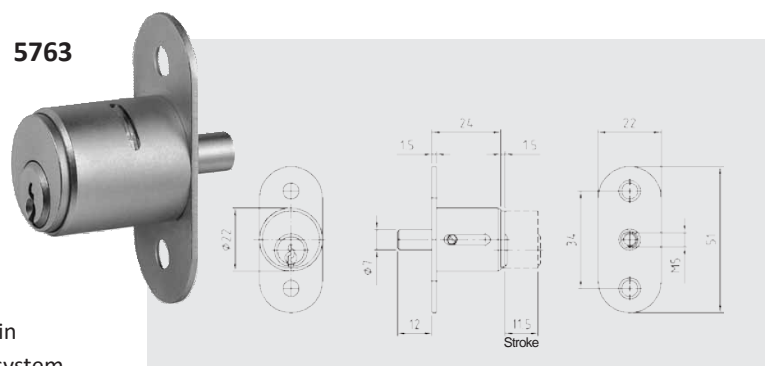


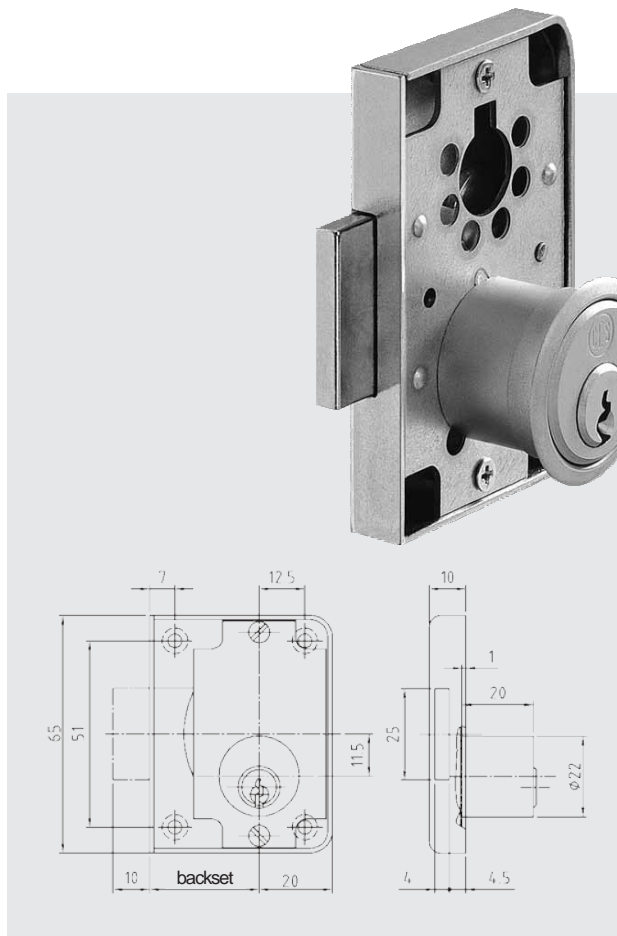
CES cam cylinder no. 5744 (for wooden application)

- cylinder brass, satin nickel plated
- 5 pin tumblers
- 20.000 different key changes possible (standard key)
- 2 keys of brass or steel nickel plated, within key systems nickel silver
- key rotation 90°
- key removable only in locked position
- function: keyed different or keyed alike, within masterkey system, within grand masterkey system
- accessories: escutcheon
- 8 different directions, see page 34

CES push cylinder for sliding doors no. 5763

- cylinder brass, satin nickel plated
- 5 pin tumblers
- 20.000 different key changes possible (standard key)
- 2 keys of brass or steel nickel plated, within key systems nickel silver
- key removable in both positions
- function: keyed different or keyed alike, within masterkey system, within grand masterkey system



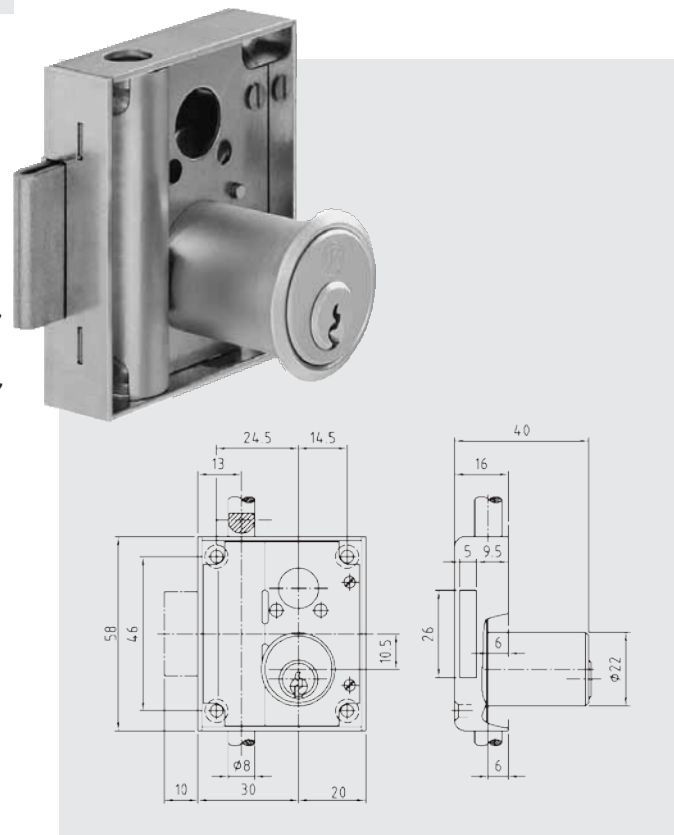


CES cabinet lock for furniture no. 4146

- cylinder brass, satin nickel plated
- lock case steel, nickel plated
- 5 pin tumblers
- 20.000 different key changes possible (standard key)
- 2 keys of brass or steel nickel plated, within key systems nickel silver
- cylinder length 20 mm, diameter 22 mm
- further lengths: 22,25 and 25, 30, 35, 40 mm
- backset 25-40 mm
- function: keyed different or keyed alike, within masterkey system, within grand masterkey system
- accessories: escutcheon
- reversible for left, right hand, drawer or head position
- figure shows right hand lock

CES espagnolette lock no. 4134

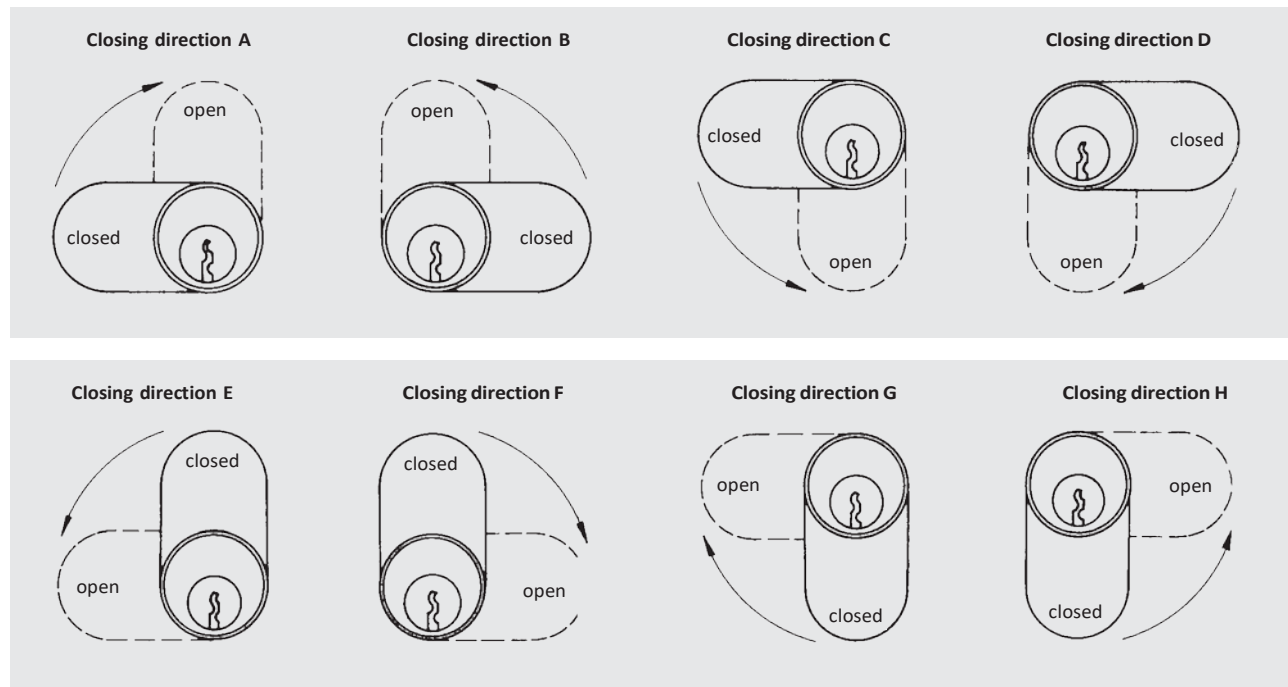
- cylinder brass, satin nickel plated
- lock case steel, nickel plated
- 5 pin tumblers
- 20.000 different key changes possible (standard key)
- 2 keys of brass or steel nickel plated, within key systems nickel silver
- cylinder length 30 mm (up to 23 mm door thickness), diameter 22 mm
- further lengths: 35 mm (up to 28 mm door thickness), 40 mm (up to 33 mm door thickness)
- backset 30 mm
- function: keyed different or keyed alike, within masterkey system, within grand masterkey system
- accessories: escutcheon, catch hooks, rod guides, striking plate, locking bolt with rods for 200 cm door height (further lengths available)
- available for left or right hand, not reversible
- figure shows right hand lock



Articles shown on these pages are not compatible with profile cylinders.

CES closing directions

for articles 5558/30, 5744, 5225, 5256

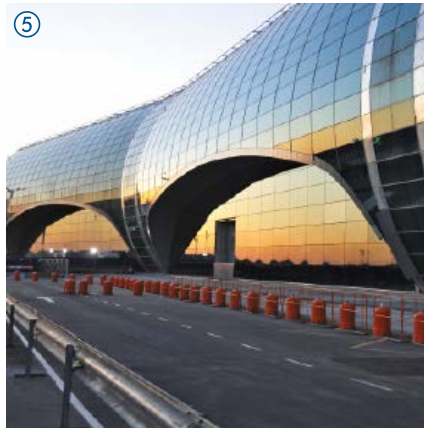
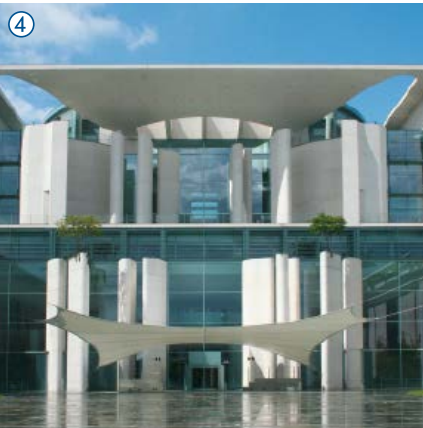
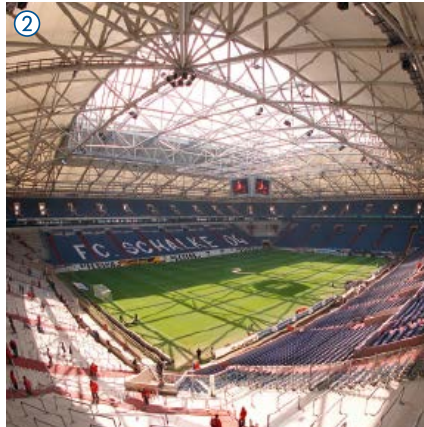


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Internet www.ces.eu





Locking solutions made in Germany



- ① Reichstag, Berlin/Germany
- ② Veltins Arena „AufSchalke“, Gelsenkirchen/Germany
- ③ Burj Khalifa, Dubai/UAE
- ④ Bundeskanzleramt, Berlin/Germany
- ⑤ Airport Scheremetjewe 3, Moscow/Russia

CES – the oldest German manufacturer of cylinder locks

C.Ed. Schulte GmbH – known globally as CES – is the oldest manufacturer of cylinder locks in Germany dating back to the beginning of the nineteenth century. According to Velbert City archives, the company was founded in 1840 by Heinrich Schulte whose father had run a locksmith shop since 1816. Heinrich’s successor, Carl Eduard Schulte, then gave the company the name it still so proudly bears today. Based in the West of Germany next to Düsseldorf the company has established itself as a leading manufacturer of mechanical, electronic and mechatronic security systems for use in the most demanding commercial and residential applications.

Our Products

CES core strengths lie in our extensive range of locking systems, complemented by our standard and high security profile cylinders, as well as our furniture and specialist cylinder range. With the addition of our quality lock ranges to suit all the most

demanding criteria, we have a complete security solution.

CES products combine the highest level of quality and precision, offering the operators convenience and a maximum level of security. CES are able to provide the perfect solution for any requirement and in any field of application but particularly in the field of master key planning and implementation where CES have planned, manufactured and delivered some of the most highly complex and comprehensive systems globally.

Proven Solutions

Whatever the project, CES are sure to provide a solution for even the most demanding application. Our expertise lends itself whatever the requirement – from sporting arenas requiring a complex mechanical solution, public buildings through to hotels requiring a combined mechanical and electronic access solution.



CES key section series

Simple master key: RS5



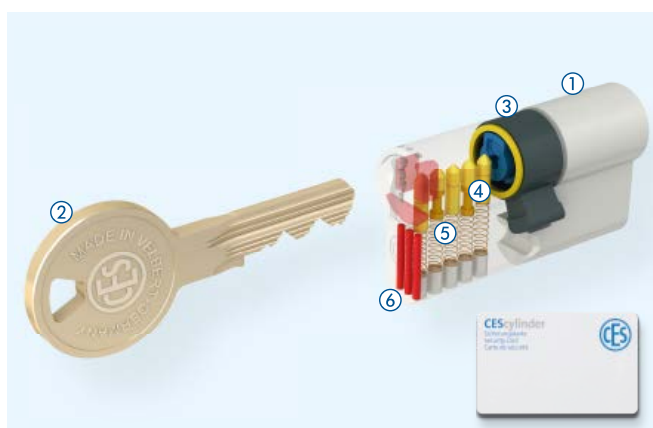
- 5 pin conventional cylinder
- Tested to EN 1303 - 2005
- Basic length 27.5/27.5 mm
- Keys steel nickel plated

Key section series U5



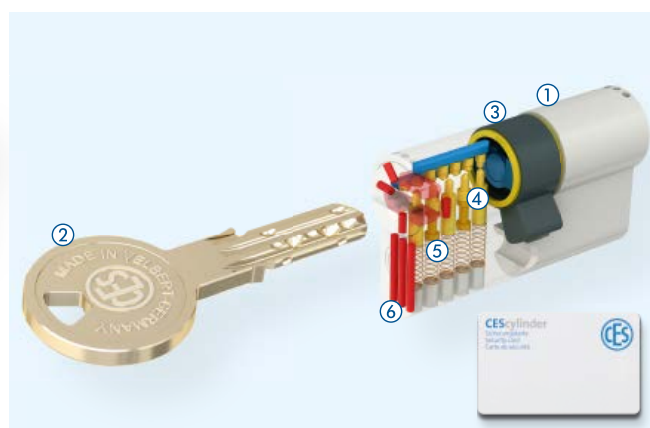
- 5 pin conventional cylinder
- Solid nickel silver keys
- Tested to EN 1303 - 2005
- Basic length 27.5/27.5 mm
- Different finishes available: SNP, chrome plated, polished brass, bronze, and many others
- Supplied with security cards
- Restricted key profiles

Master key system PSM6



- 6 pin conventional system
- Solid nickel silver keys, 3.5 mm thick
- Tested to EN 1303 – 2005
- Basic length 31.5/31.5 mm
- Patent protected profiles until 2029
- Different finishes available: SNP, chrome plated, polished brass, bronze, and many others
- Supplied with security cards

Master key system WSM, reversible key



- 5 pin reversible system
- Solid nickel silver keys, 3.0 mm thick
- Tested to EN 1303 – 2005
- Basic length 27.5/27.5 mm
- Patent protected profiles until 2029
- Different finishes available: SNP, chrome plated, polished brass, bronze, and many others
- Supplied with security cards

① Body and plug: solid brass ② Solid nickel silver key ③ Sintered steel cam, EN 1303, prevents pulling
 ④ Anti-drilling plug pins at all positions ⑤ At least one housing pin hardened, protects from drilling
 ⑥ Optional: different hard-metal inserts, see page 9

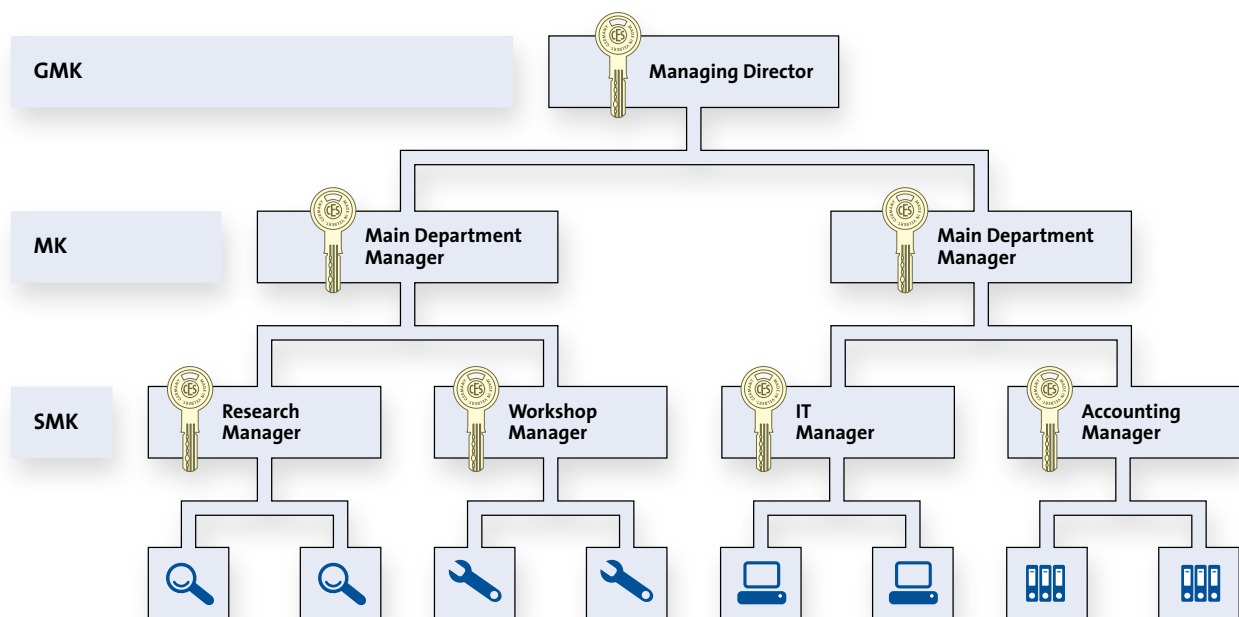
CEScylinder

One key for all (Master Key System)

A locking system is used whenever more than one door is to be locked and unlocked. Locking systems can also serve as an organisational tool since they allow the implementation of hierarchically structured access authorizations.

A locking system should always be planned in close cooperation between the developer and the planning office. Only this will ensure that an ideal structure is found that affords the flexibility to make changes and extensions even years after its initial installation.






Which type of locking system is installed depends on the specific requirements.









ANSI cylinders and Europrofile cylinders under one master key system

CES is the only manufacturer offering ANSI SFIC and Europrofile cylinders under one master key system. Key systems are also available for furniture, pad locks, cam cylinders, etc.



Cylinder Type		Double	Half	Knob	Padlock	Rim
						
	CES code	810	851 1/2	815	215 N	30
Key Section	RS5	810-RS5	851 1/2-RS5	815-RS5	215 N-RS5	30-RS5
	U5	810-U5	851 1/2-U5	815-U5	215 N-U5	30-U5
	PSM6	810-PSM6	851 1/2-PSM6	815-PSM6	215 N-PSM6	30-PSM6
	WSM	810-WSM	851 1/2-WSM	815-WSM	215 N-WSM	30-WSM

Cylinder Type		Mortise	Key-in-knob	Interchangeable Core	British Oval	Cam cylinder	Profile Insert
							
	CES code	5875	6227	6240	710	5558/30	802/30
Key Section	RS5	5875-RS5	6227-RS5	n.a.	710-RS5	5558/30-RS5	802/30
	U5	5875-U5	6227-U5	n.a.	710-U5	5558/30-U5	802/30
	PSM6	5875-PSM6	6227-PSM6	6240-PSM6	710-PSM6	5558/30-PSM6	802/30
	WSM	5875-WSM	6227-WSM	n.a.	n.a.	5558/30-WSM	802/30

CEScylinder

ANSI



SFIC cylinder No. 6240
Small Format Interchangeable
Core



Knob set cylinder No. 6227
Typical US style knob set cylinder
in other sizes/variants available



Mortise cylinder No. 5875



Rim cylinder for night latches
No. 30

International



UK oval double cylinder No. 710
basic length: 55 mm
5 and 6 pin system



Swiss double cylinder No. 610
Basic length: 63 mm
5 and 6 pin system
only for reversible key systems



Scandinavian cylinder No. 5746
outside version
basic length: 25,7 mm
5 and 6 pin system



Scandinavian cylinder No. 5746/31
inside version
(without picture)

Europrofile



Double cylinder No. 810
Basic length 27,5/27,5 mm
Single cylinder No. 851 1/2
Basic length 27,5 mm
Follower adjustable in 12 positions



Knob cylinder No. 815
Basic length 27,5/27,5 mm
One side locking, on other side
aluminium knob, shape H, F1



Cylinder padlock No. 215 N
Stainless steel shackle
Housing 58 mm wide, 50 mm high
Latches without locking
Shackle clearance 35 mm



Cam cylinder No. 5558/30
Locking movement 90°
Locking direction as desired
Fitting dimension 25 mm

Specials



Dual Action cylinder No. 8710
The dual action function allows to
operate the cylinder with one key
whilst another key is inserted on
the other side of the cylinder.



Cylinder with janitor function
No. 810/59
Master key operates bolt and
latch. Single key operates the
latch only. For hotel interconnect-
ing doors, schools etc.



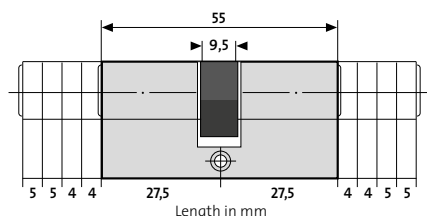
Anti barricade cylinder No. 815/140
Can be used to unlock the door
even if the turn is being blocked
inside.
Classroom cylinder No. 815/141
Turn on the inside can never
throw or activate the dead bolt. In
case of emergency the turn will al-
ways unlock the door from inside.



Profile insert No. 802/30
Basic length 27,5/27,5 mm
Inside with knob/other side with
coin, screw driver etc. (emergency
function)

Anti-drilling and anti-pulling protection

To prevent forcible opening of doors in high-risk areas, several highly effective anti-drilling protection and anti-drilling/anti-pulling protection features are available. CES also offers effective solutions to foil picking attempts, including picking by the so-called percussion method.



Cylinder finishes

Cylinders are available in a wide range of finishes e.g. satin nickel plated, polished brass, polished chrome plated, satin chrome plated, dark bronzed, polished gold plated, stainless steel finish, oil rubbed, white lacquered and many others. Upon request, both cylinder halves can also be supplied in different finishes.

Special features for cylinders

- Wear resistant cylinder
- Sea water resistant cylinder



Cylinder lengths

A/mm	B/mm	Total length
27.5	27.5	55
27.5	31.5	59
27.5	35.5	63
31.5	31.5	63
31.5	35.5	67
35.5	35.5	71
35.5	40.5	76
31.5	45.5	77
35.5	45.5	81
40.5	40.5	81
40.5	45.5	86
45.5	45.5	91
..

Further lengths are possible.
Maximum total length: 151 mm.

Knobs

	Knob H	Knob E	Knob S	Knob CR	Knob CT	Knob ET
aluminium anodized, different colours available	x	x	x			
solid brass, polished	x			x	x	x
stainless steel	x					
solid brass, polished chrome plated	x			x	x	x
solid brass, satin chrome plated	x			x	x	x
solid brass, dark bronzed	x			x	x	x
solid brass, polished gold plated	x			x	x	x
solid brass, satin nickel plated	x			x	x	x

CESlocks

High-class quality locks

CESlocks is the trademark used for marketing the range of door locks within the CES portfolio. With a choice of excellent materials and forend finishes, the product range comprises locks for interior doors, doors of industrial and commercial purposes, tailored solutions for specific requirements and special locks such as for sliding doors of operating theatres.

CES mortise locks for wooden doors

Mortise locks for flush doors, lockcase galvanized, above and below closed, prepared for profile cylinder, with striking plate, reversible.



type	Lock 7734 with transmission bar, medium version
German standard:	DIN 18251-1
available backsets:	45/55/60/65/70/80 mm
distance:	72 mm
follower:	8 mm
forend:	24x235 mm edged or rounded
forend and striking plate:	steel lacquered, brass colour steel lacquered, silver colour stainless steel solid brass, polished
latch bolt:	metal nickel plated
dead bolt:	steel nickel plated
Also available:	with light spring for knob handles lock 7790 – bathroom lock 7700-01 – latch lock lock 7730-02 – dead bolt lock

Lock 9034 with transmission bar, heavy duty version
45/55 mm
85 mm
8 mm, supported in steel ring
23x240 mm edged
stainless steel solid brass, polished
solid brass
solid brass
lock 9090 – bathroom

CESlocks

Premium Class locks

Premium Class locks are tested and certified by the Dortmund materials testing institute MPA according to current standards (DIN 18250, DIN EN 12209 and DIN EN 179). Moreover they have been awarded an Exova Warrington certificate of approval "Certifire". These locks combine a high level of convenience with maximum protection.

Mortise locks for fire doors, series 9100

- for timber doors up to 120 minutes
- for steel doors up to 240 minutes

Backsets 55 to 80 mm



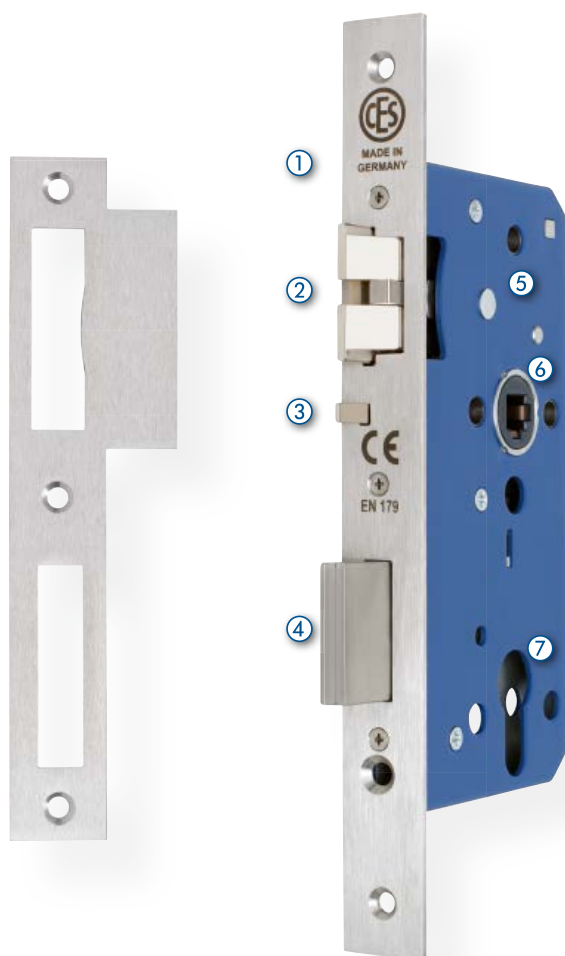
Triple-latchbolt for effortless closing of the door, all-steel latchbolt.

Steel deadbolt, nickel plated, 20 mm throw with 2 key turns.

Steel bushes for protection against chips.

Bushed TENAX clamp follower 8 mm with two leaf springs for simple, zero-backlash fitting of the lever handle.

Optional with Anti-thrust latch as additional latch blocking mechanism, effective up to a door gap of 5,0 mm (DIN specification: 3,5 mm).



- ① Made in Germany
Forend stainless steel 1.4301/AISI 304
High-alloy chrome nickel steel
- ② Triple-latch for an appreciably softer latching that is above all gentle on the door frame
- ③ Anti-thrust latch as mechanical latch blocking mechanism, effective up to a door gap of 5.0 mm
- ④ Massive dead-bolt nickel plated, for panic locks in single-turn design with 20 mm throw
- ⑤ Sound absorbing materials are standard, in the interior, so these locks stand out by their particularly silent latching
- ⑥ Bushed TENAX clamp follower with Leaf springs inside which locate the spindle and insure its perfect fit
- ⑦ Panic locks with anti-blocking function which allow combination with knob cylinders.

Type	<ul style="list-style-type: none"> ■ 9100E Mortise Escape Lock with panic function "E" ■ 9100E-SP Mortise Escape Lock with Anti-thrust latch 	<ul style="list-style-type: none"> ■ 9100 Mortise Sashlock ■ 9100SP Mortise Sashlock with Anti-thrust latch 	<ul style="list-style-type: none"> ■ 9100F Mortise Nightlatch Lock ■ 9100F-SP Mortise Nightlatch Lock with Anti-thrust latch 	<ul style="list-style-type: none"> ■ 9100R Mortise Deadlock ■ 9100WC Mortise Bathroom-Lock
Classification:	EN 179 EN 12209 CE marked: Approved product Certire: Approved product Fire safety: Successful fire test to BS EN 1634-1	EN 12209 CE marked: Approved product Certire: Approved product Fire safety: Successful fire test to BS EN 1634-1	EN 12209 CE marked: Approved product Certire: Approved product Fire safety: Successful fire test to BS EN 1634-1	EN 12209 CE marked: Approved product Certire: Approved product Fire safety: Successful fire test to BS EN 1634-1
Follower:	8 mm			
Available backsets:	55 / 60 / 65 / 70 / 80 mm			
Striking plates:	striking plate art.-no. 0522			

CESlocks

CES mortise locks for narrow frame doors

Mortise locks for narrow frame doors, according to German standard DIN 18251-2, heavy duty version, lockcase galvanized, above and below closed, prepared for profile cylinder, without striking plate, reversible.



type	Lock 5434 with transmission bar
available backsets:	25 mm one-turn, bolt space 15 mm 30/35/40/45 mm special two-turn, bolt space 25 mm
distance:	92 mm
follower:	8 mm
forend:	24x255 mm edged galvanized, silver lacquered stainless steel plastic coated
latch bolt:	steel nickel plated
dead bolt:	steel nickel plated
striking plate:	art.-no. 5729, art.-no. 2524 (6/8/10/12 mm)

type	Lock 5834 with transmission bar (medium version)
available backsets:	20/25/30/35/40/45 mm only one-turn, bolt space 15 mm
distance:	92 mm
follower:	8 mm
forend:	24x245 mm edged galvanized, silver lacquered stainless steel plastic coated
latch bolt:	steel nickel plated
dead bolt:	steel nickel plated
striking plate:	art.-no. 5729, art.-no. 2524 (6/8/10/12 mm)



type	Lock 5630 with roller bolt
available backsets:	30/35/40/45 mm special two-turn, bolt space 25 mm
forend:	24x255 mm edged galvanized, silver lacquered stainless steel plastic coated
dead bolt:	steel nickel plated
striking plate:	art.-no. 5729, art.-no. 2524 (6/8/10/12 mm)

type	Lock 5530 only dead bolt
available backsets:	25 mm one-turn, bolt space 15 mm 30/35/40/45 mm special two-turn, bolt space 25 mm
forend:	24x160 mm edged galvanized, silver lacquered stainless steel plastic coated
dead bolt:	steel nickel plated
striking plate:	art.-no. 5730

CESlocks



type	CES mortise lock 2500
	only latch bolt
backset:	55/60/65 mm
forend:	24x185 mm edged or rounded
	not reversible (left or right hand)



type	CES mortise lock 4730
	with roller bolt
backset:	55 mm
forend:	24x145 mm edged



type	CES mortise lock 4530
	with roller bolt
backset:	55/60/65 mm
forend:	20/24x235 mm edged or rounded



type	CES mortise lock 2730
	only dead bolt
backset:	55/60/65 mm
forend:	20x145 mm edged or rounded



type	CES mortise lock 5830
	for sliding doors
	hook latch
backset:	55 mm
forend:	20x168 mm edged



type	CES mortise lock 9003
	for sliding doors
	with rod locking

CES vario Flex

CES vario Flex allows you to reproduce more than 140 narrow frame mortise locks. All important reference dimensions of the lock, such as the centre distance, the backset and also the frame dimension can be variably adjusted. This way you are well prepared for whichever door situation you are confronted with on site.

The lock case is set for a centre of 92 mm. If a centre of 72 mm is required, the lock case can quickly and easily be adjusted to the correct centre.

The system comprises a lock case with the basic backset of 30 mm. By simply pushing on the adapters included in the package, the backset can be increased from 30 mm through to 45 mm.

The assembly kit also includes dead bolt and latch bolt heads appropriate for the respective backset.

With flat forends and a U-section forend, every possible lock variant can be reproduced. In addition, two reducer sleeves permit a reduction of the follower from 10 to 8 and 9 mm, respectively.



OMEGA FLEX is suited for every organisation

CEStronics offers a range of time- and identity-based access control solutions. Using state-of-the-art radio and transponder technology, CESTronics products afford superior flexibility in the design of access authorizations that offer a maximum of security.

OMEGA FLEX

The electronic access control system OMEGA FLEX is a prime example of user-friendly access management in offices, commercial operations and industrial facilities. Whatever the door situation, the mechatronic OMEGA FLEX components – from battery-operated locking cylinders and fittings through to wall terminals – can be easily installed without expensive alteration measures.

The electronic access control system OMEGA FLEX is user friendly:

- No wiring at the door
- Power supply with long-life battery
- Innovative energy management
- Safe protection against burglary attempts
- Weather resistant
- Fast and simple fitting

OMEGA FLEX is compatible with the following transponder technologies:

- MIFARE® Classic Standard 1k/4K and all ISO 14443 media, DESFire EV1
- LEGIC Prime, Advant

Flexible programming:

- Offline (programming with master media or RF-Stick and Netbook)
- Online (in real time via PC software and Access-Points)
- Or with V-NET function (In the “virtual network”, the access authorizations are stored in the locking media and transmitted to the doors.)
- The variants can also be used in parallel with in one and the same locking system



OMEGA FLEX:
Mechatronic solutions
for every door



Cylinder versions

- **Double knob cylinder**
reader outside and permanently coupled inside.
- **Half cylinder**
suitable e.g. for cabinet locks.
- **Dummy cylinder**
electronic knob on the outside, dummy on the inside without any function.
- **Dual cylinder**
electronic knob on the outside and electronic knob on the inside. For identification with electronic media from both sides.
- **Panic lock double knob cylinder**
with weather resistant electronic knob on the outside and standard mechanical knob on the inside. Integrated panic lock module for the automatic return of the cam.
- **Panic lock dummy cylinder**
electronic cylinder with weather resistant electronic knob on the outside and dummy on the inside as a protection against manipulation. Integrated panic lock module for the automatic return of the cam.

Electronic handle sets

Long shield ILS

Reliable protection:

- All ILS handle sets are weatherproof
- Permitted for doors on escape routes according to EN 179 and EN 1125
- Permitted for fire doors up to fire-resistance rating T120 according to DIN 18273 and DIN EN 1634-1

Optional:

- Emergency mechanical key over-ride
- Burglar-resistant versions, ES2-L according to DIN 18257, SKG*** according to BRL3104/ NEN 5089

Smart shield SIS

Simple retrofitting:

Can be used in conjunction with existing escutcheons and roses.

Optional:

Can be used with interior fire-resistant safety handle set at fire doors with a fire-resistance rating of up to T120 according to DIN 18273 and DIN EN 1634-1.

Wall terminals

Reading range up to 5 cm for ID cards, keys and key fobs.

Versions:

- Wall terminal, compact design for direct fitting on in-wall switch boxes; with contactless transponder technology
- Wall terminal for high-security applications, discrete design with reader outside, evaluation unit within the secured area for direct fitting on in-wall switch boxes
- Optional: reading function both inside and outside

Options:

- Capability of integration in various switch ranges by Merten, Busch-Jäger and Gira
- Capability of integration in Siedle-Vario units
- Weather resistant design



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