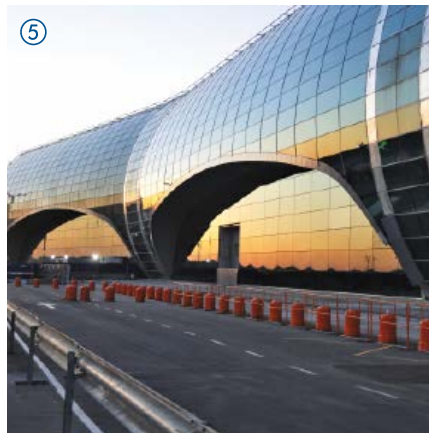
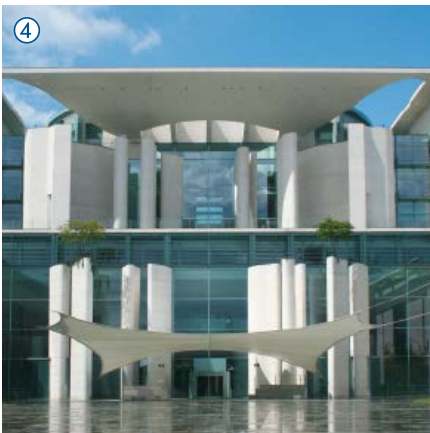
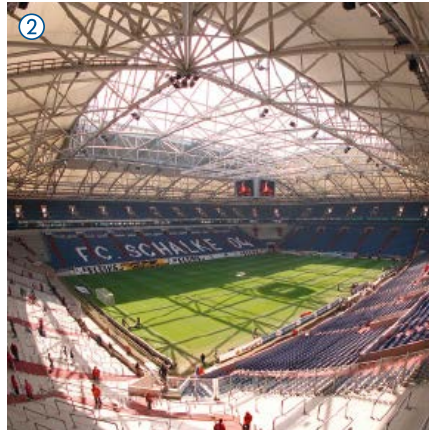
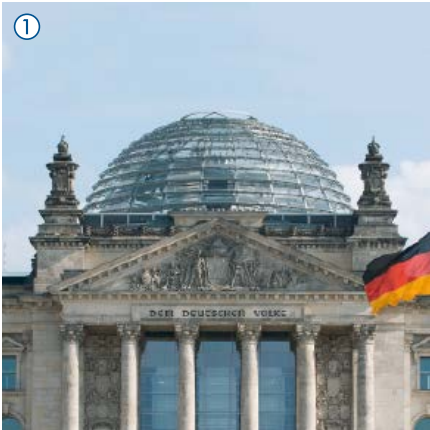




Locking solutions made in Germany



- ① Reichstag, Berlin/Germany
- ② Veltins Arena „Auf Schalke“, Gelsenkirchen/Germany
- ③ Burj Khalifa, Dubai/UAE
- ④ Bundeskanzleramt, Berlin/Germany
- ⑤ Airport Scheremetjewo 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 is 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 has planned, manufactured and delivered some of the most highly complex and comprehensive systems globally.

Proven Solutions

Whatever the project, CES is 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.



MADE IN 
GERMANY
100% designed
and manufactured
in Germany

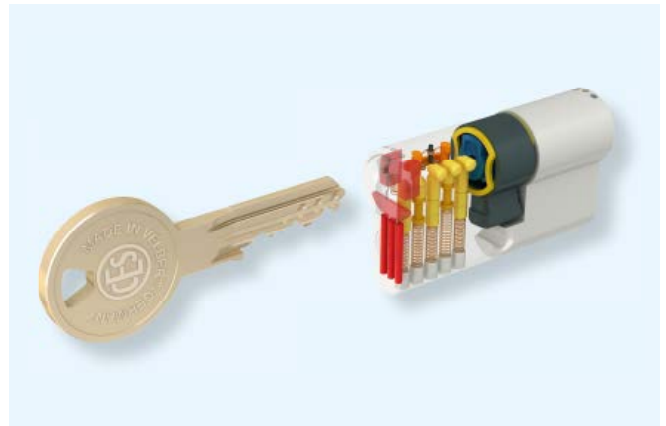
Key systems for the most advanced and complex master key requirements

PSM

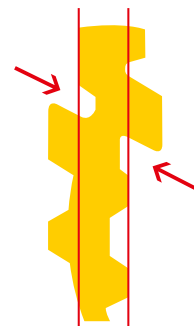


- 3,5 mm nickel silver key – the most resistant key in the market
- Multiple paracentric profile
- High security key – key duplication almost impossible
- Available as 5 pin, 6 pin, and 7 pin system
- Basic length from 27,5/27,5 mm – suitable for glass doors
- ANSI, European and other international standards available
- Supply of key blanks and parts to certified partners as an option
- Patent protected until 2030

DU



- 3,5 mm nickel silver key, with the double undercut technology
- 3D key profile – the highest level of key protection
- Combination of vertical and lateral pins with optional spring enabled lateral blocking bar
- Available in combination with CES OMEGA FLEX access control products
- Available as 5 pin and 6 pin system
- Basic length from 27,5/27,5 mm – suitable for glass doors
- ANSI, European and other international standards available
- Patent protected until 2031

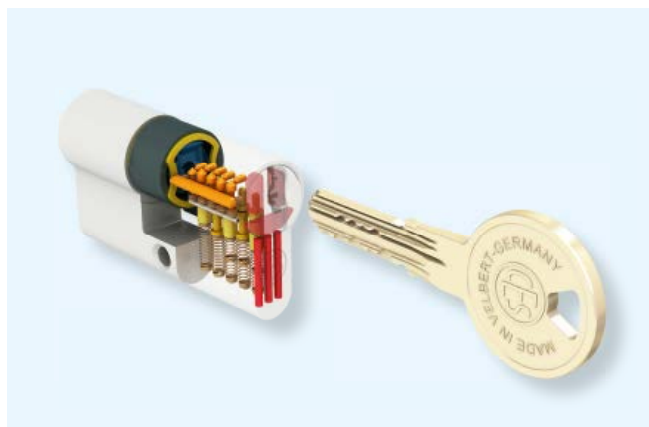


WO

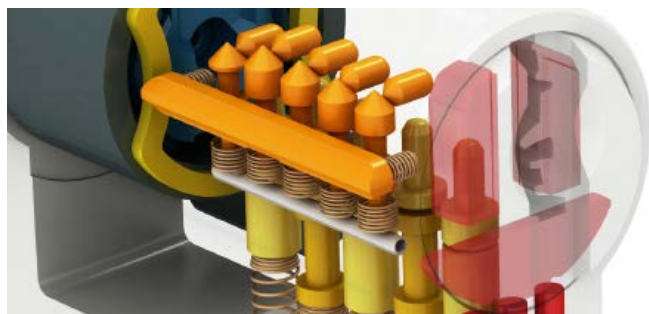


- Reversible key, 3,0 mm thick, nickel silver
- 5 and 6 base pins, with up to 22 pins plus 2 locking bars
- Very easy key insertion due to a specially shaped key tip
- Suitable for security cylinders and for the most complex MK systems
- Patent protected until 2030

WD



- Reversible key system with vertical key insertion
- 3D key based on the CES double undercut technology
- Highest level of cylinder and key protection due to the most advanced international standards
- CES unique locking bar protection based on a 90° spring loaded deflection concept
- 4 horizontal pins scan the correct lateral encoding of the inserted key
- Patent protected until 2031



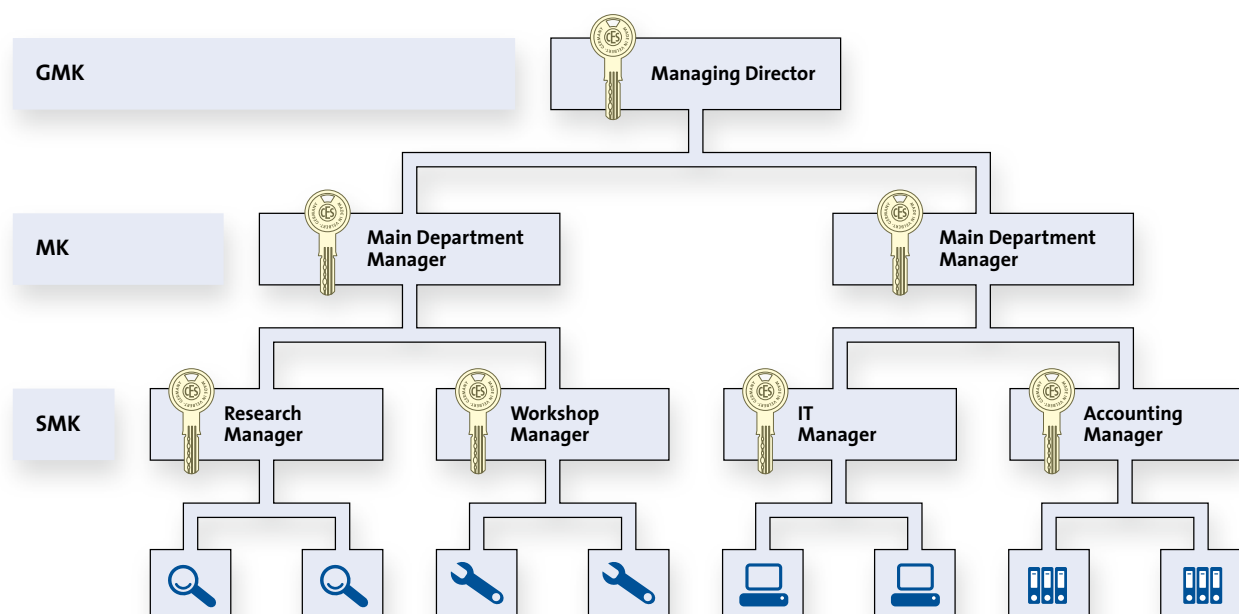
CEScylinder

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	PSM	810-PSM	851 1/2-PSM	815-PSM	215 N-PSM	30-PSM
	DU	810-DU	851 1/2-DU	815-DU	215 N-DU	30-DU
	WO	810-WO	851 1/2-WO	815-WO	215 N-WO	30-WO
	WD	810-WD	851 1/2-WD	815-WD	215 N-WD	30-WD

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	PSM	5875-PSM	6227-PSM	6240-PSM	710-PSM	5558/30-PSM	802/30
	DU	5875-DU	n.a.	n.a.	710-DU	5558/30-DU	802/30
	WO	5875-WO	n.a.	n.a.	710-WO	5558/30-WO	802/30
	WD	5875-WD	n.a.	n.a.	n.a.	5558/30-WD	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, H/NF



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 interconnecting doors,
schools etc.



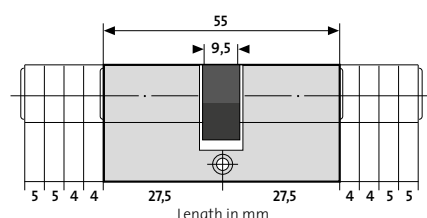
Anti barricade cylinder No. 815/140
Can be used to unlock the door
even if the turn is being blocked
inside.
Classroom cylinder No. 815/141
Turn on the inside can never throw
or activate the dead bolt. In case of
emergency the turn will always un-
lock the door from inside.



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, 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: 340 mm
(Double cylinder CES code 810)

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, satin nickel plated	x			x	x	x

CES 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.

CES OMEGA FLEX

The electronic access control system CES OMEGA FLEX is a prime example of user-friendly access management in offices, commercial operations and industrial facilities. Whatever the door situation, the mechatronic CES 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 CES 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

CES OMEGA FLEX is compatible with the following transponder technologies:

- MIFARE® Classic Standard 8K and all ISO 14443 media, DESFire EV2
- 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



CES 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



Long shield ILS



Smart shield SIS



Wall terminal



Locking medium
key fob



Locking medium
with
combination key



ID card

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

type	Lock 9034 with transmission bar, heavy duty version
available backsets:	45/55 mm
distance:	85 mm
follower:	8 mm, supported in steel ring
forend:	23x240 mm edged
forend and striking plate:	stainless steel solid brass, polished
latch bolt:	solid brass
dead bolt:	solid brass
Also available:	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



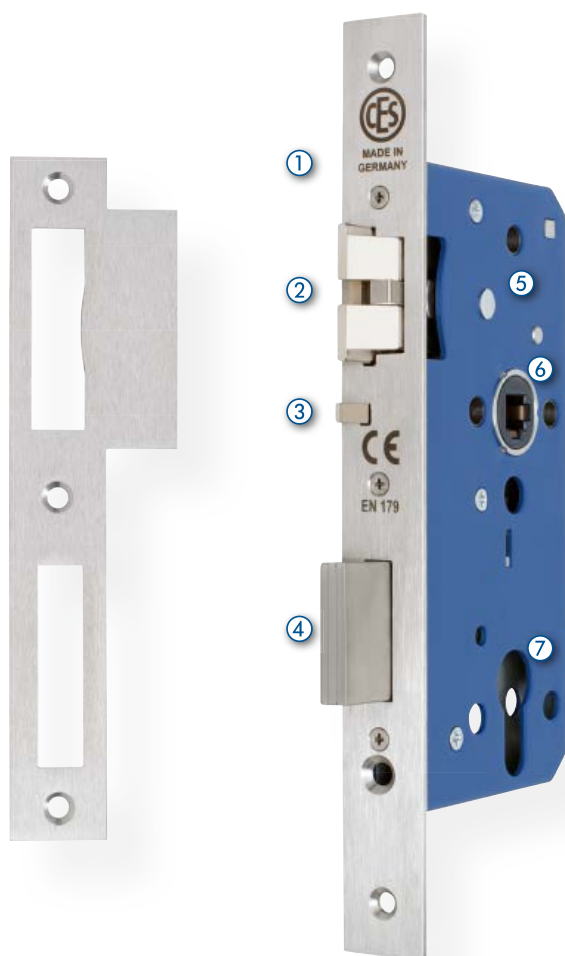
Triple-latchbolt for effortless closing of the door, all-steel latchbolt.

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:	9100E ▶ 0522-16 9100E-SP ▶ 0522-16	9100 ▶ 0522-16 9100SP ▶ 0522-16	9100F ▶ 0504-16 9100F-SP ▶ 0504-16	9100R ▶ 0508 9100WC ▶ 0522-16

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:	26/30 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 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 25/30/35 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:	55/60/65/70/80 mm
forend:	20/24x235 mm edged or rounded



type	CES mortise lock 2730
	only dead bolt
backset:	55/60/65/70/80... up to 210 mm, in 10 mm steps
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



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