

TESA ASSA ABLOY

TESA ASSA ABLOY is the leading Spanish manufacturer and supplier of locking solutions and access control technology for the residential and institutional markets.

TESA ASSA ABLOY presents a wide and exhaustive product range, including panic exit devices, cylinders, security locks, knobs and pull handles, door closers, access control solutions with electronic cylinders, electromechanical and electromagnetic solutions, and armoured doors.

TESA ASSA ABLOY exports its products to such markets as Latin America, Middle East, Europe, Asia Pacific and the North African countries.



ASSA ABLOY

WE HAVE THE SPIRIT OF EXCELLENCE



PT. SARANA ARTHA GRAHAWISESA

Perkantoran Kencana Niaga 1 Blok D1 - 3S
Jl. Taman Aries - Jakarta Barat, 11620
Indonesia
Tel: 021 - 5858660
Fax: 021 - 5858661
Website : www.sag-locks.com
E-mail : sales.project@sag-locks.com

Talleres de Escoriaza, S.A.U.
Barrio Ventas, 35
E-20305 Irun · Guipúzcoa

Tel.: +34 943 669 100
Fax: +34 943 633 221
www.tesa.es

The leading Spanish manufacturer and supplier of locking solutions and access control technology



ASSA ABLOY

Experience a safer
and more open world



Cover picture

Project:
Hospital de Vigo

Location:
Vigo, Pontevedra

Architect:
Luis Vidal + Arquitectos (LVA)

Integrally equipped with
TESA ASSA ABLOY product

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Keys to our leadership

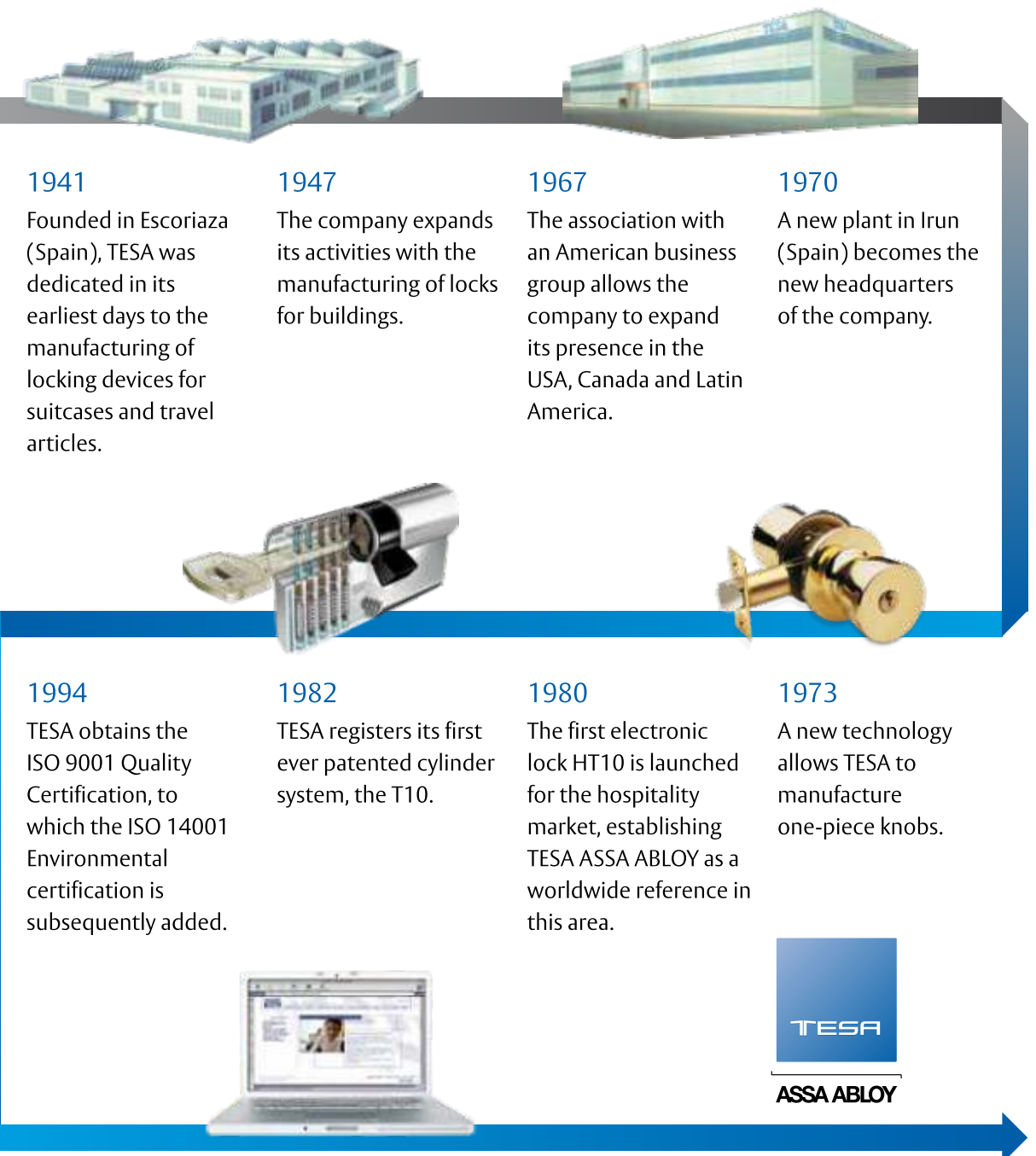
TESA ASSA ABLOY is the leading Spanish manufacturer and supplier of locking solutions and access control technology for the residential and institutional markets. We have a wide and complete range of products including panic exit devices, cylinders, security locks, knobs and handles, door closers, access control solutions with electronic cylinders, electromechanical and electromagnetic solutions and armoured doors. TESA ASSA ABLOY exports to markets such as Latin America, Middle East, Europe, Asia Pacific and the North African countries.

Creating ideas is just a start. To encourage and develop them are the following steps. In order to make many of these ideas operative, we have invested more than 2,9 million and we have formed a team of 40 professionals whose goals are creativity and anticipation. Any other clues as to what does RDI mean for TESA ASSA ABLOY? The next time you see the latest technological advances in locking systems and access control, remember that was TESA ASSA ABLOYs RDI ten years ago.

Innovation:
where
everything
starts

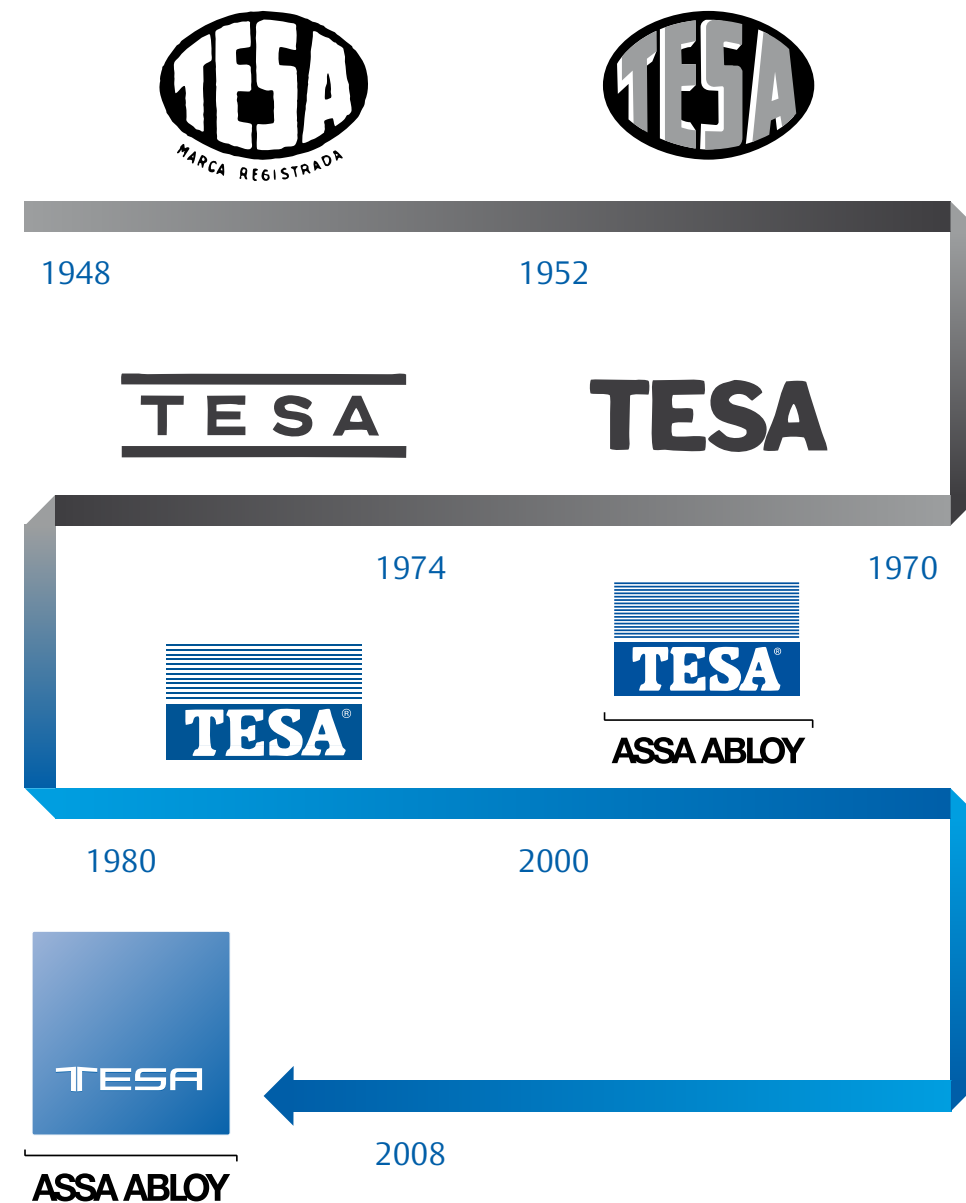


Our history



The evolution

evolved over
the years



Guaranteed by TESA ASSA ABLOY

To buy TESA ASSA ABLOY is a quality guarantee. The use of state-of-the-art technology, experienced staff and a managing system certificated by the quality standard ISO 90001 and the environment standard ISO 14001, as well as the security and hazard prevention standard, have resulted in a career of continued innovation, growth and expansion for the company.



Certificates



Fire Rated



Certified



European
Conformity

Sustainability

Sustainability is a driver throughout TESA ASSA ABLOY's value chain; it is an important element in innovation, in sourcing, in production, in employee development, in applying our products and solutions, and in our relation to suppliers or clients.

To that end, throughout our history we have been reducing the pollution that our installations generated, and we have developed different strategies to reduce as much as possible our environmental impact, with the objective of assuring a sustainable future. For example, all of our factories work with 100% renewable energy.

Project references



International

Building	City
Wanda Metropolitano Stadium	Madrid (Spain)
Ciudad Deportiva Real Madrid	Madrid (Spain)
Barcelona International Airport Terminal 2	Barcelona (Spain)
Centre Culturel Pompidou	Paris (France)
Academic Medical Centre	Amsterdam (Holland)
IFC Tower	Hong Kong (China)
MRT Stations Lines Orange and Blue	Bangkok (Thailand)
MDIS (Management Development Institut)	Singapore
Iron State Tower	New Jersey (USA)
Hospital Antofagasta	Antofagasta (Chile)
Arkansas State University Querétaro Campus	Querétaro (México)
Hospital General de Tlahuac	Ciudad de México (México)
Panama Canal	Panamá
Bulgari Hotel	Dubai (UAE)
Presidential Palace	Abu Dhabi (UAE)
Double Tree by Hilton Hotels & Apartments	Dubai (UAE)
Ministry of Education	Ryad (Saudi Arabia)
Centre Hospitalier et Universitaire d'Agadir	Agadir (Morocco)

Indonesia

Building	City	Use
Royale Springhill Kemayoran	Jakarta	Apartment
Hilton Hotel	Bandung	Hotel
Daswin Office Building	Jakarta	Commercial
Intercontinental Hotel	Bandung	Hotel
Ngurah Rai International Airport	Bali	Airport
Novotel Ngurah Rai	Bali	Hotel
Mandiri University	Jakarta	Education
Grand Mercure Bandung	Bandung	Hotel
Novotel Grand Shayla	Makassar	Hotel
IHVCB Universitas Indonesia	Jakarta	Health Care
Ibis Style Hotel	Makassar	Hotel
Horison Kualanamu	Medan	Hotel
CGO Papua	Port of Moresby	Office
Luxton Hotel	Bandung	Hotel
Swissbell Hotel	Manokwari	Hotel
Aeon Sentul	Bogor	Commercial
Manhattan Hotel	Jakarta	Hotel

Mortice locks



Locks for timber & steel door

Evolution in mortise locks has led TESA ASSA ABLOY to expand its range constantly, with various backsets, finishes, distances between shafts, latch solutions, PEDs, locks for schools, hospitals or offices.

Residential locks

TESA ASSA ABLOY presents a range of locks for wooden doors in residential projects, providing a wide choice of models for entrance doors, passage doors, bathroom doors and accessories.

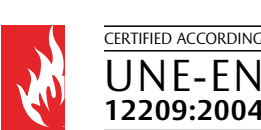


2030 Series

- Sashlock for timber doors.
- Reversible.
- Distance between axes: 85 mm
- Backset: 40/ 50/ 60/ 70 mm
- Follower: 8 mm. Thumbturn follower: 6 mm.

Institutional locks

TESA ASSA ABLOY supplies a complete range of locks for doors made of specific woods, apt for institutional projects subject to moderate transit, and intensive use with high transit.



2030F Series

It is well known that schools, hospitals and offices present high transit and intensive use of their premises. TESA ASSA ABLOY's 2030F locks combine high features with functionality and represent the perfect match for the rest of TESA ASSA ABLOY's catalogue: handles, panic bars, electromagnetic devices, etc.

- Sashlock for timber doors.
- Reversible latchbolt / Reversible panic function.
- Distance between axes: 85 mm
- Backsets: 50/ 60/ 70 mm
- Follower: 8 mm. Thumbturn follower: 6 mm
- Closed lockcase.

Mortice locks



Locks for fire proof doors

TESA ASSA ABLOY's firebreak locks have been manufactured for maximum resistance in case of arson, and they are an efficient protection against fire.



CF50 Series

The CF50 lock is particularly apt for metal doors without being a panic exit lock – if we leave the key on, in case of emergency we will have to open with the key again. This lock may undergo temperatures of up to 900 °C.

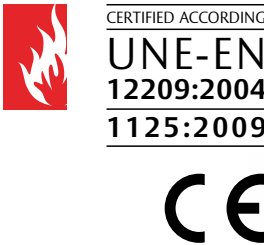
- 9 x 9 mm follower rod.
- Distance between each axis: 72 mm
- Backset: 65 mm
- Reversible (non handed).



CF60 Series

The CF60 lock, devised for metal work, presents a panic exit function that makes it even easier to evacuate individuals in case of fire. Due to this panic exit function, even if we leave the door locked with a key from the inside, the handle will always be able to open the door with no need to search for the keys, given that in case of emergency nothing is as important as the time spent on evacuation.

- Cylinder not included, panic function for all versions.
- Backset: 65 mm
- Reversible (non handed).
- Distance between each axis: 72 mm
- Sintered steel latch: endures temperatures over 900 °C



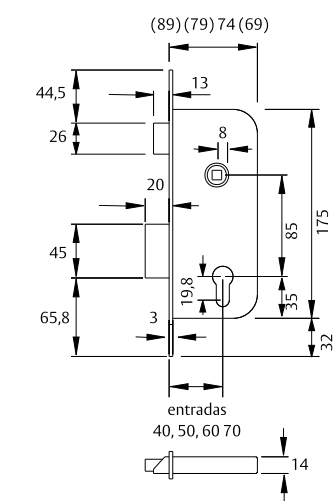
CF60 solenoid Series

- Cylinder not included, panic function for all versions.
- Backset 65 mm
- Distance between each axis: 72 mm
- Reversible (non handed)
- Sintered steel latch: endures temperatures over 900 °C

Building range

2030 Series

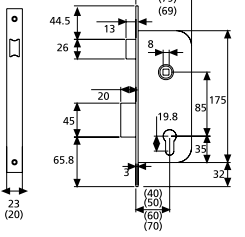
- » Sashlock for timber doors.
- » Reversible.
- » Distance between axes: 85 mm.
- » Backset: 40/ 50/ 60/ 70 mm.
- » Follower: 8 mm. Thumbturn follower: 6 mm.



Finish / entrance	40	50	60	70
Brass fplated steel (HL)	*	*	*	*
Nickel plated steel (HN)	*	*	*	*
Gold enamelled steel (HE)	*	*	*	*
Black (NE)		*	*	*
Stainless Steel AISI 430 (AI)		*	*	*

2030 Entrance

- Features**
- » Anti-friction Silent Tech latchbolt available: Smoother operation.
- Operation**
- » Reversible latchbolt withdraws from either side with levers or knobs or by cylinder.
 - » 20 mm. double throw.

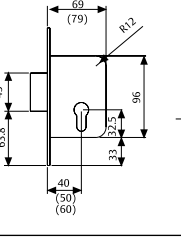
2030	Model	Backset	Finish
	2030	40 / 50	HL
	2030	40 / 50	HN
	2030	40 / 50	AI
	2030	60 / 70	HL
	2030	60 / 70	HN
	2030	60 / 70	AI

Underline: Express 5 service.
No underline: 15 working days maximun.



2031 Store room

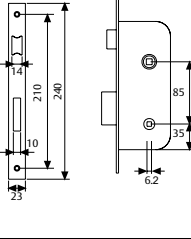
- Features**
- » Deadlock. Backset: 40/ 50/ 60 mm.
 - » 2031-U: Same dimensions than 2030, 2034 and 2035.
- Operation**
- » 20 mm. double throw.

2031	Model	Backset	Finish
	2031	40 / 50	HL
	2031	40 / 50	HN
	2031	60	HL
	2031	60	HN

Building range

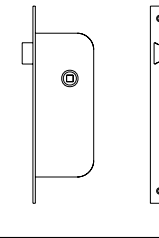
2034 Privacy

- Operation**
- » Reversible latchbolt withdraw by follower (levers or knobs).
 - » 20mm. single throw deadbolt. Thumbturn operated.

2034	Model	Backset	Finish
	2034	40 / 50	HL / HN
	2034	40 / 50	AI
	2034	60 / 70	AI
	2034	60 / 70	HL / HN

2035 Passage

- Operation**
- » Reversible latchbolt withdraws from either side with levers or knobs.

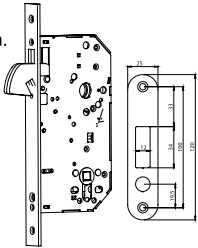
2035	Model	Backset	Finish
	2035	50	HL / HN
	2035	60	HL / HN

2038 Series

- Features:**
- » Backsets: 60/70 mm.
 - » Activable hook with cylinder.
 - » Same mortising as the 2030 model.

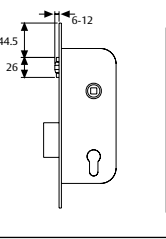
Model	Backset	Finish
2038	60 / 70	HL
2038	60 / 70	AI

Underline: Express 5 service.
No underline: 15 working days maximum.



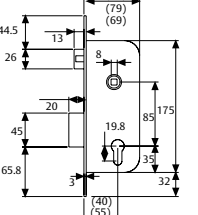
2036 Roller bolt

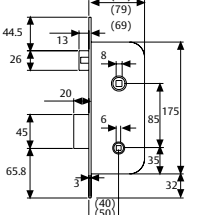
- Operation**
- » 20 mm. double throw Deadbolt. Cylinder operated
 - » Fixed roller bolt.

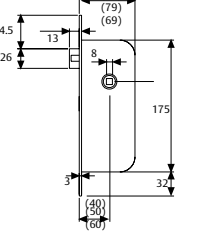
2036	Model	Backset	Finish
	2036	40 / 50	HL
	2036	40 / 50	HN
	2036	40 / 50	AI
	2036	60	HL
	2036	60	HN
	2036	60	AI

2S30 Silent latch Series

- Features**
- » Zinc alloy sprung anti-friction latchbolt: smoother operation.
 - » Reversible.
 - » Distance between axis 85 mm.
 - » Backset: 50/60 mm.
 - » 8 mm follower. 6 mm Thumb turn follower.
 - » Optional rounded front plate.

2S30	Model	Backset	Finish
	2S30	50	AI
	2S30	50	HL
	2S30	50	HN
	2S30	60	AI
	2S30	60	HL
	2S30	60	HN

2S34	Model	Backset	Finish
	2S34	50	AI
	2S34	50	HL
	2S34	50	HN
	2S34	60	AI
	2S34	60	HL
	2S34	60	HN

2S35	Model	Backset	Finish
	2S35	50	AI
	2S35	50	HL
	2S35	50	HN
	2S35	60	AI
	2S35	60	HL
	2S35	60	HN

Security locks

TESA ASSA ABLOY security locks provide unparalleled security levels in the market, as well as a new design of the patented anticard latch, independent locking points, hooks operating in two protection shafts in order to avoid leverage, ...

Single point security locks

Single point locks maintain the main features of the multipoints central lock. Single point bolt/lever locks with all the protection required to prevent fraudulent access attempts for projects with any budget.



R100B

- Four roller bolts in nickel plated steel (Ø 14 mm).
- Mechanisms protected in galvanised steel closed case.
- Include E300L security escutcheon.
- Locks with rounded edge faceplate and strike plates are also available.
- Single hole strike plates are also available.

Security
★★★★

R200B

- Four roller bolts in nickel plated steel (Ø 14 mm).
- Mechanisms protected in zinc plated steel closed case.
- Include E700L security escutcheon.
- Locks with rounded edge faceplate and strike plates are also available.
- Single hole strike plates are also available.
- Anticard latchbolt available.

Security
★★★★★

R400B

- Four roller bolts and 4 turns security lock.
- Bolts maximum projection, four turns. (36 mm).
- Backset: 70 mm.
- Distance between axis: 85 mm
- Nickel plated steel roller bolts.
- Reversible latchbolt.
- Staninless and brass finished.
- E700L security scutcheon.

Security
★★★★★★

Multipoint security locks



In residential high security, TESA ASSA ABLOYs locks provide unheard-of security levels for the high range market: patented anti-card latches, locking points independent from each other, anti-lever hooks, lock protection on the doors frame, anti-drill escutcheons for protecting the cylinder, rotatory protection devices for the key, etc.

TLB Series

- Circular roller bolts in the main lock (Ø 14 mm).
- Plane edge roller bolts in auxiliary locks.
- Mechanisms protected in galvanised steel closed cases.
- Floor & Top Jamb locking bolts in hardened steel (TLB5).
- Steel made Floor & Top Jamb strikes. Floor strike includes dust proof lid.
- U profile steel faceplate provides great strength and is ideal for Fire Doors.
- Auxiliary locks mechanisms provided with anti-return system.
- Full size strikeplates are 40mm width. 35 mm and 45 mm width also available.
- Standard height is 2.028 mm. 2035 mm height is also available.
- Standard faceplate has a 20 x 10 mm profile.

Security
★★★★★★



Locks for narrow stiles

2210E Series

- » The cases, with 15mm of wide, reduce the aluminium mechanization.
- » Faceplate and strike plate made in stainless steel.
- » Nickel plated latch is reversible and can be retracted by handle or key.
- » Galvanised steel lock case.
- » Two anodised aluminium roses included .
- » The standard stainless steel strike is supplied with the lock.

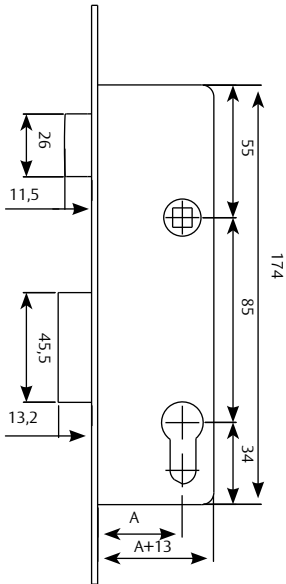
Features

- » Anti-friction Silent Tech latchbolt available: Smoother operation.

Operation

- » Reversible latchbolt withdraws from either side with levers or knobs or by cylinder.
- » 20 mm. double throw.

2210E				
Backsets	20	25	30	35
Cylinder cam	13 mm			
Latch	Narrow	Adjustable		
Accessories				
Escutcheon	E190	E205		
Strikes	C22	Electric		



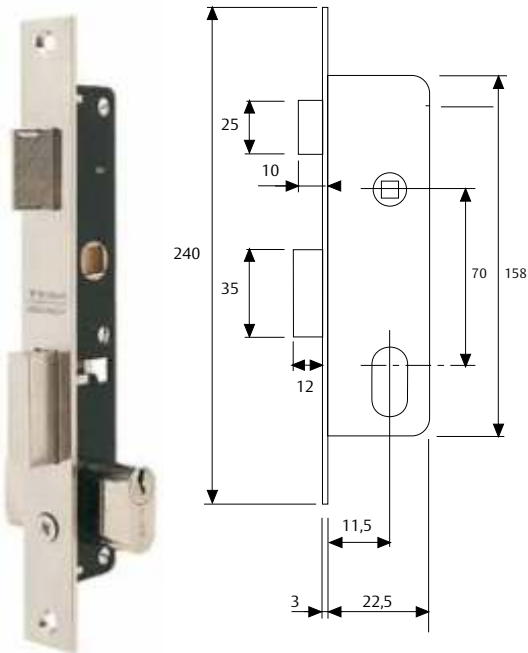
2210E	Backsets
	20
	25
	30
	35
2211E	Backsets
	20
	25
	30
	35
2216E	Backsets
	20
	25
	30
	35
2218E	Backsets
	20

CYL : cilinder TE5 52003030N // CER : stainless steel strike A = C2210ENOX // B = C2230XNOX // C = C2215ENOX // D = C2218ENOX // ESC : 2 units 44200NE escutcheons

Locks for narrow stiles

2220 Series

- » Nickel plated faceplate, latchbolt, deadbolt and cylinder.
- » Latchbolt is reversible.
- » Oval cylinder cam has 10,7mm. radius to prevent interference with the stile bottom
- » Distance between centres: 70mm.
- » Strike and roses are not supplied.



2220	Cylinder	Backsets
		11,5
	Oval	
2226	Cylinder	Backsets
		11,5
	Oval	

Cylinder & Master key systems

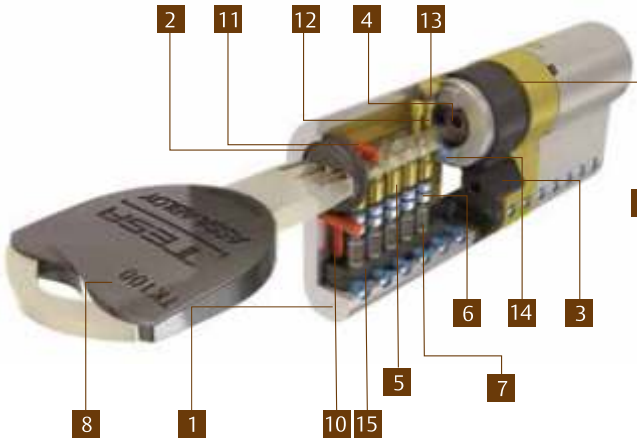


Patented cylinders

Ranging from the most basic to the highest security patented, restricted-key models, our cylinders have been equipped with the most advanced protection systems: spring loaded pins, antiremoval system, etc., as befits TESA ASSA ABLOYs position as the first European cylinder manufacturer.

Glossary

	Descripción
1	Barrel or body. The frame that supports the whole assembly
2	Plug/rotor. The main element that forms the cylinder's transmission. It sends the rotating motion from the key to the cam.
3	Cam.It operates the lock. It may come in various sizes depending on the manufacturing or design of the lock. In Spain, both types are used frequently 15 mm radius (for wooden doors) or 13,2 mm (for aluminium or PVC doors).
4	Clutch. The part that allows the user to monitor the side that sends the motion from the key to the cam. A version of the clutch exists that allows the user to open from the outside in case the key is inserted from the inside. This is called 'DS clutch' (DS = 'doble sentido', both directions).
5	Lower pin (main row). The part that determines the combination in a specific cylinder. It will condition the depth of puncturing that a correct key must have.
6	Upper pin (main row). It complements the lower pin and allows for the blocking of specific key combinations.
7	Spring. It loads the pin and makes it possible to bring it back
8	Key. The main accessory of the key. It allows the user to open the door.



9	Clips. They secure the whole assembly.
10	Antidrill body pin. It provides security in case of antidrill tampering.
11	Antidrill rotor pin. It protects the rotor from the drill.
12	Lower pin (second row). Same function as the main row
13	Upper pin (second row). Same function as the main row.
14	Lower pin (third row). Radial distribution. It usually belongs to the system's patent.
15	Caps. They keep the pin loaded (lower and upper pin, spring).

Selection criteria

- To select the most adequate model, TESA recommends taking into account the following points.
- » Key type. Either sawn or dimple.

» Security level. Determines the performance of the cylinder against different opening methods.

» Profile. Refers to the shape of the cylinder. Depends on the type of lockset.

» Finish. There are two options. Either brass or nickel.

» Measurement. It will depend on the door thickness.

» Function. Specify the way of operating with the key. From both sides (double cylinder), only one side (single cylinder) or one side key and thumb turn the other (Cylinder & turn function).

» Type of cam. It will be determined by the type lockset (for wooden doors, PVC doorsetc)

» Format. Key to differ (there are no relationship between one cyl. and another), key alike (all the cylinders will be operated with the same key) and master keyed (where a hierarchy determines which keys can open particular doors).

Summary chart

	Key	Type	Security level	Master keying capability
TK100	Patented	Sawn key	**** ****	**** ****
TX80	Patented	Sawn key	*****	*****
TK6	Patented	Dimple key	*****	****
T80		Sawn key	***	***
T70	Patented	Sawn key	*****	
TD60	Patented	Sawn key	****	****
T60		Sawn key	**	*
TD5	Patented	Dimple key	**	***
TE5		Dimple key	*	**



Cylinder & Master key systems



High security cylinder TK100

Technical data

TK100 cylinders have been designed with the most exclusive protection systems. This newly version integrates, in addition of the patent, an exclusive orbit combination system which fully surpass the maximum key security grade specified in the standard regulation. In addition to that, this new manufacturing concept improves against non destructives opening methods such us bumping, pickingetc. To complete the maximum security grade in all its extension, this model incorporates extra protections to resist the most usual attacks applied when breaking in.

In terms of drill protections, TK100, in addition of incorporating hardened pins, includes a new protector shield integrated. With this new cylinder, TESA starts a new gait which lead the future in all the cylinder range.

Features

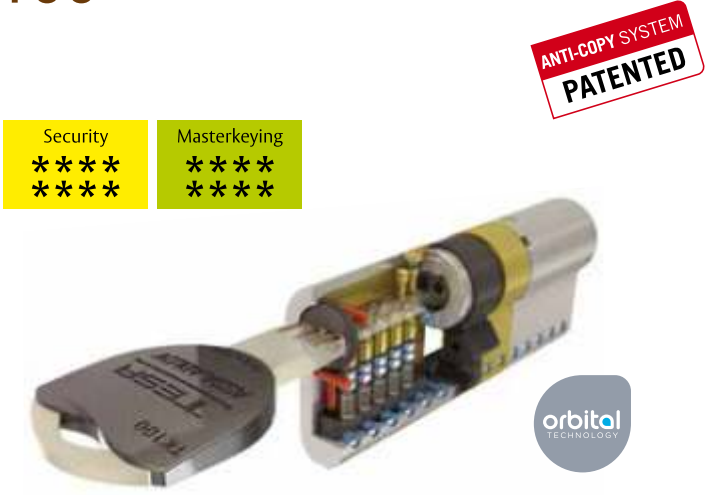
- » Type of key: Flat, non-duplicable and patented.
- » Number of rows : 2
- » Number of pins: 10 + 2 security sensors in the key.
- » Technology: DROP ORBITAL (TESA Exclusive)
- » Combinatory: It reaches way above the degree 6 of the standard.
- » Masterkey systems: Superior capacity with no need to use passive pins.
- » Resistance to corrosion and temperature: Degree C
- » Advanced antibump.
- » Top antipick protection.
- » Antipick protection way above the maximum degree specified by the European standard.
- » Antiextraction rotor.
- » Corona pins on rotor front.
- » The bridge of the body features preinstalled reinforced steel.
- » Resistance: 200,000 cycles.
- » Preinstalled double-security clutch.
- » 5 narrow-neck keys per cylinder.
- » New, ergonomic key design.
- » Key duplication and cylinders are protected via ownership card.
- » Certified according to the EN 1303 standard.

Options

- » Finishes: Brass / Nickel.
- » Cam: DIN R15 and R13.
- » Formats available: Key different, mater keyed, key alike and specific codes.
- » A wide range of sizes and profiles.
- » Colour points to differentiate master key levels.

Master key systems

The new orbit permutation system TESA has patented gives TK100 the highest level of security ever seen in the market. For that reason, TK100 is de ideal system for master keyed requirements. It does not matter how complex the master keying is. TK100 will solve, widely, every type of lock charts.



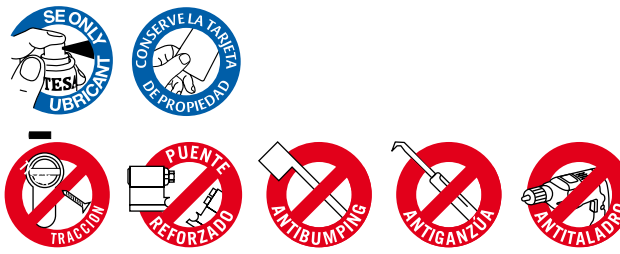
European standard regulation

TK100 widely surpass the different laboratory tests specified in the standard European regulation.

1	6	0	1	0	C	6	2
Key resistance (Grade 0-1)	Lifespan (Grade 4-6)	Door mass (Not applied in cylinder)	Fire resistance (Grade 0-1)	Safety of the people (Not applied in cylinders)	Corrosion and temperature resistance (Grade 0-A-B-C)	Key related security (Grade 1 to 6)	Attack resistance (Grade 0 to 2)

Recommendations.

- » Use TESA lubricant to lengthen the maximum lifespan of the cylinder.
- » TESA recomends to the user of the TK100 to keep the property card in a safe and secure location. Only by presenting this card, can one obtain key and cylinder copies.
- » For safety reasons, when you install a new cylinder, remember that once installed, it should not project more than 1mm.



T70 Anti-Snap cylinder



Technical details

The T70 cylinder has been specially designed to provide a guaranteed solution against SNAP attacks, while also providing efficient anti-extraction, anti-bump and anti-drill protection. The (patented) head of the key presents a special configuration that makes it compatible with NARROW HEAD escutcheons. The cylinders security is also supported by a patent, ensuring that the key can not be duplicated.

Features

- Basic**
- » Type of key: Flat, non-duplicable and patented.
 - » Number of rows: 1
 - » Number of pins: 6+1 security sensor in the cylinder.
 - » Combinatory: Degree 5
 - » Resistance to corrosion and temperature: Degree B
 - » Durability: 100,000 cycles

Anti-Tampering Protection

- » Double ANTI-SNAP protection:
 - L via fuse slot
 - L via reinforced steel bar
- » ANTIBUMP system
- » Anti-pick protection
- » Anti-drill protection: DEGREE 2
- » Anti-extraction protection: DEGREE 2

Narrow Head

- » Special configuration of the (patented) head of the key. Compatible with narrow-profile escutcheons.

Key protection

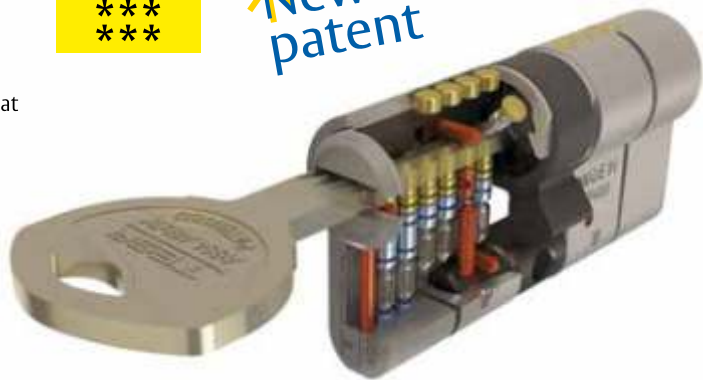
- » Patented key and cylinder.
- » Key duplication and cylinders are protected by property card.

Certification

- » Certificated according to EN1303

Options

- » Brass and nickel-chromed finishes
- » Cams: R15 and R13.
- » Optional: cylinders in KD and key alike. Not available in master keying.
- » Europrofile range, padlock and 682 and adjustable round shape.



Regulations

As well as the main models featured in TESAs catalogue, the T70 has been certified according to tests specified by European standards.

1	6	0	1	0	B	5	2
Resistance of the key (Degree 0-1)	Durability (Degree 4 to 6)	Door mass and locking force (Not applicable for cylinders)	Apt for use with firebreak doors (Degree 0-1)	Personal safety (Not applicable for cylinders)	High resistance to corrosion and temperature (Degrees 0, A, B, C)	Security of the key (Degree 1 to 6)	Anti-tampering resistance (Degree 0 to 2)

Recommendations

- » Use TESA lubrication for an optimum service life of the cylinder.
- » Always keep the ownership card in order to make copies of the keys.
- » Follow the mounting instructions supplied with the cylinder for the correct mounting of the product.



Security cylinder T60

Technical data

It is a reversible dimple key system which covers basic security levels.

Characteristics

- » Type: Dimple key. (Brass nickel plated).
- » Number of rows: 1
- » Number of pins: 6
- » Combination level: Grade 5
- » Technology: Tumbler regular.
- » Corrosion resistance: Grade B.
- » Anti pick system.
- » Drill resistant.
- » Bump proof cylinder lock.
- » Lifespan: 100,000 test cycles.
- » 3 / 5 keys per cylinder.
- » Conform to EN-1303 regulation

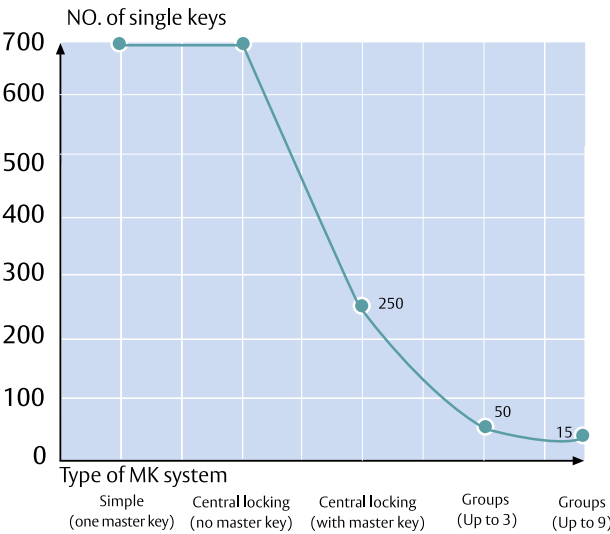
Options

- » Double security clutch.
- » Modular. (For unusual measures o anti snap protection)
- » Cams: DIN R15, R13 and different pinion gears.
- » Finishes: Brass / Nickel plated.
- » Formats available: Key different, mater keyed, key alike and specific codes.
- » Wide size and profile range.

Masterkey systems

The platform that supports its manufacturing makes it possible to combine a maximum number of 7 heights per position. The T60 is a suitable system for Masterkey systems where complexity levels are not too high.

ONLY AVAILABLE FOR ADDITIONS



European standard regulation.

T60 is certified according to the standard EN 1303 regulation, getting the following results.

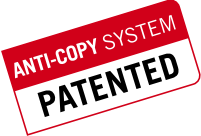
1	6	0	1	0	B	5	0
Key resistance (Grade 0-1)	Lifespan (Grade 4-6)	Door mass (Not applied in cylinder)	Fire resistance (Grade 0-1)	Safety of the people (Not applied in cylinders)	Corrosion and temperature resistance (Grade 0-A-B-C)	Key related security (Grade 1 to 6)	Attack resistance (Grade 0 to 2)

Recommendations

- » Use TESA lubricant to lengthen the maximum lifespan of the cylinder.
- » Use original keys to make copies.
- » For safety reasons, when you select a new cylinder, remember that once installed, it should not project more than 1mm.



High security cylinder TK6



Technical data

New model designed to cover two basic necessities in the market. On the one hand has been made with an exclusive and patented combination technology to solve complex master key suites and on the other hand a new security sensor lets the owner control all the keys in one installation.

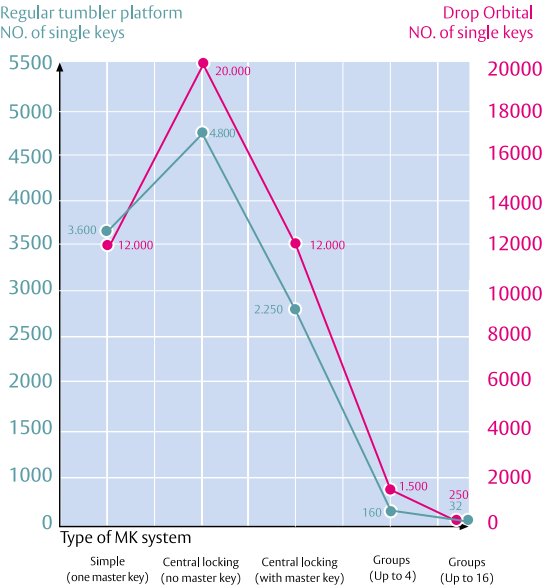
Characteristics

- » Type: Patented sawn key with security sensor.
- » Number of rows: 1
- » Number of pins: 6.
- » Technology: DROP ORBITAL (Exclusive TESA rights)
- » Permutation level: Grade 6.
- » Corrosion resistance: Grade B
- » Anti pick cylinder lock (High resistance.)
- » Bump proof system.
- » Drill protection grade 1.
- » 3 patented keys made of nickel silver.
- » Conform to EN-1303 regulation.
- » Lifespan: 100,000 test cycles.
- » Master key systems: Medium capability in combination with DROP ORBITAL platform.

Options

- » Finishes: Brass / Nickel.
- » Cam: DIN R15 and R13
- » Formats available: Key different, mater keyed, key alike and specific codes.
- » A wide range of sizes and profiles.
- » Colour points to differentiate master key levels.

Master key system



Security *** **	Masterkeying ** **
-----------------------	--------------------------



European standard regulation

In the same way as the main models included in the catalogue, the TK6 is certified according to the European standard regulation.

1	6	0	1	0	B	6	0
Key resistance (Grade 0-1)	Lifespan (Grade 4-6)	Door mass (Not applied in cylinder)	Fire resistance (Grade 0-1)	Safety of the people (Not applied in cylinders)	Corrosion and temperature resistance (Grade 0-A-B-C)	Key related security (Grade 1 to 6)	Attack resistance (Grade 0 to 2)

*Note; with the shield E700 the attack resistance rise to the level 2.

Recommendations

- » Use TESA lubricant to lengthen the maximum lifespan of the cylinder.
- » TESA recommends to the user of the TK6 to keep the property card in a safe and secure location. Only by presenting this card, can one obtain key and cylinder copies.
- » For safety reasons, when you install a new cylinder, remember that once installed, it should not project more than 1mm.



TD5 cylinder



Technical Data

TD5 is a PATENTED cylinder that covers the basic segment of the TESA range with a cost-benefit balanced solution for master keyed installations.

Characteristics

- » Type: Sawn key (Brass nickel plated).
- » Number of rows: 1
- » Number of pins: 5
- » Technology: Tumbler
- » Permutation level: Grade 2
- » Corrosion Resistance: Grade B
- » Pick protection: Medium level
- » Lifespan: 100.000 test cycles
- » 3 keys per cylinder

Options

- » Finishes: Brass/Nickel plated
- » Cam: DIN R15 and R13
- » Number of pins: 5
- » Formats available: Master keyed
- » Patent protection: TD5 cylinder is patent protected on the key and cylinder.
- » Wide size and profile range.

Master keyed system

The platform which supports its manufacturing combine 5pins with 10 heights per position. TD5 cylinder includes a MULTIPRO-FILE tree to face master key systems with total working guarantee, increasing by 4 the monoprofile MKS combinatory.

Security **	Masterkeying ** **
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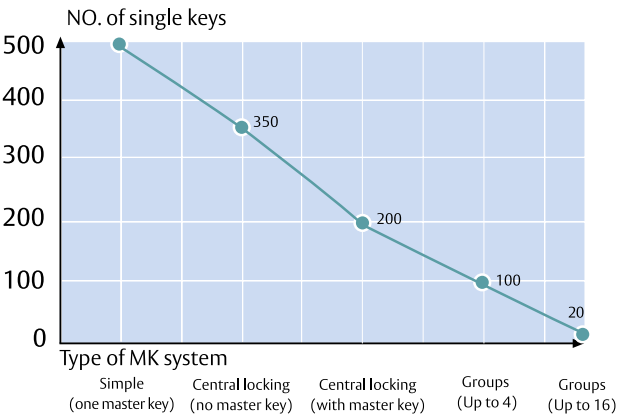


European standard regulation

In the same way as the main models included in the catalogue, TD5 is certified according to the European standard regulation.

1	5	0	1	0	B	2	0
Key resistance (Grade 0-1)	Lifespan (Grade 4-6)	Door mass (Not applied in cylinder)	Fire resistance (Grade 0-1)	Safety of the people (Not applied in cylinders)	Corrosion and temperature resistance (Grade 0-A-B-C)	Key related security (Grade 1 to 6)	Attack resistance (Grade 0 to 2)

Mks capacity in monoprofile



Recommendations

- » Use lubricant to lengthen the maximum lifespan of the cylinder.
- » Use only ORIGINAL TESA KEYS.
- » For safety reasons, when you install a new cylinder, remember that once installed, it should not project more than 1mm.



Standard cylinder TE5/TE6

Technical data

TE5/ TE6 covers the basic segment of the range. Entirely manufactured and assembled in Spain is the most balanced solution for regular and master keyed installations.

	TE5	TE6
Security	Masterkeying	Masterkeying
	* *	* * *

Characteristics

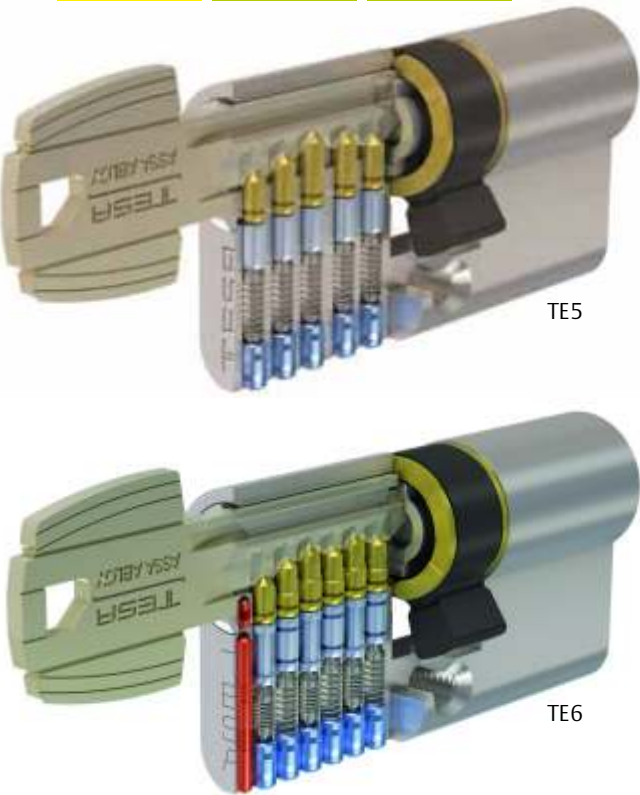
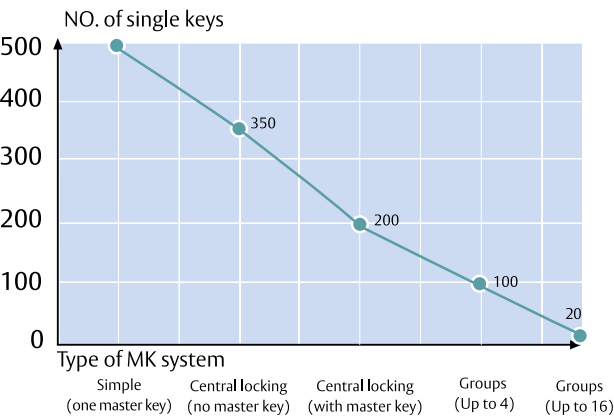
- » Type: Sawn key. (Steel nickel plated).
- » Number of rows: 1
- » Number of pins: 5/6
- » Technology: Tumbler regular.
- » Permutation level: Grade 5.
- » Corrosion resistance: Grade B.
- » Pick protection: Medium level.
- » Lifespan: 50,000 test cycles.
- » 3 keys per cylinder.
- » Conform to EN-1303 regulation.

Options

- » Finishes: Brass / Nickel plated.
- » Cam: DIN R15 and R13
- » Formats available: key to differ, master keyed, key alike and specific codes.
- » Wide measurement and profile range.

Master key systems.

The platform which supports its manufacturing lets combine 10 heights per position. Thanks to that, the TE5/ TE6 can face master key systems with total working guarantee. Capability graph (Average quantities)

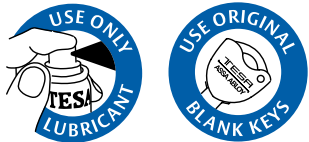


European standard regulation

In the same way as the main models included in the catalogue, TE5/ TE6 is certified according to the European standard regulation.

Recommendations

- » Use TESA lubricant to lengthen the maximum lifespan of the cylinder.
- » Use original keys to make copies.
- » For safety reasons, when you install a new cylinder, remember that once installed, it should not project more than 1mm.



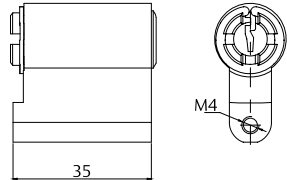
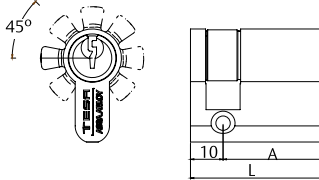
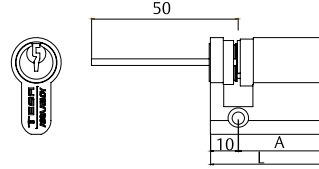
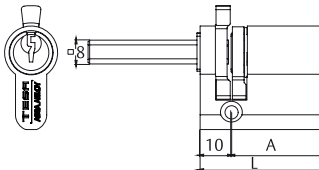
Standard cylinder TE5/TE6

European profile

Double european				Finish	
L	A	B			
60	30	30	Brass	Nickel	
65	30	35	Brass	Nickel	
70	30	40	Brass	Nickel	
70	35	35	Brass	Nickel	
75	30	45	Brass	Nickel	
75	35	40	Brass	Nickel	
80	30	50	Brass	Nickel	
80	35	45	Brass	Nickel	
80	40	40	Brass	Nickel	
85	35	50	Brass	Nickel	
90	30	60	Brass	Nickel	
90	35	55	Brass	Nickel	
90	40	50	Brass	Nickel	
90	45	45	Brass	Nickel	
100	30	70	Brass	Nickel	
100	40	60	Brass	Nickel	
100	50	50	Brass	Nickel	
110	30	80	Brass	Nickel	
110	50	60	Brass	Nickel	
120	30	90	Brass	Nickel	
120	40	80	Brass	Nickel	
120	60	60	Brass	Nickel	
130	30	100	Brass	Nickel	
140	40	100	Brass	Nickel	
150	50	100	Brass	Nickel	
160	60	100	Brass	Nickel	
Single european				Finish	Finish
L	A	B			
40	30	10	Brass	Nickel	
45	35	10	Brass	Nickel	
50	40	10	Brass	Nickel	
60	50	10	Brass	Nickel	
70	60	10	Brass	Nickel	
80	70	10	Brass	Nickel	
90	80	10	Brass	Nickel	
100	90	10	Brass	Nickel	
Knob european				Finish	Finish
L	A	B			
60	30	30	Brass	Nickel	
65	30	35	Brass	Nickel	
70	35	35	Brass	Nickel	
70	40	30	Brass	Nickel	
80	30	50	Brass	Nickel	
80	40	40	Brass	Nickel	
85	35	50	Brass	Nickel	
90	30	60	Brass	Nickel	
90	45	45	Brass	Nickel	

Standard cylinder TE5/TE6

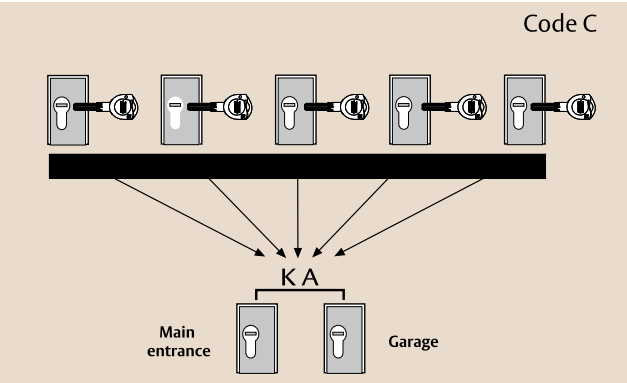
European profile

Padlock exchangeable	L	A	B	Finish
	-	-	-	Brass
	-	-	-	Nickel
Adjustable cam. Single profile (8 positions)	L	A	B	Finish
	40	30	10	Brass
	40	30	10	Nickel
Adjustable european cylinder	L	A	B	Finish
	40	30	10	Brass
	40	30	10	Nickel
	50	40	10	Brass
	50	40	10	Nickel
Euro cylinder for lock set 3,520.	L	A	B	Finish
	40	30	10	Brass
	40	30	10	Nickel

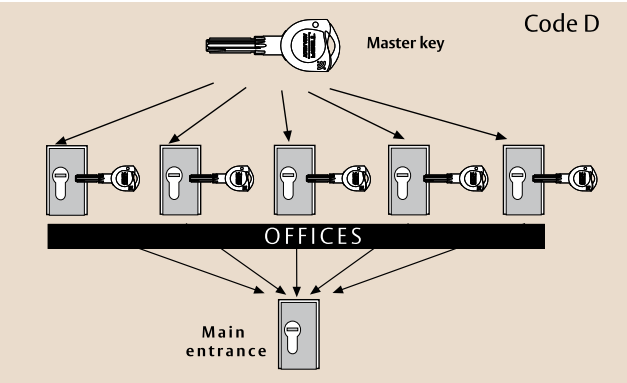
Master key systems

A master key system is a planned locking system where a master key can open more than one cylinder, even if each cylinder has its own key. For offices, residential homes and blocks of various floors, the master key system is the immediate solution that allows to establish an access control while reducing the number of keys that must be handled: security and comfort.

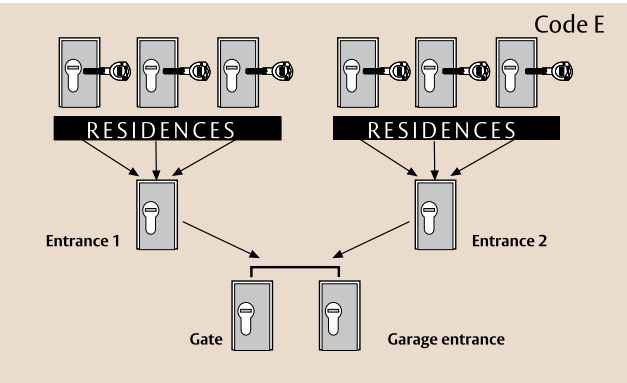
Central locking system.
(Community type)



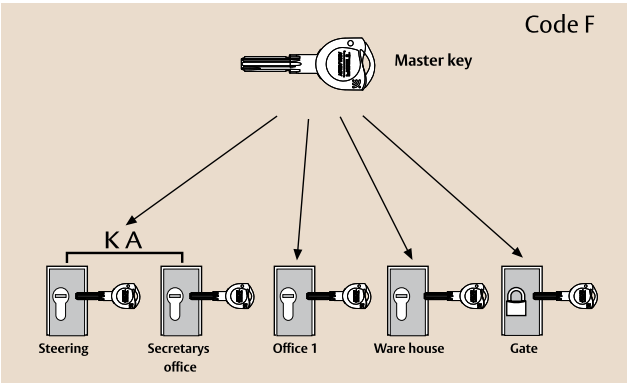
Central locking system with master key.
(Company type)



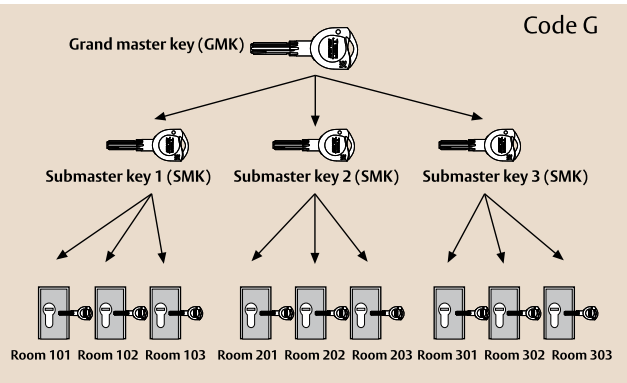
Central locking with several levels.
(Apartment blocks type)



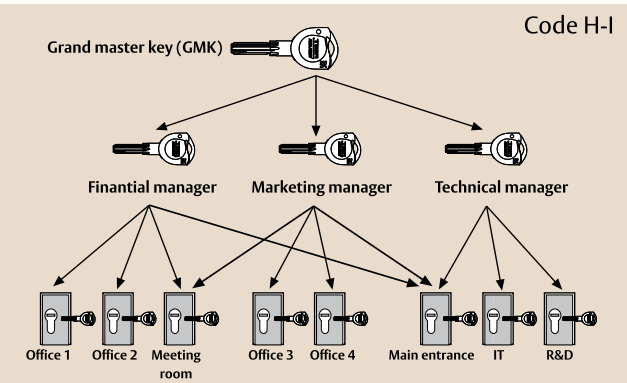
Simple master key suite.



Group master key suite.
(Hotel type)



Complex master key system
(Company type)



Premium Institutional Handle



ASSA ABLOY

Institutional Stainless AISI 316L Handle



ASSA ABLOY

Mare

The Mare handle is among the high-range institutional handles, aimed at public buildings, hotels, auditoriums, etc. Extremely resistant, it has been designed by Ricardo Bofill and Marta Vilallonga's renowned studio. It combines beauty, functionality and solidity. It meets the legislation currently in force for building fittings UNE - EN 1906 and reaches the highest degree in use, durability and corrosion resistance categories.

Finish ISD, features to highlight:

- » Unaffected by sweating.
- » Unaffected by the attack of solvents.
- » Employed as a protection tool with medical instruments.
- » Highly resistant to corrosion due to the chrome foundation previous to the application of PVD.
- » The external layers are three times stronger than chromium.
- » Resistant to ultraviolet rays. The colour of the finish will not wear off, which is why it's ideal for outdoors.

Fixing system

- » Bolts: patented MARE fixing system. Hidden screws are used in order to prevent handles from being stolen.


PVD finish.

- » Highly resistant finish that gives the handle a metallic look. PVD is the equivalent to a chrome or stainless finish with a metallic brass look.
- » From the PVD we obtain the finishes ISD, LPD and LMD.

Minimum corrosion resistance (ASTM-B117/90):

- » CM, CR, PVD and IS16 finishes: up to 500 hours
- » NS, LP and LM: up to 144 hours.



Squared rosette	Product code	Finishes	Cylinder at 85 mm	Product code	Finishes
	MM5RC800	LP		MMOL885	LP
	MM5RC800	LM		MMOL885	LM
	MM5RC800	CM		MMOL885	CM
	MM5RC800	CR		MMOL885	CR
	MM5RC800	NS		MMOL885	NS
	MM5RC800	LPD		MMOL885	LPD
	MM5RC800	ISD		MMOL885	ISD
Rosette	Product code	Finishes	Deadbolt at 85 mm	Product code	Finishes
	MM5R800	LP		MMEL885	LP
	MM5R800	LM		MMEL885	LM
	MM5R800	CM		MMEL885	CM
	MM5R800	CR		MMEL885	CR
	MM5R800	NS		MMEL885	NS
	MM5R800	LPD		MMEL885	LPD
	MM5R800	ISD		MMEL885	ISD
Long plate	Product code	Finishes	Cylinder at 70 mm	Product code	Finishes
	MM5L800	LP		MMOL870	LP
	MM5L800	LM		MMOL870	LM
	MM5L800	CM		MMOL870	CM
	MM5L800	CR		MMOL870	CR
	MM5L800	NS		MMOL870	NS
	MM5L800	LPD		MMOL870	LPD
	MM5L800	ISD		MMOL870	ISD

Kubika AISI 316L

The pack with a rosette includes

- » A set of handles with an internal plate and a cover, a 8x105 mm spindle, 2 recoil springs, 4 coach screws, 2 through bolts, 2 bolts and an Allen key.

The pack with a long plate includes

- » A set of handles with an internal plate and a cover, a 8x105 mm spindle, 2 through bolts, 2 recoil springs, 4 coach screws, 2 bolts and an Allen key.

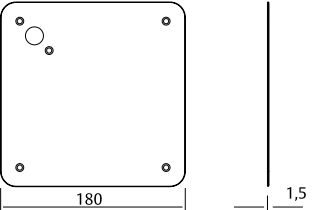
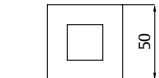
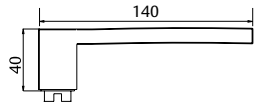
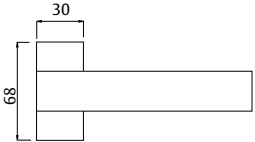
The pack with a squared plate includes

- » A set of handles with a 1'5 mm-thick internal plate and a cover, a 8x105 mm spindle, 2 recoil springs, 4 through bolts, 4 screws, 2 bolts and an Allen key.

Functions

- » Entrance: keyhole at 85, 72, 70 and 47 mm.
- » Privacy: deadbolt at 85, 72, 70 and 47 mm.
- » Passage.

Rosette	Product code	Finishes
Squared rosette	MKU5R800	IS16
Metallic carpentry rosette	Product code	Finishes
1/2 handle squared rosette	MKURR800	IS16
Long plate	Product code	Finishes
Passage	MKU5L800	IS16
Cylinder at 72 mm	MKU0L872	IS16
Cylinder at 85 mm	MKU0L885	IS16
Deadbolt at 70 mm	MKU0L870	IS16
Squared plate	Product code	Finishes
Passage	MKU5C800	IS16
Cylinder at 72 mm	MKU0C872	IS16
Cylinder at 85 mm	MKU0C885	IS16
Deadbolt at 85 mm	MKU3C885	IS16



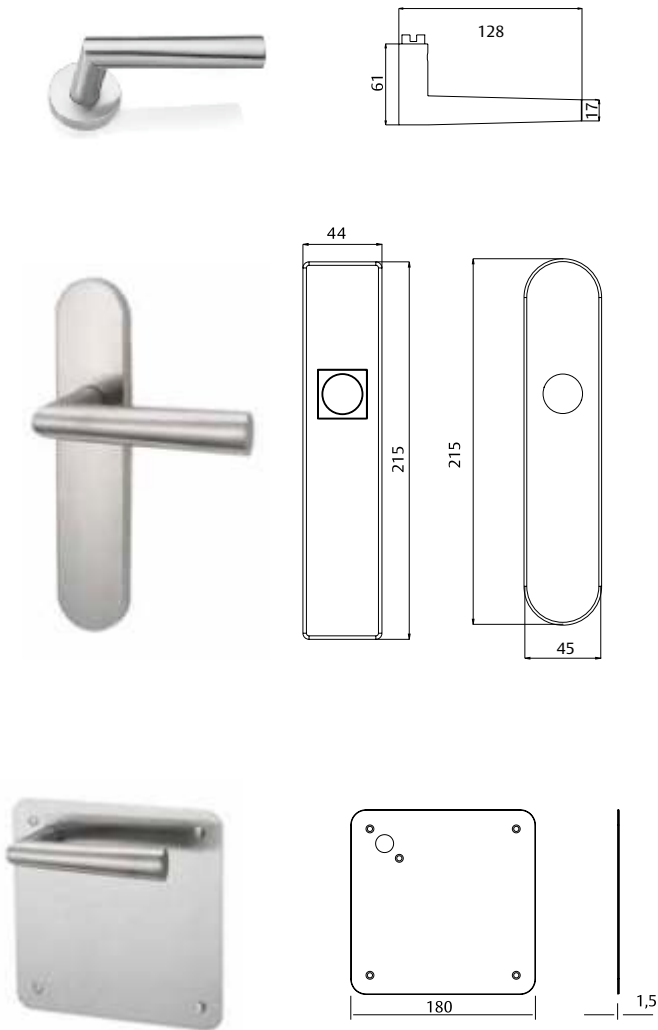
Institutional stainless AISI 316L handle

Obbal AISI 316L

- The pack with a rosette includes**
- » A set of handles with an internal plate and a cover, a 8x105 mm spindle, 2 recoil springs, 4 coach screws, 2 through bolts, 2 bolts and an Allen key.
- The pack with a long plate includes**
- » A set of handles with an internal plate and a cover, a 8x105 mm spindle, 2 recoil springs, 4 coach screws, 2 bolts and an Allen key.
- The pack with a squared plate includes**
- » A set of handles with a 1'5 mm-thick internal plate and a cover, a 8x105 mm spindle, 2 recoil springs, 4 through bolts, 4 screws, 2 bolts and an Allen key.

- Functions**
- » Entrance: keyhole at 85, 72, 70 and 47 mm.
 - » Privacy: deadbolt at 85, 72, 70 and 47 mm.
 - » Passage.

Rosette	Product code	Finish
Rounded rosette	MO5R800	IS16
Metallic carpentry rosette	Product code	Finish
1/2 handle rounded rosette	MORR800	IS16
Long plate	Product code	Finish
Passage	MO5L800	IS16
Cylinder at 72 mm	MO0L872	IS16
Cylinder at 85 mm	MO0L885	IS16
Deadbolt at 70 mm	MOEL870	IS16
Squared plate	Product code	Finish
Passage	MO5C800	IS16
Cylinder at 72 mm	MO0C872	IS16
Cylinder at 85 mm	MO0C885	IS16
Deadbolt at 85 mm	MO3C885	IS16



Solutions for special applications

Antimicrobial door handle - bio proof product

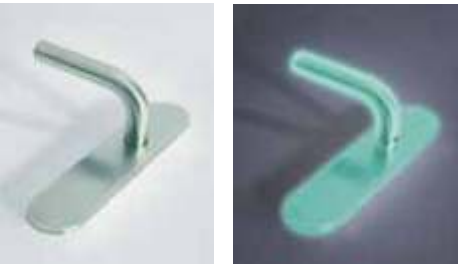
- » Micro-organisms can be found everywhere and represent a serious problem in the maintenance of infrastructures aimed at public and medical use.
- » It is calculated that 10-20% of nosocomial infections are caused by aerial transmission. Infectious organisms can be dispersed through sneezing, coughing and other means, and many of them fall on a surface in a short space of time.
- » No better solution to this problem has been identified than washing our hands. The habit of washing our hands is not very widespread, occurring in only 40% of the cases in which manual hygiene is recommended.
- » TESA's antimicrobial door handles are stainless steel handles which have a powder coating that makes them resistant to micro-organisms.
- » The active component of this coating is silver ions covered in zeolite, a kind of crystal whose function is to release the silver little by little.
- » Certificates from the University of Pavia are available, they confirm the effectiveness of the coating.
- » Available for any residential handle (except for Solid range) and for any AISI316 handle.
- » Also available for antipanic exit devices and knobset locks.



Product code
MS5C800AM
MS0L885AM
MS5R800AM

Photoluminiscent handle

- » The door handle is suitable for use in evacuation routes, emergency exits and in any room where it is important to be able to locate it immediately without light, for example a garage.
- » It complies with regulation UNE 23035-1 (DIN 67510-1) according to test report N° C/050195. The minimum luminance values required by photoluminiscent products which are to be used in signs are:
 - Luminance at 10' >= 40mcd/m2 (n/test: 101.8mcd/m2).
 - Luminance at 60' >= 5.6mcd/m2 (n/test: 13.67mcd/m2).
 - Decay time >= 800' (n/test: 1507').
- » Available for any residential handle (except for Solid range) and for any AISI316 handle.
- » Also available for antipanic exit devices and knobset locks.



Description	Product code
Photoluminiscent Sena handle	MS5L800BLFL

Other Lever Handle

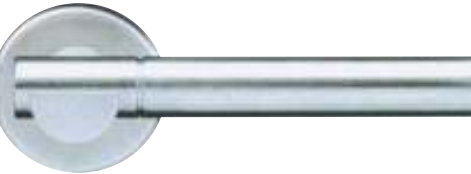
Barcelona



Coruna



Gijon



Ibiza



Burgos



Getaria



Girona



Irun



Other Lever Handle

Leon



Madrid



Ronda



Segovia



Lugo



Oviedo



Santiago



Sevilla



Finish: SS, PSS, BK

Finish: SS, PSS, BK

Finish: SS, PSS, BK

Finish: SS, PSS, BK

Finish: SS, PSS, BK

Finish: SS, PSS, BK

Finish: SS, PSS, BK, SSWD

Finish: SS, PSS, BK

Finish: SS, PSS, BK

Finish: SS, PSS, BK

Finish: SS, PSS, BK

Finish: SS, PSS, BK

Finish: SS, PSS, BK

Finish: SS, PSS, BK

Finish: SS, PSS, BK

Finish: SS, PSS, BK, SSWD

Other Lever Handle

Zamora



Pamplona



Valencia



Bilbao



Londres



Porto



Alicante



Cordoba



Other Lever Handle

Granada



Malaga



Palma



Toledo



Lisbon



Murcia



Soria



Vigo



Pull handle

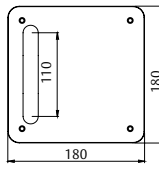
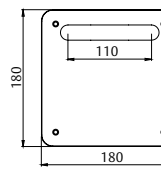
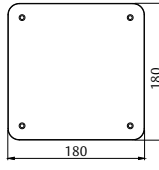
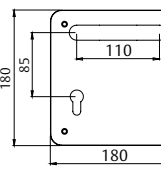
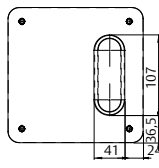



Mare

Pull lever 400 mm	Product code	Finishes
	TICM4020	LP
	TICM4020	LM
	TICM4020	CM
	TICM4020	CR
	TICM4020	NS
	TICM4020	LPD
	TICM4020	ISD
Pull lever 250 mm	Product code	Finishes
	TICM2520	LP
	TICM2520	LM
	TICM2520	CM
	TICM2520	CR
	TICM2520	NS
	TICM2520	LPD
	TICM2520	ISD
	KITMCRIS	Kit for glass door

Sena pull handle with squared plate

- Functions
- » Entrance: key hole at 85, 72 and 70 mm
 - » Privacy: deadbolt at 85, 72 and 70 mm

Vertical pull handle	Product code	Finish	Horizontal pull handle	Product code	Finish
	MSMT80V (half)	IS16		MSMT800 (half)	IS16
	MSTT80V (double)	IS16		MSTT800 (double)	IS16
	PCCIEGA	IS16		MSTT885	IS16
				MSTT872	IS16
	MSTT80EM	IS16			

Pull handle

Solid / Hollow Type Stainless pull handle

Maximum resistance and durability. Design and ergonomics. These are the most important features for pull handles oriented towards the institutional segment. They will have to endure intensive use, due to the high traffic they are subject to, and meet functionality criteria such as ease of evacuation, etc. They must remain unaffected by any climatic conditions, both indoors and outdoors. But they must also fit in a esthetically with the features of the building, adapting to each project with total precision. TESA brings you a magnificent collection of handles oriented towards the institutional segment, made in stainless steel.

- General features
- » Simple or double installation, M8x70mm fixing screws included.
 - » For doors made of wood, glass, metal or PVC.

- » AISI304 Stainless steel.
- » Solid (SS)
- » Hollow (HW)

- Fixations (included)
- » Simple fixation.
 - » Double fixation.
- Sizes
- » Check for special sizes and diametres.
 - » The length of the pull handle corresponds to the distance between axis
 - » Pull handle height = 55mm for Ø19mm and 65mm for Ø10mm.

Materials and finishes

Hollow models (HW)

Product code	Model	Description
TR19225HWIS	Simple	Straight unitary pull handle 225x19AISI304
TR19305HWIS	Simple	Straight unitary pull handle 305x19AISI304
DTR19225HWIS	Double	Straight unitary pull handle 225x19AISI304
DTR19305HWIS	Double	Straight unitary pull handle 305x19AISI304

Solid models (SS)

Product code	Model	Description
TR19225SSIS	Simple	Straight unitary pull handle 225x22AISI304
TR19305SSIS	Simple	Straight unitary pull handle 305x22AISI304
DTR19225SSIS	Double	Straight unitary pull handle 225x22AISI304
DTR19305SSIS	Double	Straight unitary pull handle 305x22AISI304

Stainless pull handles 20 mm diameter

Product code	Model	Description
DTR20150IS	Double	Set of straight pull handles 150X20 IS
DTR20200IS	Double	Set of straight pull handles 200X20 IS
DTR20250IS	Double	Set of straight pull handles 250X20 IS
DTR20300IS	Double	Set of straight pull handles 300X20 IS
TR20150IS	Simple	Straight pull handles 150X20 IS
TR20200IS	Simple	Straight pull handles 200X20 IS
TR20250IS	Simple	Straight pull handles 250X20 IS
TR20300IS	Simple	Straight pull handles 300X20 IS

Other Pull Handle

PHT - 501	PHT - 502	PHT - 503	PHT - 504
			
Finish: SS, PSS, BK PHT - 505	Finish: SS, PSS, BK PHT - 506	Finish: SS, PSS, BK PHT - 507	Finish: SS, PSS, BK PHT - 508

			
Finish: SS, PSS, BK	Finish: SS, PSS, BK	Finish: SS, PSS, BK	Finish: SS, PSS, BK

Note : Size are available by request

Other Pull Handle

PHT - 201	PHT - 202	PHT - 203	PHT - 204
			
Finish: SS, PSS, BK PHT - 205	Finish: SS, PSS, BK PHT - 206	Finish: SS, PSS, BK PHT - 207	Finish: SS, PSS, BK PHT - 208

			
Finish: SS, PSS, BK	Finish: SS, PSS, BK	Finish: SS, PSS, BK	Finish: SS, PSS, BK

Door closer



ASSA ABLOY

Standard Arm

EN size	Width	Weight	CT500	CT1800 CT2500	CT300036 + BN3000	CT300057 + BN3057
1	75 cm	20 Kgs				
2	85 cm	40 Kgs	•	•	•	
3	95 cm	60 Kgs	•	•	•	
4	110 cm	80 Kgs		•	•	
5	125 cm	100 Kgs			•	•
6	140 cm	120 Kgs			•	•
7	160 cm	160 Kgs				•
Traffic intensity			Medium	High	Very High	Very High



Sliding guide rail

EN size	Width	Weight	CT2300	CT300036 + GD3000	CT4500	CT5000	CT5700
1	75 cm	20 Kgs		•	•	•	
2	85 cm	40 Kgs		•	•	•	
3	95 cm	60 Kgs	•	•	•	•	
4	110 cm	80 Kgs		•	•	•	
5	125 cm	100 Kgs				•	•
6	140 cm	120 Kgs				•	•
7	160 cm	160 Kgs					•
Traffic intensity			Medium	Very High	High	Very High	Very High



Concealed

EN size	Width	Weight	TEX703	TEX14	TEX26
1	75 cm	20 Kgs		•	•
2	85 cm	40 Kgs		•	•
3	95 cm	60 Kgs	•	•	•
4	110 cm	80 Kgs		•	•
5	125 cm	100 Kgs			•
6	140 cm	120 Kgs			
7	160 cm	160 Kgs			
Traffic intensity			Medium	High	Very High



Link arm door closers



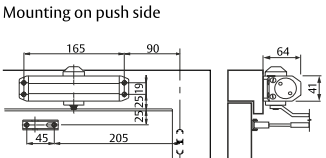
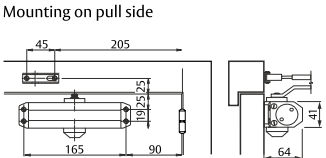
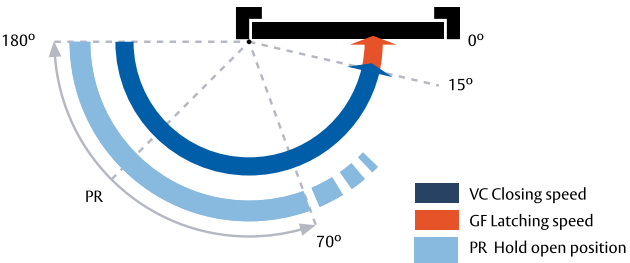
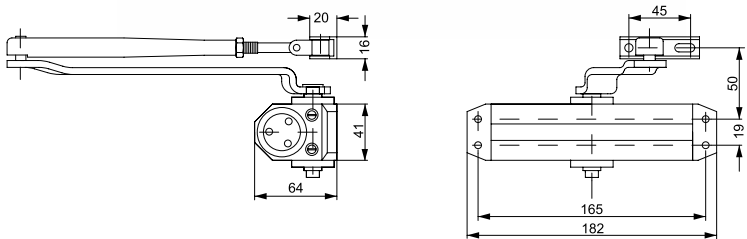
ASSA ABLOY

Link arm door closers

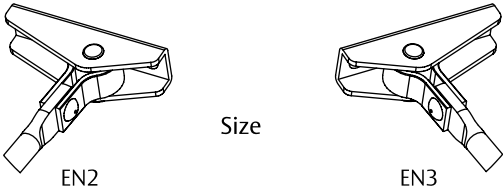
CT500

The CT500 is a door closer that offers good performance in a compact size. It can drive doors from size 2 to 3. This means that the CT500 will feel comfortable closing doors weighing from 40 to 60 Kg. and up to 95 cm. door width. This capability is achieved in a single model thanks to the variable position installation system.

- » Rack and pinion mechanism for smooth and reliable operation.
- » Two valves to adjust both sweep and latch speeds separately.
- » Two sizes (EN2&EN3) in a single model.
- » Reversible.
- » CT501 model permits to hold the door open at any position between 0° and 180°.
- » Suitable for doors opening inwards or outwards.:
 - Standard mounting: Door opens INWARDS, mounting on the pull side.
 - Transom mounting: Door opens OUTWARDS, mounting on the push side.
- » Four finishes: BL: White, NE: Black, PL: Silver, OR: Gold



Standard arm		
Size	Code	Finish
2 - 3	CT50023BL	White
2 - 3	CT50023NE	Black
2 - 3	CT50023OR	Gold
2 - 3	CT50023PL	Silver
Hold open arm		
Size	Code	Finish
2 - 3	CT50123BL	White
2 - 3	CT50123NE	Black
2 - 3	CT50123OR	Gold
2 - 3	CT50123PL	Silver



Link arm door closers

CT1800

Multi size door-closer (2-3-4) by means of three mounting positions.
CT1800 has been EN1154 certified and hence valid for Fire Doors.

- » One model for three sizes: EN2, EN3 and EN4
- » Maximum opening up to 180° (depending on door hinges and environment). Up to 105° mounted at size 4.
- » Distance between fixing holes is 19 mm:
CT1800 closers fit any aluminium door.
- » Reversible, non handed.
- » Finishes: White (BL), Black (NE), Silver (PL).

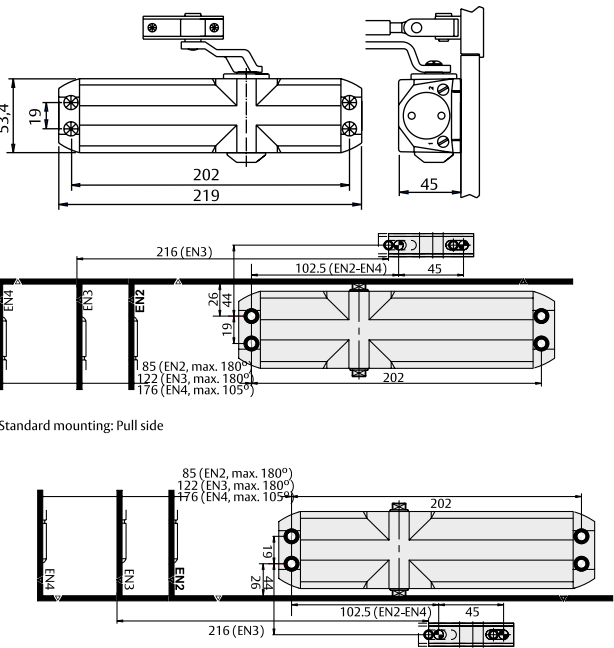
Classification with EN1154:1996+A1:2002

Standard arm transom mountings:

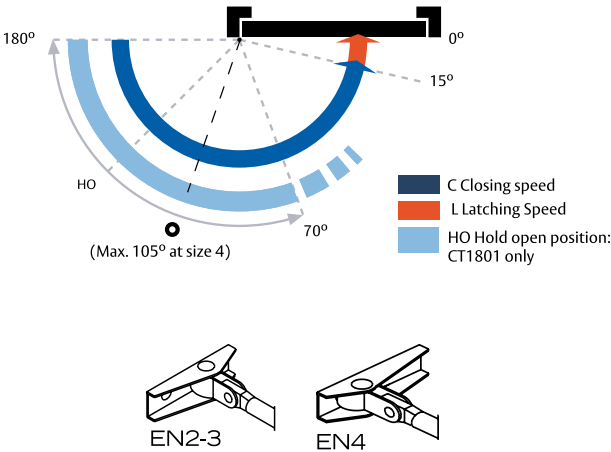
3 8 2/4 1 1 4

With paralell arm bracket SOP1800

3 8 3 1 1 4



Size	Door Width cm	Door Weight Kg	Adjustment
2	85	40	VC - GF
3	95	60	VC - GF
4	110	80	VC - GF



Non hold open (EN1154 Certified)		
Size	Model	Finish
2 - 4	CT180034BL	White
2 - 4	CT180034NE	Black
2 - 4	CT180034OR	Gold
2 - 4	CT180034PL	Silver
Hold open (Not suitable for fire doors)		
Size	Model	Finish
2 - 4	CT180134BL	White
2 - 4	CT180134NE	Black
2 - 4	CT180134OR	Gold
2 - 4	CT180134PL	Silver
Paralell arm installation bracket		
Reference		Finish
SOP1800BL		White
SOP1800NE		Black
SOP1800OR		Gold
SOP1800PL		Silver



SOP1800 Parallel Arm installation bracket.

Link arm door closers

CT2500

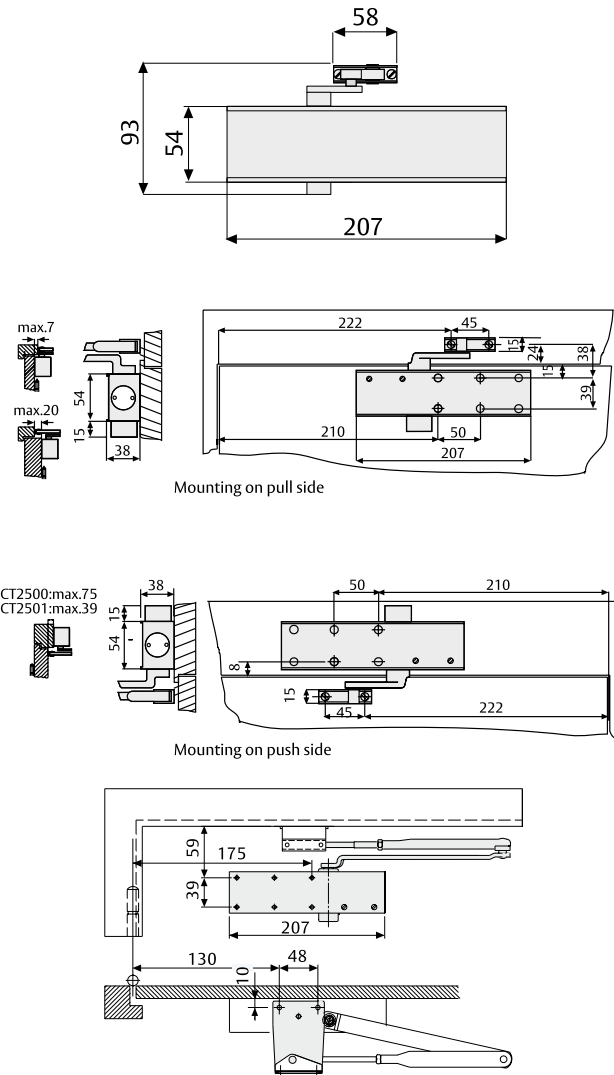
CT2500 door closers stand out for their versatility and stylish design.

- » One model for three sizes: EN2, EN3 and EN4
- » Unique body and arm hole pattern for three sizes.
- » Maximum opening up to 180°
- » Sweep speed and latching speed fully adjustable with separate valves.
- » Backcheck valve to protect the door against violent openings.
- » CT2501: Includes adjustable hold open arm, for any door open position up to 180°.
- » Reversible, non handed.
- » Finishes: White (BL), Black (NE), Silver (PL).

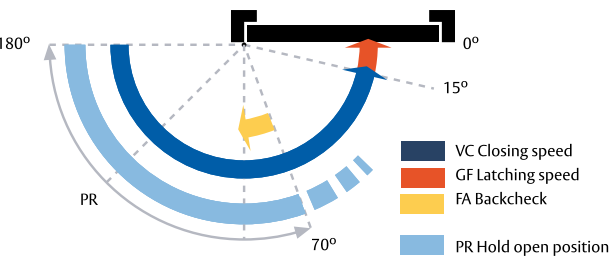
Classification according EN1154:1996+A1:2002

Standard arm transom mountings:

4 8 2/4 1 1 4



Size	Door Width cm	Door Weight Kg
2	85	40
3	95	60
4	110	80



Non hold open (EN1154 Certified)		
Size	Model	Finish
2 - 4	CT250034BL	White
2 - 4	CT250034NE	Black
2 - 4	CT250034OR	Gold
2 - 4	CT250034PL	Silver
Hold open (Not suitable for fire doors)		
Size	Model	Finish
2 - 4	CT250134BL	White
2 - 4	CT250134NE	Black
2 - 4	CT250134OR	Gold
2 - 4	CT250134PL	Silver
Paralell arm installation bracket		
Model		Finish
SOP2500BL		White
SOP2500NE		Black
SOP2500OR		Gold
SOP2500PL		Silver



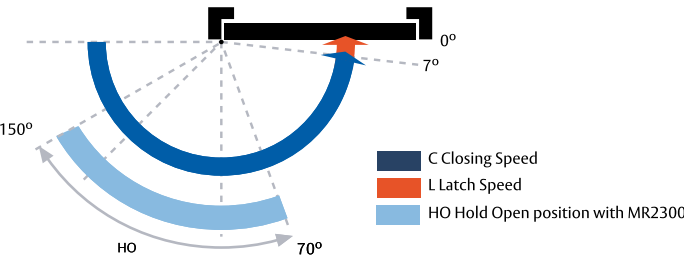
The CT2500 and CT2501 are size 3 when paralell arm mounting is used.

Sliding guide rail closers

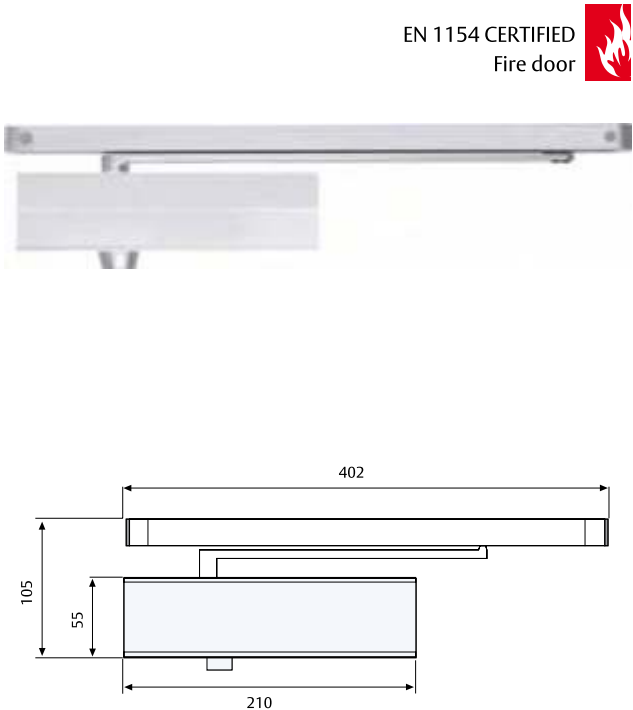
CT2300

Slim design guide rail closer for Standard and Fire Doors of medium and high pedestrian traffic.

- » EN 1154:1996 + A1:2002 certified:
- Mounting at pull side: 4 8 3 1 1 3
- » Progressive rack and pinion mechanism for high efficiency and easy opening.
- » Two separate valves for closing and latching speed adjustment.
- » MR2300 Hold open module allows holding door open up to 120°.
- » Finishes: White (BL), Black (NE), Silver (PL)



Model	Finish
CT230023BL	White
CT230023NE	Black
CT230023OR	Gold
CT230023PL	Silver



EN 1154 CERTIFIED
Fire door

Link arm door closers

CT3000

CT3000 closers offer the most refined size and speed adjustment capability, an outstanding power adjustment scope and impressive hydraulic control for heavy doors up to 160 kg. These and other characteristics make it be the professionals choice for any heavy duty door subjected to high traffic volumes, wind draughts or even abuse.

» EN1154 certified: EN1154:1996+A1:2002

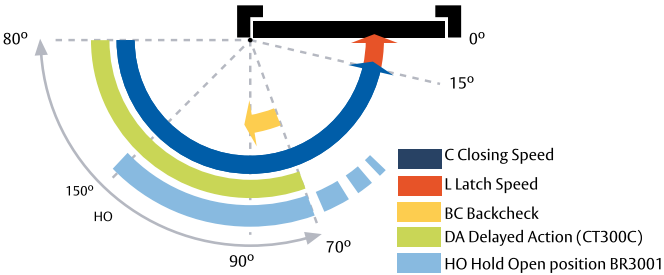
CT300036 with link arm: 4 8 2/6 1 1 4

CT300036 with guide rail: 4 8 1/4 1 1 4

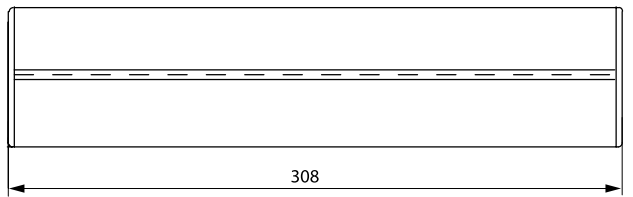
- » Continuously adjustable size from EN2 to EN6.
- » CT300036 combined with guide rails is size adjustable from EN1 to EN4.
- » Backcheck valve to protect the door against violent openings.
- » CT300C36 includes Delayed Action valve.
- » DCL192: Adjustable hold open arm.
- » Internal Safety Valves protect the closer mechanism and door environment from rough or abusive use thanks to, their pressure relief action.
- » Outstanding thermal behaviour. Working temperature: -35°C to 50°C



EN 1154 CERTIFIED
Fire door



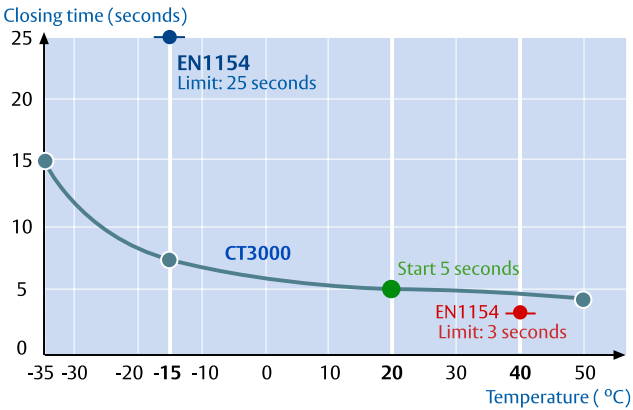
Extendable height spindle 14 mm.



CT300036 - CT300C36				
Size	B.C (Back check)	D.A (Delayed action)	Model	Finish
2 - 6	Yes	-	CT300036BL	White
2 - 6	Yes	-	CT300036NE	Black
2 - 6	Yes	-	CT300036OR	Gold
2 - 6	Yes	-	CT300036PL	Silver
2 - 6	Yes	-	CT300036IM	Stainless steel
2 - 6	Yes	Yes	CT300C36BL	White
2 - 6	Yes	Yes	CT300C36NE	Black
2 - 6	Yes	Yes	CT300C36OR	Gold
2 - 6	Yes	Yes	CT300C36PL	Silver
2 - 6	Yes	Yes	CT300C36IM	Stainless steel

Size (EN 1154)	Door width cm	Door weight Kg
2	85	40
3	95	60
4	110	80
5	125	100
6	140	120
7	160	160

CT3000: Stable under any circumstance
Closing time versus temperature



Concealed doorclosers

TEX703

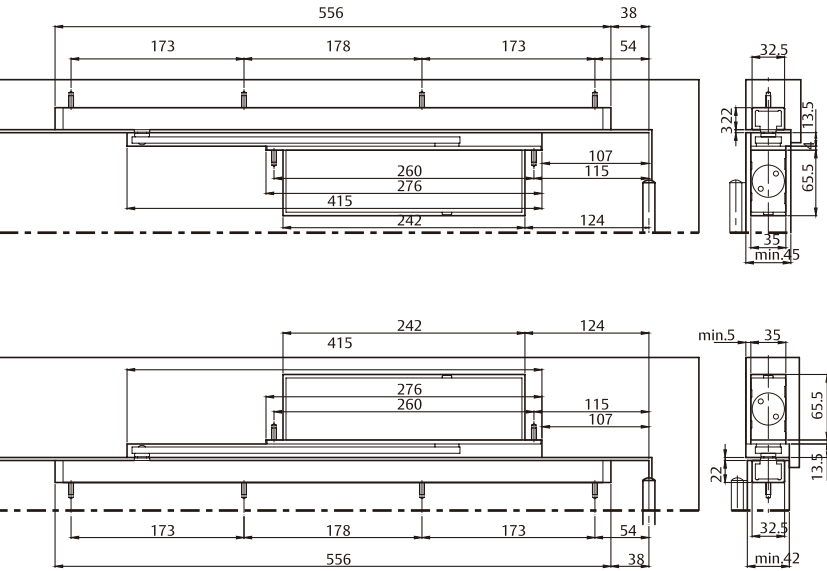
Concealed door closer

» Classificacian with EN1154:1996 + A1:2002

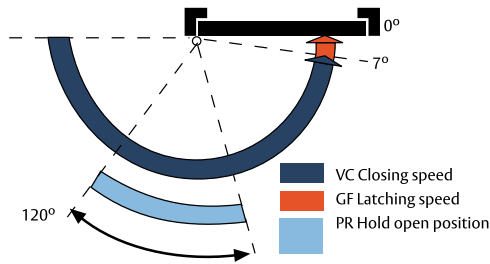
3 8 3 1 1 4

- » TEX703 model is ideal for door width of 95 cms. and can be used in Fire Doors.
- » The closer body and guide rail are supplied together in a single package.
- » Independent valve adjustment for closing and latching speeds
- » Optional Hold Open function can be obtained ordering the MR2300 Hold Open module. (Max. 120°)

Model	EN Size	Door width	Door weight	Adjust-ments	Finish
TEX703	3	95	60	VC - GF	Silver
MR2300	Hold open module	-	-	-	-



EN 1154 CERTIFIED
Fire door



Concealed doorclosers

TEX14

The arquitectural grade concealed closer offering superior performance and aesthetics.
» Size is continously adjustable EN1-EN4

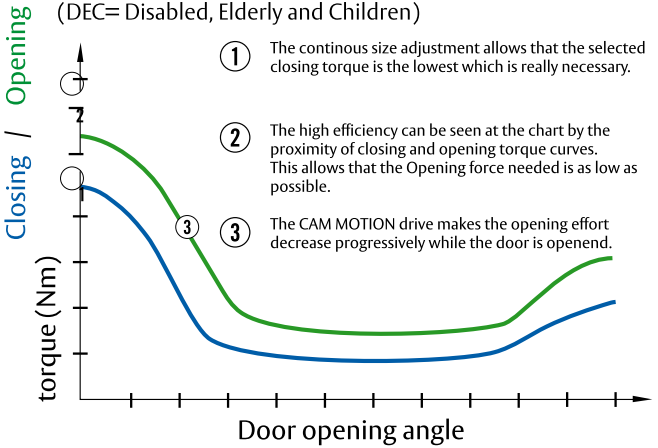
Classification with EN1154: 1996 + A1: 2002

3 8 4/1 1 1 3

- » Suitable for almost any aluminium door thanks to the small cross section: 32 x 42 mm
- » Suitable for any wooden door with thickness from 40 mm.
- » The symmetric CAM MOTION mechanism provides UNIVERSAL versatility, allowing quick and easy mounting in any door.
- » Independent valve adjustment for closing and latching speeds.
- » Internal safety valve with pressure relief action.
- » Compatible for use with the DCG880, DCG881 and DCG882 guide rail system for the widest solutions range in single or double Fire Door equipment.

The CAM MOTION drive:

- » The TEX14 works with the exclusive symmetric CAM MOTION drive that the brilliant CT5000 has made famous.
- » By achieving the highest efficiency and torque output characteristics, the TEX14 makes the door opening feel smooth as silk while assuring a reliable door closing under all circumstances.
- » Approved for use in DEC environment like Elderly homes, health care environments and kindergartens. (DEC= Disabled, Elderly and Children)



Size (EN 1154)	Door width cm	Door weight Kg	Adjustments
1 - 4	70 - 110	20 - 80	VC - GF

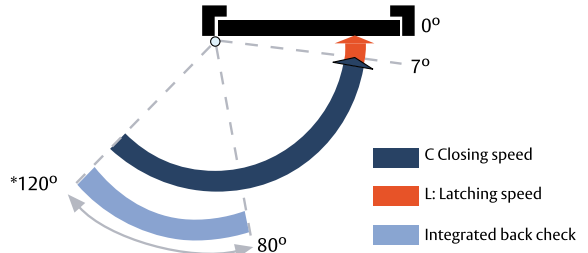
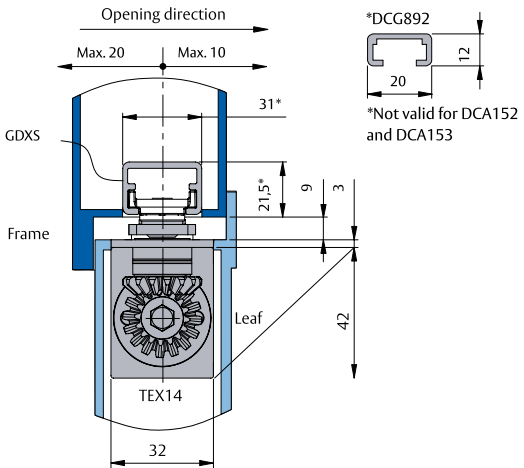
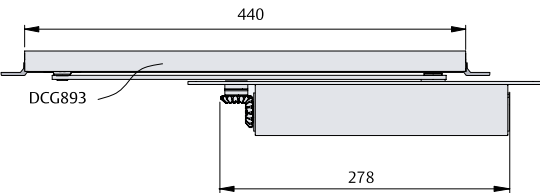
Product code	Description	Finish
TEX14	Concealed doorcloser EN1-4	PL
DCG893-----EV1-	Guide rail 31x21	PL
DCG892-----EV1-	Guide rail 20x12	PL

Accessories	Description
DCA162-----40	Mounting KIT for TEX14
DCA152-----	Hold open device for DCG893
DCA153-----	Opening damper DCG893
DCA156-----	Hold open device for DCG892
DCA157-----	Opening damper for DCG892

EN 1154 CERTIFIED
Fire door



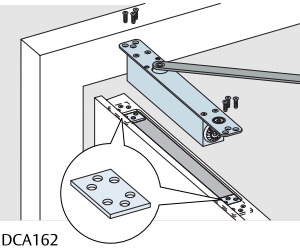
TEX14 with DCG892



* Hydraulic control from 120°

DCA162

Kit of two mounting plates for metal doors. They allow that the closer installation is flush with the door top surface.



Panic exit device



ASSA ABLOY

Public buildings and most industrial, official and commercial buildings are generally confronted to two main problems: safety and security. TESA ASSA ABLOY offers several solutions for emergency exit equipment, allowing for secure and efficient evacuations in panic or emergency situations.

Push type panic exit devices

LITE Series

What sets push type panic exit devices apart is the way they are operated – in order to open the door you only need a push-like gesture, and the door will open easily.



- Can be adapted to various demands, both functional and aesthetic, and it is possible to add new options afterwards with minimum changes, being easily interchangeable.
- Easy installation.
- Very easy reversibility.

UNIVERSAL Series

- Provide solutions for any type of assembly, both for single and double leaf doors.
- Easily reversibility.
- Narrow support pieces for small size profiles.



1910

- Rim panic device with a lateral lock point.



1970

- Mortice Model for single doors.
- Certificated locks: CF60, 2035T, 2037F, 4039T, 2230BA and 2240PA.

Panic exit device



ASSA ABLOY



Touch type panic exit devices

Touch type panic exit devices are operated by sliding the hand along the surface of the panic exit device. In this category we find the TOP bar, which makes it possible (due to the orbital technology) to open the door with minimum effort.



QUICK Series

- Flexible product with a wide range of option.
- Possibility to be adapted to various demands, even adding new options afterwards with minimum changes.
- Very easy to install

TOP Series

- Sliding panic exit bar with top-range features
- Ideal for frequently used doors and certified for 2,000,000 cycles.
- Orbital latch that makes it possible to open doors with minimum effort, and an anticard device that makes it the ideal solution when we wish to combine a high degree of security with maximum personal safety.



TOP 1S


- Rim panic device with a lateral locking point.



TOP 1E


- Mortice model: single leaf solution.

Vertical Panic Bar




Rim model: 1920

Rim panic device with 2 locking points with steel roller bolts. Used when a rim strike can not be installed in the lower locking point.
EN 1125 certification:



Rim model. LITE20

Rim panic device with 2 locking points with steel roller bolts. Used when a rim strike can not be installed in the lower locking point.
EN 1125 certification:



Rim model. QUICK20

Rim panic device with 2 locking points with steel roller bolts. Used when a rim strike can not be installed in the lower locking point.
EN 1125 certification:

Outside lever handle for Rim version

The new Lite and Quick serie required and a new specific outside trim, with and enhancing design, in line with the panic exit device.

This new outside trim is available in the following versions:

- » Free passing way
- » Lever handle with cylinder
- » Swing pool knob with cylinder
- » Fix knob with cylinder opening

Body	Lever handle		
	N	B	G
N	•		
S		•	
G			•

N: black (RAL 9005)
B: white (RAL 9010)
G: silver (RAL 9006)



This new outside trim also includes a new concept called CAPTIVE KEY, preventing the key to be extracted when the door is in free passing way.

The installation is done using through bolts from the PED side, guaranteeing a strong installation for both, outside trim and panic exit device.

Padlocks

When you think of safety, think of TESA. And now we give you yet another reason for doing so: our new range of padlocks. A whole series which helps us to keep ahead of all the other trademarks because our padlocks not only meet the most stringent requirements regarding safety, resistance and durability but they also provide you with advantages that nobody else is able to provide. Once again, TESA is a reference point in terms of security.

Changeable stainless steel series

Security
★★★★

Weatherproof
★★★★★



- Double security locking mechanism.
- Stainless steel shackle.
- Chrome brass casing with extraordinary resistance to corrosion.
- Possibility of keys alike and masterkeying.
- Stainless steel springs.
- Possibility of long chackle.

Security series

Security
★★★★

Weatherproof
★★★★★

- Security padlock.
- Varnished brass casing for better protection.
- Hardened chrome steel shackle with automatic opening.
- Security ball locking mechanism.



High security series

Security
★★★★★

Weatherproof
★★★★★



- High security padlock.
- Standard or flat key cylinder.
- Hardened chrome steel casing.
- Major masterkeying possibilities.
- Visual presentation.
- Security ball locking mechanism.
- Hardened chrome steel shackle.
- Cylinder protection system.

SMARTair® access control system

ARTair®'s intuitive access control software and wireless door entry system provide a detailed security overview of the building: who enters, where and when. With a SMARTair® access control system you stay in control, in real time.

SMART security advantages

- Real-time information: audit trail 24/7, wherever you are, with the click of a button.
- Change access rights and time zones instantly from your PC, tablet or mobile phone.
- No need to walk from door to door to update the access plans or collect the audit trail.
- Remote door control. Instantly unlock or lock a door with a simple click.
- Receive alerts on your email when a device's battery is low, for intrusion attempts or when doors are left open.
- Secure end-to-end encryption from the central server to the door devices.
- Distributed intelligence: 100% stand-alone, operative devices, even under network.

SMART access advantages

- A unique solution for the whole building that can fit in all types of doors and access points: wood, glass, emergency exits and fire-resistant doors, barriers, elevators, etc.
- Full control of all facility access points instantly and from anywhere.
- Cost effective solution: no wiring and fewer elements than traditional access control systems.
- Low maintenance requirement. Door devices are battery operated and have low power consumption.
- Easy to install, no wiring or pre-installation required.
- Robust performance: Mechanical elements, electronics and communications devices are all certificated under EU and International Standards.

SMART use advantages

- Use the SMARTair™ App to open doors instantly from your smartphone.
- No need to go through a card updating spot to update access rights, or for constant card revalidation.
- Create extra access points on the go, even if you work in a multi-site organisation.
- Multiple credentials available to fit every need
- Multiple applications for the same credential (access, payment, transport, etc.). Same credential for access control and for other purposes.
- Intuitive management software. No need for expert personnel or extensive training for system managers, receptionists or the Human Resources Department.



Rim electromagnetic locks

Rim electromagnetic locks are a good choice when an easy installation is required without having to make a recess in the door. They allow different installations: vertical and horizontal, in single or double doors and in out-swinging or in-swinging doors thanks to the optional brackets supplied.

Standard range

- Technical features**
- » Aluminium housing
 - » Operation temperature: -10°C to +55°C
 - » Voltage: 12/24Vdc (Selectable) Tolerance ±10



High security range

- Technical features**
- » Aluminium housing
 - » Operation temperature: -10°C to +55°C
 - » Voltage: 12/24Vdc (Selectable) Tolerance ±10



Electromechanical door holder

- Technical features**
- » EN 1155 Certified
 - » Holding force: 40Kg
 - » Voltage: 24Vdc (1,6W)
 - » Electronic protection integrated
 - » Protection magnet: IP54 / connexion: IP42
 - » 30% Glass fibre housing, resistant to shocks, color deterioration and corrosion.
 - » Articulated armature plate (adjustable up to 60°)
 - » Interchangeable cable entry
 - » Interchangeable push button position
 - » Reliable, no mechanical part
 - » Without residual magnetism



Code Handle

Code Handle is a series of handles of access control without cards or keys, simple and efficient. Designed for any kind of indoor door, both in residential or institutional settings. It is the ideal solution for the most of restricted areas such as offices, warehouses, private areas, closets, etc.



- Electronic handle with integrated digital keypad.
- Very convenient (no cards, no keys).
- Prevents intrusion.
- Attractive design.
- Easy to mount (wireless).

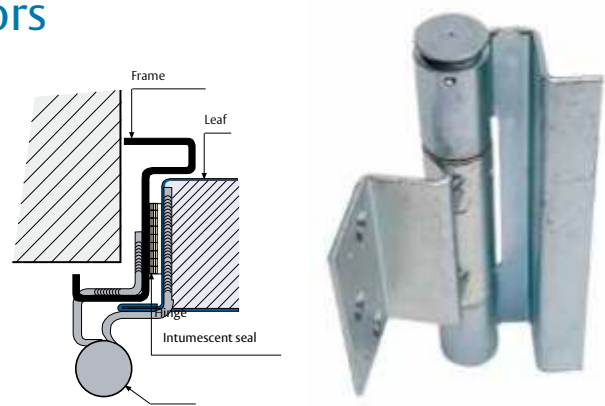
Butt hinges & accessories door



Hinges for certified firebreak doors

- » 3mm thick steel hinge for break doors. Reversible.
- » Certified according to EN1935:2002
- » CE Grade 12 certified for 100 kgs doors and 200.000 cycles.
- » Includes 2 brass friction washers
- » Non plated

Product code	Dimensions
BISCFCE10ST	160x60x36
BISCFCE250ST	160x60x36



Stainless Steel hinge

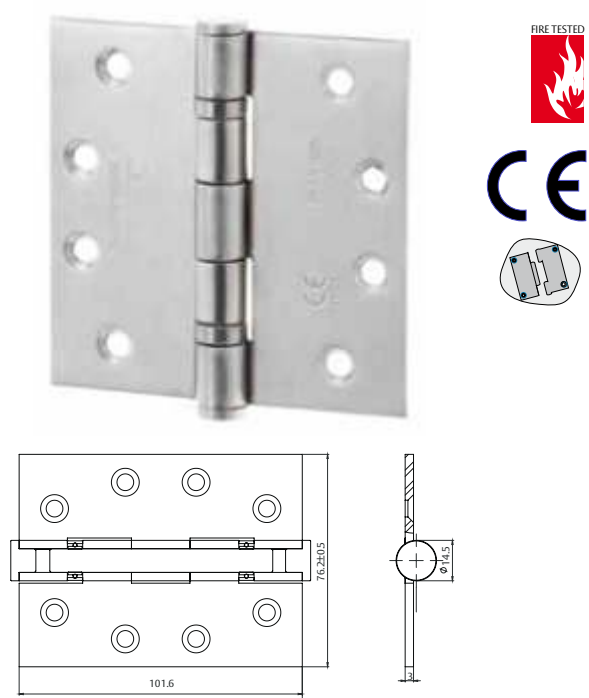
- » Stainless Steel hinge with two ball bearings for break fire doors
- » Extremely corrosion resistance, Grade 4. Reversible.
- » CE Certified according to EN1935:2002

Product code	Finishes	Dimensions
BISCFCE433IS16	IS16	102x76x3 mm
BISCFCE443IS16	IS16	102x102x3 mm

Product code	Finishes	Dimensions
BISCFCEM433IS*	IS304	102x76x3 mm
BISCFCEM443IS*	IS304	102x102x3 mm

*Included MT screws

Product code	Finishes	Dimensions
BISCFCE433IS01	IS201	102x76x3 mm
BISCFCE443IS01	IS201	102x102x3 mm

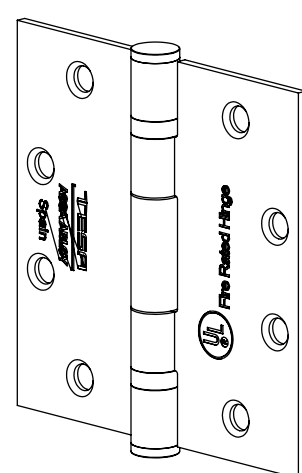


UL Certified Stainless Steel hinges

- » UL10C certified
- » SS304 hinges, with 2 or 4 bearing for fire-break doors
- » 180 minutes Fire-resistance
- » Very high corrosion resistance (Grade 4)
- » Reversible.
- » SS screws included

Reference	Dimensions
BISUL4543IS	114x102x3 - 2 bearing
BISULM45434IS*	114x114x3,4, 2 bearing, metallic doors
BISUL44543IS	114x102x3 - 4 bearing
BISULM45434IS*	114x102x3,4, 2 bearing, metallic doors

*Screws for timber and metal door/ frames.



Butt hinges & accessories door

2300 Gracia Series Plain Button Tip

Article No.	Size Length x Width	Gauge Thickness	Door Weight
2301	3" x 2,5"	2 mm	20 Kg
2302	4" x 3"	2 mm	30 Kg



2200 Gracia Series 2 Ball Bearing

Article No.	Size Length x Width	Gauge Thickness	Door Weight
2200	4" x 3"	2 mm	50 Kg
2201	4" x 3"	3 mm	70 Kg
2202	4" x 4"	3 mm	80 Kg
2204	4,5" x 4"	3 mm	90 Kg
2205	5" x 3"	3 mm	80 Kg



2400 Gracia Series 4 Ball Bearing

Article No.	Size Length x Width	Gauge Thickness	Door Weight
2401	4" x 3"	3 mm	80 Kg
2404	4" x 4"	3 mm	90 Kg
2406	5" x 3"	3 mm	100 Kg



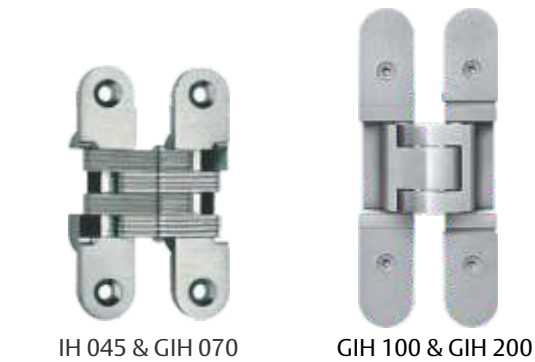
Other Hinges



Pivot Hinges		
Article No.	: Gracia 728, 729, 713	
Finishes	: Stainless Steel	
Finishes	: 120 Kg	



Pivot Hinges		
Article No.	: Art 9A/200	
Finishes	: Stainless Steel	
Finishes	: 200 Kg	



IH 045 & GIH 070 GIH 100 & GIH 200

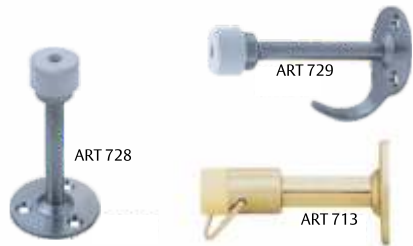
Councealed Hinges

Article No.	Wight Capacity	Minimum Door Thickness
GIH 045	45 kg	35 mm
GIH 070	70 kg	45 mm
GIH 100	100 kg	35 mm
GIH 200	200 kg	45 mm



Pivot Hinges		
Article No.	: Gracia 4000/5"	
Finishes	: Stainless Steel	
Max Weight	: 100 Kg	

Other Accessories



Door Stop		
Article No.	: Gracia 728, 729, 713	
Finishes	: Stainless Steel, P. Brass	



Door Stop		
Article No.	: Gracia 604, 607	
Finishes	: Stainless Steel, P. Brass	



Door Stop		
Article No.	: Gracia 601	
Finishes	: Satin Chrome, P. Brass Satin Brass, Satin Nickel	



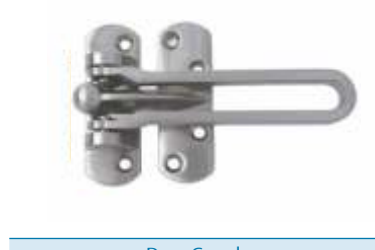
Shaft Door		
Article No.	: Art 542, 543	
Finishes	: Nickel Plate	



Shaft Door		
Article No.	: 544, 545	
Finishes	: Silver	



Door Chain		
Article No.	: CS 1000	
Finishes	: Stainless Steel, P. Brass	



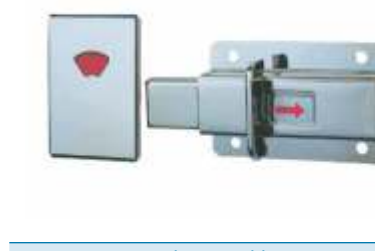
Door Guard		
Article No.	: Art H-28	
Finishes	: Satin Chrome, P. Brass S. Brass, Satin Nickel	



Concealed Door Guard		
Article No.	: DG 004 ZA	
Finishes	: Satin Nickel, P. Brass	



Lavatory Latch		
Article No.	: D 904	
Finishes	: Stainless Steel, P. Brass	



Indicator Bolt		
Article No.	: D 905	
Finishes	: Stainless Steel, P. Brass	



Door Viewer		
Article No.	: T 200	
Finishes	: Satin Chrome, P. Brass	



Dust Proof Strike		
Article No.	: Gracia 115D	
Finishes	: Stainless Steel, P. Brass	

Door Accessories



Flush Bolt
Article No. : Gracia
Finishes : Stainless Steel, P. Brass
Size : 150/200/300/350/600/900 mm



Surface Bolt
Article No. : Best 150-300 mm
Finishes : Stainless Steel



Flush Bolt
Article No. : Rioby 456
Finishes : Silver, Brown
Size : 250 mm



Flush Bolt
Article No. : Nakanishi 555
Finishes : Silver
Size : 250, 350 mm



Automatic Flush Bolt
Article No. : Gracia 375 MJ
Finishes : Stainless Steel



Door Selector
Article No. : New Star N-250
Finishes : Stainless Steel



Single Flush Bolt
Article No. : DL 633A
Finishes : Stainless Steel



Door Seal Rubber
Article No. : DS 020
Finishes : Brown, Black, White



Automatic Door Bottom
Article No. : DW 900
Door Width : 750 - 900 mm
Finishes : Silver



Push Plate
Article No. : Arrow 8-2
Finishes : Stainless Steel



Push Pull
Article No. : Arrow 8-1
Finishes : Stainless Steel



Kick & Amor Plate
Size : 200 X 900 X 1,5 mm
900 X 900 X 1,5 mm
Finishes : Stainless Steel

Window Accessories



TOP HUNG



Top Hung Gracia Style

Article No.	Hinge Thickness	Max Height	Max Width	Max Weight
8"	2 mm	700 mm	700 mm	30 Kg
12"	3 mm	800 mm	800 mm	40 Kg
16"	3 mm	1200 mm	1200 mm	60 Kg
20"	3 mm	1400 mm	1400 mm	70 Kg
24"	3 mm	1500 mm	1500 mm	80 Kg
28"	3 mm	1500 mm	1500 mm	90 Kg
32"	3 mm	1800 mm	1800 mm	100 Kg



SIDE HUNG



Side Hung Gracia Style

Article No.	Hinge Thickness	Max Height	Max Width	Max Weight
ST 8"	3 mm	1000 mm	400 mm	30 Kg
ST 12"	3 mm	1000 mm	600 mm	40 Kg
ST 14"	3 mm	1000 mm	700 mm	50 Kg
ST 16"	3 mm	1000 mm	800 mm	60 Kg

Window Accessories



Window Lock
Article No. : Gracia 116, 117
Finishes : P.Brass, SS



Window Lock
Article No. : Gracia 119, 120
Finishes : Silver, Brown, White



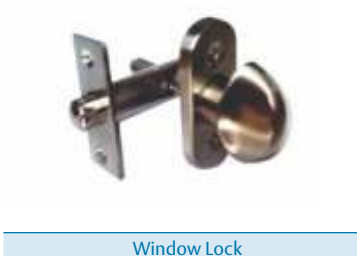
Spring Knip
Article No. : Gracia 317
Finishes : Satin Nickel, Brown, P. Brass



Window Lock
Article No. : OTS 25
Finishes : Silver



Window Lock
Article No. : DC 320
Finishes : Silver



Window Lock
Article No. : Gracia 108
Finishes : Satin Nickel



Surface Barel Bolt
Article No. : Bim S 015, M 015
Finishes : P.Brass



Bar Latch
Article No. : BL 55
Finishes : Stainless Steel



Magnetic Roller Catch
Article No. : D 34
Finishes : Stainless Steel



Casement Stay
Article No. : Gracia 401
Finishes : Nickel, P.Brass



Casement Stay
Article No. : Bim 403/250 mm
Finishes : P. Brass



Cabin Hook
Article No. : Gracia 501
Finishes : Nickel, P. Brass

Our Service



Product
Presentation



Technical
Advisory



Ironmongery
Schedule



Installation Service
Supervision



25 Years
Warranty



24 hours
Customer Care Service

Notes

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Notes

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