

Cylinders

TESA

ASSA ABLOY



Global leaders manufacturing cylinders



TESA cylinders are manufactured according to the most advanced production processes, offering an extremely secure high quality product and meeting the requirements the market demands in every different area.

TESA's range of cylinders includes a great variety of profiles in every system. TESA also offers the possibility of combining mechanical cylinders with access control systems.

Security

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's position as the first European cylinder manufacturer. Our restricted key systems guarantee that no blank keys will be found in the market, thus ensuring protection against counterfeit keys.



Masterkeying capacity

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



A wide range

We have classified our systems according to four standards:

- Type of key (dimple or sawn)
- Restricted key
- Degree of security
- Masterkeying capacity

The combination of such standards has created a peerless range in the market, covering every requisite in projects ranging from the residential to the institutional, from cost-efficient technical systems to high security patented systems, offering the distributor maximum profitability.



Guaranteed by TESA

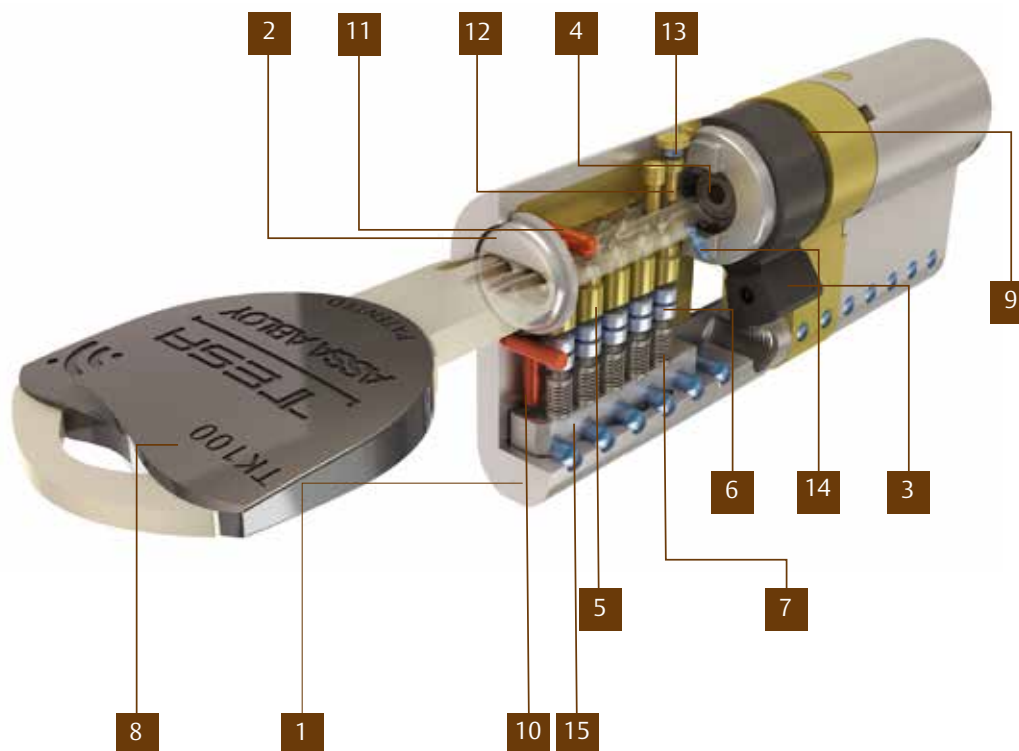
TESA meets the most demanding European standards for architectural fittings, in which cylinders are very important components in terms of protection and personal safety. Specifically, the EN 1303 European standard establishes five degrees of security (fire resistance, security against breakage, number of combinations, durability and corrosion resistance) for cylinders, based on design requisites and on practice tests simulating an attack.

The DIN standard specifies which standards must be met by cylinders in order to obtain masterkeying certifications. Other standards and certifications met by TESA's cylinders are UL (USA), NEN (Holland) and SS (Sweden).



Introduction

- » The terminology employed in order to specify the various components that form a cylinder.
- » Selection criteria. The facts we must bear in mind when prescribing a system.
- » Systems. In this part, we will define the features of each model.
- » Profiles and models for particular applications.
- » Keyings. In which we show the most usual diagrams.



	Description
1	Barrel / Shell / Body. Frame which support the assembly.
2	Rotor / Plug. Is the part where the key is inserted to lock / unlock.
3	Cam. Translates the rotating motion of the key into sliding bolt projection.
4	Clutch. Is the component that connects one rotor, in a double cylinder, with the cam.
5	Lower pin (main row). Determines the permutation of the cylinder.
6	Upper pin (main row). Lower pin counterpart.
7	Springs. Load the pinning.
8	Key. Main accesory. Operates the cylinders.
9	Retaining clips. Fix the cylinder in a functional way.
10	Drill-proof body pin. Gives resistance against drilling and mechanical attacks
11	Drill-proof rotor pin. Gives resistance against drilling and mechanical attacks
12	Lower pin (sec.row). Same function as the main row.
13	Upper pin (sec.row). Same function as the main row.
14	Sensor. Part of the patent. Protec the cylinder against different opening methods.
15	Caps. Keep the pinning loaded

Selection criteria

To select the most adequate model, TESA recommends having 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 the two 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 doors...etc)
- » Format. Key different (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	Dimple	**** ****	**** ****
TX80 Patented	Dimple	*****	*****
TK6 Patented	Sawn	*****	****
T80	Dimple	***	***
T60	Dimple	**	*
TE5	Sawn	*	**

Content

Standard range



TE5. Page 15



TE6. Page 20

Security range



T60. Page 24



T80. Page 31

High security range



TK6. Page 38



TX80. Page 42



TK100. Page 49



Master key systems Page 55

Spare parts Page 58

Standard cylinders (Basic range)

TE5

Security

- » 5 spring loaded pins in one row.
- » Anti pick cylinder lock (Low resistance.)
- » 3 keys of steel nickel plated.
- » Conform to EN-1303 regulation.
- » Master key systems: Low capability.

Security	Masterkeying
*	**



TE6

- » 6 spring loaded pins in one row.
- » Drill protection.
- » Bump proof lock.
- » Anti pick cylinder lock (Low resistance.)
- » 3 keys of nickel plated brass.
- » Conform to EN-1303 regulation.
- » Master key systems: Medium capability using different key ways.

Security	Masterkeying
**	***



Only available for masterkeying

D

Security cylinders (Medium range)

T60

- » 6 spring loaded pins in one row.
- » Drill protection.
- » Bump proof lock.
- » Anti pick cylinder lock (Low resistance.)
- » 5 keys of nickel plated brass.
- » Conform to EN-1303 regulation.
- » Master key systems: Low capability.

Security	Masterkeying
**	*



T80

- » 6+2 spring loaded pins in two rows.
- » Drill protection.
- » Bump proof lock.
- » Anti pick cylinder lock (Medium resistance.)
- » 5 keys made of nickel silver.
- » Conform to EN-1303 regulation.
- » Master key systems: Medium capability.

Security	Masterkeying
***	***



Patented cylinders (High-end range)

TK6

- » Patented saw key with security sensor.
- » 6 pin tumbler in one row.
- » Drill protection grade 1.
- » Bump proof lock.
- » Anti pick cylinder lock (High resistance.)
- » 3 patented keys with security sensor.
- » Conform to EN-1303 regulation.
- » Master key systems
- » Medium capability in combination with multi-point pin tumbler platform.

Security	Masterkeying
*** **	** **



TX80

- » Patented dimple key with security sensor.
- » 6+2 pins in two rows.
- » Drill protection grade 2.
- » Bump proof lock.
- » Anti pick cylinder lock (High resistance.)
- » Key copies protected with security card.
- » Clutch of double security.
- » 5 key units per cylinder.
- » Conform to EN-1303 regulation.
- » Master key systems:
- » High capacity using multi-point patented pins.

Security	Masterkeying
*** ***	*** **

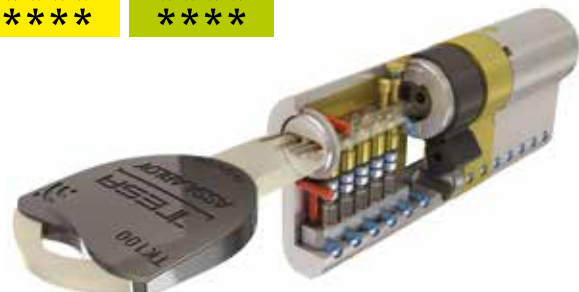
 New patent



TK100

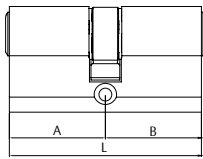
- » Patented dimple key with security sensor.
- » 5+5 multi-point pins in two rows (Exclusive TESA technology.)
- » Highest drill protection.
- » Rotor with shield integrated.
- » Advanced bump proof lock.
- » Anti pick cylinder lock (100% resistant).
- » Anti pull and anti snap features.
- » Key copies protected with security card.
- » Clutch of double security.
- » 5 key units per cylinder.
- » Conform to EN-1303 regulation.
- » Master key systems:
- » Maximum power of combination thanks to the exclusive multi-point pinning technology.

Security	Masterkeying
**** ****	**** ****

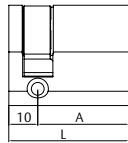


Profiles

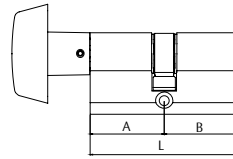
Euro double cyl.



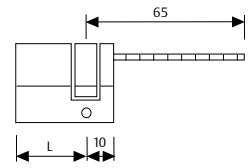
Euro single cylinder



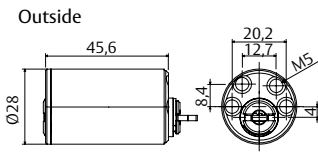
Knob cylinder



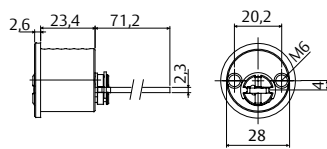
Adjustable european



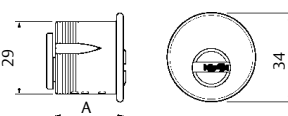
Round cylinder



Adjustable round cyl.



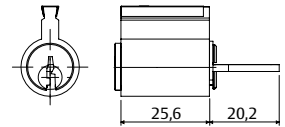
BRA



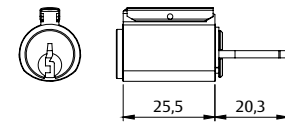
For knobsets (AM-KD-A)



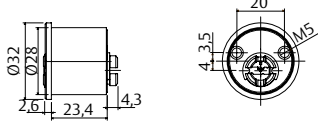
Master keyed



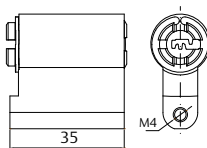
Key different and alike



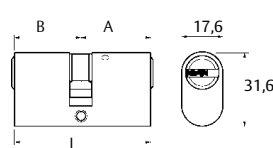
Outside



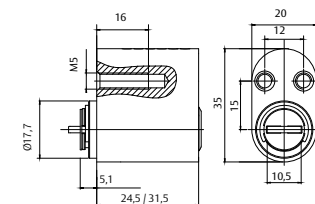
Padlocks



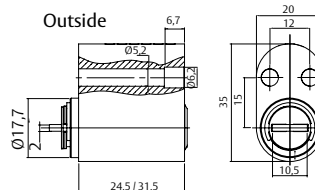
Oval english



Scandinavian (Frontal fixing)

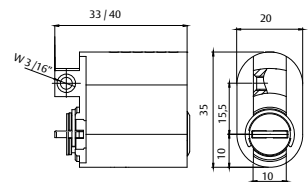


Outside



Inside

Lateral fixing model.



Profiles

682 Switching lock

Cylinders designed to commute an electric circuit using a key. There are three different models.

682 M23 model

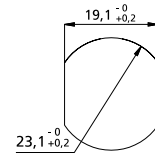
Options

- » 2C. Includes 2 switches commuting two circuits simultaneously.
- » 1C. One only switch activates a circuit.
- » CR. Made with one switch and automatic return..
- » 2P. Lets to extract the key in two different positions. (Only available in Tx80 range)

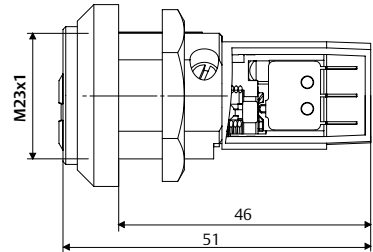
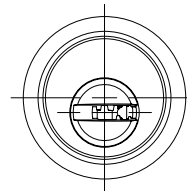
Applications

- » Lift, garages and automatisms in general.

Max. Voltages: 0-15 VAC / 5A and 15-30 VAC/ 3A



Required housing for installation.



682 M27 model

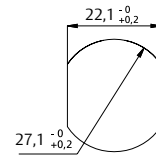
Options

- » 2C. Includes 2 switches commuting two circuits simultaneously.
- » 1C. One only switch activates a circuit.
- » CR. Made with one switch and automatic return.

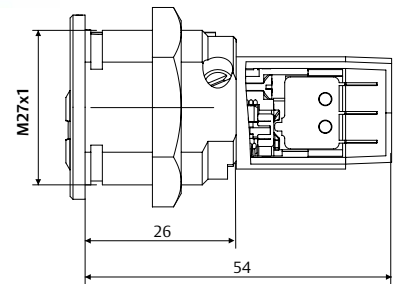
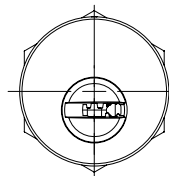
Applications

- » Lift, garages and automatisms.

Max. Voltages: 0-15 VAC / 5A and 15-30 VAC/ 3A



Required housing for installation.



683 model

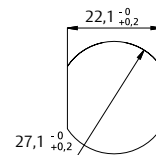
Options

- » 1C. One switch and a cam to activate an only circuit.
- » CR. Made with one switch and automatic return.

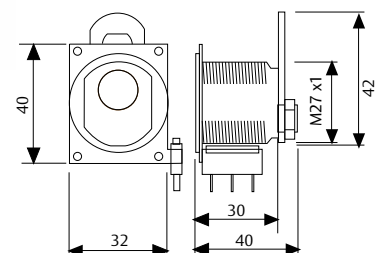
Applications

- » Ascensores, garajes y automatismos.

Max. Voltages: 0-15 VAC / 5A and 15-30 VAC/ 3A



Required housing for installation.



Profiles

682 cam locks

There are two versions available (M23 and M27) provided each with the lever shown on the technical drawing.

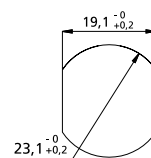
682 cam lock M23.

Options

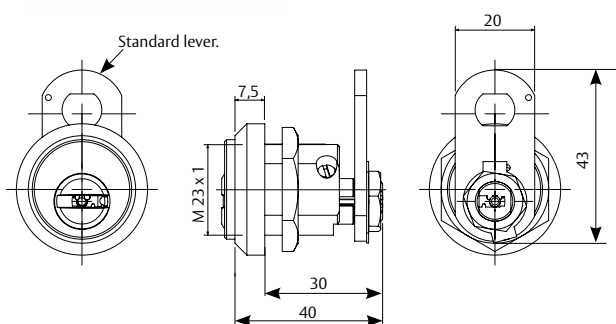
» Different locking lever designs for different door thicknesses.

Applications

» Mail boxes, Box offices...etc.



Required housing for installation.



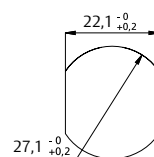
682 M27 cam-lock.

Options

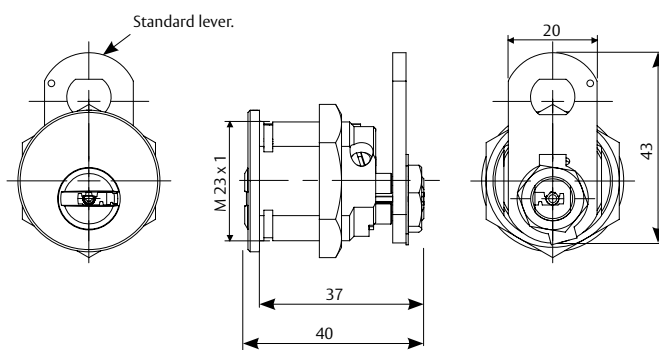
» Different locking lever designs for a range of door thicknesses.

Applications

» Safes, box offices...etc.



Required housing for installation.



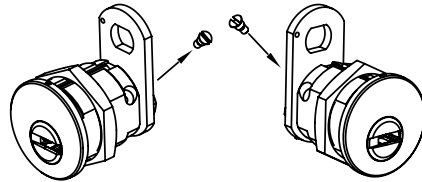
Profiles

682 Cam-lock (Considerations)

1. Opening type (possibilities)

This cam lock can be adapted very easily if you need to modify the standard turning. There is only to change the side where screw shown in the image is located.

The standard lever is 43mm long and flat and can be installed either vertical or horizontally. Thanks to the double window stamped at both sides.

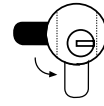
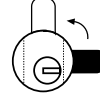
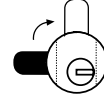
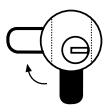


Turn to the right (Standard)

Turn to the left (Fixing screw changed) Vertical window.

Turn to the right. Horizontal window.

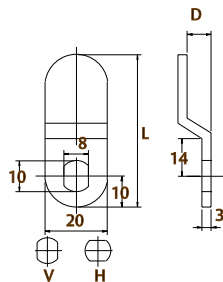
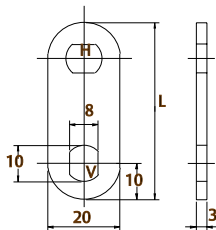
Turn to the left (Fixing screw changed) and horizontal window.



Lever black = locked / Lever white = Unlocked

2. Length and bent of the lever.

For those cases where a lever different to standard is needed we select the most appropriated from the list below.



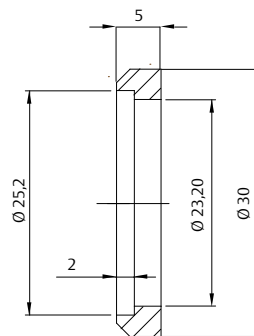
Length	Window	Product code
37	V + H	LEVA37VH
40	V + H	LEVA40VH
43	V + H	LEVA43VH
46	V+H	LEVA46VH

Length	Window	Product code
46	8	LEVA46VD8
46	8	LEVA46HD8
48	6	LEVA48VD6
48	6	LEVA48HD6

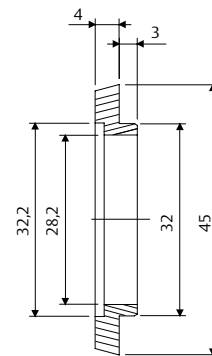
Minimum order qty. 5

3. Ring shields.

Useful when the length of cylinder is too much. There is one model for each shell dimension (M23 & M27)



ESCUM23MN2
(For cylinders M23)

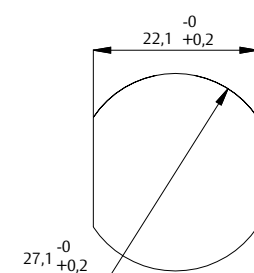
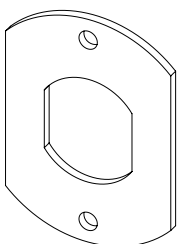


ESCEXTREG
(For cylinders M27)

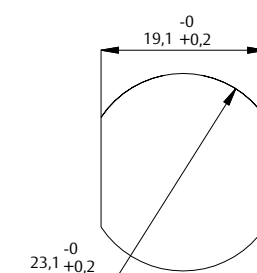
4. Anti-turn plate.

Scope of delivery: 5 units.

Their mission is to avoid turning the cylinder while the user is operating with the key.



Anti-turn M27 technical measures of the hole



Anti-turn M23 technical measures of the hole



Profiles

Modularity

New version in European profile thought to complete the range of measurements that are not available with the regular part numbers.

In addition to that, the modular version strengthens the core of the shell thanks to the union bar used which is made of steel.

To transfer an order using the corresponding part numbers (see the chapter T60, T80 and TX80) the specific dimension for side A-B will be required. The cam only if it is not R15 (DIN version).



Cases and system heads.

Solution developed to assemble unusual measurements in a quick and simple way.

Advantages:

- » Snap resistance. With these assemblies you will increase this level.
- » Express deliveries. Cylinders can be assembled in the hardware store.
- » To assemble every cylinder format (double, single, knob...) or measurement, TESA recommends both kits and the heads (available from T60).



Modular kit.

Includes all the parts related with the modular assembling.



Spare part kit.

Contains all the regular components used in general with the different cylinder profiles.

Standard cylinder TE5

Technical data

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

Characteristics

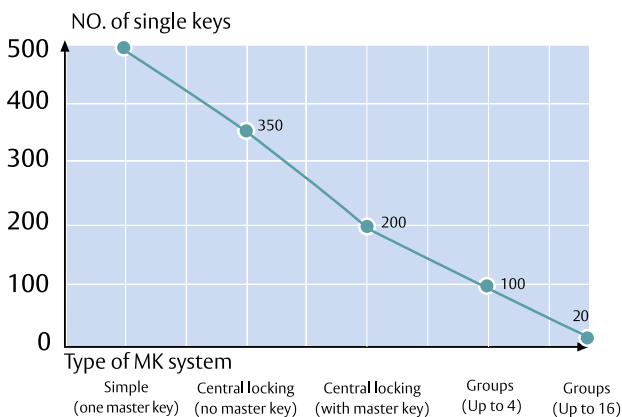
- » Type: Sawn key. (Steel nickel plated).
- » NO. of rows: 1
- » NO. of pins: 5
- » Technology: Tumbler regular.
- » Permutation level: Grade 5.
- » Corrosion resistance: Grade B.
- » Pick protection: Medium level.
- » Lifespan: 50,000 test cycles.
- » 3 keys per cylinder.
- » Conform to EN-1303 regulation.

Options

- » Finishes: Brass / Nickel plated.
- » Cam: DIN R15 and R13
- » Formats available: Key different, 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 can face master key systems with total working guarantee. Capability graph (Average quantities)



Security	Masterkeying
*	*



European standard regulation

In the same way as the main models included in the catalogue, TE5 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)								

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.



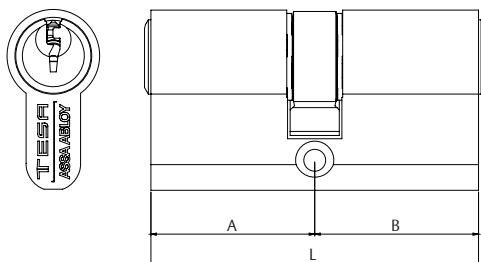
Standard cylinder TE5

European profile



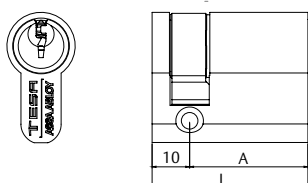
50 units (L≤90)
30 units (L>90)

Double european.



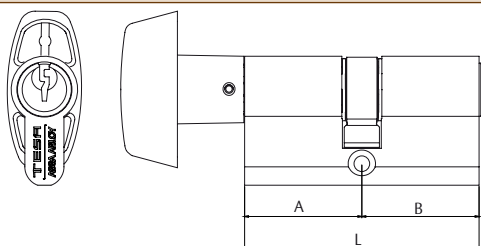
L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish
60	30	30	5030 30 30 L	Brass	5030 30 30 N	Nickel
65	30	35	5030 30 35 L	Brass	5030 30 35 N	Nickel
70	30	40	5030 30 40 L	Brass	5030 30 40 N	Nickel
70	35	35	5030 35 35 L	Brass	5030 35 35 N	Nickel
75	30	45	5030 30 45 L	Brass	5030 30 45 N	Nickel
75	35	40	5030 35 40 L	Brass	5030 35 40 N	Nickel
80	30	50	5030 30 50 L	Brass	5030 30 50 N	Nickel
80	35	45	5030 35 45 L	Brass	5030 35 45 N	Nickel
80	40	40	5030 40 40 L	Brass	5030 40 40 N	Nickel
85	35	50	5030 35 50 L	Brass	5030 35 50 N	Nickel
90	30	60	5030 30 60 L	Brass	5030 30 60 N	Nickel
90	35	55	5030 35 55 L	Brass	5030 35 55 N	Nickel
90	40	50	5030 40 50 L	Brass	5030 40 50 N	Nickel
90	45	45	5030 45 45 L	Brass	5030 45 45 N	Nickel
100	30	70	5030 30 70 L	Brass	5030 30 70 N	Nickel
100	40	60	5030 40 60 L	Brass	5030 40 60 N	Nickel
100	50	50	5030 50 50 L	Brass	5030 50 50 N	Nickel
110	30	80	5030 30 80 L	Brass	5030 30 80 N	Nickel
110	50	60	5030 50 60 L	Brass	5030 50 60 N	Nickel
120	30	90	5030 30 90 L	Brass	5030 30 90 N	Nickel
120	40	80	5030 40 80 L	Brass	5030 40 80 N	Nickel
120	60	60	5030 60 60 L	Brass	5030 60 60 N	Nickel
130	30	100	5030 31 00 L	Brass	5030 31 00 N	Nickel
140	40	100	5030 41 00 L	Brass	5030 41 00 N	Nickel
150	50	100	5030 51 00 L	Brass	5030 51 00 N	Nickel
160	60	100	5030 61 00 L	Brass	5030 61 00 N	Nickel

Single european



L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish
40	30	10	5030 30 10 L	Brass	5030 30 10 N	Nickel
45	35	10	5030 35 10 L	Brass	5030 35 10 N	Nickel
50	40	10	5030 40 10 L	Brass	5030 40 10 N	Nickel
60	50	10	5030 50 10 L	Brass	5030 50 10 N	Nickel
70	60	10	5030 60 10 L	Brass	5030 60 10 N	Nickel
80	70	10	5030 70 10 L	Brass	5030 70 10 N	Nickel
90	80	10	5030 80 10 L	Brass	5030 80 10 N	Nickel
100	90	10	5030 90 10 L	Brass	5030 90 10 N	Nickel

Knob european

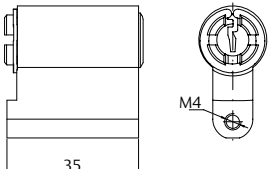


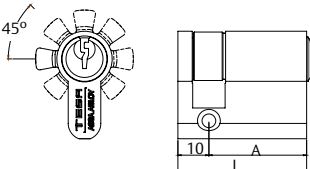
L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish
60	30	30	503B 30 30 L	Brass	503B 30 30 N	Nickel
65	30	35	503B 30 35 L	Brass	503B 30 35 N	Nickel
70	35	35	503B 35 35 L	Brass	503B 35 35 N	Nickel
70	40	30	503B 40 30 L	Brass	503B 40 30 N	Nickel
80	30	50	503B 30 50 L	Brass	503B 30 50 N	Nickel
80	40	40	503B 40 40 L	Brass	503B 40 40 N	Nickel
85	35	50	503B 35 50 L	Brass	503B 35 50 N	Nickel
90	30	60	503B 30 60 L	Brass	503B 30 60 N	Nickel
90	45	45	503B 45 45 L	Brass	503B 45 45 N	Nickel

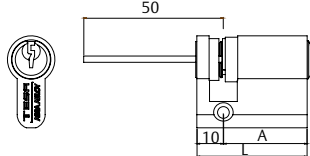
*To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

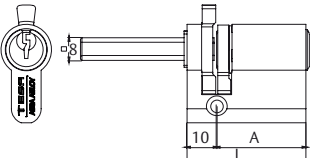
Standard cylinder TE5

European profile

Padlock exchangeable	L	A	B	Product code	Finish
	-	-	-	T53CL55L	Brass
	-	-	-	T53CL55N	Nickel

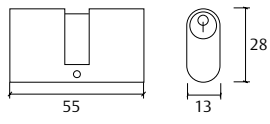

Adjustable cam. Single profile (8 positions)	L	A	B	Product code	Finish
	40	30	10	T53W3010L	Brass
	40	30	10	T53W3010N	Nickel

Adjustable european cylinder	L	A	B	Product code	Finish
	40	30	10	TE5R3010L	Brass
	40	30	10	TE5R3010N	Nickel
	50	40	10	TE5R4010L	Brass
	50	40	10	TE5R4010N	Nickel

Euro cylinder for lock set 3,520.	L	A	B	Product code	Finish
	40	30	10	552000LT	Brass
	40	30	10	552000LN	Nickel

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

Oval profile

Oval profile for lock set 2,220*	L	A	B	Product code	Finish
	54	27	27	522060LN	Nickel
	54	27	27	522060LT	Brass 

* It is not TE5. (MKS / KA not available)

D

Standard cylinder TE5

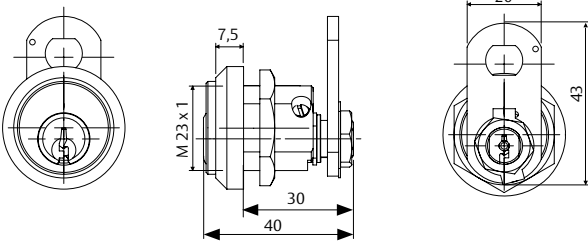
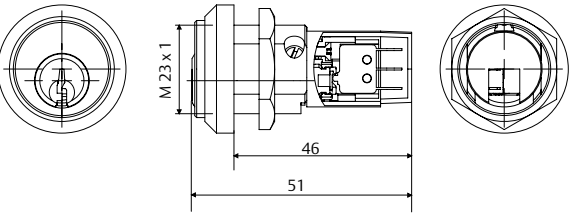
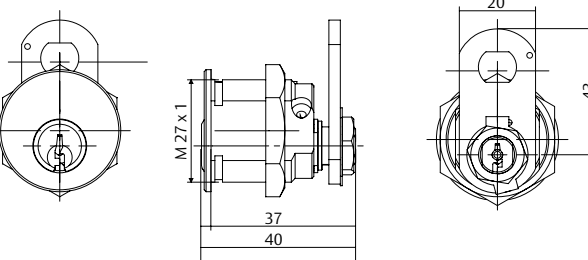
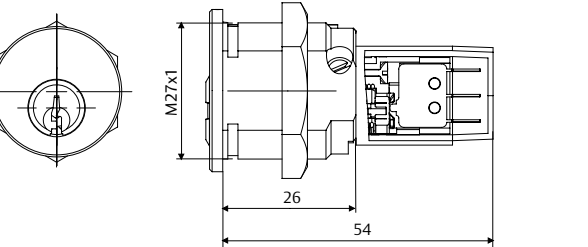
Round profiles

Model 5000		Ø	Inside length	Outside length	Product code	Finish
		28	26 mm	26 mm	500000LT	Brass
Adjustable round cylinder		Ø	Inside length	Outside length	Product code	Finish
		27	-	Adjustable	55TE00LT	Brass
		27	-	Adjustable	55TE00LN	Nickel
Nuova-FEB "Multipla"		Ø	Inside length	Outside length	Product code	Finish
Inside		25	25 mm	50 mm	TE5STPFL	Brass
		In = 25 Out = 28	25 mm	Adjustable	TE5STPRL	Brass
		28	-	Adjustable	TE5STPURL	Brass
Outside (fix tail)						
Outside adjustable.						
Round for AUMON locks		Ø	Inside length	Outside length	Product code	Finish
		26	-	Adjustable	T53REGAUHL	Brass
		26	-	Adjustable	T53REGAUHN	Nickel
		Accessories	Length		Product code	Finish
		TUBE	22		TUB2526L22L	Brass
		TUBE	22		TUB2526L22N	Nickel
Round for STEP Lock		Ø	Inside length	Outside length	Product code	Finish
	In = 25	20 mm	Adjustable	55EITE5POLI3LT	Brass	
	Out = 28					
	In = 25	20 mm	Adjustable	55EITE5POLI3LN	Nickel	
	Out = 28					

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

Standard cylinder TE5

Round profiles

682			Metric	Type	Function	Product code	Finish
	23	Mechanic	-	682M23T5NM	Nickel		
	23	Electric	1 micro + retorno	682M23T5CR	Nickel		
	27	Mechanic	-	682M27T5NM	Nickel		
	27	Electric	1 switch.	682M27T51C	Nickel		
	27	Electric	1 switch & return.	682M27T5CR	Nickel		
	27	Electric	2 switches	682M27T52C	Nickel		

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

D

Standard cylinder TE6

Technical data

A cylinder designed to solve medium complexity master key suits. In addition, it includes a higher level of passive protections. Such as anti drill pins, bump proof pinning...etc.

Characteristics

- » Type: Sawn key. (Brass nickel plated).
- » NO. of rows: 1
- » NO. of pins: 6
- » Technology: Tumbler regular.
- » Permutation level: Grade 6.
- » Corrosion resistance: Grade B.
- » Pick protection: Medium level.
- » Drill resistant.
- » Bump proof cylinder lock.
- » Lifespan: 50,000 test cycles.
- » 3 keys per cylinder.

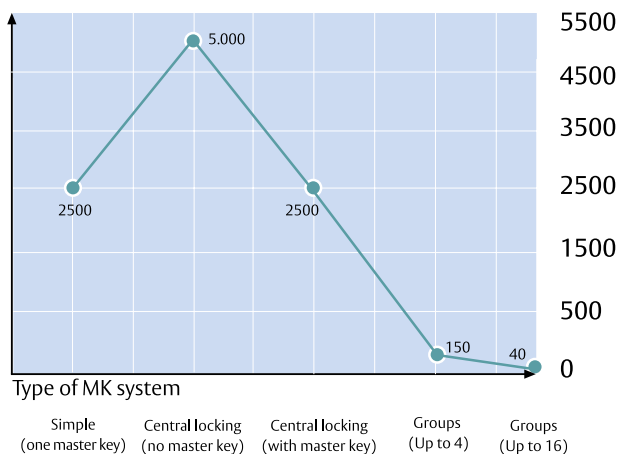
Options

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

Master key systems.

In addition to combine 10 heights per position this model has the possibility of using 3 different key profiles.

Regular tumbler platform & key ways KT series
N° of single keys



! Only available for masterkeying

Security **	Masterkeying ** *
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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.


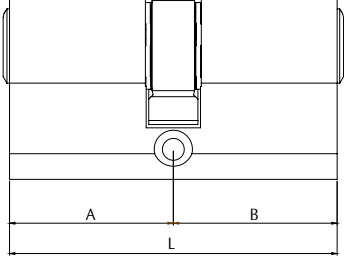

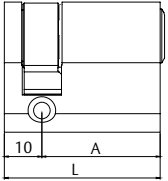

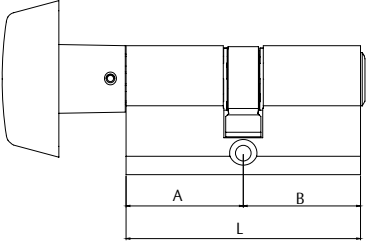


Standard cylinder TE6

European profile

! Only available for masterkeying

 50 units. (L≤90)
30 units. (L>90)

Double european		L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish
		60	30	30	TE65 30 30 L	Brass	TE65 30 30 N	Nickel
		65	30	35	TE65 30 35 L	Brass	TE65 30 35 N	Nickel
		70	30	40	TE65 30 40 L	Brass	TE65 30 40 N	Nickel
		70	35	35	TE65 35 35 L	Brass	TE65 35 35 N	Nickel
		75	30	45	TE65 30 45 L	Brass	TE65 30 45 N	Nickel
		75	35	40	TE65 35 40 L	Brass	TE65 35 40 N	Nickel
		80	30	50	TE65 30 50 L	Brass	TE65 30 50 N	Nickel
		80	35	45	TE65 35 45 L	Brass	TE65 35 45 N	Nickel
		80	40	40	TE65 40 40 L	Brass	TE65 40 40 N	Nickel
		85	35	50	TE65 35 50 L	Brass	TE65 35 50 N	Nickel
		90	30	60	TE65 30 60 L	Brass	TE65 30 60 N	Nickel
		90	35	55	TE65 35 55 L	Brass	TE65 35 55 N	Nickel
		90	40	50	TE65 40 50 L	Brass	TE65 40 50 N	Nickel
		90	45	45	TE65 45 45 L	Brass	TE65 45 45 N	Nickel
		100	30	70	TE65 30 70 L	Brass	TE65 30 70 N	Nickel
		100	40	60	TE65 40 60 L	Brass	TE65 40 60 N	Nickel
		100	50	50	TE65 50 50 L	Brass	TE65 50 50 N	Nickel
		110	30	80	TE65 30 80 L	Brass	TE65 30 80 N	Nickel
		110	50	60	TE65 50 60 L	Brass	TE65 50 60 N	Nickel
		120	30	90	TE65 30 90 L	Brass	TE65 30 90 N	Nickel
		120	40	80	TE65 40 80 L	Brass	TE65 40 80 N	Nickel
		120	60	60	TE65 60 60 L	Brass	TE65 60 60 N	Nickel
		130	30	100	TE65 31 00 L	Brass	TE65 31 00 N	Nickel
		140	40	100	TE65 41 00 L	Brass	TE65 41 00 N	Nickel
		150	50	100	TE65 51 00 L	Brass	TE65 51 00 N	Nickel
		160	60	100	TE65 61 00 L	Brass	TE65 61 00 N	Nickel
Single european.		L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish
		40	30	10	TE65 30 10 L	Brass	TE65 30 10 N	Nickel
		45	35	10	TE65 35 10 L	Brass	TE65 35 10 N	Nickel
		50	40	10	TE65 40 10 L	Brass	TE65 40 10 N	Nickel
		60	50	10	TE65 50 10 L	Brass	TE65 50 10 N	Nickel
		70	60	10	TE65 60 10 L	Brass	TE65 60 10 N	Nickel
		80	70	10	TE65 70 10 L	Brass	TE65 70 10 N	Nickel
		90	80	10	TE65 80 10 L	Brass	TE65 80 10 N	Nickel
		100	90	10	TE65 90 10 L	Brass	TE65 90 10 N	Nickel
Knob european.		L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish
		60	30	30	TE6B 30 30 L	Brass	TE6B 30 30 N	Nickel
		65	30	35	TE6B 30 35 L	Brass	TE6B 30 35 N	Nickel
		70	35	35	TE6B 35 35 L	Brass	TE6B 35 35 N	Nickel
		70	40	30	TE6B 40 30 L	Brass	TE6B 40 30 N	Nickel
		80	30	50	TE6B 30 50 L	Brass	TE6B 30 50 N	Nickel
		80	40	40	TE6B 40 40 L	Brass	TE6B 40 40 N	Nickel
		85	35	50	TE6B 35 50 L	Brass	TE6B 35 50 N	Nickel
		90	30	60	TE6B 30 60 L	Brass	TE6B 30 60 N	Nickel
		90	45	45	TE6B 45 45 L	Brass	TE6B 45 45 N	Nickel

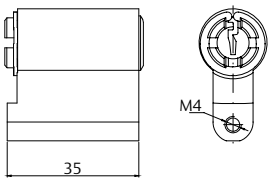
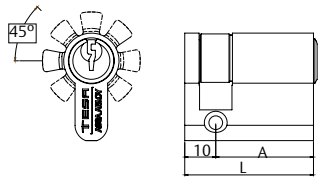
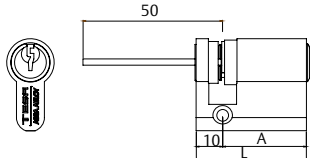
* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

D

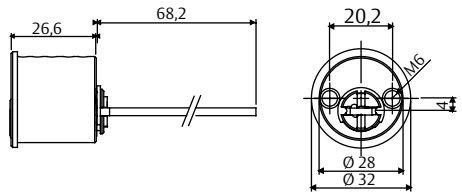
Standard cylinder TE6

! Only available for masterkeying

European profile

Padlock exchangeable.		L	A	B	Product code	Finish
	-	-	-	TE6CL55L	Brass	
	-	-	-	TE6CL55N	Nickel	
Adjustable cam. Single profile (8 positions).		L	A	B	Product code	Finish
	40	30	10	TE6W3010L	Brass	
	40	30	10	TE6W3010N	Nickel	
Adjustable european cylinder.		L	A	B	Product code	Finish
	40	30	10	TE6R3010L	Brass	
	40	30	10	TE6R3010N	Nickel	
	50	40	10	TE6R4010L	Brass	
	50	40	10	TE6R4010N	Nickel	

Round profiles

Adjustable round cylinder		Ø	Inside lenght	Outside lenght	Product code	Finish
	28	-	Adjustable	55TE600LT	Brass	
	28	-	Adjustable	55TE600LN	Nickel	

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

Standard cylinder TE6

Round profiles

! Only available for masterkeying

682			Metric	Type	Function	Product code	Finish
			23	Mechanic	-	682M23TE6NM	Nickel
			23	Electric	1 switch & return	682M23TE6CR	Nickel
			27	Mechanic	-	682T16NM	Nickel
			27	Electric	1 switch & return	682T16CR	Nickel

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

D

Security cylinder T60

Technical data

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

Characteristics

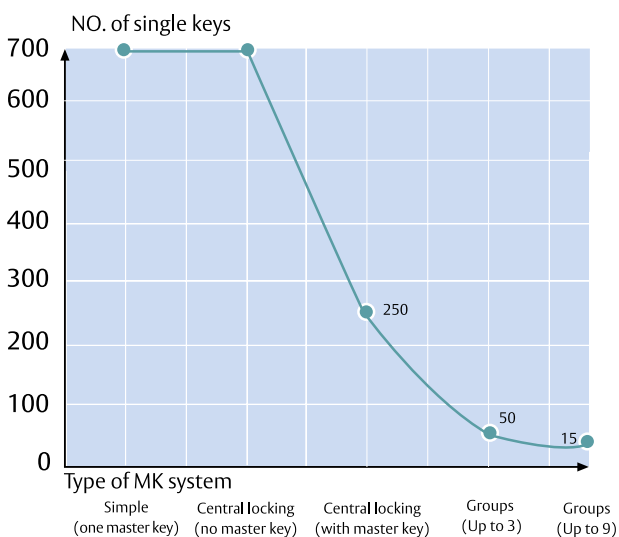
- » Type: Dimple key. (Brass nickel plated).
- » NO. of rows: 1
- » NO. of pins: 6
- » Combination level: Grade 5
- » Technology: Tumbler regular.
- » Corrosion resistance: Grade B.
- » Anti pick system.
- » Drill resistant.
- » Bump proof cylinder lock.
- » Lifespan: 100,000 test cycles.
- » 3 / 5 keys 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 measurement and profile range.

Master key systems.

Appropriated model for those master key suites where the levels of complexity are not too high.



Security	Masterkeying
**	*



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)

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

Recommendations

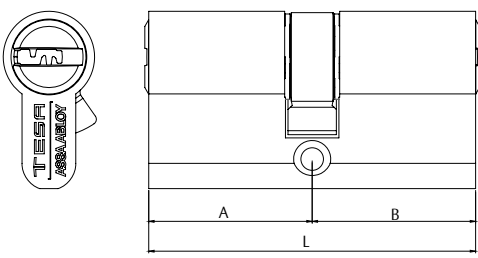
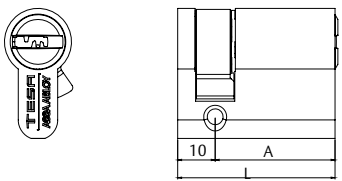
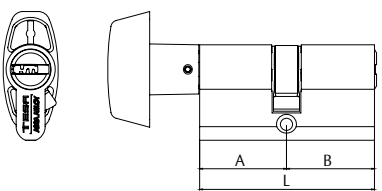
- » Use TESA lubricant to lengthen the maximum lifespan of the cylinder.
- » Use original keys to make copies.
- » For safety reasons, when you select a new cylinder, remember that once installed, it should not project more than 1mm.



Security cylinder T60

European profile

32 units (L≤90)
30 units (L>90)

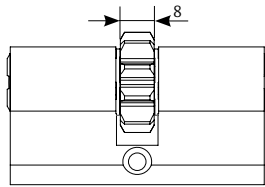
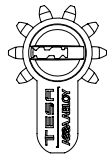
Double european		L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish	
		60	30	30	T655 30 30 L	Brass	T655 30 30 N	Nickel	
		65	30	35	T655 30 35 L	Brass	T655 30 35 N	Nickel	
		70	30	40	T655 30 40 L	Brass	T655 30 40 N	Nickel	
		70	35	35	T655 35 35 L	Brass	T655 35 35 N	Nickel	
		75	30	45	T655 30 45 L	Brass	T655 30 45 N	Nickel	
		75	35	40	T655 35 40 L	Brass	T655 35 40 N	Nickel	
		80	30	50	T655 30 50 L	Brass	T655 30 50 N	Nickel	
		80	35	45	T655 35 45 L	Brass	T655 35 45 N	Nickel	
		80	40	40	T655 40 40 L	Brass	T655 40 40 N	Nickel	
		85	35	50	T655 35 50 L	Brass	T655 35 50 N	Nickel	
		90	30	60	T655 30 60 L	Brass	T655 30 60 N	Nickel	
		90	35	55	T655 35 55 L	Brass	T655 35 55 N	Nickel	
		90	40	50	T655 40 50 L	Brass	T655 40 50 N	Nickel	
		90	45	45	T655 45 45 L	Brass	T655 45 45 N	Nickel	
		100	30	70	T655 30 70 L	Brass	T655 30 70 N	Nickel	
		100	40	60	T655 40 60 L	Brass	T655 40 60 N	Nickel	
	100	50	50	T655 50 50 L	Brass	T655 50 50 N	Nickel		
	110	30	80	T655 30 80 L	Brass	T655 30 80 N	Nickel		
	110	50	60	T655 50 60 L	Brass	T655 50 60 N	Nickel		
	120	30	90	T655 30 90 L	Brass	T655 30 90 N	Nickel		
	120	40	80	T655 40 80 L	Brass	T655 40 80 N	Nickel		
	120	60	60	T655 60 60 L	Brass	T655 60 60 N	Nickel		
	130	30	100	T655 31 00 L	Brass	T655 31 00 N	Nickel		
	140	40	100	T655 41 00 L	Brass	T655 41 00 N	Nickel		
	150	50	100	T655 51 00 L	Brass	T655 51 00 N	Nickel		
	160	60	100	T655 61 00 L	Brass	T655 61 00 N	Nickel		
Single european		L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish	
		40	30	10	T655 30 10 L	Brass	T655 30 10 N	Nickel	
		45	35	10	T655 35 10 L	Brass	T655 35 10 N	Nickel	
		50	40	10	T655 40 10 L	Brass	T655 40 10 N	Nickel	
		60	50	10	T655 50 10 L	Brass	T655 50 10 N	Nickel	
		70	60	10	T655 60 10 L	Brass	T655 60 10 N	Nickel	
		80	70	10	T655 70 10 L	Brass	T655 70 10 N	Nickel	
		90	80	10	T655 80 10 L	Brass	T655 80 10 N	Nickel	
		100	90	10	T655 90 10 L	Brass	T655 90 10 N	Nickel	
	Knob e uropean		L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish
			60	30	30	T65B 30 30 L	Brass	T65B 30 30 N	Nickel
		65	30	35	T65B 30 35 L	Brass	T65B 30 35 N	Nickel	
		70	35	35	T65B 35 35 L	Brass	T65B 35 35 N	Nickel	
		70	40	30	T65B 40 30 L	Brass	T65B 40 30 N	Nickel	
		80	30	50	T65B 30 50 L	Brass	T65B 30 50 N	Nickel	
		80	40	40	T65B 40 40 L	Brass	T65B 40 40 N	Nickel	
		85	35	50	T65B 35 50 L	Brass	T65B 35 50 N	Nickel	
		90	30	60	T65B 30 60 L	Brass	T65B 30 60 N	Nickel	
		90	45	45	T65B 45 45 L	Brass	T65B 45 45 N	Nickel	

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

D

Security cylinder T60

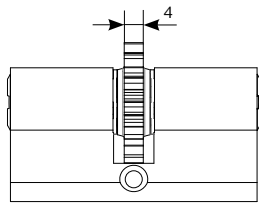
European profile



These part numbers are assembled with a 10 teeth pinion gear and outside diameter of 24 mm. The clutch housing is aligned with the tooth. They are not compatible with double security clutch.

European double with 10 teeth pinion gear

L	A	B	Pinion Z10 D24	Finish	Pinion Z10 D24	Finish
60	30	30	T65P3030L	Brass	T65P3030N	Nickel
64	32	32	T65P3232L	Brass	T65P3232N	Nickel
70	30	40	T65P3040L	Brass	T65P3040N	Nickel
74	32	42	T65P3242L	Brass	T65P3242N	Nickel
75	35	40	T65P3540L	Brass	T65P3540N	Nickel

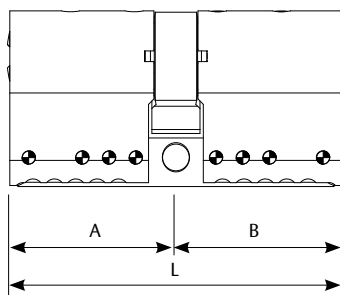


These part numbers are assembled with a 13 teeth pinion gear and outside diameter of 30 mm. The clutch housing is aligned with the root. They are not compatible with double security clutches and the keys provided are long neck.

Euro double with 13 teeth pinion gear

L	A	B	Pinion Z13 D30	Finish	Pinion Z13 D30	Finish
66	33	33	T65P3333LUC	Brass	T65P3333NUC	Nickel
71	33	38	T65P3338LUC	Brass	T65P3338NUC	Nickel
76	33	43	T65P3343LUC	Brass	T65P3343NUC	Nickel

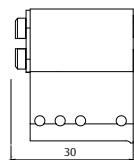
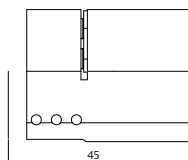
European modular



These part numbers are for modular cylinders assembled from the factory. Measurements for side A and B will be required when processing an order. The Cam, only if it is different to the standard (R15).

L	A	B	Exc. = 15 mm	Finish	Exc. = 15 mm	Finish
90	--	--	T65590LMD	Brass	T65590NMD	Nickel
95	--	--	T65595LMD	Brass	T65595NMD	Nickel
100	--	--	T655100LMD	Brass	T655100NMD	Nickel
105	--	--	T655105LMD	Brass	T655105NMD	Nickel
110	--	--	T655110LMD	Brass	T655110NMD	Nickel
115	--	--	T655115LMD	Brass	T655115NMD	Nickel
120	--	--	T655120LMD	Brass	T655120NMD	Nickel
125	--	--	T655125LMD	Brass	T655125NMD	Nickel
130	--	--	T655130LMD	Brass	T655130NMD	Nickel
135	--	--	T655135LMD	Brass	T655135NMD	Nickel
140	--	--	T655140LMD	Brass	T655140NMD	Nickel
145	--	--	T655145LMD	Brass	T655145NMD	Nickel
150	--	--	T655150LMD	Brass	T655150NMD	Nickel
155	--	--	T655155LMD	Brass	T655155NMD	Nickel
160	--	--	T655160LMD	Brass	T655160NMD	Nickel
165	--	--	T655165LMD	Brass	T655165NMD	Nickel
170	--	--	T655170LMD	Brass	T655170NMD	Nickel
175	--	--	T655175LMD	Brass	T655175NMD	Nickel
180	--	--	T655180LMD	Brass	T655180NMD	Nickel
185	--	--	T655185LMD	Brass	T655185NMD	Nickel
190	--	--	T655190LMD	Brass	T655190NMD	Nickel
195	--	--	T655195LMD	Brass	T655195NMD	Nickel
200	--	--	T655200LMD	Brass	T655200NMD	Nickel

European modular heads (to be used with the modular cases)

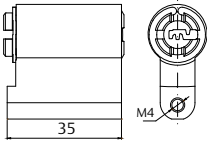
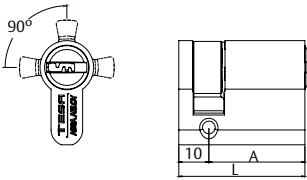
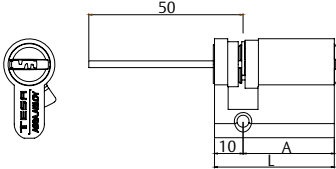
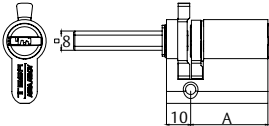


L	A	B	-	Finish	-	Finish
30	30	--	T60530LMD	Brass	T60530NMD	Nickel
45	45	--	T60545LMD	Brass	T60545NMD	Nickel
60	30	30	T60560LMD	Brass	T60560NMD	Nickel
75	30	45	T60575LMD	Brass	T60575NMD	Nickel
90	45	45	T60590LMD	Brass	T60590NMD	Nickel

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

Security cylinder T60

European profile

Padlock exchangeable		L	A	B	Product code	Finish
		-	-	-	T65CL55L	Brass
		-	-	-	T65CL55N	Nickel
Adjustable cam. Single profile (4 positions)		L	A	B	Product code	Finish
		40	30	10	T65W3010L	Brass
		40	30	10	T65W3010N	Nickel
Adjustable european cylinder		L	A	B	Product code	Finish
	40	30	10	T65R3010L	Brass	
	40	30	10	T65R3010N	Nickel	
	50	40	10	T65R4010L	Brass	
	50	40	10	T65R4010N	Nickel	
Euro cylinder for lock set 3520		L	A	B	Product code	Finish
	40	30	10	T652520L	Brass	
	40	30	10	T652520N	Nickel	

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

D

Security cylinder T60

Round profiles

Round for TS lock sets		Ø	Inside length	Outside length	Product code	Finish
Inside		28	30	45	T6TS40LC	Brass
		28	30	45	T6TS40LT	Brass
Outside						

The ref. LC includes external shield and fixing plate.

Round for TS lock sets		Ø	Inside length	Outside length	Product code	Finish
Inside		28	30	Regulable	T6TSRFLC	Brass
		28	30	Regulable	T6TSRFLT	Brass
Outside						

The ref. LC includes external shield and fixing plate.

Adjustable round cylinder		Ø	Inside length	Outside length	Product code	Finish
		28	-	Regulable	55T605LT	Brass
		28	-	Regulable	55T605LN	Nickel

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

Security cylinder T60

Round profiles

Nuova-FEB "Multipla"		Ø	Inside length	Outside length	Product code	Finish
Inside		In. = 25	25 mm	50 mm	T60STPFL	Brass
		Out. = 28	25 mm	Adjustable	T60STPRL	Brass
Outside (fix tail)						
Outside adjustable.						

Round for AUMON & Serraller locks		Ø	Inside length	Outside length	Product code	Finish
		26	-	Adjustable	T65REGAUHL	Brass
		26	-	Adjustable	T65REGAUHN	Nickel
		26	-	Adjustable	T65REGAUVL	Brass
		26	-	Adjustable	T65REGAUVN	Nickel
Accessories		Lenght	Product code		Finish	
TUBE		22	TUB2526L22L		Brass	
TUBE		22	TUB2526L22N		Nickel	

* Tubes to extend the length of the cylinder are sold apart
Part number with "H" = AUMON / Serraller = "V"

Round for STEP Lock		Ø	Inside length	Outside length	Product code	Finish
		In. = 25	20 mm	Adjustable	55EIT60POLI3LT	Brass
		Out. = 28				
		In. = 25	20 mm	Adjustable	55EIT60POLI3LN	Nickel
		Out. = 28				

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

D

Security cylinder T60

Round profiles

682		Metric	Type	Function	Product code	Finish
	23	Mechanic	-	682M23T6NM		
	23	Electric	1 switch & return	682M23T6CR	Nickel	
	27	Mechanic	-	682T6NM	Nickel	
	27	Electric	1 micro switch	682T61C	Nickel	
	27	Electric	1 switch & return	682T6CR	Nickel	
	27	Electric	2 micro switches	682T62C	Nickel	

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

Security cylinder T80

Technical data

Reversible dimple key with open key blank distribution.

Characteristics

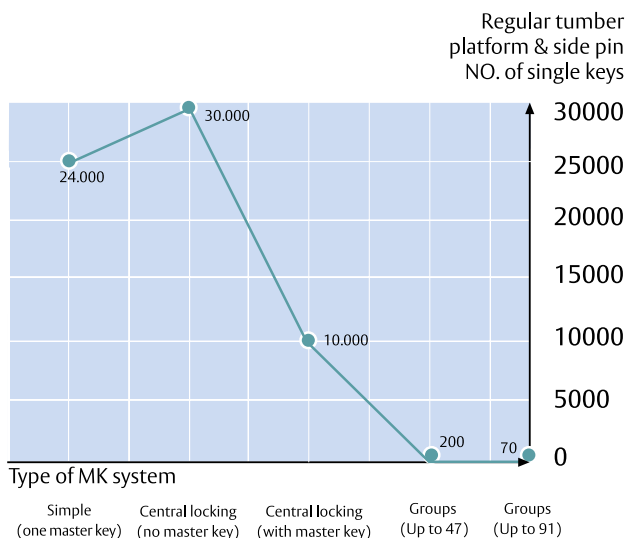
- » Type: Dimple key. (Nickel silver).
- » NO. of rows: 2
- » NO. of pins: 8
- » Combination level: Grade 6
- » Technology: Tumbler regular.
- » Corrosion resistance: Grade B.
- » Anti pick cylinder lock
- » Drill resistant.
- » Bump proof model.
- » Lifespan: 100,000 test cycles.
- » 3 / 5 keys per cylinder.
- » Conform to EN-1303 regulation

Options

- » Double security clutch.
- » Modular. (Specially designed for either unusual measurements or anti snap protection)
- » Cams: DIN R15, R13.
- » Finishes: Brass / Nickel.
- » Formats available: Key different, master keyed, key alike and specific codes.
- » Wide measurement and profile range.

Master key systems

The eight position chambers and the possibility of varying side pins makes T80 the most suitable option for those master key systems where the number of key functions is large and the copy control is not required.



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Recommendations

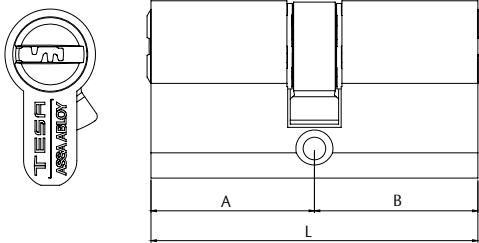
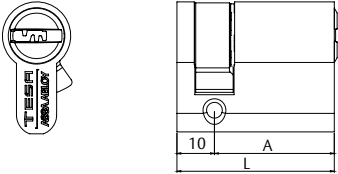
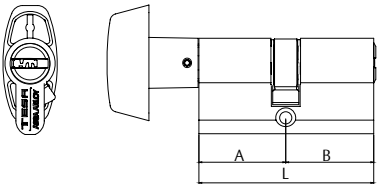
- » Use TESA lubricant to lengthen the maximum lifespan of the cylinder.
- » Use original keys to make copies.
- » For safety reasons, when you select a new cylinder, remember that once installed, it should not project more than 1mm.



Security cylinder T80

European profile

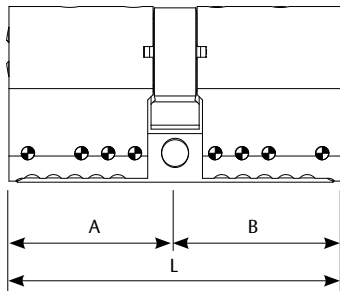
 32 units (L≤90)
30 units (L>90)

Double european		L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish	
		60	30	30	T855 30 30 L	Brass	T855 30 30 N	Nickel	
		65	30	35	T855 30 35 L	Brass	T855 30 35 N	Nickel	
		70	30	40	T855 30 40 L	Brass	T855 30 40 N	Nickel	
		70	35	35	T855 35 35 L	Brass	T855 35 35 N	Nickel	
		75	30	45	T855 30 45 L	Brass	T855 30 45 N	Nickel	
		75	35	40	T855 35 40 L	Brass	T855 35 40 N	Nickel	
		80	30	50	T855 30 50 L	Brass	T855 30 50 N	Nickel	
		80	35	45	T855 35 45 L	Brass	T855 35 45 N	Nickel	
		80	40	40	T855 40 40 L	Brass	T855 40 40 N	Nickel	
		85	35	50	T855 35 50 L	Brass	T855 35 50 N	Nickel	
		90	30	60	T855 30 60 L	Brass	T855 30 60 N	Nickel	
		90	35	55	T855 35 55 L	Brass	T855 35 55 N	Nickel	
		90	40	50	T855 40 50 L	Brass	T855 40 50 N	Nickel	
		90	45	45	T855 45 45 L	Brass	T855 45 45 N	Nickel	
		100	30	70	T855 30 70 L	Brass	T855 30 70 N	Nickel	
		100	40	60	T855 40 60 L	Brass	T855 40 60 N	Nickel	
		100	50	50	T855 50 50 L	Brass	T855 50 50 N	Nickel	
		110	30	80	T855 30 80 L	Brass	T855 30 80 N	Nickel	
		110	50	60	T855 50 60 L	Brass	T855 50 60 N	Nickel	
		120	30	90	T855 30 90 L	Brass	T855 30 90 N	Nickel	
	120	40	80	T855 40 80 L	Brass	T855 40 80 N	Nickel		
	120	60	60	T855 60 60 L	Brass	T855 60 60 N	Nickel		
	130	30	100	T855 31 00 L	Brass	T855 31 00 N	Nickel		
	140	40	100	T855 41 00 L	Brass	T855 41 00 N	Nickel		
	150	50	100	T855 51 00 L	Brass	T855 51 00 N	Nickel		
	160	60	100	T855 61 00 L	Brass	T855 61 00 N	Nickel		
Single european		L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish	
		40	30	10	T855 30 10 L	Brass	T855 30 10 N	Nickel	
		45	35	10	T855 35 10 L	Brass	T855 35 10 N	Nickel	
		50	40	10	T855 40 10 L	Brass	T855 40 10 N	Nickel	
		60	50	10	T855 50 10 L	Brass	T855 50 10 N	Nickel	
		70	60	10	T855 60 10 L	Brass	T855 60 10 N	Nickel	
		80	70	10	T855 70 10 L	Brass	T855 70 10 N	Nickel	
		90	80	10	T855 80 10 L	Brass	T855 80 10 N	Nickel	
		100	90	10	T855 90 10 L	Brass	T855 90 10 N	Nickel	
	Knob European		L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish
			60	30	30	T85B 30 30 L	Brass	T85B 30 30 N	Nickel
		65	30	35	T85B 30 35 L	Brass	T85B 30 35 N	Nickel	
		70	35	35	T85B 35 35 L	Brass	T85B 35 35 N	Nickel	
		70	40	30	T85B 40 30 L	Brass	T85B 40 30 N	Nickel	
		80	30	50	T85B 30 50 L	Brass	T85B 30 50 N	Nickel	
		80	40	40	T85B 40 40 L	Brass	T85B 40 40 N	Nickel	
		85	35	50	T85B 35 50 L	Brass	T85B 35 50 N	Nickel	
		90	30	60	T85B 30 60 L	Brass	T85B 30 60 N	Nickel	
		90	45	45	T85B 45 45 L	Brass	T85B 45 45 N	Nickel	

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

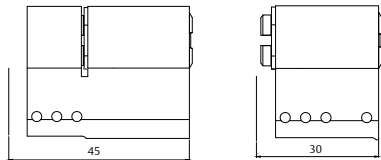
Security cylinder T80

European profile



These part numbers are for modular cylinders assembled from the factory. Measurements for side A and B will be required when processing an order. The Cam, only if it is different to the standard (R15).

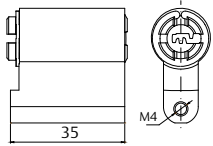
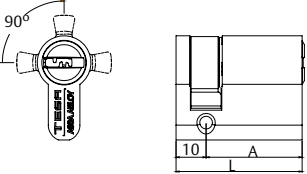
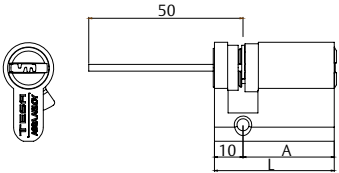
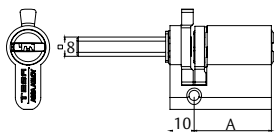
European modular		L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish
		90	--	--	T85590LMD	Brass	T85590NMD	Nickel
		95	--	--	T85595LMD	Brass	T85595NMD	Nickel
		100	--	--	T855100LMD	Brass	T855100NMD	Nickel
		105	--	--	T855105LMD	Brass	T855105NMD	Nickel
		110	--	--	T855110LMD	Brass	T855110NMD	Nickel
		115	--	--	T855115LMD	Brass	T855115NMD	Nickel
		120	--	--	T855120LMD	Brass	T855120NMD	Nickel
		125	--	--	T855125LMD	Brass	T855125NMD	Nickel
		130	--	--	T855130LMD	Brass	T855130NMD	Nickel
		135	--	--	T855135LMD	Brass	T855135NMD	Nickel
		140	--	--	T855140LMD	Brass	T855140NMD	Nickel
		145	--	--	T855145LMD	Brass	T855145NMD	Nickel
		150	--	--	T855150LMD	Brass	T855150NMD	Nickel
		155	--	--	T855155LMD	Brass	T855155NMD	Nickel
		160	--	--	T855160LMD	Brass	T855160NMD	Nickel
		165	--	--	T855165LMD	Brass	T855165NMD	Nickel
		170	--	--	T855170LMD	Brass	T855170NMD	Nickel
		175	--	--	T855175LMD	Brass	T855175NMD	Nickel
		180	--	--	T855180LMD	Brass	T855180NMD	Nickel
		185	--	--	T855185LMD	Brass	T855185NMD	Nickel
		190	--	--	T855190LMD	Brass	T855190NMD	Nickel
		195	--	--	T855195LMD	Brass	T855195NMD	Nickel
		200	--	--	T855200LMD	Brass	T855200NMD	Nickel
European modular heads (to be used with the modular cases)		L	A	B	-	Finish	-	Finish
		30	30	--	T80530LMD	Brass	T80530NMD	Nickel
		45	45	--	T80545LMD	Brass	T80545NMD	Nickel
		60	30	30	T80560LMD	Brass	T80560NMD	Nickel
		75	30	45	T80575LMD	Brass	T80575NMD	Nickel
		90	45	45	T80590LMD	Brass	T80590NMD	Nickel



* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

Security cylinder T80

European profile

Padlock exchangeable	L	A	B	Product code	Finish
	-	-	-	T85CL55L	Brass
	-	-	-	T85CL55N	Nickel
Adjustable cam. Single profile (4 positions)	L	A	B	Product code	Finish
	40	30	10	T85W3010L	Brass
	40	30	10	T85W3010N	Nickel
Adjustable european cylinder	L	A	B	Product code	Finish
	40	30	10	T85R3010L	Brass
	40	30	10	T85R3010N	Nickel
	50	40	10	T85R4010L	Brass
	50	40	10	T85R4010N	Nickel
Euro cylinder for lock set 3520.	L	A	B	Product code	Finish
	40	30	10	T852520L	Brass
	40	30	10	T852520N	Nickel

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

Security cylinder T80

Round profiles

Round for TS lock sets		Ø	Inside length	Outside length	Product code	Finish
Inside		28	30	45	T8TS40LC	Brass
		28	30	45	T8TS40LT	Brass
Outside						

The ref. LC includes external shield and fixing plate.

Round for TS lock sets		Ø	Inside length	Outside length	Product code	Finish
Inside		28	30	Adjustable	T8TSRFLC	Brass
		28	30	Adjustable	T8TSRFLT	Brass
Outside						

The ref. LC includes external shield and fixing plate.

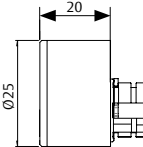
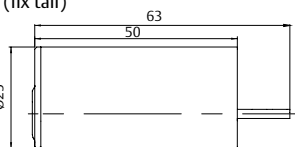
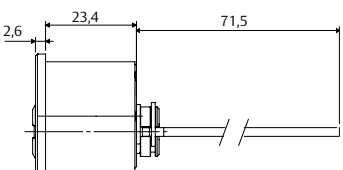
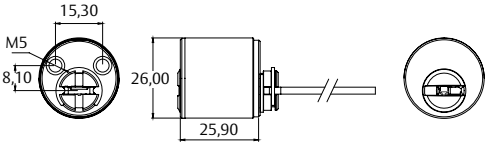
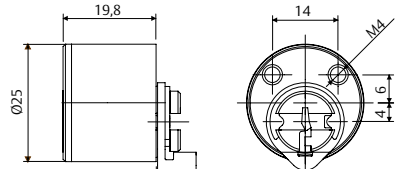
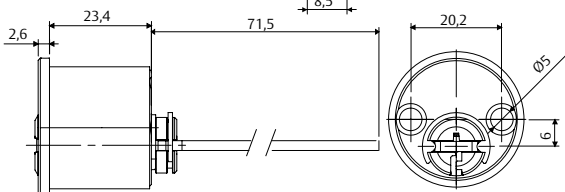
Adjustable round cylinder		Ø	Inside length	Outside length	Product code	Finish
		28	-	Adjustable	55T805LT	Brass
		28	-	Adjustable	55T805LN	Nickel

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

D

Security cylinder T80

Round profiles

Nuova-FEB "Multipla"		Ø	Inside length	Outside length	Product code	Finish
Inside		25	25 mm	50 mm	T80STPFL	Brass
Outside (fix tail)		26	-	Adjustable	T85REGAUHL	Brass
Outside adjustable.		26	-	Adjustable	T85REGAUVL	Brass
Round for AUMON & Serraller locks		Ø	Inside length	Outside length	Product code	Finish
	26	-	Adjustable	T85REGAUHL	Brass	
	26	-	Adjustable	T85REGAUHN	Nickel	
	26	-	Adjustable	T85REGAUVL	Brass	
	26	-	Adjustable	T85REGAUVN	Nickel	
		Accessories	Lenght		Product code	Finish
			TUBE	22	TUB2526L22L	Brass
			TUBE	22	TUB2526L22N	Nickel
Round for STEP lock set		Ø	Inside length	Outside length	Product code	Finish
	In. = 25	25	20 mm	Adjustable	55EIT60POLI3LT	Brass
	In. = 25	25	20 mm	Adjustable	55EIT80POLI3LN	Nickel

* Tubes to extend the length of the cylinder are sold apart
Part number with "H" = AUMON / Serraller = "V"

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

Security cylinder T80

Round profiles

682		Metric	Type	Fonction	Product code	Finish
	M23 X 1	23	Mechanic	-	682M23TSNM	Nickel
	M23 X 1	23	Electric	1 micro + retorno	682M23TSCR	Nickel
	M27 X 1	27	Mechanic	-	682T8NM	Nickel
	M27 X 1	27	Electric	1 micro switch	682T81C	Nickel
		27	Electric	1 switch & return	682T8CR	Nickel
		27	Electric	2 micro switches	682T82C	Nickel

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

D

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.

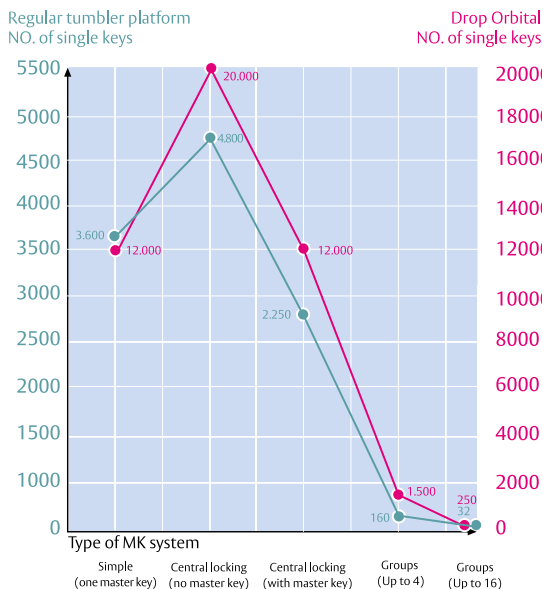
Characteristics

- » Type: Patented sawn key with security sensor.
- » NO. of rows: 1
- » NO. 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.
- » Wide measurement and profile range.
- » Colour points to differentiate master key levels.

Master key system



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.

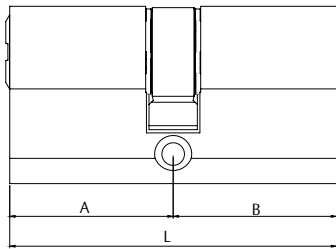


High security cylinder TK6

Patented

 32 units (L≤90)
30 units (L>90)

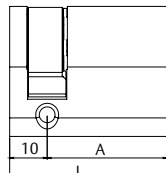
European profile



European profile

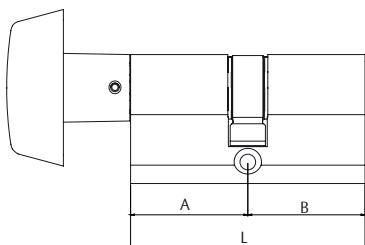
L	A	B	Cam = 15 mm	Finish	Cam = 15mm	Finish
60	30	30	AK635 30 30 L	Brass	AK635 30 30 N	Nickel
65	30	35	AK635 30 35 L	Brass	AK635 30 35 N	Nickel
70	30	40	AK635 30 40 L	Brass	AK635 30 40 N	Nickel
70	35	35	AK635 35 35 L	Brass	AK635 35 35 N	Nickel
75	30	45	AK635 30 45 L	Brass	AK635 30 45 N	Nickel
75	35	40	AK635 35 40 L	Brass	AK635 35 40 N	Nickel
80	30	50	AK635 30 50 L	Brass	AK635 30 50 N	Nickel
80	35	45	AK635 35 45 L	Brass	AK635 35 45 N	Nickel
80	40	40	AK635 40 40 L	Brass	AK635 40 40 N	Nickel
85	35	50	AK635 35 50 L	Brass	AK635 35 50 N	Nickel
90	30	60	AK635 30 60 L	Brass	AK635 30 60 N	Nickel
90	35	55	AK635 35 55 L	Brass	AK635 35 55 N	Nickel
90	40	50	AK635 40 50 L	Brass	AK635 40 50 N	Nickel
90	45	45	AK635 45 45 L	Brass	AK635 45 45 N	Nickel
100	30	70	AK635 30 70 L	Brass	AK635 30 70 N	Nickel
100	40	60	AK635 40 60 L	Brass	AK635 40 60 N	Nickel
100	50	50	AK635 50 50 L	Brass	AK635 50 50 N	Nickel
110	30	80	AK635 30 80 L	Brass	AK635 30 80 N	Nickel
110	50	60	AK635 50 60 L	Brass	AK635 50 60 N	Nickel
120	30	90	AK635 30 90 L	Brass	AK635 30 90 N	Nickel
120	40	80	AK635 40 80 L	Brass	AK635 40 80 N	Nickel
120	60	60	AK635 60 60 L	Brass	AK635 60 60 N	Nickel
130	30	100	AK635 31 00 L	Brass	AK635 31 00 N	Nickel
140	40	100	AK635 41 00 L	Brass	AK635 41 00 N	Nickel
150	50	100	AK635 51 00 L	Brass	AK635 51 00 N	Nickel
160	60	100	AK635 61 00 L	Brass	AK635 61 00 N	Nickel

Single european



L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish
40	30	10	AK635 30 10 L	Brass	AK635 30 10 N	Nickel
45	35	10	AK635 35 10 L	Brass	AK635 35 10 N	Nickel
50	40	10	AK635 40 10 L	Brass	AK635 40 10 N	Nickel
60	50	10	AK635 50 10 L	Brass	AK635 50 10 N	Nickel
70	60	10	AK635 60 10 L	Brass	AK635 60 10 N	Nickel
80	70	10	AK635 70 10 L	Brass	AK635 70 10 N	Nickel
90	80	10	AK635 80 10 L	Brass	AK635 80 10 N	Nickel
100	90	10	AK635 90 10 L	Brass	AK635 90 10 N	Nickel

Knob european.



L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish
60	30	30	AK63B 30 30 L	Brass	AK63B 30 30 N	Nickel
65	30	35	AK63B 30 35 L	Brass	AK63B 30 35 N	Nickel
70	35	35	AK63B 35 35 L	Brass	AK63B 35 35 N	Nickel
70	40	30	AK63B 40 30 L	Brass	AK63B 40 30 N	Nickel
80	30	50	AK63B 30 50 L	Brass	AK63B 30 50 N	Nickel
80	40	40	AK63B 40 40 L	Brass	AK63B 40 40 N	Nickel
85	35	50	AK63B 35 50 L	Brass	AK63B 35 50 N	Nickel
90	30	60	AK63B 30 60 L	Brass	AK63B 30 60 N	Nickel
90	45	45	AK63B 45 45 L	Brass	AK63B 45 45 N	Nickel

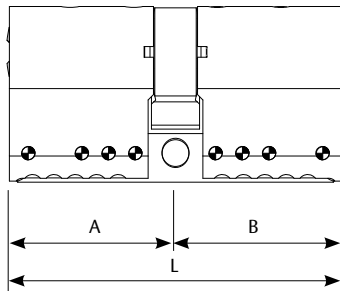
* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

D

High security cylinder TK6

Patented

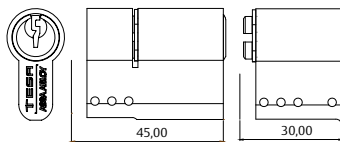
European profile



These part numbers are for modular cylinders assembled from the factory. Measurements for side A and B will be required when processing an order. The Cam, only if it is different to the standard (15 mm).

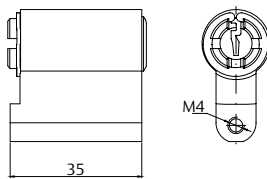
Modular European		L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish
		90	--	--	AK63590LMD	Brass	AK63590NMD	Nickel
		95	--	--	AK63595LMD	Brass	AK63595NMD	Nickel
		100	--	--	AK635100LMD	Brass	AK635100NMD	Nickel
		105	--	--	AK635105LMD	Brass	AK635105NMD	Nickel
		110	--	--	AK635110LMD	Brass	AK635110NMD	Nickel
		115	--	--	AK635115LMD	Brass	AK635115NMD	Nickel
		120	--	--	AK635120LMD	Brass	AK635120NMD	Nickel
		125	--	--	AK635125LMD	Brass	AK635125NMD	Nickel
		130	--	--	AK635130LMD	Brass	AK635130NMD	Nickel
		135	--	--	AK635135LMD	Brass	AK635135NMD	Nickel
		140	--	--	AK635140LMD	Brass	AK635140NMD	Nickel
		145	--	--	AK635145LMD	Brass	AK635145NMD	Nickel
		150	--	--	AK635150LMD	Brass	AK635150NMD	Nickel
		155	--	--	AK635155LMD	Brass	AK635155NMD	Nickel
		160	--	--	AK635160LMD	Brass	AK635160NMD	Nickel
		165	--	--	AK635165LMD	Brass	AK635165NMD	Nickel
		170	--	--	AK635170LMD	Brass	AK635170NMD	Nickel
		175	--	--	AK635175LMD	Brass	AK635175NMD	Nickel
		180	--	--	AK635180LMD	Brass	AK635180NMD	Nickel
		185	--	--	AK635185LMD	Brass	AK635185NMD	Nickel
		190	--	--	AK635190LMD	Brass	AK635190NMD	Nickel
		195	--	--	AK635195LMD	Brass	AK635195NMD	Nickel
		200	--	--	AK635200LMD	Brass	AK635200NMD	Nickel

European modular heads (to be used with the modular cases)



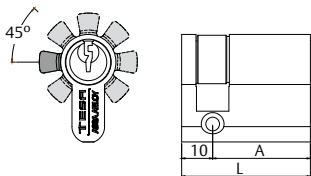
L	A	B	-	Finish	-	Finish
30	30	--	AK6330LMD	Brass	AK6330NMD	Nickel
45	45	--	AK6345LMD	Brass	AK6345NMD	Nickel
60	30	30	AK6360LMD	Brass	AK6360NMD	Nickel
75	30	45	AK6375LMD	Brass	AK6375NMD	Nickel
90	45	45	AK6390LMD	Brass	AK6390NMD	Nickel

Padlock exchangeable



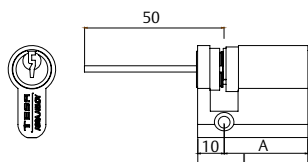
L	A	B	Product code	Finish
-	-	-	AK63CL55L	Brass
-	-	-	AK63CL55N	Nickel

Adjustable cam. Single profile (8 positions)



L	A	B	Product code	Finish
40	30	10	AK63W3010L	Brass
40	30	10	AK63W3010N	Nickel

Adjustable tail. Single profile



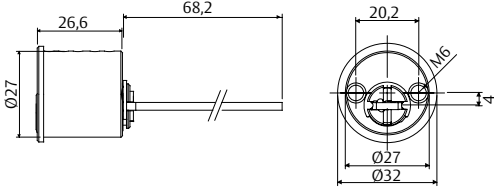
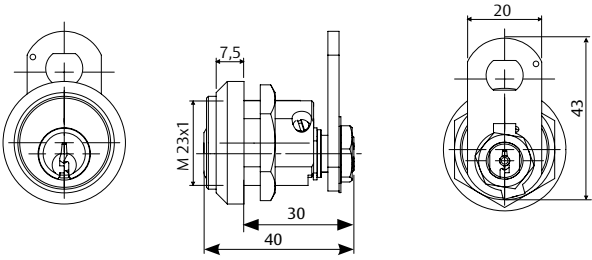
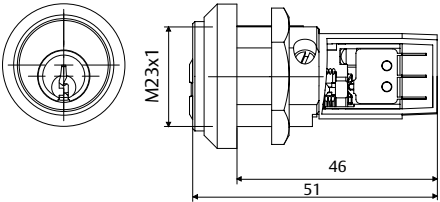
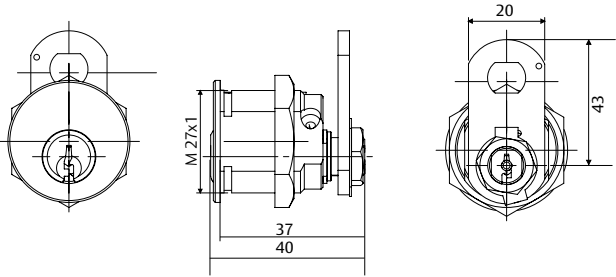
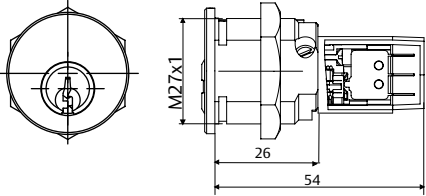
L	A	B	Product code	Finish
40	30	10	AK63R3010L	Brass
40	30	10	AK63R3010N	Nickel
50	40	10	AK63R4010L	Brass
50	40	10	AK63R4010N	Nickel

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

High security cylinder TK6

Patented

Round profiles

Adjustable round cylinder		Ø	Inside length	Outside length	Product code	Finish
	28	-	Adjustable	55AK63LT	Brass	
	28	-	Adjustable	55AK63NM	Nickel	
<hr/>						
682		Metric	Type	Fonction	Product code	Finish
	23	Mechanic	-	AK6682M23NM	Nickel	
	<hr/>					
	23	Electric	1 switch & return	AK6682M23CR	Nickel	
	<hr/>					
	27	Mechanic	-	AK6682M27NM	Nickel	
	<hr/>					
	27	Electric	1 switch & return	AK6682M27CR	Nickel	
	<hr/>					

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

D

High security cylinder TX80



Technical data

Tx80 cylinders have been designed according to the highest quality protection systems. It is a model in constant evolution that incorporates the most advanced security developments (bumping, picking...etc). A design thought to offer to the user the higher security grade in all its extension.

Characteristics

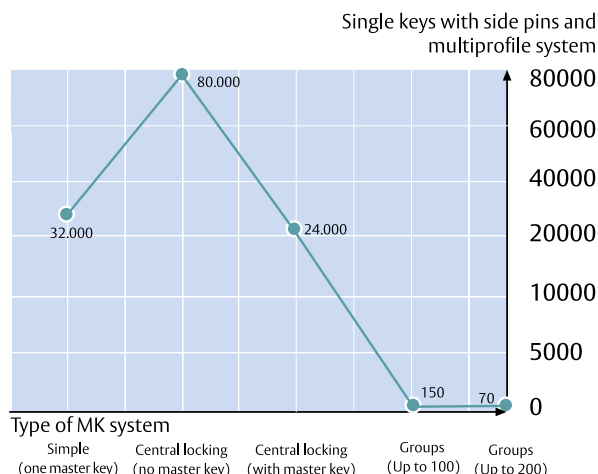
- » Type: Patented dimple key with security sensor.
- » NO. of rows: 2
- » NO. of pins: 8
- » Technology: Tumbler regular.
- » Permutation level: Grade 6.
- » Corrosion resistance: Grade B
- » Anti pick cylinder lock (High resistance.)
- » Bump proof system.
- » Drill protection grade 2.
- » Lifespan: 100,000 test cycles.
- » Key copies protected with security card.
- » Clutch of double security.
- » 5 patented keys made of nickel silver.
- » Conform to EN-1303 regulation.
- » Master key systems: High capability using side pins and multi profile key ways.

Options

- » Finishes: Brass / Nickel.
- » Cam: DIN R15 and R13.
- » Formats available: Key different, mater keyed, key alike and specific codes.
- » Wide measurement and profile range.
- » Colour points to differentiate master key levels.

Master key systems

The patented character of the system will let the owner control, in every moment, the key copies thanks to the property card provided with each cylinder or master key suite.



European standard regulation

In the same way as the main models included in the catalogue, TX80 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 recomends to the user of the TX80 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.


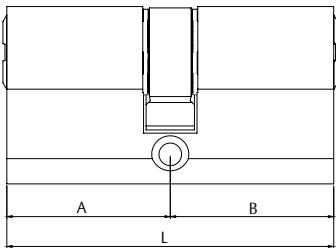

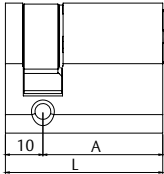

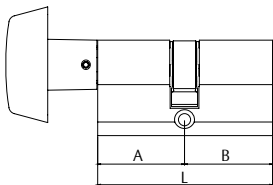

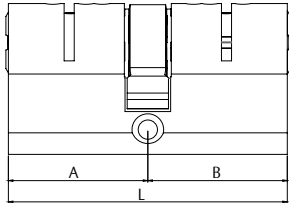


High security cylinder TX80

Patented

European profile



Double european.		L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish
		60	30	30	TX85 30 30 L	Brass	TX85 30 30 N	Nickel
		65	30	35	TX85 30 35 L	Brass	TX85 30 35 N	Nickel
		70	30	40	TX85 30 40 L	Brass	TX85 30 40 N	Nickel
		70	35	35	TX85 35 35 L	Brass	TX85 35 35 N	Nickel
		75	30	45	TX85 30 45 L	Brass	TX85 30 45 N	Nickel
		75	35	40	TX85 35 40 L	Brass	TX85 35 40 N	Nickel
		80	30	50	TX85 30 50 L	Brass	TX85 30 50 N	Nickel
		80	35	45	TX85 35 45 L	Brass	TX85 35 45 N	Nickel
		80	40	40	TX85 40 40 L	Brass	TX85 40 40 N	Nickel
		85	35	50	TX85 35 50 L	Brass	TX85 35 50 N	Nickel
		90	30	60	TX85 30 60 L	Brass	TX85 30 60 N	Nickel
		90	35	55	TX85 35 55 L	Brass	TX85 35 55 N	Nickel
		90	40	50	TX85 40 50 L	Brass	TX85 40 50 N	Nickel
		90	45	45	TX85 45 45 L	Brass	TX85 45 45 N	Nickel
		100	30	70	TX85 30 70 L	Brass	TX85 30 70 N	Nickel
		100	40	60	TX85 40 60 L	Brass	TX85 40 60 N	Nickel
		100	50	50	TX85 50 50 L	Brass	TX85 50 50 N	Nickel
		110	30	80	TX85 30 80 L	Brass	TX85 30 80 N	Nickel
		110	50	60	TX85 50 60 L	Brass	TX85 50 60 N	Nickel
		120	30	90	TX85 30 90 L	Brass	TX85 30 90 N	Nickel
		120	40	80	TX85 40 80 L	Brass	TX85 40 80 N	Nickel
		120	60	60	TX85 60 60 L	Brass	TX85 60 60 N	Nickel
		130	30	100	TX85 31 00 L	Brass	TX85 31 00 N	Nickel
		140	40	100	TX85 41 00 L	Brass	TX85 41 00 N	Nickel
		150	50	100	TX85 51 00 L	Brass	TX85 51 00 N	Nickel
		160	60	100	TX85 61 00 L	Brass	TX85 61 00 N	Nickel
Single european		L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish
		40	30	10	TX85 30 10 L	Brass	TX85 30 10 N	Nickel
		45	35	10	TX85 35 10 L	Brass	TX85 35 10 N	Nickel
		50	40	10	TX85 40 10 L	Brass	TX85 40 10 N	Nickel
		60	50	10	TX85 50 10 L	Brass	TX85 50 10 N	Nickel
		70	60	10	TX85 60 10 L	Brass	TX85 60 10 N	Nickel
		80	70	10	TX85 70 10 L	Brass	TX85 70 10 N	Nickel
		90	80	10	TX85 80 10 L	Brass	TX85 80 10 N	Nickel
		100	90	10	TX85 90 10 L	Brass	TX85 90 10 N	Nickel
Knob european		L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish
		60	30	30	TX8B 30 30 L	Brass	TX8B 30 30 N	Nickel
		65	30	35	TX8B 30 35 L	Brass	TX8B 30 35 N	Nickel
		70	35	35	TX8B 35 35 L	Brass	TX8B 35 35 N	Nickel
		70	40	30	TX8B 40 30 L	Brass	TX8B 40 30 N	Nickel
		80	30	50	TX8B 30 50 L	Brass	TX8B 30 50 N	Nickel
		80	40	40	TX8B 40 40 L	Brass	TX8B 40 40 N	Nickel
		85	35	50	TX8B 35 50 L	Brass	TX8B 35 50 N	Nickel
		90	30	30	TX8BTB3030L	Latón	TX8BTB3030N	Níquel
		90	35	30	TX8BTB3530L	Latón	TX8BTB3530N	Níquel
European with assistant function		L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish
		60	30	30	TX85 30 30 LLIM	Brass	TX85 30 30 NLIM	Nickel
		70	30	40	TX85 30 40 LLIM	Brass	TX85 30 40 NLIM	Nickel
		70	35	35	TX85 35 35 LLIM	Brass	TX85 35 35 NLIM	Nickel
		80	40	40	TX85 40 40 LLIM	Brass	TX85 40 40 NLIM	Nickel
		90	40	50	TX85 40 50 LLIM	Brass	TX85 40 50 NLIM	Nickel
		90	45	45	TX85 45 45 LLIM	Brass	TX85 45 45 NLIM	Nickel

These cylinders are provided with 4 owner keys and one for the assistant.
Both side A and B includes the function.

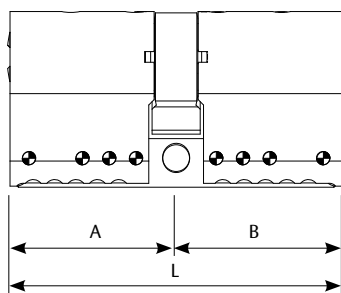
* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

** The butler system lets operate with the key from the outside even if knob is blocked. Is a solution thought for schools, geriatrics.. etc.

D

High security cylinder TX80

Patented

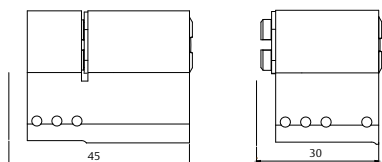


These part numbers are for modular cylinders assembled from the factory.

Measurements for side A and B will be required when processing an order. The Cam, only if it is different to the standard (R15).

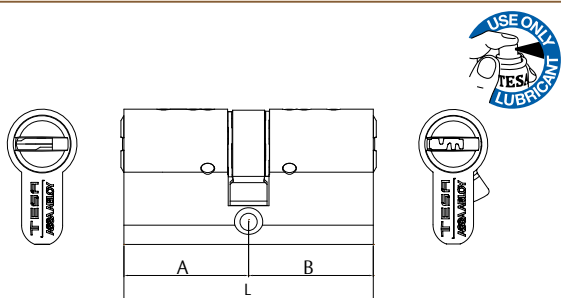
European modular		L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish
		90	--	--	TX85590LMD	Brass	TX85590NMD	Nickel
		95	--	--	TX85595LMD	Brass	TX85595NMD	Nickel
		100	--	--	TX855100LMD	Brass	TX855100NMD	Nickel
		105	--	--	TX855105LMD	Brass	TX855105NMD	Nickel
		110	--	--	TX855110LMD	Brass	TX855110NMD	Nickel
		115	--	--	TX855115LMD	Brass	TX855115NMD	Nickel
		120	--	--	TX855120LMD	Brass	TX855120NMD	Nickel
		125	--	--	TX855125LMD	Brass	TX855125NMD	Nickel
		130	--	--	TX855130LMD	Brass	TX855130NMD	Nickel
		135	--	--	TX855135LMD	Brass	TX855135NMD	Nickel
		140	--	--	TX855140LMD	Brass	TX855140NMD	Nickel
		145	--	--	TX855145LMD	Brass	TX855145NMD	Nickel
		150	--	--	TX855150LMD	Brass	TX855150NMD	Nickel
		155	--	--	TX855155LMD	Brass	TX855155NMD	Nickel
		160	--	--	TX855160LMD	Brass	TX855160NMD	Nickel
		165	--	--	TX855165LMD	Brass	TX855165NMD	Nickel
		170	--	--	TX855170LMD	Brass	TX855170NMD	Nickel
		175	--	--	TX855175LMD	Brass	TX855175NMD	Nickel
		180	--	--	TX855180LMD	Brass	TX855180NMD	Nickel
		185	--	--	TX855185LMD	Brass	TX855185NMD	Nickel
		190	--	--	TX855190LMD	Brass	TX855190NMD	Nickel
		195	--	--	TX855195LMD	Brass	TX855195NMD	Nickel
		200	--	--	TX855200LMD	Brass	TX855200NMD	Nickel

European modular heads (to be used with the modular cases)



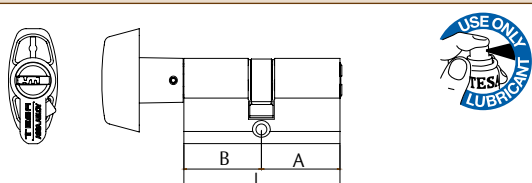
L	A	B	-	Finish	-	Finish
30	30	--	TX8530LMD	Brass	TX8530NMD	Nickel
45	45	--	TX8545LMD	Brass	TX8545NMD	Nickel
60	30	30	TX8560LMD	Brass	TX8560NMD	Nickel
75	30	45	TX8575LMD	Brass	TX8575NMD	Nickel
90	45	45	TX8590LMD	Brass	TX8590NMD	Nickel

Stainless European with antidust



L	A Antidust	B Key	Cam = 15 mm	Finish	Cam = 15 mm	Finish
60	30	30	TX8G3030L	Brass	TX8G3030N	Nickel
70	30	40	TX8G3040L	Brass	TX8G3040N	Nickel
70	35	35	TX8G3535L	Brass	TX8G3535N	Nickel
75	40	40	TX8G4040L	Brass	TX8G4040N	Nickel
80	35	45	TX8G3545L	Brass	TX8G3545N	Nickel
80	40	40	TX8G4040L	Brass	TX8G4040N	Nickel

Stainless European with antidust



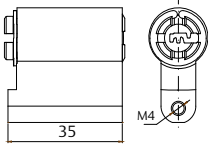
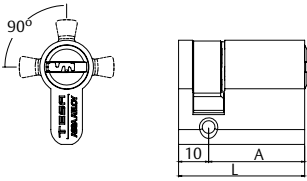
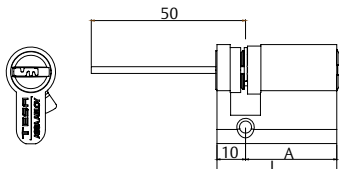
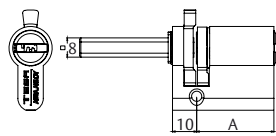
L	A Antidust	B Knob	Cam = 15 mm	Finish	Cam = 15 mm	Finish
60	30	30	TX8G3030BL	Brass	TX8G3030BN	Nickel
70	30	40	TX8G3040BL	Brass	TX8G3040BN	Nickel
75	40	35	TX8G4035BL	Brass	TX8G4035BN	Nickel
85	50	35	TX8G5035BL	Brass	TX8G5035BN	Nickel

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

High security cylinder TX80

Patented

European profile

Padlock exchangeable	L	A	B	Product code	Finish
	-	-	-	TX85CL55L	Brass
	-	-	-	TX85CL55N	Nickel
Adjustable cam. Single profile (4 positions)	L	A	B	Product code	Finish
	40	30	10	TX8W3010L	Brass
	40	30	10	TX8W3010N	Nickel
Adjustable european cylinder	L	A	B	Product code	Finish
	40	30	10	TX8R3010L	Brass
	40	30	10	TX8R3010N	Nickel
	50	40	10	TX8R4010L	Brass
	50	40	10	TX8R4010N	Nickel
Euro cylinder for lock set 3520.	L	A	B	Product code	Finish
	40	30	10	TX82520L	Brass
	40	30	10	TX82520N	Nickel

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

D

High security cylinder TX80

Patented

Round profiles

Round for TS lock sets		Ø	Inside length	Outside length	Product code	Finish
Inside		28	30	45	TX8TS40LC	Brass
		28	30	45	TX8TS40LT	Brass
Outside						

The ref. LC includes external shield and fixing plate.

Round for TS lock sets		Ø	Inside length	Outside length	Product code	Finish
Inside		28	30	Adjustable	TX8TSRFLC	Brass
		28	30	Adjustable	TX8TSRFLT	Brass
Outside						

The ref. LC includes external shield and fixing plate.

Adjustable round cylinder		Ø	Inside length	Outside length	Product code	Finish
		28	-	Adjustable	55TX85LT	Brass
		28	-	Adjustable	55TX85LN	Nickel

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

High security cylinder TX80

Patented

Round profiles

Nuova-FEB "Multipla"		Ø	Inside length	Outside length	Product code	Finish
Inside		25	25 mm	50 mm	TX8STPFL	Brass
		In. = 25 Out. = 28	25 mm	Adjustable	TX8STPRL	Brass
Outside (fix tail)						
Outside adjustable.						

Round for AUMON & Serraller locks		Ø	Inside length	Outside length	Product code	Finish
		26	-	Adjustable	TX85REGAUHL	Brass
		26	-	Adjustable	TX85REGAUHN	Nickel
		26	-	Adjustable	TX85REGAUVL	Brass
		26	-	Adjustable	TX85REGAUVN	Nickel
		Accessories	Length		Product code	Finish
		TUBE	22		TUB2526L22L	Brass
		TUBE	22		TUB2526L22N	Nickel

* Tubes to extend the length of the cylinder are sold apart
Part number with "H" = AUMON / Serraller = "V"

Round for STEP lock set.		Ø	Inside length	Outside length	Product code	Finish
		In. = 25 Out. = 28	20 mm	Adjustable	55EITX8POLI3L	Brass
		In. = 25 Out. = 28	20 mm	Adjustable	55EITX8POLI3N	Nickel

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

D

High security cylinder TX80

Patented

Round profiles

682		Metric	Type	Function	Product code	Finish
		23	Mechanic	-	682M23SE5NM	Nickel
		23	Mechanic	Withdrawal 2 positions	682M23TX802P	Nickel
		23	Electric	1 switch & return	682M23SE5CR	Nickel
		27	Mechanic	-	682TX8NM	Nickel
		27	Electric	1 micro switch	682TX81C	Nickel
		27	Electric	1 switch & return	682TX8CR	Nickel
		27	Electric	2 micro switches	682TX82C	Nickel

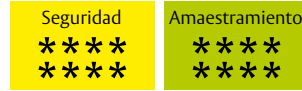
* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

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 as bumping, picking...etc. 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.



Characteristics:

- » Type: Patented dimple key with security sensor.
- » NO. of rows: 2
- » NO. of pins: 10 + 2 integrated in the key.
- » Technology: DROP ORBITAL (TESA exclusive)
- » Permutation level: Widely surpass the Grade 6 specified in the standard regulation.
- » Corrosion resistance: Grade C
- » Anti pick cylinder lock (Highest resistance.)
- » Advanced bump proof system.
- » Drill protection higher than grade 2.
- » Anti pull and anti snap features.
- » Lifespan: 200,000 test cycles.
- » Key copies protected with security card.
- » Clutch of double security.
- » Conform to EN-1303 regulation.
- » 5 patented keys made of nickel silver.
- » New ergonomic key design.

Options

- » Finishes: Brass / Nickel.
- » Cam: DIN R15 and R13.
- » Formats available: Key different, mater keyed, key alike and specific codes.
- » Wide measurement and profile range.
- » 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 the 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 recommends 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.


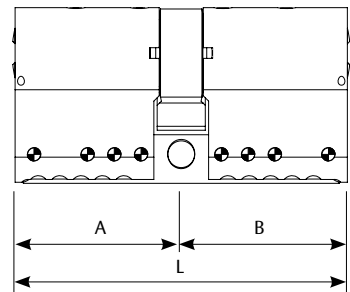

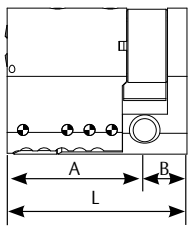

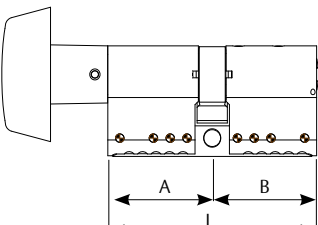


High security cylinder TK100

Patented

European profile



Double european		L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish
		60	30	30	TK15 30 30 L	Brass	TK15 30 30 N	Nickel
		65	30	35	TK15 30 35 L	Brass	TK15 30 35 N	Nickel
		70	30	40	TK15 30 40 L	Brass	TK15 30 40 N	Nickel
		70	35	35	TK15 35 35 L	Brass	TK15 35 35 N	Nickel
		75	30	45	TK15 30 45 L	Brass	TK15 30 45 N	Nickel
		75	35	40	TK15 35 40 L	Brass	TK15 35 40 N	Nickel
		80	30	50	TK15 30 50 L	Brass	TK15 30 50 N	Nickel
		80	35	45	TK15 35 45 L	Brass	TK15 35 45 N	Nickel
		80	40	40	TK15 40 40 L	Brass	TK15 40 40 N	Nickel
		85	35	50	TK15 35 50 L	Brass	TK15 35 50 N	Nickel
		90	30	60	TK15 30 60 L	Brass	TK15 30 60 N	Nickel
		90	35	55	TK15 35 55 L	Brass	TK15 35 55 N	Nickel
		90	40	50	TK15 40 50 L	Brass	TK15 40 50 N	Nickel
		90	45	45	TK15 45 45 L	Brass	TK15 45 45 N	Nickel
		100	30	70	TK15 30 70 L	Brass	TK15 30 70 N	Nickel
		100	40	60	TK15 40 60 L	Brass	TK15 40 60 N	Nickel
		100	50	50	TK15 50 50 L	Brass	TK15 50 50 N	Nickel
		110	30	80	TK15 30 80 L	Brass	TK15 30 80 N	Nickel
		110	50	60	TK15 50 60 L	Brass	TK15 50 60 N	Nickel
		120	30	90	TK15 30 90 L	Brass	TK15 30 90 N	Nickel
		120	40	80	TK15 40 80 L	Brass	TK15 40 80 N	Nickel
		120	60	60	TK15 60 60 L	Brass	TK15 60 60 N	Nickel
		130	30	100	TK15 31 00 L	Brass	TK15 31 00 N	Nickel
		140	40	100	TK15 41 00 L	Brass	TK15 41 00 N	Nickel
		150	50	100	TK15 51 00 L	Brass	TK15 51 00 N	Nickel
		160	60	100	TK15 61 00 L	Brass	TK15 61 00 N	Nickel
Single european. (8 positions standard)		L	A	B	Cam = 15 mm	Finish	Cam = 15mm	Finish
		40	30	10	TK15 30 10 L	Brass	TK15 30 10 N	Nickel
		45	35	10	TK15 35 10 L	Brass	TK15 35 10 N	Nickel
		50	40	10	TK15 40 10 L	Brass	TK15 40 10 N	Nickel
		60	50	10	TK15 50 10 L	Brass	TK15 50 10 N	Nickel
		70	60	10	TK15 60 10 L	Brass	TK15 60 10 N	Nickel
		80	70	10	TK15 70 10 L	Brass	TK15 70 10 N	Nickel
		90	80	10	TK15 80 10 L	Brass	TK15 80 10 N	Nickel
		100	90	10	TK15 90 10 L	Brass	TK15 90 10 N	Nickel
Knob european.		L	A	B	Cam = 15 mm	Finish	Cam = 15 mm	Finish
		60	30	30	TK1B 30 30 L	Brass	TK1B 30 30 N	Nickel
		65	30	35	TK1B 30 35 L	Brass	TK1B 30 35 N	Nickel
		70	35	35	TK1B 35 35 L	Brass	TK1B 35 35 N	Nickel
		70	40	30	TK1B 40 30 L	Brass	TK1B 40 30 N	Nickel
		80	30	50	TK1B 30 50 L	Brass	TK1B 30 50 N	Nickel
		80	40	40	TK1B 40 40 L	Brass	TK1B 40 40 N	Nickel
		85	35	50	TK1B 35 50 L	Brass	TK1B 35 50 N	Nickel
		90	30	30	TK1BTB3030L	Brass	TK1BTB3030N	Nickel
		90	35	30	TK1BTB3530L	Brass	TK1BTB3530N	Nickel

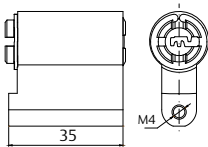
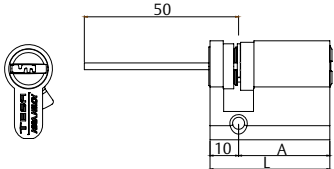
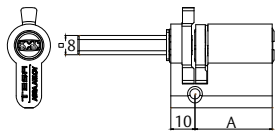
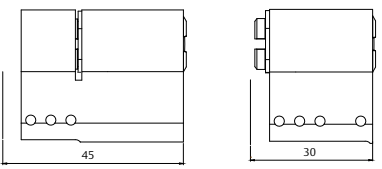
* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

** The butler system lets operate with the key form the outside even if knob is blocked from the inside. Is a solution thought for schools, geriatrics.etc.

High security cylinder TK100

Patented

European profile

Padlock exchangeable		L	A	B	Product code	Finish		
		-	-	-	TK15CL55L	Brass		
		-	-	-	TK15CL55N	Nickel		
Adjustable european cylinder		L	A	B	Product code	Finish		
	40	30	10	TK1R3010L	Brass			
	40	30	10	TK1R3010N	Nickel			
	50	40	10	TK1R4010L	Brass			
	50	40	10	TK1R4010N	Nickel			
Euro cylinder for lock set 3520		L	A	B	Product code	Finish		
	40	30	10	TK12520L	Brass			
	40	30	10	TK12520N	Nickel			
European modular heads (to be used with the modular cases)		L	A	B	Product code	Finish	Product code	Finish
	30	30	--	TK1530LMD	Latón	TK1530NMD	Nickel	
	45	45	--	TK1545LMD	Latón	TK1545NMD	Nickel	
	60	30	30	TK1560LMD	Latón	TK1560NMD	Nickel	
	75	30	45	TK1575LMD	Latón	TK1575NMD	Nickel	
	90	45	45	TK1590LMD	Latón	TK1590NMD	Nickel	

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

D

High security cylinder TK100

Patented

Round profiles

Round for TS lock sets		Ø	Inside length	Outside length	Product code	Finish
Inside		28	30	45	TK1TS40LC	Brass
		28	30	45	TK1TS40LT	Brass
Outside						

The ref. LC includes external shield and fixing plate.

Round for TS lock sets		Ø	Inside length	Outside length	Product code	Finish
Inside		28	30	Adjustable	TK1TSRFLC	Brass
		28	30	Adjustable	TK1TSRFLT	Brass
Outside						

The ref. LC includes external shield and fixing plate.

Adjustable round cylinder		Ø	Inside length	Outside length	Product code	Finish
		28	-	Adjustable	55TK15LT	Brass
		28	-	Adjustable	55TK15LN	Nickel

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

High security cylinder TK100

Patented

Round profiles

Nuova-FEB "Multipla"		Ø	Inside length	Outside length	Product code	Finish
Inside		25	25 mm	50 mm	TK1STPFL	Brass
		Ins. = 25 Out. = 28	25 mm	Adjustable	TK1STPRL	Brass
Outside (fix tail)						
Outside adjustable						

Round for AUMON & Serraller locks		Ø	Inside length	Outside length	Product code	Finish
		26	-	Adjustable	TK15REGAUHL	Brass
		26	-	Adjustable	TK15REGAUHN	Nickel
		26	-	Adjustable	TK15REGAUVL	Brass
		26	-	Adjustable	TK15REGAUVN	Nickel
		Accessories	Length		Product code	Finish
		TUBE	22		TUB2526L22L	Brass
		TUBE	22		TUB2526L22N	Nickel

Round for STEP lock set		Ø	Inside length	Outside length	Product code	Finish
		Int. = 25 Ext. = 28	20 mm	Adjustable	55EITK1POLI3L	Brass
		Int. = 25 Ext. = 28	20 mm	Adjustable	55EITK1POLI3N	Nickel

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

D

High security cylinder TK100

Patented

Round profiles

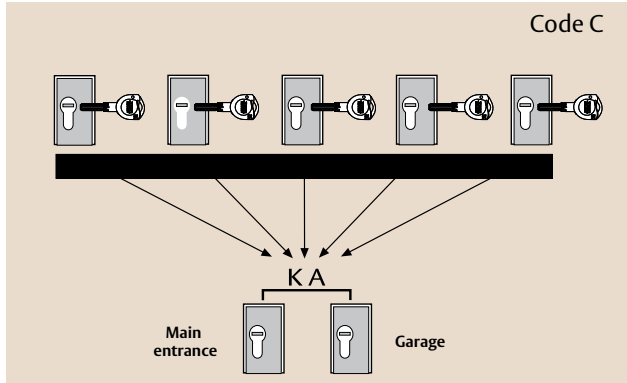
682		Metric	Type	Function	Product code	Finish
		23	Mécanico	-	682M23TK1NM	Nickel
		23	Electric	1 switch & return	682M23TK1CR	Nickel
		27	Mechanic	-	682TK1NM	Nickel
		27	Electric	1 micro switch	682TK11C	Nickel
		27	Electric	1 switch & return	682TK1CR	Nickel
		27	Electric	2 micro switches	682TK12C	Nickel

* To process "master keyed" and "cylinders alike" orders add either AM or KA in each part number, respectively.

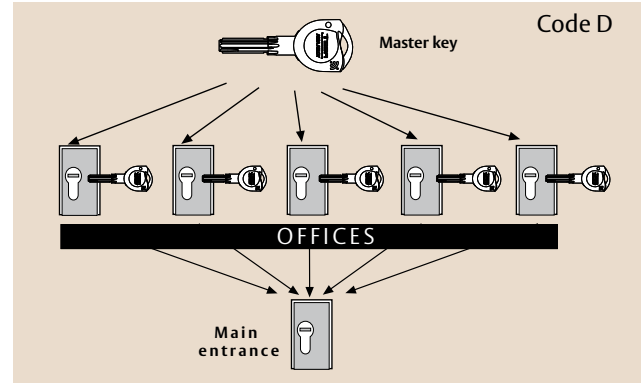
Master key systems

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.

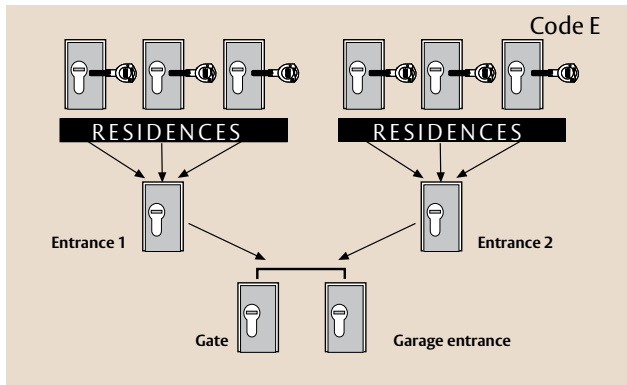
Central locking system.
(Community type).



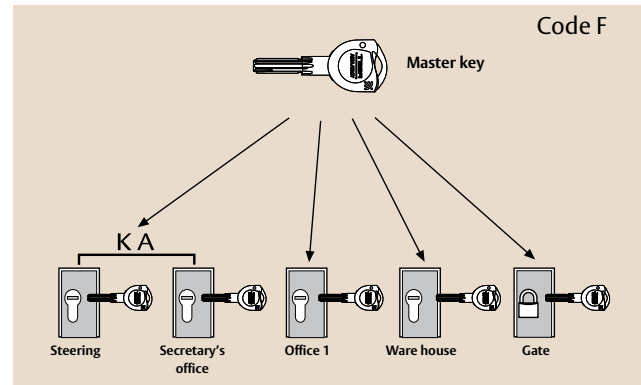
Central locking system with master key.
(Company type)



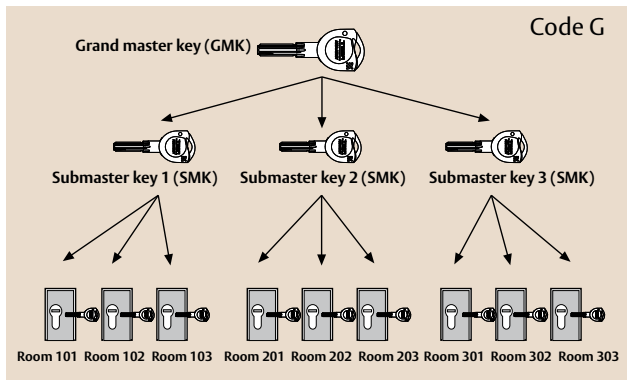
Central locking with several levels.
(Apartment blocks type.)



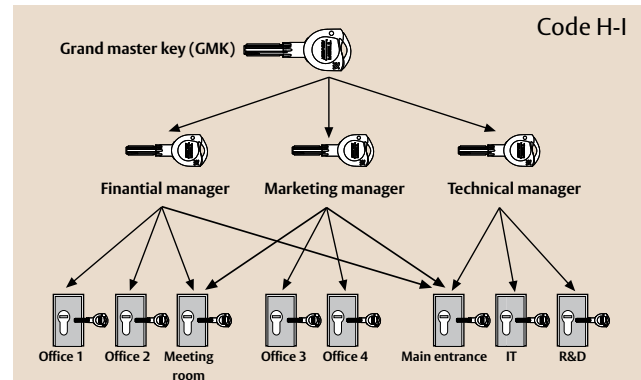
Simple master key suite.



Group master key suite.
(Hotel type)



Complex master key system
(Company type)



D

Master key systems

Surcharges for cylinders master keyed

Orders for master key systems will be surcharged according to the Product codes described in the tables.

Every type of locking system, both master keyed and cylinders alike, is codified according to the list shown bellow.

Product code	
A	Key alike
B	Specific key coding
C	Central locking system (Community type)
D	Central locking system with GMK
E	Central locking system with several levels. (Apartment block type)
F	Simple master key system
G	Group master key system
H + I	Complex master key suites. (Side pin)
K	Construction key

Note: Master key suites over 200 key functions can be charged with the type H - I. It will depend on the cylinder model selected.

How to build surcharges for master keyed cylinders.

Product code				
Type	System	Code	Code description	
REC1	TE5	A	Key alike.	
		B	Specific key coding.	
	TK6	C	Central locking system (Community type).	
		D	Central locking system with GMK.	
	T80	E	Central locking system with several levels. (Apartment block type).	
		F	Simple master key system.	
	TX8	G	Group master key system.	
		H	Complex master key suites. (Side pin)	
	T10	I	Others more complicated. (Side pin and multi profile).	
		K	Construction key.	
	TK1			

Example for a TK100 keyed alike. REC2TK1A.

Keys and cylinders with special engraving

Product code	Description
MARCARLLA	Special key code
MARCARCIL	Special cylinder engraving

Master key systems

TESA **48 HOURS** service

With this service, your orders will be manufactured in 48 hours. Always according to TESA's calendar and considering that has been processed within the range specified latter on. In addition, the order has to specify the term "express 48h delivery".

Working conditions:

1. Maximum order quantity: 100 units
2. Daily time limit: 11.00 am GMT 1:00. Orders received later will be postponed one day.
3. 48 hour orders can not be cancelled.
4. The orders must be specified in a lock chart made on excel or similar application.

48h Range

1. Systems: TE5, TK6, T60, T80 and TX80.
2. Finishes: Brass and Nickel
3. European profile measurements (Cam of 15mm).
 - **TE5**: - Double and thumb turn; from 30x30 to 50x50 and rising in 5mm.
 - Single from 30 to 50x10mm and 30Rx10 (Adjustable tail).
 - **TK6, T60, T80 and Tx80**: - Double and thumb turn; from 30x30 to 40x40.
 - Single from 30x10, 35x10 and 40x10mm.
 - Round cylinders: TK6, T60, T80 and Tx80:
 - 682 M23 and M27 switch and lever cam.

4. How to build 48 hour surcharges:

Product code			Description
Type	System	Code	
REC248	TE5	A	Key alike
		B	Specific key coding
		C	Central locking system (Community type)
	T60	D	Central locking system with GMK
	T80	E	Central locking system with several levels. (Apartment block type)
	TX80	F	Simple master key system
		G	Group master key system

Note; Cam R13mm (narrow style lock sets) can be asked for:

TE5, T60 and T80 within the range 30x30, 30x40, 35x35, 30x10 30x50, 40x40, 30Bx30. Nickel-plated.

TX80 within the range 30x30, 30x40, 35x35 and 30Bx30. Nickel-plated.

Knob sets master keyed in **72 HOURS**

In addition of 48 hour service, TESA gives you the possibility of having knob sets master keyed in 72 hours. The process is exactly the same but using the range specified in the table.

Range			
Range of knob sets	Finish	System	Type
3500, 3502, 3510, 3512	LP - CM - LM	TE5 - T60 - T80	Key alike.
3900, 3902, 3910, 3912	LP - CM - LM	TE5 - T60 - T80	Specific key coding
3B00, 3B02, 3B10, 3B12	LP - CM - LM	TE5 - T60 - T80	Central locking system (Community type).
			Central locking system with GMK.
			Central locking system with several levels. (Apartment block type).
			Simple master key system.
			Group master key system.

Example to get a part number built for a knob set 3,500 (back set 70mm) and T80 cylinder master keyed (simple) made of brass polished. 35007ALP + REC248T80F.



Accessories and cylinder parts

Key blanks

System	Material	Product code
TE5	Steel	LLAVTE5HH
TE5	Brass nickel plated	LLAVTE5LT
T60	Brass nickel plated	LLAVBRT60NS
T80	Nickel silver.	LLAVBRT80
T10	Nickel silver.	LLAVBRT1

Cut keys

System	Material	Cut key part	Supplementary keys in a locking plan or cylinders keyed alike
Borja	Steel	LLAVD2 1D, 1I, 2D, 2I, 3D, 3I, 4D, 4I, 5D, 5I	LLAVSUBJ
TE5	Steel	LLAVD3HH	LLAVSUAH
TE5	Brass nickel plated	LLAVD3LT	LLAVSUAL
T60	Brass nickel plated	LLART60	LLAVSUT60
T80	Nickel silver	LLART80	LLAVSUT80
TX80	Nickel silver	LLARTX80	LLAVSUTX8
T10	Nickel silver	LLART10	LLAVSUT10
TK100	Nickel silver	LLARTK100	LLAVSUTK100



Combi RFID keys

The RFID COMBI key from TESA allows mechanical master key systems to be compatible with TESA Standalone or other access control systems in only one device or credential.

COMBI key can be compatible with mechanical T80, TX80 or TK100 cylinders, furthermore, user will also have access to RFID MIFARE technology electronic lock or wall readers simply approaching the key head.

System	Product code (cut key)	Product code (blank key)
T80	LLAT80TALLCOMBI	LLAVBRT80COMBI
TX80	LLATX8TALLCOMBI	
TK100	LLATK1TALLCOMBI	

*Only for TK100 Version 1.



Accessories and cylinder parts

Modularity

Modular cases.

Both cases and the primary modules will let you assemble every measurement and format (double cylinder, single and thumb turn) in a very short time. Moreover, with this version and thanks to the union bars, these assemblies strengthen the snap resistance.



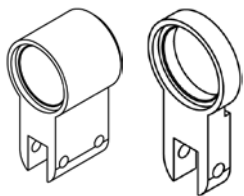
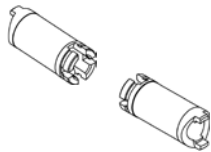
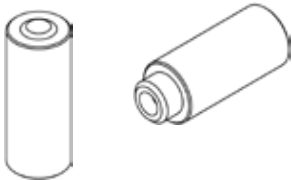
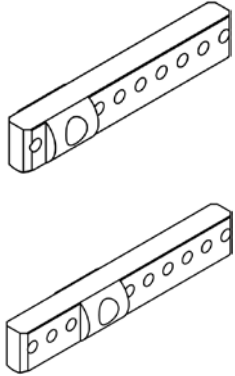
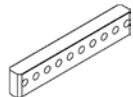

Modular KIT

Product code	Components included	Qty.	Components included	Qty.
KITMODULARTESA	Sloted modular body extension of 5mm	4	Modular bar of 1+5 holes.	2
	Sloted modular body extension of 10mm	4	Modular bar of 1+6 holes.	2
	Modular body extension of 15mm.	4	Modular bar of 1+7 holes.	2
	Modular body extension of 20mm.	4	Modular bar of 3+3 holes.	3
	Sloted modular body extension of 30mm.	4	Modular bar of 3+4 holes.	3
	Modular body extension of 30mm.	4	Modular bar of 3+5 holes.	3
	Modular body extension of 60mm.	2	Modular bar of 3+6 holes.	3
	Modular body extension for single cylinders	5	Modular bar of 3+7 holes.	3
	Rotor extension for side 35-5mm	4	Modular bar of 4+4 holes.	3
	Rotor extension for side 40-10mm	4	Modular bar of 4+5 holes.	3
	Rotor extension for side 45-15mm	4	Modular bar of 4+6 holes.	3
	Rotor extension for side 50-20mm	4	Modular bar of 4+7 holes.	3
	Rotor extension for side 60-30mm	4	Modular bar of 5+5 holes.	3
	Rotor extension for side 65-35mm	4	Modular bar of 5+6 holes.	3
	Rotor extension for side 70-40mm	4	Modular bar of 5+7 holes.	3
	Rotor extension for side 80-50mm	4	Modular bar of 6+7 holes.	3
	Clutch DS extension for side 40. (10mm)	10	Modular bar of 6+6 holes.	3
	Clutch DS extension for side 45. (15mm)	10	Modular bar of 7+7 holes.	3
	Clutch DS extension for side 50. (20mm)	10	Extension bar of 30mm	3
	Clutch DS extension for side 60. (30mm)	5	Extension bar of 40mm	3
Clutch DS extension for side 70. (40mm)	5	Extension bar of 50mm	3	
Clutch DS extension for side 80. (50mm)	5	Extension bar of 10mm	3	
Clutch STD extension for side 50. (20mm)	5	Union pins of Ø2.5x9.8mm	100	
Clutch STD extension for side 35. (5mm)	5	Self clumping retainners	100	
Clutch STD extension for side 40. (10mm)	5	Assembling bed.	1	
	Modular bar of 1+3 holes.	2	Punch to remove the union pins. Ø2x70mm	1
	Modular bar of 1+4 holes.	2	Punch to rivet the cylinder. Ø6x70mm	1

Product code	Components included	Qty.	Components included	Qty.
KITCOMPONENTES	Cams DIN R15 25°	50	Thumb turn clutch spring.	25
	Cams R13 0° for narrow styles.	50	Spindle knob of brass for knob side 27/37mm.	5
	Self clamping clips	100	Spindle knob of brass for knob side 40/60mm.	5
	Adjustable retaining clips	100	Spindle knob of brass for knob side 65/85mm.	5
	Standard clutches 30x30mm	25	Spindle knob of brass for knob side 90/110mm.	5
	Double security clutches 30x30mm	25	Knob of polished brass.	5
	Double security clutches 30x35mm	25	Knob nickel plated.	5
	Double security clutches 35x35mm	25	Pins DIN 7343 Ø2x16mm	100
	Knob clutch for key side 30mm (Dimple cylinder lock)	25	Fixing screw M5x80mm of brass.	25
	Knob clutch for key side 35mm.	25	Fixing screw M5x80mm nickel plated.	25
	Knob clutch for key side 30mm (Saw cylinder lock)	25	Cams DIN R15 for single cylinders	25
			Cams R13 for single cylinders	25



Accessories and cylinder parts

Replacement parts for KITMODULARTESA

Modular KIT	Product code	Description	
	MDSUPLE05R	10 Sloted modular body extension of 5mm	
	MDSUPLE10R	10 Sloted modular body extension of 10mm	
	MDSUPLE15N	10 Modular body extension of 15mm.	
	MDSUPLE20N	10 Modular body extension of 20mm.	
	MDSUPLE30R	10 Sloted modular body extension of 30mm.	
	MDSUPLE60N	10 Modular body extension of 30mm.	
	MDSUPLE00N	5 Modular body extension of 60mm.	
	MDCNO30LMB	10 Modular body extension for single cylinders brass	
	MDCNO30NM	10 Modular body extension for single cylinders nickel	
		SUPLEXTST3505	10 Rotor extension for side 35-5mm
SUPLEXTST4010		10 Rotor extension for side 40-10mm	
SUPLEXTST4515		10 Rotor extension for side 45-15mm	
SUPLEXTST5020		10 Rotor extension for side 50-20mm	
SUPLEXTST6030		10 Rotor extension for side 60-30mm	
SUPLEXTST6535		10 Rotor extension for side 65-35mm	
SUPLEXTST7040		10 Rotor extension for side 70-40mm	
SUPLEXTST8050		10 Rotor extension for side 80-50mm	
		SUPLINTE40DS	10 Clutch DS extension for side 40. (10mm)
		SUPLINTE45DS	10 Clutch DS extension for side 45. (15mm)
	SUPLINTE50DS	10 Clutch DS extension for side 50. (20mm)	
	SUPLINTE60DS	10 Clutch DS extension for side 60. (30mm)	
	SUPLINTE70DS	10 Clutch DS extension for side 70. (40mm)	
	SUPLINTE80DS	10 Clutch DS extension for side 80. (50mm)	
	SUPLINTE35	10 Clutch STD extension for side 50. (20mm)	
	SUPLINTE40	10 Clutch STD extension for side 35. (5mm)	
	SUPLINTE50	10 Clutch STD extension for side 40. (10mm)	
		MDBARRA13	10 Modular bar of 1+3 holes.
MDBARRA14		10 Modular bar of 1+4 holes.	
MDBARRA15		10 Modular bar of 1+5 holes.	
MDBARRA16		10 Modular bar of 1+6 holes.	
MDBARRA17		10 Modular bar of 1+7 holes.	
MDBARRA33		10 Modular bar of 3+3 holes.	
MDBARRA34		10 Modular bar of 3+4 holes.	
MDBARRA35		10 Modular bar of 3+5 holes.	
MDBARRA36		10 Modular bar of 3+6 holes.	
MDBARRA37		10 Modular bar of 3+7 holes.	
MDBARRA44		10 Modular bar of 4+4 holes.	
MDBARRA45		10 Modular bar of 4+5 holes.	
MDBARRA46		10 Modular bar of 4+6 holes.	
MDBARRA47		10 Modular bar of 4+7 holes.	
MDBARRA55		10 Modular bar of 5+5 holes.	
MDBARRA56		10 Modular bar of 5+6 holes.	
MDBARRA57		10 Modular bar of 5+7 holes.	
MDBARRA67		10 Modular bar of 6+7 holes.	
MDBARRA66	10 Modular bar of 6+6 holes.		
	MDALARG10	10 Extension bar of 10mm	
	MDALARG30	10 Extension bar of 30mm	
	MDALARG40	10 Extension bar of 40mm	
	MDALARG50	10 Extension bar of 50mm	
	MDPASADN	500 Punch to rivet the cylinder. Ø6x70mm	

Accessories and cylinder parts

Replacement parts for KITCOMPONENTES

	Product code	Description
	EXCR13D0	Cams R13 0° for narrow styles.
	EXCR15D5	Cams DIN R15 25°
	EXCR15M5	Cams DIN R15 for single cylinders
	EXCR13M0	Cams R13 for single cylinders
	EJEBOT2735	Spindle knob of brass for knob side 27/37mm.
	EJEBOT4060	Spindle knob of brass for knob side 40/60mm.
	EJEBOT6585	Spindle knob of brass for knob side 65/85mm.
	EJEBOT90110	Spindle knob of brass for knob side 90/110mm.
	PASADOR73432X16	Pins DIN 7343 Ø2x16mm
	MUELEJBOT	Thumb turn clutch spring.
	EMBRABOTT80	Knob clutch for key side 30mm (Dimple cylinder lock)
	EMBRABOT35	Knob clutch for key side 35mm.
	EMBRABOTIPS30	Knob clutch for key side 30mm (Sawn cylinder lock)
	BOTONELIPNM	Knob nickel plated.
	BOTONELIPAE	Knob of polished brass.
	EMBRAG3030	Standard clutches 30x30mm
	EMBRAGUEDS	Double security clutches 30x30mm
	EMBRADS3035	Double security clutches 30x35mm
	EMBRADS3535	Double security clutches 35x35mm
	TORN580HN	Fixing screw M5x80mm nickel plated.
	CLIPUEURO	Adjustable retaining clips
	ARANREP1	Self clamping clips

* Minimum order quantity: 50 Units.







** TK100 needs special components which are shown on the next page. They are not included in the "KITCOMPONENTES"

D

Accessories and cylinder parts

Modularity

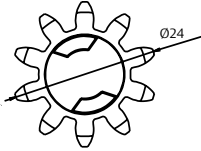
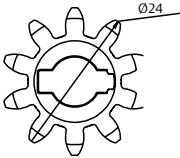
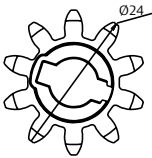
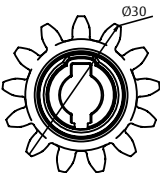
Special parts for TK100

	Product code	Description
	MDTAPATK100	Body caps for TK100 Version 1.
	EMBRAGUETK100	Double security clutch 30x30mm
	EMBRAGUETK3035	Double security clutch 30x35mm
	EMBRAGUETK3535	Double security clutch 35x35mm
	EMBRABOTTK1	Knob clutch for key side of 30mm
	EMBRABOTTK35	Knob clutch for key side of 35mm

* Minimum order quantity: 50 units.

** These components are not included in the case "KITCOMPONENTES".

Pinion gears

	Product code	Description
	EXCZ10D24	50 pinion gears with 10 teeth. Outside diameter is 24 mm and thickness, 8mm. Compatible with gears from both tooth and bottom land.
	EXCZ10D24V	50 pinion gears with 10 teeth. Outside diameter is 24 mm and thickness, 8mm. Compatible with gears from the bottom land.
	EXCZ10D24D	50 pinion gears with 10 teeth. Outside diameter is 24 mm and thickness, 8mm. Compatible with gears from the tooth.
	EXCZ13D30KSO	50 pinion gears with 13 teeth. Outside diameter is 30 mm and thickness, 4mm. Compatible with gears from the bottom land.

Accessories and cylinder parts

Key switch electric boxes

686 / 687

Options

- » 1M: 1 microswitch
- » 1L: 1 micro + luminous indicator.
- » 2M: 2 microswitches.
- » 2L: 2 micro+luminous indicator.

- » 1ME: 1 micro with interlocking.
- » 1LE: 1 micro + light + interlocking.
- » 2ME: 2 micro+interlocking.
- » 2LE: 2 micro + light + interlocking

- » Microswitch: maximum voltage 220 Vac. Maximum intensity 5A.
- » ED Red/Green: maximum voltage 12 Vac.

Model with interlocking

- » When turning the key, it will activate the microswitch and remain fixed.



Option	686 with return	686 interlock.
1M	686 SC 1M 220	686 SC 1ME 220
1L	686 SC 1L 220	686 SC 1LE 220
2M	686 SC 2M 220	686 SC 2ME 220
2L	686 SC 2L 220	686 SC 2LE 220

* These part numbers does not include the cylinder.

Model with return

- » Once the key is turning, it activates the microswitch and, later, a spring will prompt the return for removing the key.

Model with emergency stop (686sc2leseta)

- » Unlocking of emergency exits blocked by electromagnetic locks.
- » Press button available instead of "mushroom".
- » Mortise model available.

Model with activation button (686sc2meboton)

- » For opening electrically controlled doors (except electromagnetic)
- » Mortise model available.



Modelo	687 with return	687 interlock.
1ME	687 SC 1M 220	687 SC 1ME 220
1LE	687 SC 1L 220	687 SC 1LE 220
2ME	687 SC 2M 220	687 SC 2ME 220
2LE	687 SC 2L 220	687 SC 2LE 220

Cylinders compatible with the boxes.

- » These cases need a 30 x 10 cylinder with the cam placed at 90 degrees to the left. Except if the user needs to remove the key after opening or closing. Where the cam should be placed at 25 degrees and the case selected version 1ME.

Single euro model	Sys.	Product code	Sys.	Product code
	TE5	T53W 30 10 N	T10	T10PW3010N
	T60	T65W 30 10 N		
	T80	T85W 30 10 N	TX80	TX8W 30 10 N

Accessories and cylinder parts

Disconnectors with interlock switch

There are two applications available only by changing the position of the cylinder cam.

1. Cam 90° to the left.

They can be used as energy saving devices in hotel rooms, for example.

The key used to unlock the door of the room will have to remain inserted and turned in the box if the guest wants to use the air conditioned, lights, heating...etc.

This system ensures the electric consumption to the time spent by the guest in the room.
existentes de TESA.

2. Cam to 25° to the left.

Connection and disconnection with key withdrawal in both positions.

Applications:

Installations working by day (the switch closes the circuit) and disconnected by nights (circuit open).

Key switch box with emergency mushroom

It includes a protector to avoid pushing the mushroom by accident.

When the mushroom is pushed, it breaks the circuit and remains interlocked. To revoke the operation, there has to turn it to the left.

Application:

1. Installations provided with electromechanical lock sets.
2. Opening of emergency doors controlled electronically.



Model	686	687
1 Mushroom + 2 switches + 2 led	686SC2LE220SETA	687SC2LE220SETA

Microswitch: maximum voltage 220 Vac. Maximum intensity 5A.

LED Red/Green: maximum voltage 12 Vac.

Accessories and cylinder parts

Key switch box with emergency push button

The circuit is opened while someone keeps the STOP button pushed.

Applications: Escalators, automatic doors...etc.

Available models 686 and 687. Optional with two led (red and green).



Model	686	687
STOP with two switches	686SC2MESTOP	687SC2MESTOP
STOP with two switches and 2 led.	686SC2LESTOP	687SC2LESTOP

Microswitch: maximum voltage 220 Vac. Maximum intensity 5A.

LED Red/Green: maximum voltage 12 Vac.

The cylinder is not included (Order separately).

Key switch box with activation button

When the button is pushed the circuit is activated

Button: It is a push button switch normally open.

Applications: Electromechanical unlocking...etc.



Model	686	687
Activator with two switches.	686SC2MESTOP	687SC2MESTOP
Activator with two switches and 2 led.	686SC2LESTOP	687SC2LESTOP

Microswitch: maximum voltage 220 Vac. Maximum intensity 5A.

LED Red/Green: maximum voltage 12 Vac.

The cylinder is not included (Order separately).

Adjustable cam single cylinder for electrical boxes.

» Cylinders compatible with the boxes.

These boxes require a cylinder 30x10 with the cam placed 90° to the left. Except in the option 1ME with key withdrawal in both positions, where the cam must be placed to 25°.

Single EURO	Sys.	Product code	Sys.	Product code
	TE5	T53W 30 10 N		T10PW 30 10 N
	T60	T65W 30 10 N		
	T80	T85W 30 10 N	TX80	TX8W 30 10 N
			TK100	TKC53010N

* The cylinder is not included (Order separately).

D

Accessories and cylinder parts

KEY DEPOSIT

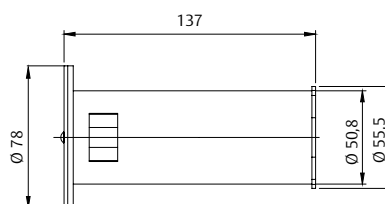
Designed to keep in a safe place particular keys that may be required at specific times.

Available models

- » Key deposit with plate protection and outdoor use.
- » Key deposit with plate protection and security microswitch. When this deposit is open and properly installed, it sends a warning signal reporting the opening in a central alarm, police panel...etc.

Professional applications of the key deposit

- » Telecommunications, electric or water companies.
- » Firemen and security companies.
- » Banks, offices, shops.



Product code	Compatible cylinders
DEPOEUSTRD	TX8W3010N
DEPOEUSTRD	TK153010N

The cylinder is not included. Order apart.

TESA maintenance spray

A product specially developed to maintain the correct working of the cylinder lock.

Product description:

- » It cleans and lubricates the cylinder.
- » It protects the cylinder from the corrosion and rust.
- » Appropriate between -40° and 600°C
- » Content of each can: 50ml

Product code	Description
SPRAYTESA	12 spray cans per unit box



Shield protective

Product code	Description
ESCUUNIVEURO1	(universal shield protective)



Minimum order quantity 25 units

Notes

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ASSA ABLOY is the global leader in door opening solutions,
dedicated to satisfying end-user needs for security, safety and convenience.