



## Mortice locks



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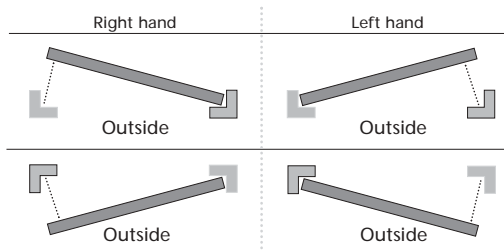
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## Introduction

TESA's mortice locks have a good name due to their reliability (heavy duty, corrosion resistance of the finishes, etc.) and the ample range in locks and functions. Since its foundation in 1941 the company has strived to fulfil its compromise to maintain a consistent high quality in its products. It has been rewarded by obtaining in 1994 the quality certificate ISO 9001, and in 1999 the environmental certificate ISO 14001, being a pioneer in Europe in this sector.



## Door hands



All of the locks in this chapter have reversible latch. You must specify the hand in panic locks with split follower (panic function only inside).

## Finishes, a competitive advantage

Among the competitive advantages of our locks, we would draw attention to the quality of the finish of the components: forend, strike, latchbolt and deadbolt.

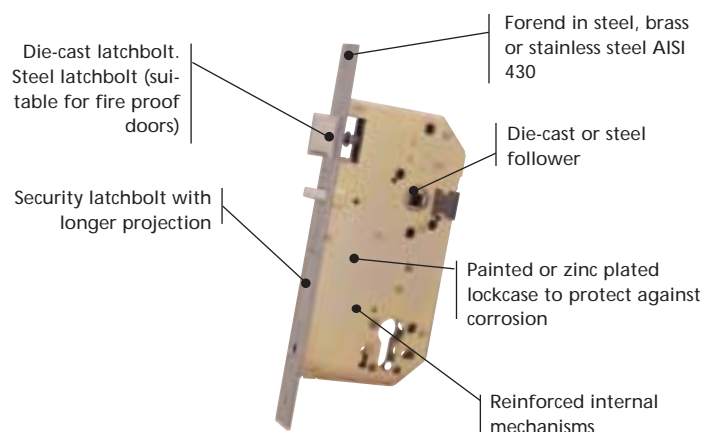
We are able to extend the TESA guarantee through the complete range due to our internal quality specifications -certified by the ISO 9001 standards.

When choosing the lock finish, please note the necessity to combine elegance and functionality. For highly humid or salty atmosphere we suggest AI, HE, NE or LP finish. Any other conditions, use HL or HN.



	Standard	ANSI A156.18	ASTM D3359/90	prEN 1670
Finishes	Layer hard-ness	Adhere-ance	Corrosion resistance	
LP	Polished brass	4H	4B	up to 96 hours
HL	Brass plated steel	4H	4B	up to 96 hours
HN	Nickel plated steel	4H	4B	up to 96 hours
HE/AE	Gold enamelled steel	4H	4B	up to 96 hours
NE	Black painted steel	4H	4B	up to 96 hours
AI	Stainless steel AISI 430	4H	4B	up to 96 hours

## Lock parts

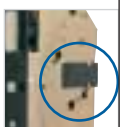


### ANTI-THRUST SECURITY PIN

When security depends on the latchbolt, this feature blocks a fraudulent latchbolt thrusting from the outside.

### DRILL-RESISTANT FOLLOWER PROTECTOR

When using panic locks with standard follower, it avoids drilling from the outside to insert a handle an open the door.



**TESA** Standard Range



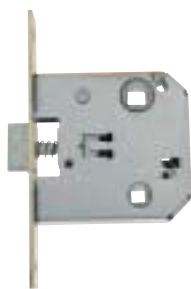
**2000 SERIES** 4



**2300 SERIES** 4

**Features**

The Standard Range provides solutions for timber doors at a reasonable price with the reliability and finishing quality of higher ranges.



**2000 Series**

- Mortice lock for timber doors.
- Reversible latchbolt.
- Distance between axes: 50 mm. (2000), 47'5 mm. (2002/ 2004) or 47 mm (2004U).
- Backset: 30/ 40/ 50 mm.
- Follower: 8 mm. Thumbturn follower: 6 mm.
- Narrow forend (20 mm.) suitable for overlapping doors.
- 1/2 rounded forend available.
- Closed lockcase.
- Round cylinder TE-5 with 3 nickel plated steel keys (2000/ 2001).
- 1 nickel plated steel warded key (2002/ 2003).
- Packed: 15/60 units (2005) and 1/20 units (rest).

**2300 Series**

- Warded key mortice lock for timber doors.
- Not reversible: handed latchbolt.
- Distance between axes: 70 mm.
- Backset: 40 mm.
- Follower: 7/8 mm. Thumbturn follower: 6 mm.
- Narrow forend (20 mm.) suitable for overlapping doors.
- 1/2 rounded forend.
- Striking plate not included.
- Zinc alloy latchbolt is withdrawn by the follower.
- Closed lockcase.
- 13 mm. single throw deadbolt.
- 1 nickel plated steel warded key (2302).
- Packed: 1/50 units.

**2000 Series**

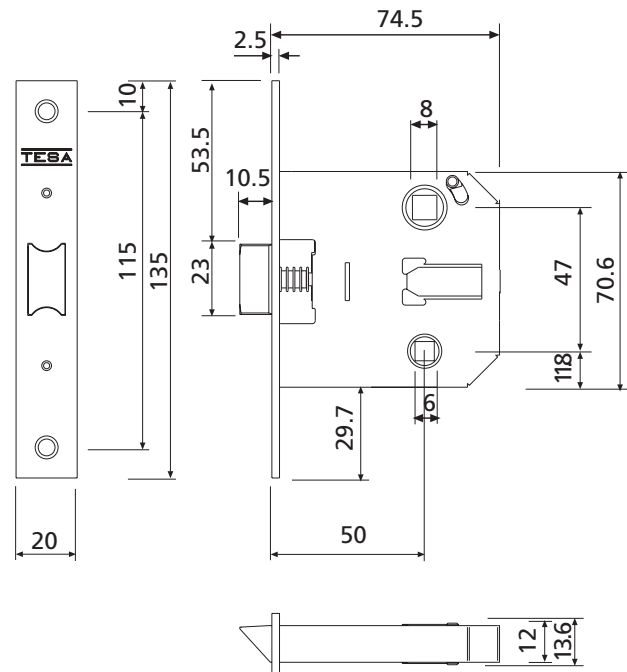
Mat./ acabados	LP	HL	HZ
Lockcase	galvanized	galvanized	galvanized
Forend	brass/ brass	steel/ brass	steel/ zinc
Strike	brass/ brass	steel/ brass	steel/ zinc
Latchbolt	nickel plated die cast	nickel plated die cast	nickel plated die cast
Deadbolt	nickel plated die cast	nickel plated die cast	nickel plated die cast



## 2000 Series

**TESA**

2004U - DUAL LATCHBOLT



### Features

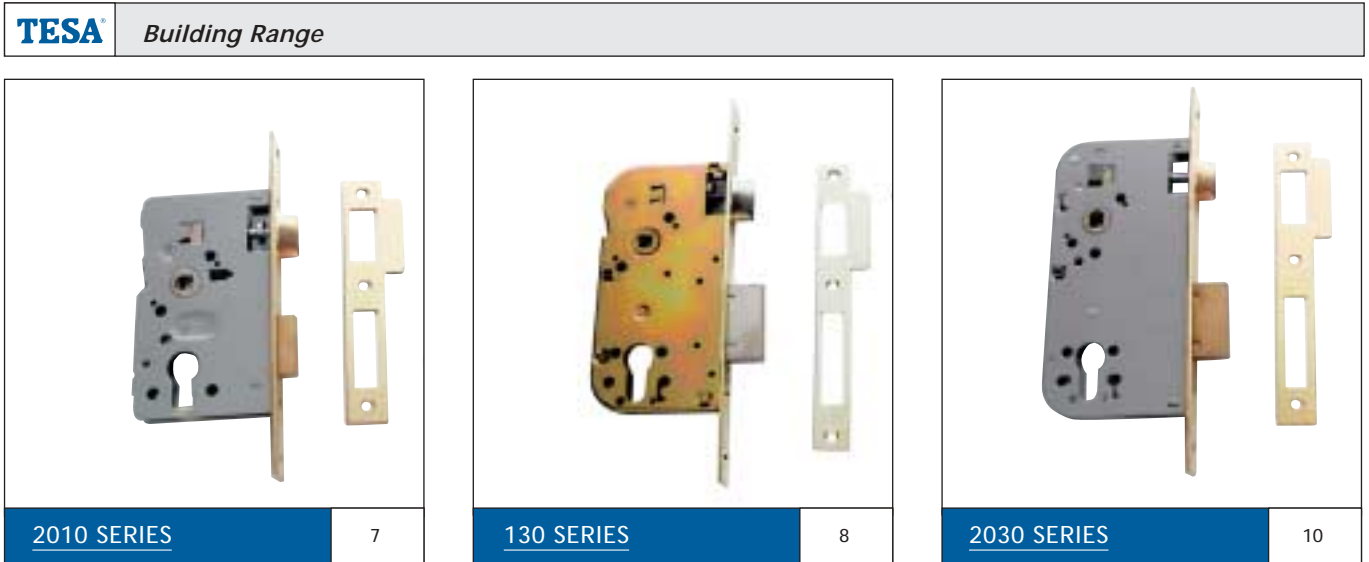
- Latchbolt for timber doors.
- Suitable for both passage and bathroom/ bedroom doors.
- Reversible.
- Anti lock-out feature: when the door is open and locked automatic slam release. Door remains unlocked even if accidentally closed, if thumbturn has been operated. Prevents accidental lock-out.
- Distance between axes: 47 mm.
- Backset: 50 mm.
- Follower: 8 mm. Thumbturn follower: 6 mm.
- Narrow forend (20 mm.) suitable for overlapping doors.
- 1/2 rounded forend available.
- Closed lockcase.
- Packed: 1/60 units.

### Finishes (forend/ strike)

- Brass plated steel (HL)/ gold enamelled steel (AE).
- Nickel plated steel (HN)/ nickel plated steel (HN).
- Gold enamelled steel (AE)/ gold enamelled steel (AE).
- Stainless steel AISI 430 (AI)/ stainless steel AISI 430 (AI).
- Black painted steel (NE)/ black painted steel (NE).

### The competitive advantage

- The new DUAL latchbolt provides a competitive advantage for the door manufacturer or the carpenter: only one lock is needed to equip both passage and bathroom/ bedroom doors.
- The use of the door (passage/ bathroom) is decided at the building works. The carpenter reduces his stock to one type of door. The handle will give the function to the door.
- TESA adds value to these advantages offering:
  - a) Two distances between axes: 47 and 70 mm. (2004U/ 134U).
  - b) Anti-lockout feature.
  - c) Bolt through fixing possibility with any rose handle(134U).
  - d) Wide range of finishes guaranteed by TESA, the most renowned name throughout the world for its security products.



## Features

### 2010 Series

- Sashlock for timber doors.
- Reversible.
- Distance between axes: 50 mm. (2010), 47 mm. (2010P).
- Backset: 40/ 50/ 60 mm.
- Follower: 8 mm. Thumbturn follower: 6 mm.
- Optional: Narrow forend (20 mm.) suitable for overlapping doors.
- 1/2 rounded forend available.
- Round cylinder TE-5 (2010). Euro-profile 5 pin cylinder made to DIN V 18254 with 3 nickel plated steel sawn keys (2010P).
- Packed: 10/40 units (2015) and 1/20 units (rest).

### 130 Series

- Sashlock for timber doors.
- Reversible.
- Distance between axes: 70 mm.
- Backset: 40/ 50 mm.
- Follower: 7/8 mm. Thumbturn follower: 6 mm.
- Narrow forend (20 mm.) suitable for overlapping doors.
- 1/2 rounded forend available.
- Closed lockcase to avoid shaving come in.
- Lockcase, forend and strike dimensionally unified for the complete range.
- Euro-profile 5 pin cylinder made to DIN V 18254 with 3 nickel plated steel sawn keys. HL/ AE finish: brass finished cylinder. HN finish: nickel finished cylinder.
- Packed: 1/20 units.

### 2030 Series

- Sashlock for timber doors.
- Reversible.
- Distance between axes: 85 mm.
- Backset: 40/ 50/ 60/ 70 mm.
- Follower: 8 mm. Thumbturn follower: 6 mm.
- 1/2 rounded forend available.
- Euro-profile 5 pin cylinder made to DIN V 18254 with 3 nickel plated steel sawn keys. HL/ AE finish: brass finished cylinder. HN/ NE/ AI finish: nickel finished cylinder.
- Packed: 1/20 units.

Mat./ finishes	2010			130				2030				
	LP	HL	HN	AE	HL	HN	AI	LP	HL	HN	NE	AI
Lockcase	paint	paint	paint	steel/zinc	steel/zinc	steel/zinc	steel/zinc	stl./paint	stl./paint.	stl./paint.	steel/zinc	steel/zinc
Forend	brass/brass	steel/brass	steel/nick.	stl./paint.	steel/brass.	steel/nick.	st.stl. 430	brss/brss	steel/brass	steel/nick.	stl./paint.	st.stl. 430
Strike	brass/brass	steel/brass	steel/nick.	stl./paint.	steel/brass.	steel/nick.	st.stl. 430	brss/brss	steel/brass	steel/nick.	stl./paint.	st.stl. 430
Latchbolt	zinc alloy	zinc alloy	zinc alloy	zinc alloy	zinc alloy	zinc alloy	steel	brass	zinc alloy	zinc alloy	zinc alloy	zinc alloy
Deadbolt	zinc alloy	zinc alloy	zinc alloy	zinc alloy	zinc alloy	zinc alloy	zinc alloy	brass	zinc alloy	zinc alloy	zinc alloy	zinc alloy
Finish latch/deadbolt	nickel	nickel	nickel	nickel	nickel	nickel	nickel	brass	nickel	nickel	nickel	nickel

## 2010 Series

**TESA** 2010 - Entrance

**Features**

- Distance between axes: 50 mm. Backset: 40/ 50 mm.

**Operation**

- 14 mm. single throw. Reversible latchbolt withdraws from either side whit lever or knob or by cylinder.

**TESA** 2010-P - Entrance

**Features**

- Distance between axes: 47 mm. Backset: 40/ 50/ 60 mm.

**Operation**

- 20 mm. double throw. Reversible latchbolt withdraws from either side whit lever or knob or by cylinder.

**TESA** 2014 - Privacy

**Features**

- Optional: 20 mm. narrow forend

**Operation**

- 14 mm. single throw. Reversible latchbolt withdraws from either side whit lever or knob.

**TESA** 2015 - Passage

**Operation**

- Reversible latchbolt withdraws from either side whit lever or knob.

**TESA** 2015-U - Passage

**Features**

- Same dimensions than 2010P/ 2014/ 2015.
- Optional: 20 mm. narrow forend.

**Operation**

- Reversible latchbolt withdraws from either side whit lever or knob.

**TESA** 2S14/ 2S15 - Silent Tech Series

**Features**

- Zinc alloy sprung anti-friction latchbolt: smoother operation.
- Reversible.

## 130 Series

<b>TESA</b>	<i>130 - Entrance</i>
<p><b>Operation</b></p> <ul style="list-style-type: none"> <li>• Reversible latchbolt withdraws from either side with levers or knobs or by cylinder.</li> <li>• 20 mm. double throw.</li> </ul>	

<b>TESA</b>	<i>131 - Store room</i>
<p><b>Operation</b></p> <ul style="list-style-type: none"> <li>• 20 mm. double throw.</li> </ul>	

<b>TESA</b>	<i>134 - Privacy</i>
<p><b>Operation</b></p> <ul style="list-style-type: none"> <li>• Reversible latchbolt withdraws from either side with levers or knobs.</li> <li>• 20 mm. single throw.</li> </ul>	

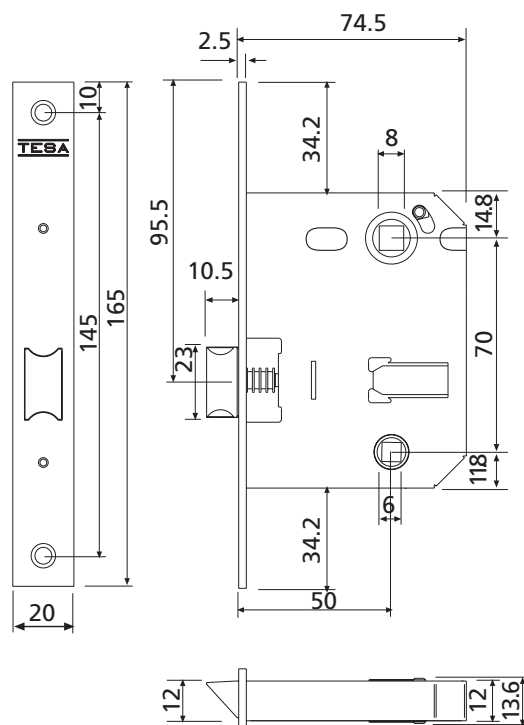
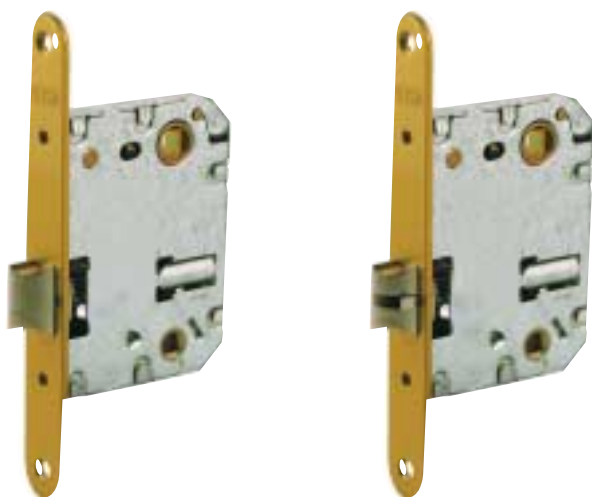
<b>TESA</b>	<i>135 - Passage</i>
<p><b>Operation</b></p> <ul style="list-style-type: none"> <li>• Reversible latchbolt withdraws from either side with levers or knobs.</li> </ul>	

<b>TESA</b>	<i>137 - Mortice nighlatch</i>
<p><b>Operation</b></p> <ul style="list-style-type: none"> <li>• Reversible latchbolt withdraws from either side with levers or knobs or by cylinder.</li> <li>• Latchbolt can be deadlocked with key; inner lever/ knob inoperable when latchbolt deadlocked.</li> </ul>	

## 130 Series

**TESA**

134U - DUAL LATCHBOLT



### Features

- Latchbolt for timber doors.
- Suitable for both passage and bathroom/ bedroom doors.
- Reversible.
- Anti lock-out feature: when the door is open and locked automatic slam release. Door remains unlocked even if accidentally closed, if thumbturn has been operated. Prevents accidental lock-out.
- Lockcase prepared for handle bolt through fixing.
- Distance between axes: 70 mm.
- Backset: 50 mm.
- Follower: 8 mm. Thumbturn follower: 6 mm.
- Narrow forend (20 mm.) suitable for overlapping doors.
- 1/2 rounded forend available.
- Closed lockcase.
- Packed: 1/60 units.

### Finishes (forend/ strike)

- Brass plated steel (HL)/ gold enamelled steel (AE).
- Nickel plated steel (HN)/ nickel plated steel (HN).
- Gold enamelled steel (AE)/ gold enamelled steel (AE).
- Stainless steel AISI 430 (AI)/ stainless steel AISI 430 (AI).
- Black painted steel (NE)/ black painted steel (NE).

### The competitive advantage

- The new DUAL latchbolt provides a competitive advantage for the door manufacturer or the carpenter: only one lock is needed to equip both passage and bathroom/ bedroom doors.
- The use of the door (passage/ bathroom) is decided at the building works. The carpenter reduces his stock to one type of door. The handle will give the function to the door.
- TESA adds value to these advantages offering:
  - a) Two distances between axes: 47 and 70 mm. (2004U/ 134U).
  - b) Anti-lockout feature.
  - c) Bolt through fixing possibility with any rose handle(134U).
  - d) Wide range of finishes guaranteed by TESA, the most renowned name throughout the world for its security products.

## 2030 Series

**TESA** 2030 - Entrance

**Features**

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

**Operation**

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

**TESA** 2031 - Store room

**Features**

- Deadlock. Backset: 40/ 50/ 60 mm.
- 2031-U: Same dimensions than 2030, 2034 and 2035.

**Operation**

- 20 mm. double throw.

**TESA** 2034 - Privacy

**Operation**

- Reversible latchbolt withdraws from either side with levers or knobs.
- 20mm. single throw.

**TESA** 2035 - Passage

**Features**

- Backset: 50/ 60/ 70 mm.

**Operation**

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

**TESA** 2036 - Roller bolt

**Features**

- Backset: 40/ 50/ 60 mm.

**Operation**

- 20 mm. double throw.

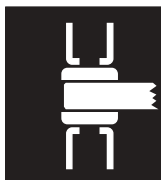
	40	50	60	70
<b>Finishes/ backset</b>				
polished brass (LP)	•	•	•	•
Brass plated steel (HL)	•	•	•	•
Nickel plated steel (HN)	•	•	•	•
Gold enamelled steel (HE)	•			
Black painted (NE)		•	•	•
Stainless steel AISI 430 (AI)		•	•	•
<b>Models/ backset</b>				
2030	•	•	•	•
2031	•	•	•	
2034	•	•	•	•
2035		•	•	•
2036	•	•	•	

Opcionalmente se puede disponer de cajas para los cerraderos con las referencias C2030CJTN y C2035CJTN



2030A/ 2030F/ 2030E/ 2030S SERIES

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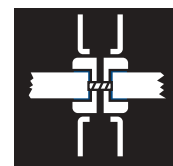
When using a panic lock, if it is dead-locked both latch and deadbolt withdraw simultaneously by lever or knob from the inside.

**PANIC - STANDARD FOLLOWER**

Non handed lock. Latch withdrawal by lever or knob from either side also withdraws deadbolt simultaneously. Usually installed with an inner lever.

**PANIC - SPLIT FOLLOWER**

Handed lock. Requires split spindle (CD2030S8M). Latch withdrawal by lever or knob from inside also withdraws deadbolt simultaneously.



**General features**

Hospitals, schools, office buildings, ... deal with intensive public traffic and rough use.

Locks included in the Commercial Range bring together reliability and functionality, and combine also with handles, panic bars, electro-magnetic devices, etc. provided by TESA.



**2030A/ 2030F/ 2030E/ 2030S Series**

- Sashlock for timber doors.
- Reversible latchbolt.
- Distance between axes: 85 mm.
- Backsets: 50/ 60/ 70 mm.
- Follower: 8 mm. Thumbturn follower: 6 mm.
- 1/2 rounded forend available.
- Closed lockcase.
- Euro-profile 5 pin cylinder made to DIN V 18254 with 3 nickel plated steel sawn keys. LP/ HL finish: brass finished cylinder. HN/ NE/ AI finish: nickel finished cylinder.
- Packed: 1/20 units.

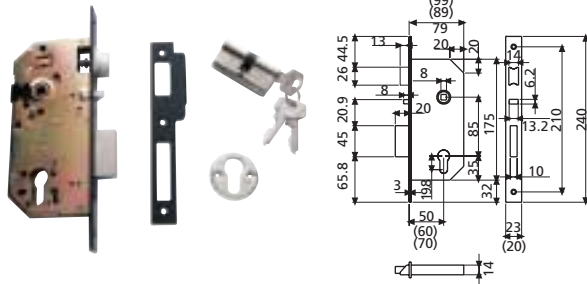
Material/ finishes	2030A	2030F/ 2030E/ 2030S		
	LP	HL	AI	NE
Lockcase	steel/pnt	steel/pnt	steel/pnt	steel/pnt
Forend	brass	stl/brass	st.steel.430	steel/pnt.
Strike	brass	stl/brass	st.steel.430	steel/pnt
Latchbolt	brass	stl/nickel	stl/nickel	stl/nickel
Deadbolt	brass	stl/nickel	stl/nickel	stl/nickel

Selector	Anti-fric-tion latch	Panic feature		Anti-thrust bolt	Fire proof
		Split follower	Standard follower		
2030A		●	●	●	
2S30A	●		●	●	
2030F		●	●	○	●
2030S		●	●		●
2030E				●	●

○ Only in models with standard follower

## 2030A/ 2030F/ 2030E/ 2030S Series

### TESA® 2030F - Fire proof. panic

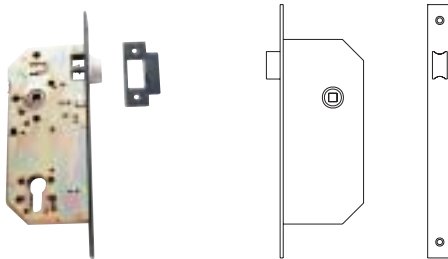


#### 2030F

- Application to fire proof doors (steel latchbolt and deadbolt).
- Panic feature: standard or split follower.
- Anti-thrust bolt. (Only in models with standard follower)
- Entrance doors.

#### Operation

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

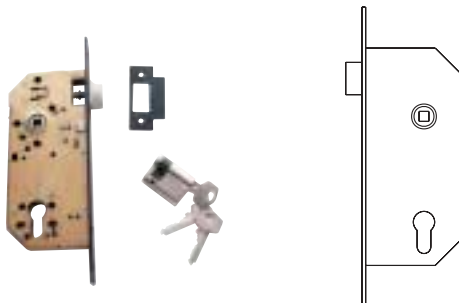


#### 2035F

- Application to fire proof doors (steel latchbolt and deadbolt).
- Passage doors.

#### Operation

- Reversible latchbolt withdraws from either side with lebers or knobs.



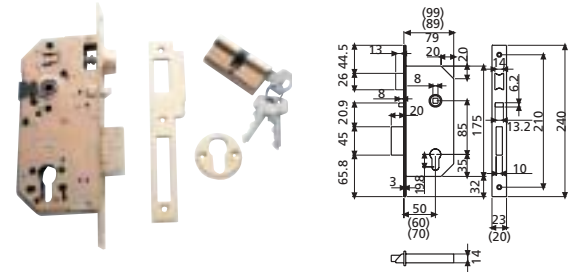
#### 2039F

- Application to fire proof doors (steel latchbolt and deadbolt).
- Main entrance doors. Mortice nightlatch.

#### Operation

- Latchbolt withdraws from inside with lever or knob or by single cylinder from outside.

### TESA® 2030A - Panic



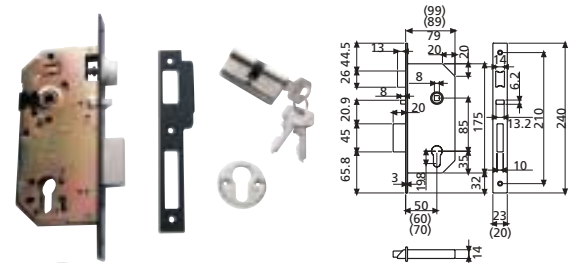
#### 2030A

- Panic feature: standard or split follower.
- Anti-thrust bolt.
- Entrance doors.

#### Operation

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

### TESA® 2030E - Fire proof, not panic



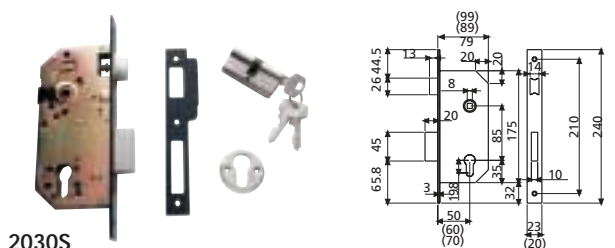
#### 2030E

- Application to fire proof doors (steel latchbolt and deadbolt).
- Anti-thrust bolt.
- Entrance doors.

#### Operation

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

### TESA® 2030S - Fire, panic, not anti-thrust



#### 2030S

- Application to fire proof doors (steel latchbolt and deadbolt).
- Panic feature: standard or split follower.
- Entrance doors.

#### Operation

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

## Accessories

<b>TESA</b>	<i>ADAPT2034 - Privacy adaptor</i>
<p><b>Features</b></p> <ul style="list-style-type: none"> <li>• Converts a sashlock into a privacy lock.</li> <li>• Thumbturn follower: 6 mm.</li> <li>• Includes two stop pins to get deadbolt single throw .</li> </ul>	

<b>TESA</b>	<i>44000LM</i>
<p><b>Features</b></p> <ul style="list-style-type: none"> <li>• Decorative brass ring for round cylinder (2000/ 2010 locks Series).</li> <li>• Finish: brass.</li> </ul>	

<b>TESA</b>	<i>Follower adaptors and spindles</i>
	<p><b>44600HH</b> 8 to 6 mm. adaptor</p>
	<p><b>44700HH</b> 8 to 7 mm. adaptor</p>
	<p><b>44900HH</b> 9 to 8 mm. adaptor for split follower</p>
	<p><b>CASQUCF50</b> 9 to 8 mm. adaptor for standard follower</p>
	<p><b>CDCF60MAK</b> 9 to 8 mm. split spindle</p>
	<p><b>CDCF60MAL</b> 9 to 8 mm. short spindle.</p>
	<p><b>CD2030S8M</b> 8 mm. split spindle</p>
<p><b>Features</b></p> <ul style="list-style-type: none"> <li>• Steel adaptors.</li> <li>• Installation: in the lock/ handle follower.</li> <li>• Use split spindles with split follower locks.</li> </ul>	

<b>TESA</b>	<i>44100LM/ NM</i>
<p><b>Features</b></p> <ul style="list-style-type: none"> <li>• Decorative brass plate for euro-profile cylinder (2010-P/ 130/ 2030 lock Series).</li> <li>• Finishes: Brass (LM) or nickel (NM).</li> </ul>	


**SERIE 2UB0**

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### General features

#### 2040 Series

- Sashlock for timber or metallic doors.
- Meets UNE 97-320-88 in the highest level and UNE 85412: 2.000 grade B (see table).
- Anti-friction reversible sintered steel latchbolt. Latchbolt projection: 17 mm. (extra-security).
- Distance between axes: 85 mm.
- Backsets: 60/ 70 mm.
- Follower: 8 mm. Thumbturn follower: 6 mm.
- 1/2 rounded forend available.
- Closed lockcase.
- Euro-profile 5 pin cylinder made to DIN V 18254 with 3 nickel plated steel sawn keys. LP/ HL finish: brass finished cylinder. HN/ NE/ AI finish: nickel finished cylinder.
- Packed: 1/20 units.

During these last years we have observed a high development of european regulations related to building hardware.

Gradually CEN members (Spain is among them) ratify each European Standard (EN). These standards reach the national law degree and are compulsory to carry out.

TESA, one of the main European manufacturers, has developed a full range directed to specifiers (architects, builders), according to each standard: locks, cylinders, doorclosers, panic devices, etc.

2040 Series locks have been internally tested according to UNE 97-320-88. This standard corresponds partially to AFNOR NF P-26-412 y BSI BS 5872.

#### UNE 97-320-88

**Grade B**

##### Latchbolt operation tests

Latchbolt spring strength (máximo N)	25
Strength to withdraw latchbolt with lever (N x m)	1<P<3
Strength to withdraw latchbolt with key (N x m)	<=0,6
Latchbolt operation with side effort (N x m)	2
Strength and effort: simultaneous application (N x m)	<=8

##### Latchbolt resistance tests

Follower minimum resistance (N)	500
Latchbolt minimum resistance (N)	3.500

##### Latchbolt cycles tests

Latchbolt spring fatigue (n° cycles)	300.000
Action of strike on latchbolt (n° cycles)	200.000
Follower operation by handle (n° cycles)	250.000

##### Deadbolt operation tests

Key operation (N x m)	<=0,5
Key operation with side effort (N x m)	<=2,5

##### Deadbolt resistance tests

Deadbolt-strikecase resistance to side effort (N)	3.000
Side resistance of strike (N)	3.000
Resist. to frontal strength over the key (Nxm)	<=1
Deadbolt retainer mechanism resistance (min. N)	2.000

##### Cycles test

Number of manoeuvres	100.000
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##### Coating finish

Cross-cut tape test	Grade 1
Coating hardness	3H
Salt spray test resistance (hours)	96

### 2UB0

Mat. / finishes	LP	HL	AI	NE
Lockcase	steel/paint	steel/paint	steel/nick.	steel/nick.
Forend	brass	steel/brass	st.steel430	steel/paint.
Strike	brass	steel/brass	st.steel430	steel/paint.
Latchbolt	brass	steel/nick.	steel/nick.	steel/nick.
Deadbolt	brass	steel/nick.	steel/nick.	steel/nick.





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