

SECURITY LOCKS WITH EMERGENCY HANDLE  
**INSTALLATION, USE AND  
MAINTENANCE INSTRUCTIONS**

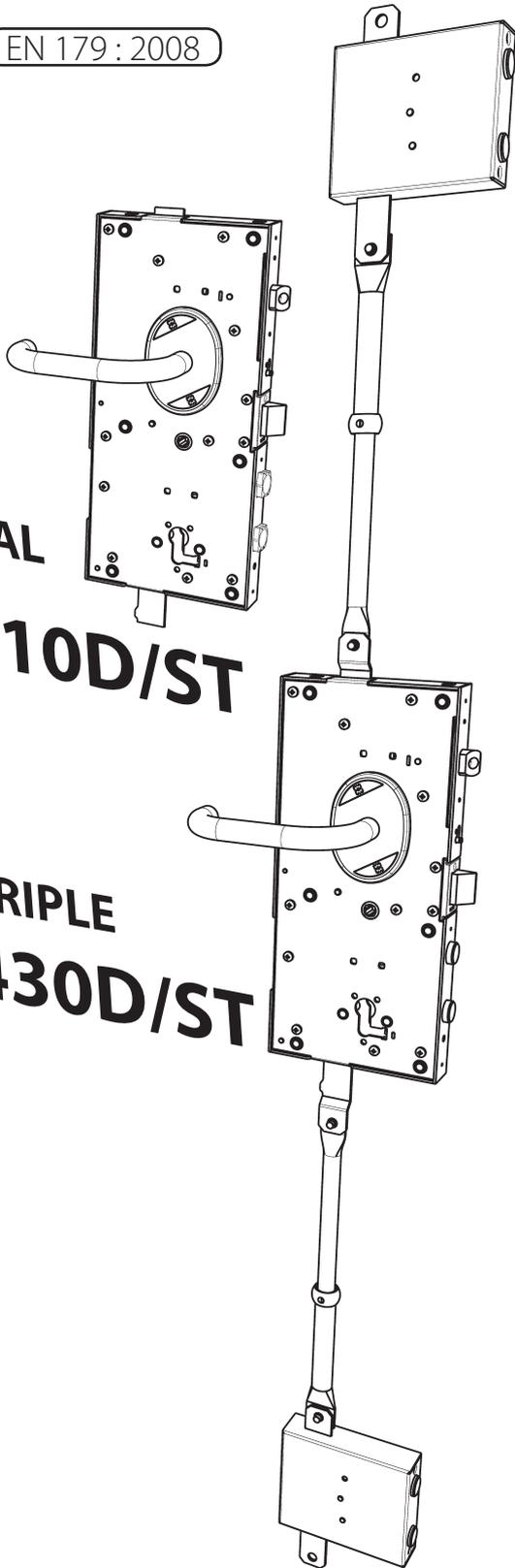
**GORILLA<sup>®</sup>  
AUTOMATIC**



EN 179 : 2008

LATERAL

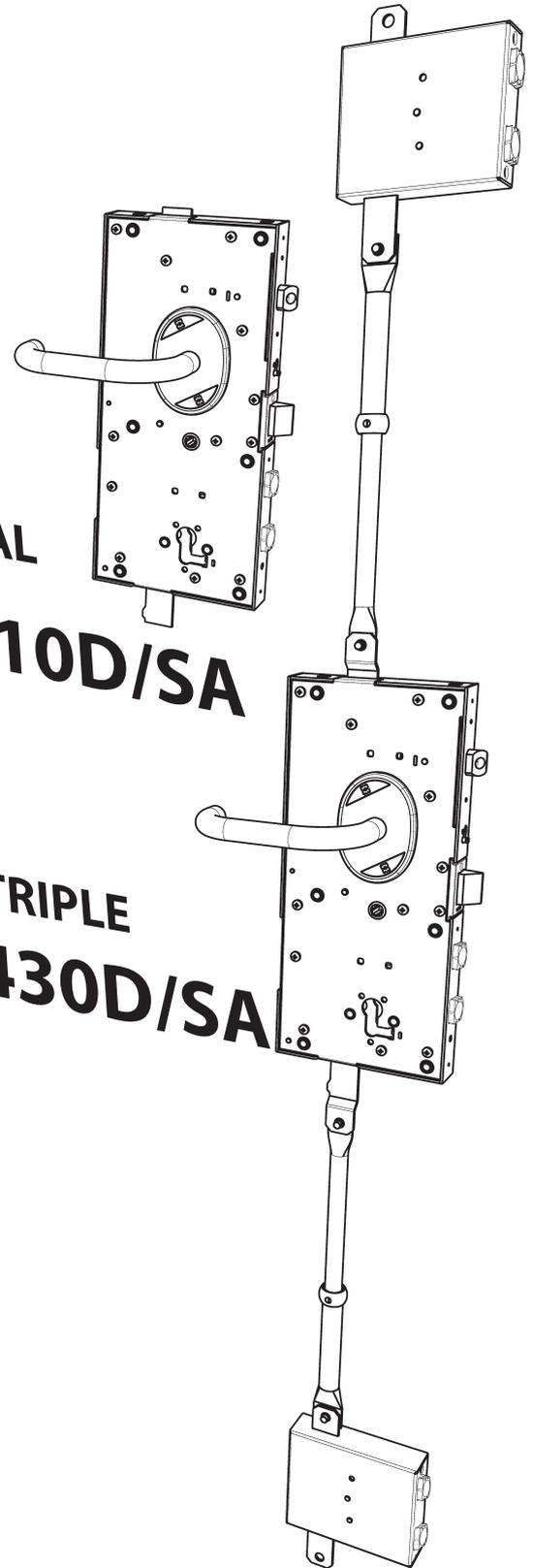
**86.410D/ST**



TRIPLE  
**86.430D/ST**

LATERAL

**86.410D/SA**



TRIPLE  
**86.430D/SA**

LATCH  
WITH Ø 18mm  
PROFILE



LATCH WITH  
MM PROFILE  
FILED



**W A R N I N G**

*The specifications of this product emphasise maximum importance for the safety of people (are essential to its compliance with EN 179). It is forbidden to introduce modifications to the product that are different from those described in these instructions.*

*The anti-panic device has been certified for use on single doors no larger than 2520 x 1320 mm (H x W) with weight up to 200 kg.*

*As required by regulations, we recommend the owner or his authorised representative to carry out the following checks relative to ordinary maintenance at least once a month:*

- inspect and action the emergency exit device to verify that all components are in a satisfactory operational condition;*
- check that the holes in the iron receiver are not blocked.*
- check that no locks or other blocking devices have been added to the door in addition to the initial device*
- check that the provisions relative to installation and maintenance as laid down by the Ministerial Decree of 03-11-2004 are respected.*
- verify, using a dynamometer, the operating forces required to open the exit device. Verify that operating forces have not changed significantly from those recorded at the time of installation.*

*The lock operating device should be lubricated, using Mottura lubricant (for locks), once a year or whenever a stiffening of the mechanisms is detected. Do not use oil or other lubricants: the use of such substances promotes the deposit of dust and fragments that may affect the correct operation of the lock.*

## General instruction

Mottura Serrature di Sicurezza S.p.A., thanks you for your confidence in choosing this product and recommends:

- to read the instructions carefully before proceeding with the installation;
- to hand over all the instructions to the user by the installer;
- to keep the instructions for future reference and attach the receipt to validate the warranty;
- to contact the dealer only if a problem occurs.

The characteristics of the products described in these instructions may be subject to change by Mottura Serrature di Sicurezza S.p.A. at any time without prior notice.

## Warranty terms

This product tested by Mottura Serrature di Sicurezza S.p.A. is guaranteed against all manufacturing defects for the duration of the period stipulated by applicable Italian legislation from the date of purchase demonstrated in a fiscal receipt.

Guarantee claims may only be accepted upon presentation of the fiscal sales receipt, containing the details identifying the product, to technical support personnel. The guarantee covers the replacement or repair of parts found to have manufacturing defects. The guarantee does not cover transport costs to and from the technical support centre, which remain at the sole expense of the customer. In the event of a recurring fault of the same cause, or of an unrepairable fault, Mottura Serrature di Sicurezza S.p.A., at its sole discretion, may decide to replace the entire product. The guarantee will continue to cover the replacement product until the expiry of the original contract.

If a home call-out should be necessary, the customer is required to pay - if asked to- a call-out fee for the travel expenses of the authorized service personnel. The customer is solely responsible for any transport damage in the event of direct shipment, or the sole responsibility of the authorised technician where the product is collected and transported by the technician.

## Limited responsibility

Not covered under warranty are damages resulting from the improper installation not in accordance with the instructions attached to the product, negligence, carelessness or inappropriate operation, maintenance by unauthorized personnel, transport without due care and attention and in any case by circumstances that cannot result from manufacturing defects.

Mottura serrature di sicurezza S.p.A. declines any liability for possible damages caused to persons or property resulting from the failure to observe the indicated precautions for use.



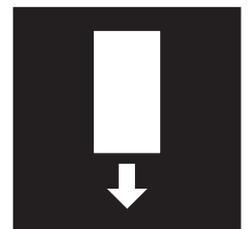
**Each and every part (in particular, lock, switchlock, bars) of GORILLA locks is certified by ICIM according to reference standards. Any modification of the product as a whole, or the installation in disregard of the instruction manual will automatically void the certification. In this case the installer is responsible for conformity with the reference standards.**

## General notes

In order to ensure the smooth operation of the lock and the anti-panic device, check the condition of the door (flatness, sturdiness and rigidity). The door and frame must be built of sufficiently rigid material, such as welded steel or aluminum profiles, to ensure that any distortion during use does not exceed 5 mm at any position of the lock attachment points. Also check that the device and the door open and close without any obstruction. If the panic exit device is to be installed on a glass door, the glass MUST be tempered and laminated. Panic exit devices are not intended to be used on doors that open in both directions (entrance and exit) unless specifically designed by the manufacturer.

Should a door closer be necessary to return the door in the closed position, ensure that the use of the door is not difficult for children, the elderly and the infirm.

Before assembling a panic exit device on a smoke/fire door, check the fire resistance certification for the door on which the exit device was fitted during tests to ensure it is suitable for use on the fire door. It is extremely important NOT to use an exit device on a fire door whose fire resistance time exceeds the time for which the device was approved. A sign that reads "Push bar to open" or a pictogram (see photo), must be placed on the inside surface of the door just above the horizontal bar or on the bar if it has a sufficient flat surface for the size of the characters. The area of the pictogram must not be less than 8000 mm<sup>2</sup> and its colour must be white on a green background. The pictogram must be directed so that the arrow points towards the operating element when installed (EN 7546 - Legislative Decree 493 of 14/08/1996).



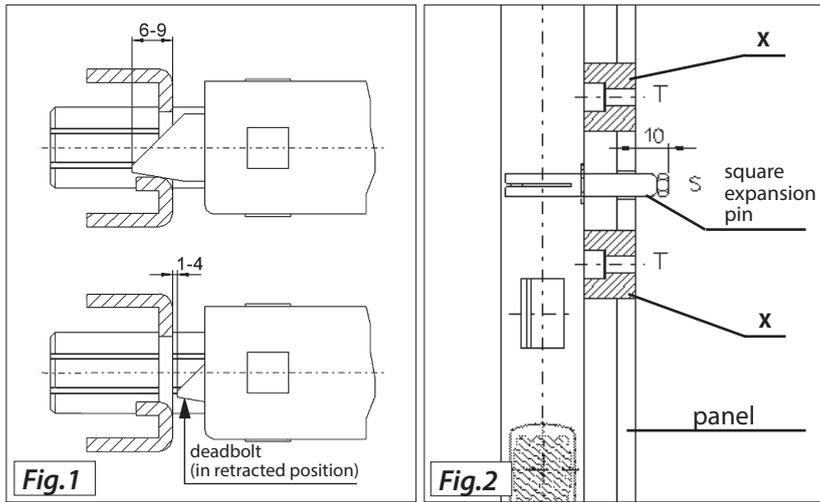
**Installation instructions**

Fasten the lock to the frame (door fastening plane) using the bushings (ref. B Fig. 3,4) present on the same by means of M6 screws (not included) or, where there is lateral attachment, use the M6 housing nuts (ref. A Fig. 3,4). When calculating lock fixing position, remember that the anti-panic device (emergency handle) is located from 900 to 1100 mm above finished floor level with the door closed (if you know that most of the people using the rooms are children, consider lowering the handle).

**N.B. Use all of the fixing points A (side connections) or B (bushings) when mounting the lock.**

For the lock to work correctly, after mounting there must be maximum clearance of 4 mm between the deadbolt (in retracted position) and the door jamb (or striker plate) (Fig. 1). Drill the inside door panel (ref. T, S, Fig. 3, 4 according to version) using the drilling template (Fig. 5).

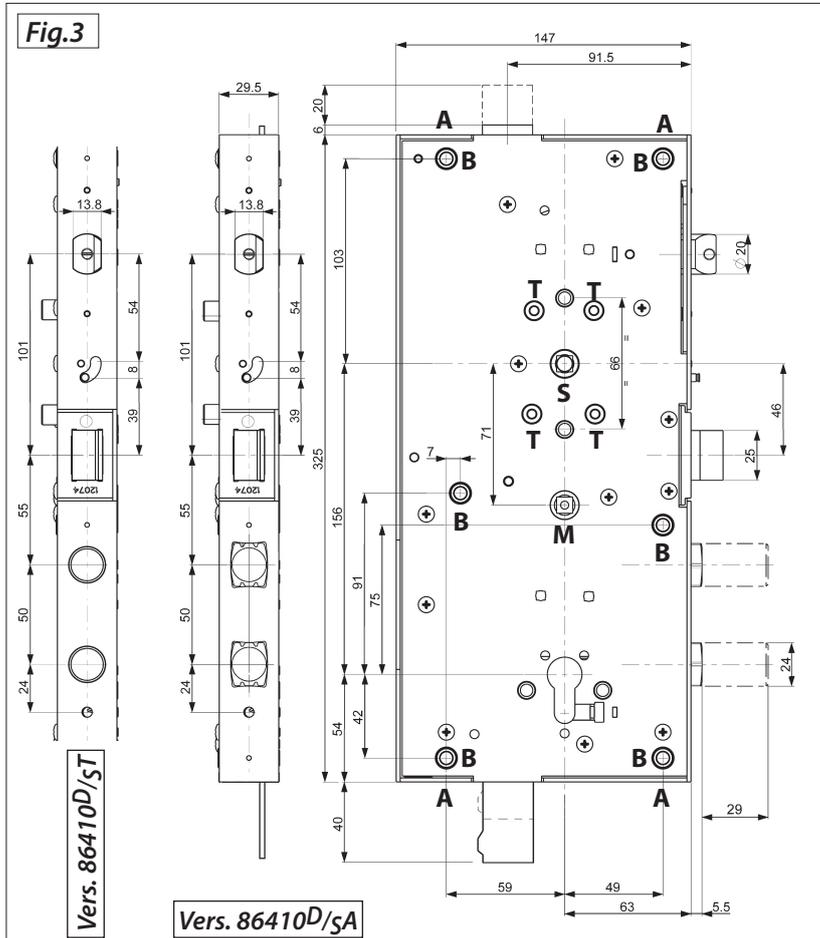
Only if the door/panel is insufficiently rigid, position the spacer bushings (optional, ref. X Fig. 2) on the pins (ref. T Fig. 3, 4) and the square expansion pin (supplied) in its seat (ref. S Fig. 3, 4), then cut these parts to measure, bringing the bushings flush with the panel and the square pin protruding 10 mm from the panel (Fig. 2).



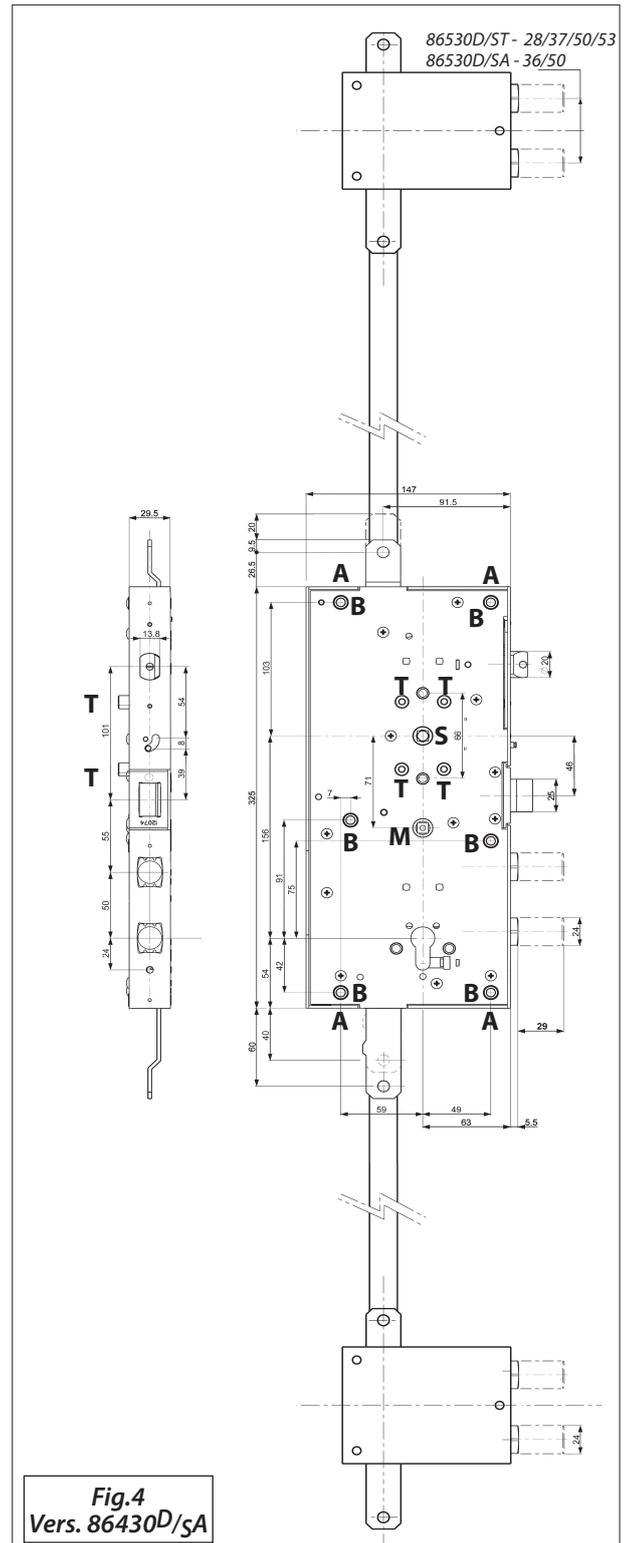
**Fig.1**

**Fig.2**

**A = LATERAL ATTACHMENTS - B = BUSHINGS**  
**M = OUTSIDE HANDLE - T = HANDLE SUPPORT ATTACHMENTS**  
**S = INSIDE HANDLE**



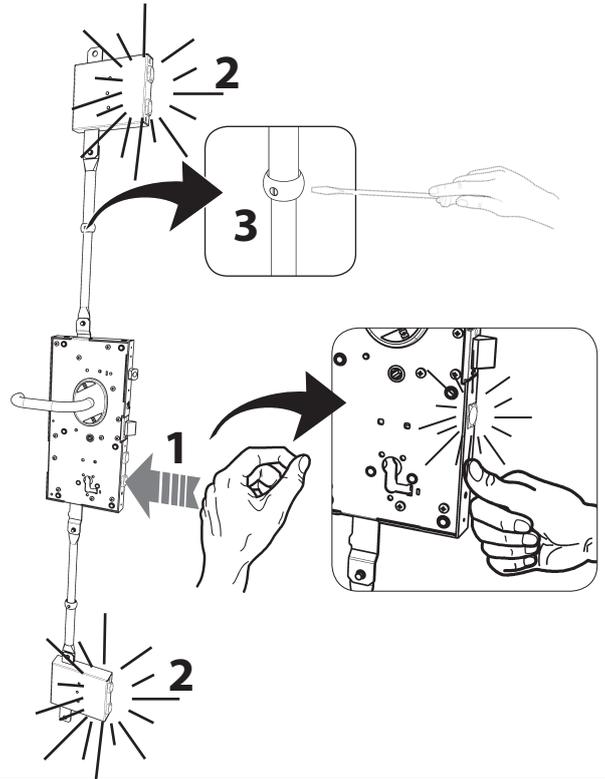
**Fig.3**



**Fig.4**  
**Vers. 86430D/SA**

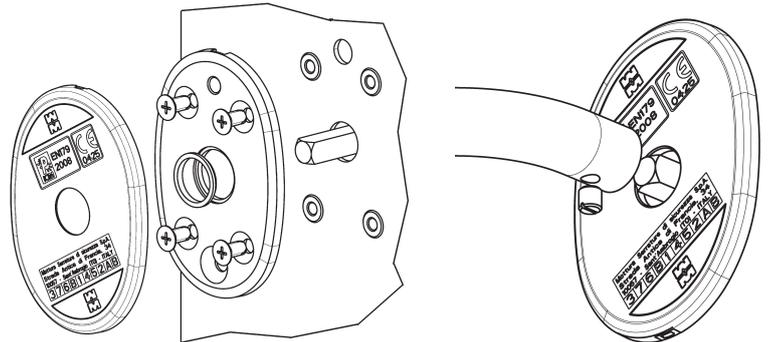
### Setting bars in triple version

- To fix the bars in the triple version, press (overcoming the force of the spring) the latchbolt fully in until it is flush with the panel. Check that the switchlock bolts have retracted completely, then tighten the rod locking screws.
- Release the latchbolt, which will return to its normal position (extending about 5.5 mm from the panel line), then check lock operation.

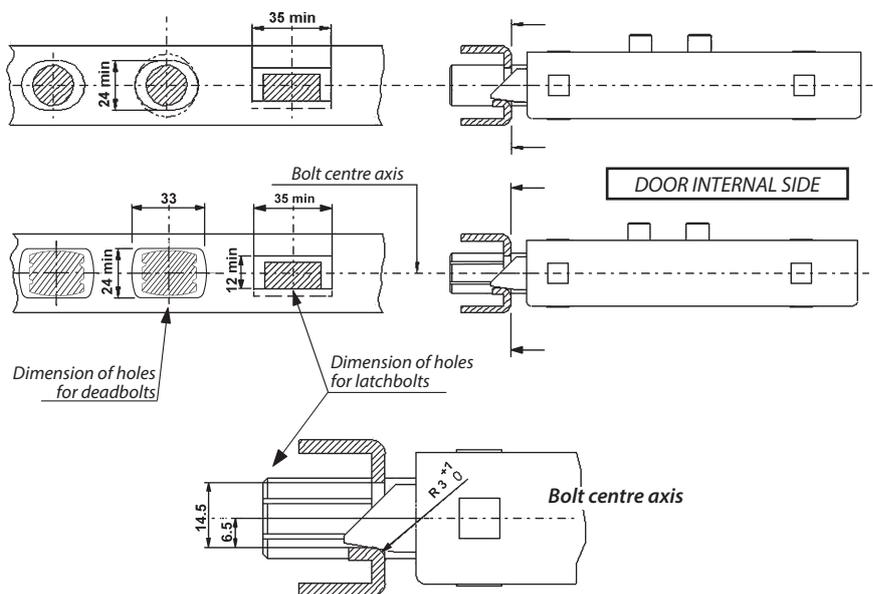


- Using the 4 M5x10 screws (supplied), fix the escutcheon strengthener support to the inside panel by means of the T pins (Fig. 3, 4), insert the plastic washer and the escutcheon cover, then fix the handle with the grub screw.

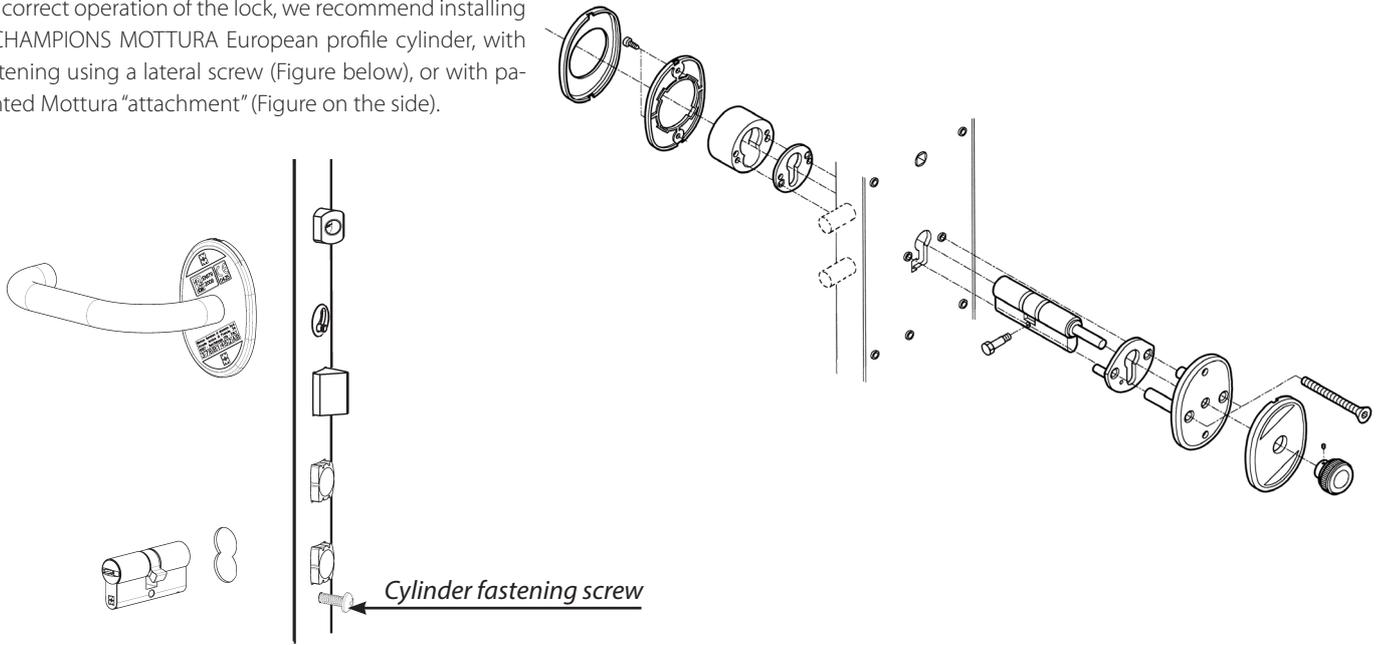
**N.B.** The supplied screws can be used on a panel with 12 mm max. thickness. For thicker panels, use M5 screws of appropriate length.



- The hole on the striker plate for entrance of the latchbolts and deadbolt must have the dimensions shown in the following figure (see Fig. 3, 4 for distances between centers of latchbolts).

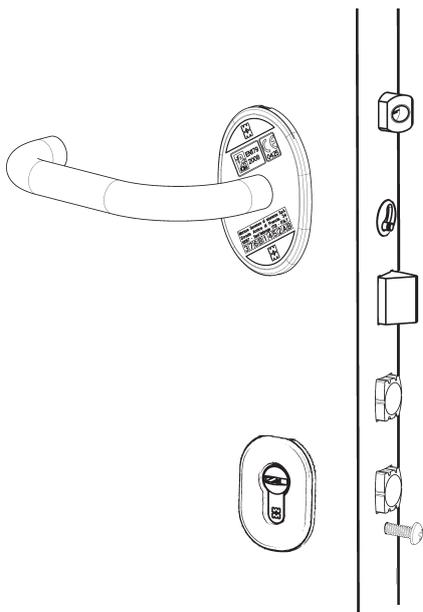


- For correct operation of the lock, we recommend installing a CHAMPIONS MOTTURA European profile cylinder, with fastening using a lateral screw (Figure below), or with patented Mottura "attachment" (Figure on the side).

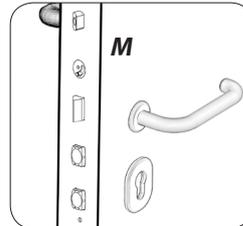


**N.B. In versions with a half cylinder, one for 30 mm thick locks must be used (C28B...- C30B...- C43B...- C48B...)**

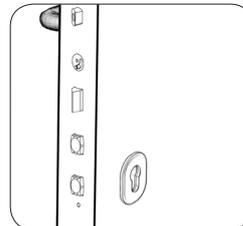
- The last operation involves assembly of internal and external escutcheons (if provided) as in the following diagram :



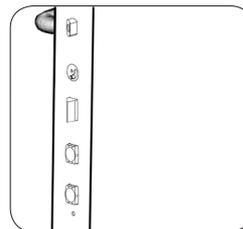
**INTERNAL SIDE**



**Double cylinder version  
+ handle  
(hole M - template fig.5)**



**Double cylinder version**



**Half cylinder version**

**EXTERNAL SIDE**

**N.B. The pack contains the inside handle, its escutcheon, and the product certification. The cylinder, its accessories, and the external handle are NOT included.**

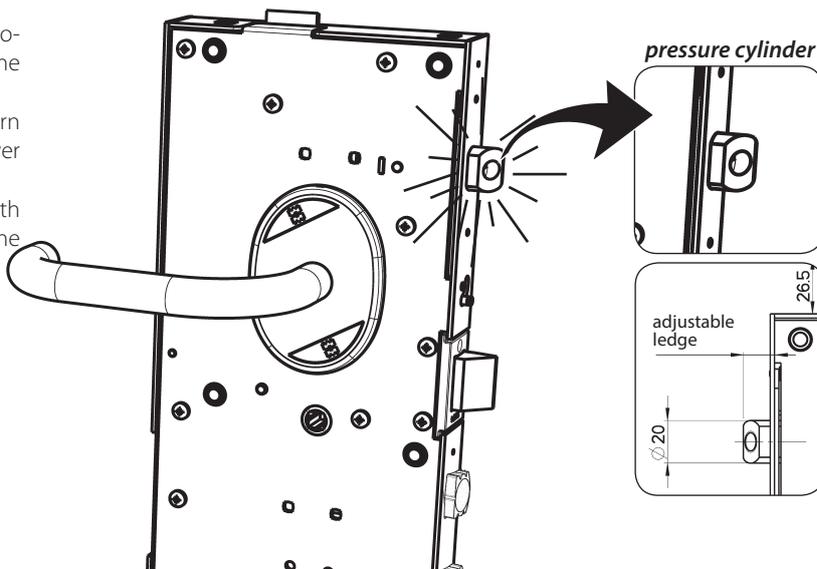
When installation is complete, check good operation of the panic exit device as follows: with the door closed (cylinders turned), push the handle completely in and check that the door opens with a light push and without any impediment (see standard EN 179 for load values and tests).

- The lock closes automatically.

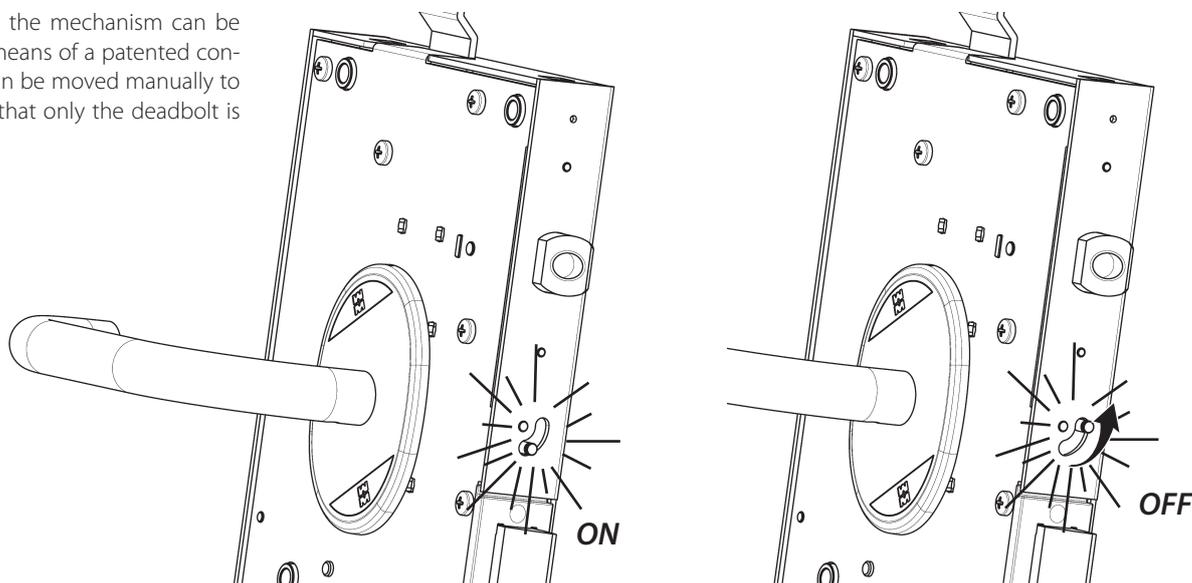
When the door is closed, the pressure cylinder automatically closes the latchbolts, which close all of the turns.

To set the protrusion of the pressure cylinder, turn the screw on the cylinder with a flat-head screwdriver (turn clockwise to increase protrusion).

Remember that the lock CANNOT be closed with the cylinder, which can open the lock ONLY from the external side.

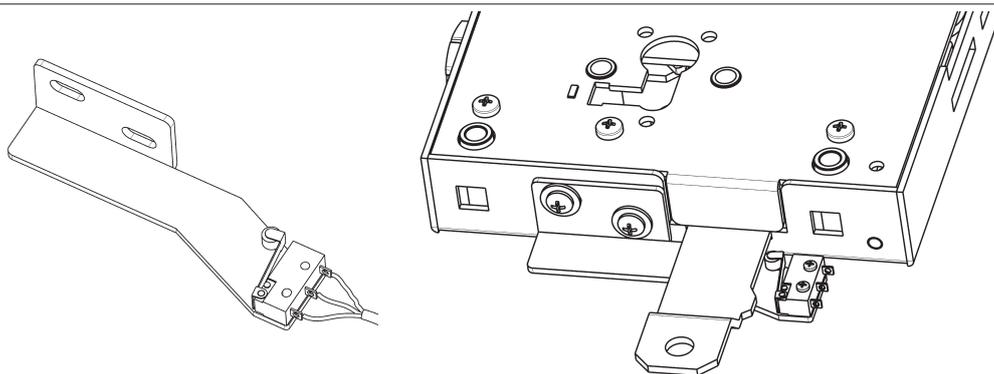


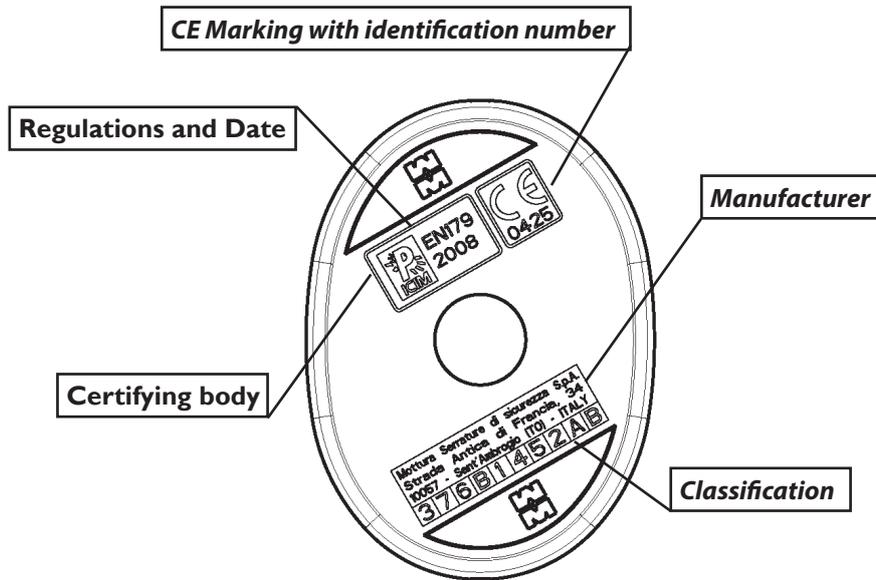
- When necessary, the mechanism can be disengaged by means of a patented control, a pin that can be moved manually to OFF position so that only the deadbolt is engaged.



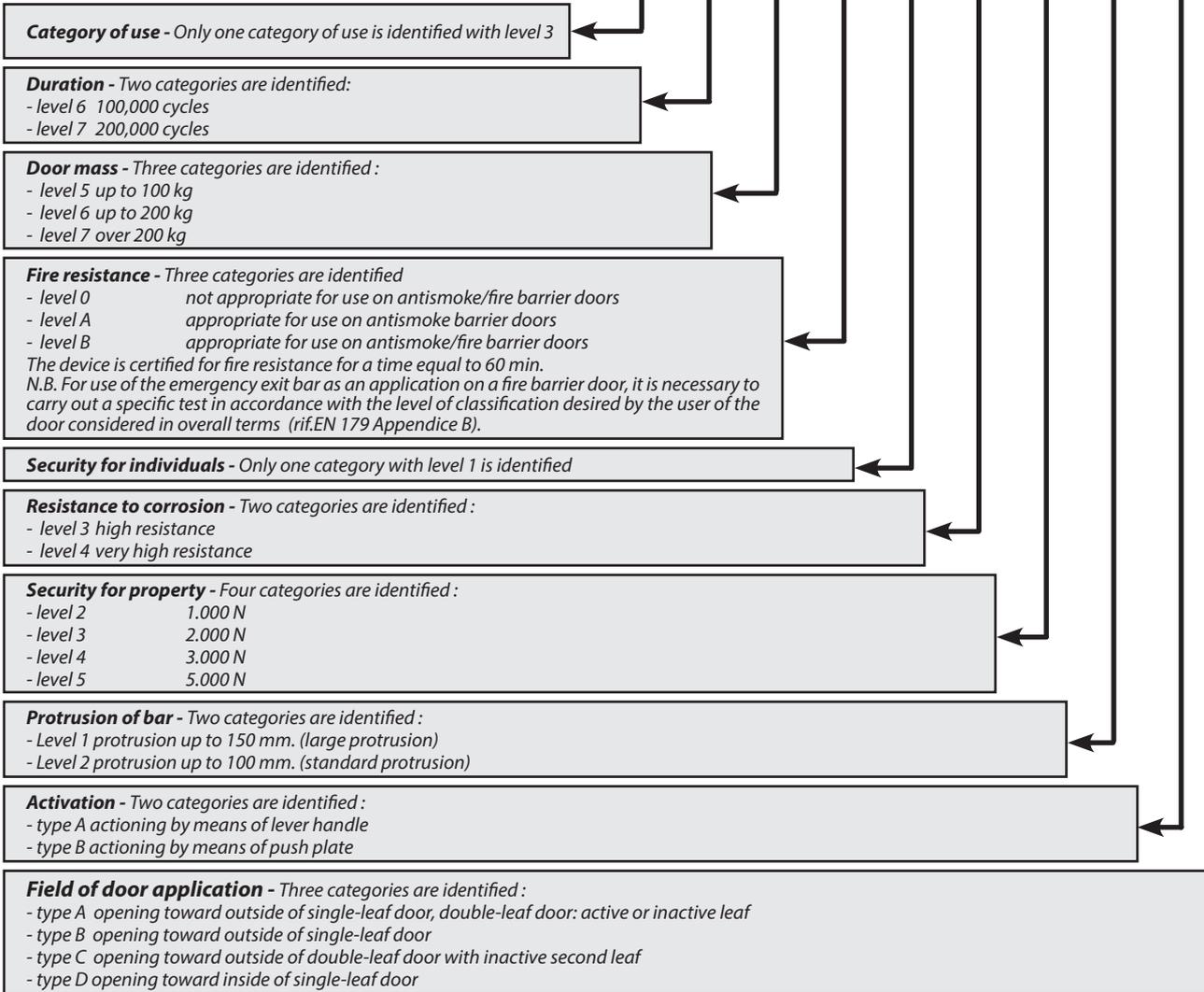
**OPTIONAL ACCESSORIES**

**99.641D/S**  
Microswitch kit  
SIGNALS CLOSING  
OF DOOR installable  
on lock.





3 7 6 B 1 4 5 2 A B



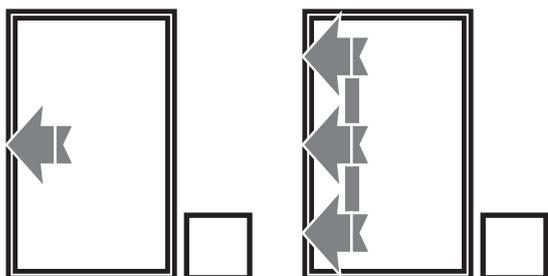




**INSTALLATION SHEET**

CLIENT			
ADDRESS	CITY	DISTRICT	POST CODE
HEAD OFFICES		No. DOORS	

**DOOR CONFIGURATION**



**INSTALLED DEVICES**

No.	DEVICE CODE	DATE	OPERATING FORCE (N)	OUTCOME (max 80N)		NOTES	SIGNATURE
				POS	NEG		

**INSTALLER DATA**

COMPANY NAME			STAMP AND SIGNATURE	
ADDRESS				
POST CODE	CITY	DISTRICT		
TEL.	EMAIL			

