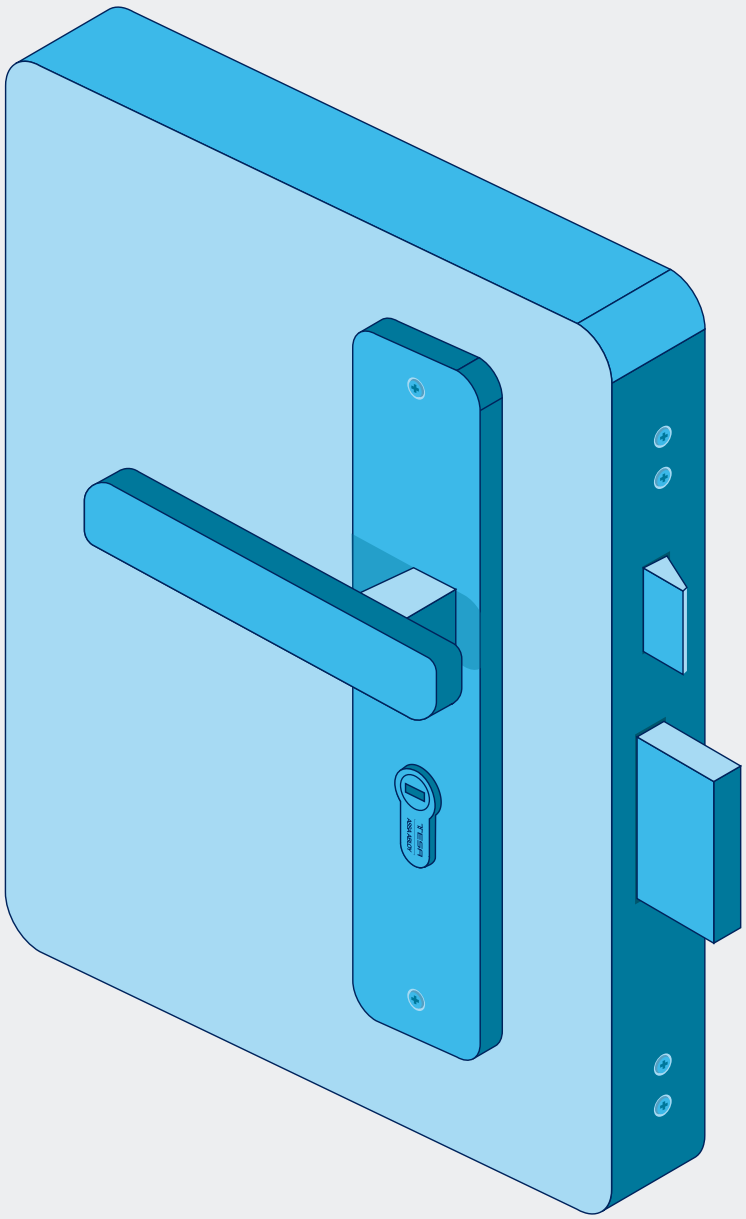
Security cylinder maintenance and installation sheet

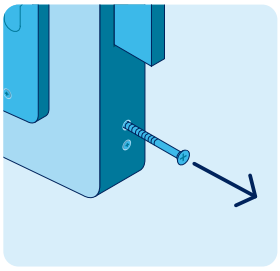


Version 01. 2025/12

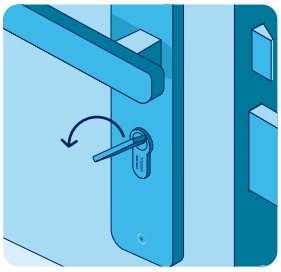
1.-
Cylinder assembly/replacement

Detailed steps (following the order of the photos):

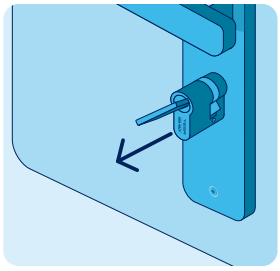
1.- Open the door and locate the cylinder fixing screw on the edge of the door. Loosen and remove this screw manually.



2.- Insert the key into the cylinder and turn it to the position where it releases the lock cylinder (approx. 25º depending on the eccentric wheel). Hold the key in this position.



3.- With the key in this position, remove the cylinder by pulling it outwards. If it does not come out easily, check that the screw is completely out and that the key is in the right position.

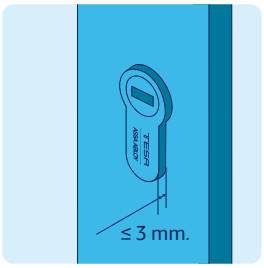


4.- To install the new lock cylinder, insert the key into the new cylinder, turn it to the same position and push the cylinder in as far as it will go. Replace and tighten the fixing screw manually.

5.- Adjusting the cylinder in relation to the door.

- N.B: the cylinder must not stick out more than 3 mm from the escutcheon or the outer side of the door. If the cylinder sticks out too much, it will be easier to tamper with, by levering on it on pulling it out.

- Checks: after assembling it, check the distance between the outer face of the escutcheon/door and the outer side of the cylinder, which must be ≤ 3 mm.



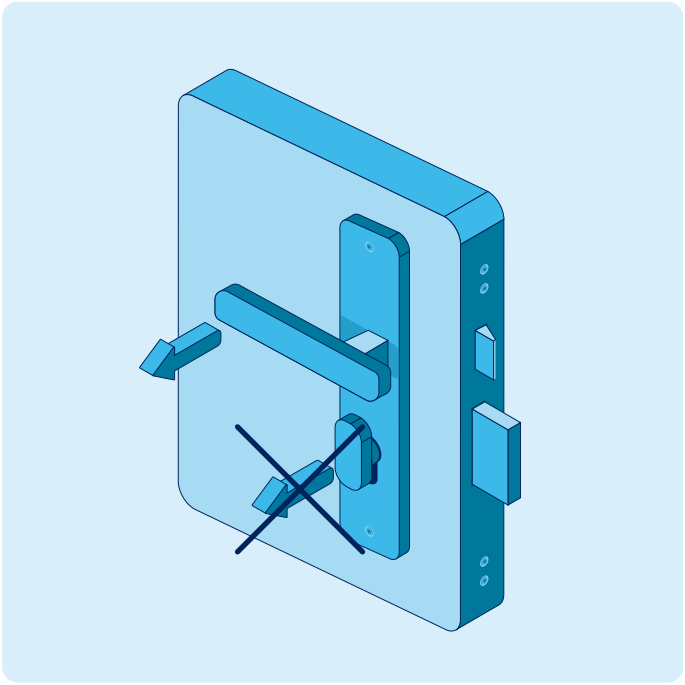
- If the door is thicker and the cylinder is too short, or too long and sticks out, ask for a cylinder of appropriate length.

Technical note: *if the cylinder has an internal knob, make sure that it is in the right position, or else the cylinder will not move properly. in some cases you might need to turn it slightly.*

The fixing screw supplied is suitable for locks with a backset of up to 50 mm. For locks with a longer backset, the length of the fixing screw must be = backset + 10 mm.

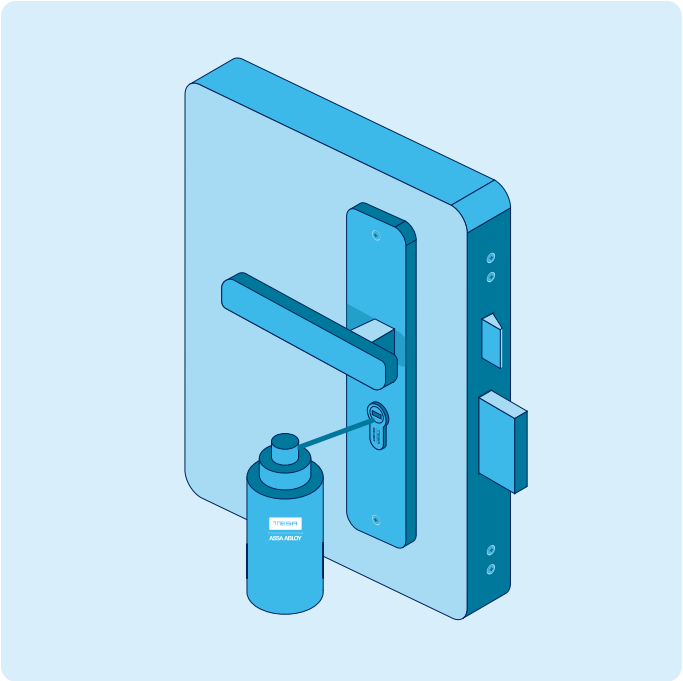
2.- Using the internal thumbturn properly

- In cylinders with an internal thumbturn: never use the thumbturn as a handle to force the cylinder out or as a lever to open the door.
- How to use it: insert the key and turn it; the thumbturn is only used to move to the lock/unlock position on the inside, and cannot be pulled out.
- Pulling the thumbturn could damage the internal shaft and eccentric wheel, breaking or causing them to malfunction so that the lock cylinder has to be replaced.



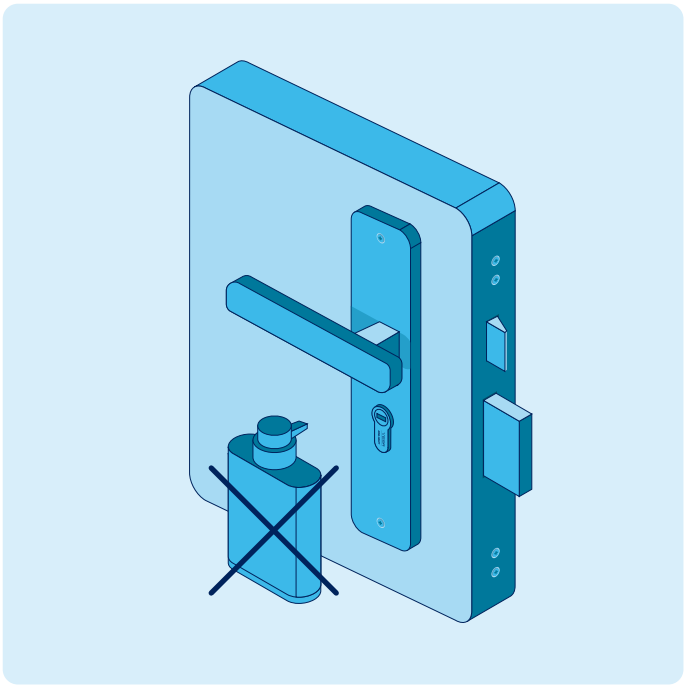
3.- Lubricating the cylinder

- Use only lubricant specifically recommended by TESA for cylinders (Tesa Spray).
- Applying it: insert the spray nozzle into the cylinder opening and give it a quick, light spray, but avoid using too much. Turn the key several times to spread the lubricant through all the internal parts.
- Frequency: every 6 months for normal domestic use. Every 3 months in more highly-corrosive environments (coastal areas, industrial atmospheres, swimming pools).
- Do not use mineral oils or graphite, which attract dust and can harden, reducing the cylinder's service life.



4.- Cleaning the cylinder safely

- Avoid using detergents, glass cleaners, multi-purpose sprays or solvent-based products on the cylinder.
- If you need to clean the outer cover, do so with a dry cloth or one slightly dampened with water — never spray liquids directly onto the cylinder.
- Any liquids that get in could cause corrosion, make internal parts (pins, springs, anti-drill bars) malfunction, and void warranties due to misuse.



5.- Getting duplicate keys. Patented cylinders

- Copies of patented cylinder keys can only be made with the Security Card/Warranty Card. Without this card, you will not be able to get copies of the key made, for security reasons.
- Keep the card in a safe place and show it at an authorised establishment when requesting additional copies.
- If you need additional orders (keys or cylinders with the same key code), always indicate the cylinder reference and show the security card.

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Talleres de Escoriaza, S.A.U.
Barrio Ventas, 35
20305 Irun - Spain

Tel.: +34 943 669 100

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