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TECHNICAL REPORT

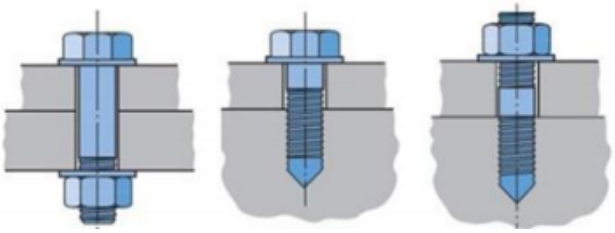
New thread locker Ajulock 75000500

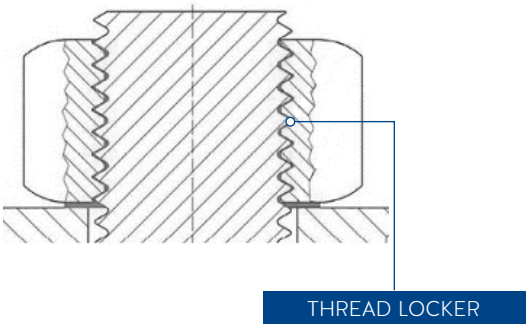
DESCRIPTION

Ajulock is a **half resistance anaerobic product** appropriated to metal parts screwing as nuts, screws, bolts... protecting them against loosening, hits and vibrations.

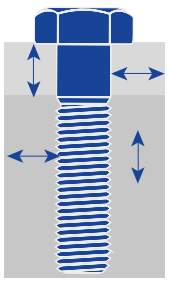
WORKING

Screwed assembly: the thread locker fills in the hole between screwed assemblies and avoids they loosen, keeping the tightening strength.

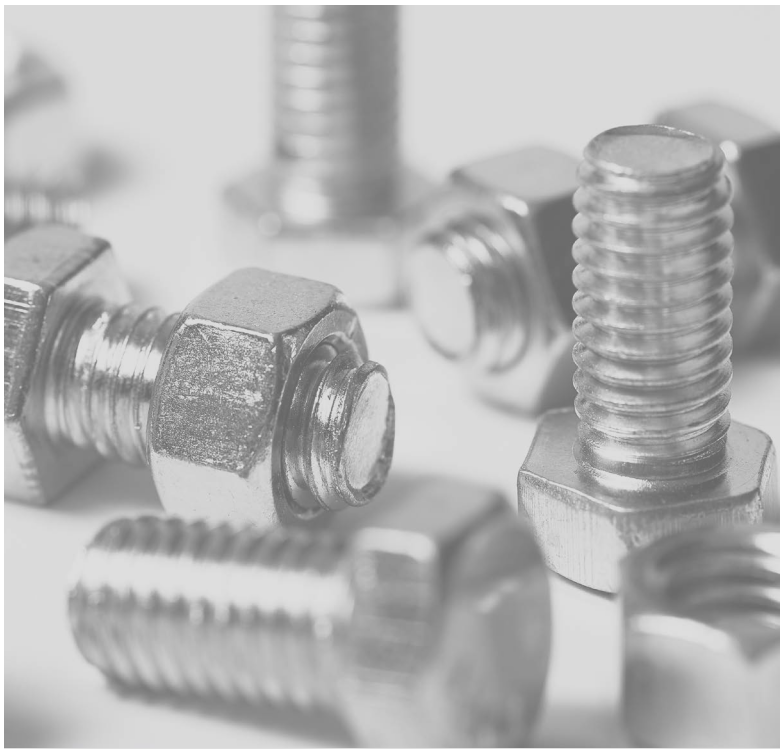




It protects against vibration: An internal combustion engine is an important source of vibrations due to explosions are produced inside cylinders. For this reason, the application of Ajulock, with high resistance against vibrations, avoid the loosening (or untightening).



Protects against corrosion: in the presence of water or humidity, it prevents the joint from corroding. It also prevents galvanic corrosion in the joints of different metallic materials.



It protects against weld by friction: when a vibration is produced repeatedly in the joint area, contact surfaces increase their temperatures being possible micro-welds are produced.

Application of Ajulock avoids these vibrations and contacts, so, it avoids the weld. This way makes easier the disassembly of screwed parts.

It s**eals screwed joints** against liquid leaks.

MAIN CHARACTERISTICS

01

Product cures spontaneous and quickly in absence of air between nearby metal surfaces with a **maximum filling of 0,25 mm.**

02

Ajulock is a **thixotropic product** which shows a steady appearance in rest and becomes fluid when it is shaken. It can be used in applications on contact with oil, grease, water, air, hydrocarbons, antifreeze, and many others chemical products.

03 It allows a large range of work temperature between **-50ºC to 180ºC.**

04 Completed curing time is gotten after **24 hours** and functional curing for low load after 6 hours. Breaking strength 18-25 Nm. Residual engine torque 8-15 Nm.

APPLICATIONS

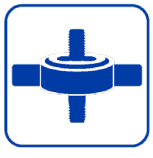
Ajulock is suitable to **seal bolts, blind holes of bolts, nuts**, and **all type of bolt's joins** that we can find in the engine and outlying components as:

- Bolts of tensor or distribution system roller.
- Bolts of crankshaft pulley
- Bolts of camshaft pulley.
- Bolts of injection pump, steering wheel, alternator, coolant, etc.
- Bolts of inertia flywheel.
- Bolts of gearbox.
- Other bolts which thread surface is in contact with coolant circuit.

ASSEMBLY

1. In case of bolt needs TTY (torque to yield fastener), this one **must be replaced**. If not, it is recommended to check that bolt is in perfect conditions to be reused.

2. In case of bolts are reused, it is recommended to **clean and degrease the thread surface** leaving it free of grease, oil and rests of ancient locker.
A diestock with the same metric and pitch and a metal brush can be used.



3. Regarding bolt housing, to clean the thread surface using a tap tool with the same metric and pitch as bolt. To extract the dirt, blowing or vacuuming inside bolt housings.

4. To apply Ajulock **over the thread surface of bolt** in his end, being cautioned to not apply an excess.

5. To join the components and to put the bolt before **15-25 minutes** after product application.

6. To carry out the **tightening process immediately**, following the specifications described in the manual.

7. Full curing is gotten after 24 hours. This time can change depending on material to seal, width between planes and ambient temperature. (times for a range of temperature between +20ºC to +25ºc. To lower temperatures, from +5ºc to 20ºc, cured time is increased. Higher temperatures reduce polymerization time.

To other materials as **brass or copper**, please contact the **technical service** (customerservice@ajusa.es).

COMMENTS

1. It is important **wearing groves**.

2. **Contact of the inside of the product** with metal parts **must be avoided** since product begins to polymerizate in contact with metal ions.

3. Sealant is soluble in liquid form with the most of solvents (oils, coolants, etc.). **Product must be fully cured before the launch** of the engine. A higher quantity of material will imply a longer cure time.

4. To the good preservation of the product, **it must contain air inside**. This is the reason why product is no full in top form.

5. Parts to seal must no be separated after tightening process.

6. Preservation: **storage 2 years** between +5ºc and +28ºc of temperature.

Do you have any doubt? Contact our **training and technical assistance department** and we will help you.

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DO YOU WANT TO KNOW MORE?

Check the technical and safety data sheets in ajusa.es or Ajusa Mobile app.