

# THE ANTI-LOOSENING DEVICE



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WITH REVERSE THREAD PITCH



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**External threading** on the screw, the braking element is a left-handed pitch thread nut.

### PRINCIPLE

The device is based on the addition of a thread or tapped element with a left-hand thread. This element will rely on the nut allowing it to ensure the main function of tightening. The two parts are connected together by contact and friction, the rotation becomes impossible because of the inversion of the two pitches.

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### ADVANTAGES

- No modification of the tightening characteristics
- Possibility to tighten, untighten or even reset the main nut without reducing the performance
- The function “anti-unscrewing” is kept even in the case of loss of tightening unlike the washer or device against unscrewing inserted between the nut and the tightened part.
- Same efficiency no matter what the hardness of the material is / with any hardness of material
- The bearing surface of the tightened part is not degraded / deteriorated
- Better performance facing transverse stress
- Easy to implement
- Possibility to add the device to existing mechanical assemblies without dismantling
- Multi materials system
- The protection of the extremity of the screw facilitates the maintenance operations



**Internal thread** in the screw with a braking element as a screw with a left-hand pitch thread.



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