

WEICONLOCK® AN 302-50 Locking of Threads and Stud Bolts



medium viscosity
high strength
hard to disassemble

Locking of threads and stud bolts



Technical Data

Colour	transparent
For threaded joints up to	M 20 R ¾"
Viscosity at 25°C (+77°F) according to Brookfield	500 nt mPa·s
Max. Gap Bridging	0,15 mm
Breakaway strength (Thread)	30 - 35 Nm
Prevailing strength	55 - 70 Nm
Shear strength Nmm ² (DIN 54452)	25 - 35 N/mm ²
Handling strength at room temperature	2 - 5 min.
Final strength (100%) after	2 - 4 h
Temperature resistance	-60 to +175 °C

*Strength values based on M 10 screws, 8.8 grade, thickness of nut 0,8.d Static shear strength based on cylindrical parts of abt. Ø 13 mm, tolerance (D-d) = 0,05 mm, l/d = 0,88

Surface pre-treatment

In general, WEICONLOCK does not require special pre-treatment as slightly oily surfaces (e.g. on as received parts) will be tolerated. However, best results will be achieved on cleaned, degreased parts (use WEICON Surface Cleaner). If required, the parts should be slightly roughened.

Note

The specifications and recommendations given in this technical data sheet must not be seen as guaranteed product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility, this information is provided without any obligation. We do guarantee the continuously high quality of our products. However, own adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

Processing

WEICONLOCK is ready for use and should be applied evenly direct from the bottle/tube with the dispensing tip (avoid direct contact of dispensing tip with metal). For sealing applications, apply WEICONLOCK in circular motions on the thread. Assemble and tighten parts. Do not pour back into the bottle any WEICONLOCK fluid which had contact with metal; even smallest metal particles will cause the content of the bottle to cure. In series construction, the use of manual or automatic applicators is recommended.

Storage

WEICONLOCK can be stored in the unopened original container for at least 24 months at room temperature. Keep away from heat sources and direct sunlight. The air in the bottle/tube keeps WEICONLOCK liquid.

Safety and health

When using WEICON products, the physical, safety technical, toxicological and ecological data and regulations in our EC safety data sheets (www.weicon.com) must be observed.

Available sizes:

30250020	WEICONLOCK® AN 302-50 Locking of Threads and Stud Bolts 20 ml
30250150	WEICONLOCK® AN 302-50 Locking of Threads and Stud Bolts 50 ml
30250200	WEICONLOCK® AN 302-50 Locking of Threads and Stud Bolts 200 ml

Accessories:

30955172	Dosing Tips, Size 1
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