

# Lock AN 301-43

Screw locking, medium strength and DVGW certified

Art. No. 114545

Type No. 3014/50



Exemplary illustration

Adhesive for sensitive production areas

- Very good strength
- Good chemical resistance after curing
- High level of safety and health at work
- No irritation to eyes, nose or throat
- No marking with hazard symbols in accordance with EC Regulation No. 1907/2006 - ISO 11014-1
- Warning: Harmful to aquatic life with long lasting effects. Avoid release to the environment

## Technical data

Applications	screw locking
Strength	medium strength
Viscosity	higher viscosity
DVGW approval	DIN EN 751-1:1997-05
Hazard statements	H412 - Harmful to aquatic life with long lasting effects.
Description	Container 50 ml
Colour	blue
Fluorescent	yes
For threaded connections up to	M 36
Viscosity	2000 - 8000 mt mPa·s
Gap bridging to max.	0.25 mm
Breakaway torque	18 - 22 Nm
Prevail torque	9 - 11 Nm
Shear strength Nmm <sup>2</sup> (DIN 54452)	10 - 13 N/mm <sup>2</sup>
Handling strength at room temperature	5 - 15 min
Final strength (100% strength)	1 - 3 hours
Thermally stable	-60 to 150 °C

disassembly with normal tools

## Commercial data

Customs tariff number	35061000
Country of origin	EU
eCl@ss 5.1.4	23330190
eCl@ss 9.0	23330111
UNSPSC_Code_v190501	31201627
UNSPSC_CodeDesc_v190501	Anaerobic adhesive

## Material informations

REACH SVHC1 substance name	no
CAS no. SVHC 1	no CAS No.
RoHS materials notice	RoHS compliant
REACH Info	no SVHC substance included

## Compressive strength (free cutting steel / grub screw = 8.8)

M 3x6	max.	1500 bar
M 4x6	max.	1500 bar
M 5x8	max.	1500 bar
M 6x10	max.	1500 bar
M 8x12	max.	1000 bar
M 10x16	max.	700 bar

## Product information

### Surface pre-treatment

To achieve optimum results, the mounting parts should be degreased and cleaned. Lock AN 301-43 can also be used on uncleaned surfaces, e.g. screws as delivered. However, the cleaner the surface, the better the results achieved.

### Processing

Lock AN 301-43 is applied evenly straight from the Pen with the help of the dosing tip; avoid direct contact between dosing tip / metal. For sealing applications, apply Lock AN 301-43 to the thread in circles. Assemble parts and screw tight. Do not pour any Lock AN 301-43 back into the bottle that has already come into contact with metal. Even extremely small metal particles cause the adhesive to cure inside the bottle. Therefore, in serial production, the use of dosing devices is recommended.

### Storage

Lock AN 301-43 has a shelf life of at least 24 months, when stored at room temperature in closed original container. Protect from heat sources and direct sunlight. The air contained in the Pen keeps Lock AN 301-43 liquid.

### Instructions for use

When using RIEGLER products, the physical, safetyrelated, toxicological and ecological data and regulations in our EC safety data sheets ([www.riegler.de](http://www.riegler.de)) must be observed.