

# Lock AN 305-77

Pipe and thread seal, medium strength, DVGW certified

Art. No. 114559

Type No. 3030/50



Exemplary illustration

Sealing type for pipes and fittings, suitable for all threads up to M80/R3".  
Difficult to separate.

## Technical data

Applications	sealing type for pipes and fittings
Strength	medium strength
Viscosity	high viscosity
DVGW approval	DIN EN 751-1:1997-05
Description	container 50 ml
Colour	yellow
Fluorescent	yes
For threaded connections up to	M 80 R 3
Viscosity	24000 - 70000 ht mPa·s
Gap bridging to max.	0.5 mm
Breakaway torque	18 - 22 Nm
Prevail torque	10 - 14 Nm
Shear strength Nmm <sup>2</sup> (DIN 54452)	6 - 13 N/mm <sup>2</sup>
Handling strength	15 - 30 min
Final strength (100% strength)	1 - 3 Hours
Thermally stable	-60 to 150 °C

## Commercial data

Customs tariff number	35069900
Country of origin	IT
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.	800 bar
M 8x12	max.	700 bar
M 10x16	max.	500 bar

## Product information

### Surface pre-treatment

To achieve optimum results, the mounting parts should be degreased and cleaned. Lock AN 305-77 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 305-77 is applied evenly straight from the Pen with the help of the dosing tip; avoid direct contact between dosing tip/ metal. Apply Lock AN 305-77 to the thread in circles. Screw the pipe thread together and tighten it to the desired alignment. When used as flange sealing, apply a continuous bead to one flange side, then assemble parts quickly and screw tight. Do not pour any Lock AN 305-77 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 305-77 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 305-77 liquid.

### Instructions for use

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