

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



## Locking of threads and stud bolts

- medium viscosity
- high strength
- hard to disassemble

### Technical Data

|  |                           |          |
|--|---------------------------|----------|
| Colour   | transparent               |          |
| Fluorescent  | yes                       |          |
| For thread connections up to                                 | M 20 R ¾"                 |          |
| Viscosity  | 500 nt mPa·s              |          |
| Gap bridging up to max.                                      | 0,15 mm                   |          |
| Breakaway torque   | 30 - 35 Nm                |          |
| Prevail torque   | 55 - 70 Nm                |          |
| Shear strength Nmm <sup>2</sup> (DIN 54452)                  | 25 - 35 N/mm <sup>2</sup> |          |
| Handling strength (35 % strength)                            | 2 - 5 min.                |          |
| Final strength (100 % strength)                              | 2 - 4 h                   |          |
| Temperature resistance                                       | -60°C to +175°C           |          |
| Compressive strength (free cutting steel / grub screw = 8.8) |                           |          |
| M_3x6  | max.                      | 1500 bar |
| M_4x6  | max.                      | 1500 bar |
| M_5x8  | max.                      | 1300 bar |
| M_6x10   | max.                      | 800 bar  |
| M_8x12   | max.                      | 600 bar  |
| M_10x16  | max.                      | 500 bar  |

### Approvals / Guidelines

|           |           |
|-----------|-----------|
| ISSA Code | 53.402.13 |
| IMPA Code | 450827    |

## Anaerobic Adhesives and Sealants

### Surface pre-treatment

To achieve optimum results, the mounting parts should be degreased and cleaned, e.g. with WEICON Surface (roughen the surfaces, if required). WEICONLOCK can also be used on uncleaned surfaces, e.g. screws as delivered. However, the cleaner the surface, the better the results achieved.

### Processing

WEICONLOCK 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 WEICONLOCK to the thread in circles. Assemble parts and screw tight. Do not pour any WEICONLOCK 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

WEICONLOCK 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 WEICONLOCK liquid.

### Instructions for use

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

### Accessories

|          |                            |
|----------|----------------------------|
| 10021433 | Activator F, 200 ml, green |
| 10001256 | Dosing Tip, 1 PCE          |

### Available sizes

|          |  |
|----------|--|
| 10019897 | WEICONLOCK® AN 302-50 Locking of Threads and Stud Bolts, 20 ml, transparent  |
| 10019929 | WEICONLOCK® AN 302-50 Locking of Threads and Stud Bolts, 50 ml, transparent  |
| 10019972 | WEICONLOCK® AN 302-50 Locking of Threads and Stud Bolts, 200 ml, transparent |

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#### 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.

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