

# TECHNICAL DATA SHEET

## High-strength screw retainer

**Art. no. 0893 270 025**

P. Qty.: 1

### Tough removable screw retainer and sealing compound – single-handed dispensing system

Chemical basis	Dimethacrylic acid ester
Colour	Green fluorescent
Density/conditions	1.11 g/cm <sup>3</sup> / in accordance with DIN EN ISO 2811-1
Min./max. viscosity/conditions	500-900 mPas/at 25 °C, Brookfield RVT, spindle 2/20 rpm
Suitable for max. thread	M25
Max. gap-filling ability	0.15 mm
Min./max. initial strength	5-15 min
Min./max. functional strength	1-3 h
Min./max. final strength	3 h-6 h
Min./max. compressive shearing strength/conditions	15-30 N/mm <sup>2</sup> /in accordance with ISO 10123
Min./max. breakaway torque	30-60 Nm
Breakaway torque conditions	DIN EN 15865
Min./max prevail torque	10-30 Nm
Conditions for prevail torque	DIN EN 15865
Min./max. processing temperature	5 to 35 °C
Min./max. temperature resistance	-55 to 150 °C
Min. flashing point	100 °C
Shelf life from production/conditions	18 Month/at room temperature
Weight of content	25 g
Silicone-free	Yes
Solvent-free	Yes
Fully hardening/curing conditions	Exclusion of oxygen and contact with metal (copper or iron ions)



## Application area

For securing, fastening and sealing threaded connections such as bolts, stud bolts, nuts, threaded plugs, thread inserts, ball bearings and roller bearings, which do not normally have to be detached. The high-strength threadlocker is for use in the auto-

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motive and commercial vehicle industry, in metalworking and tool manufacturing, shipbuilding, mechanical engineering and engine construction, and electrical and electronics construction.

## Application information

The surface must be free of oil, grease and other contaminants. Best adhesive results are achieved when the surfaces are cleaned with Metal cleaner 7063 (art. no. 0890 107 063). Observe the flash-off time!

For blind holes, apply several drops inside along the thread up to the base of the hole. For through-bores, apply several drops onto the screw where the nut will sit. For sealing applications, apply the product all around the external thread.

The high-strength threadlocker cures anaerobically, meaning that it only hardens where no atmospheric oxygen comes into contact with the adhesive. At the same time, the hardening speed is still influenced by the catalytic effect of metal and the gap width.

Excessive adhesive that is pressed out of the gap between the two parts will not harden and can be removed with a dry cloth or a cloth saturated with acetone cleaner (art. no. 0893 460).

## Proof of performance

NSF-tested in accordance with NSF/ANSI 61 for use in service water and drinking water



## Notice

The following plastics can be affected in the event of prolonged exposure: ABS, celluloid, polystyrene, polycarbonate (Macrolon), PMMA (Plexiglas), polysulfone, SAN (Iurane, Tyril), Vinidur, vulcanised fibre and painted surfaces.

The usage instructions are recommendations based on the tests we have conducted and on our experience; carry out your own tests before each application. Due to the large number of applications and storage and processing conditions, we do not assume any liability for a specific application result. If our free customer service provides technical information or acts as an advisory service, no responsibility is assumed by this service except where the advice or information given falls within the scope of our specified, contractually agreed service or the advisor was acting deliberately. We guarantee the consistent quality of our products. We reserve the right to make technical changes and further develop products. Please observe the technical data sheet!