

TECHNICAL DATA SHEET

High-strength bearing retainer

Art. no. 0893 603 050

P. Qty.: 1

For high-strength connection of cylindrical parts subject to high loads

Weight of content	50 g
Chemical basis	Methacrylic acid ether
Colour	Green
Density/conditions	1.07 g/cm ³ /in accordance with DIN EN ISO 2811-1
Suitable for max. thread	M12
Max. gap-filling ability	0.15 mm
Min./max. viscosity/conditions	100-200 mPas/at 25 °C, Brookfield RVT, spindle 2/20 rpm
Fully hardening/curing conditions	Exclusion of oxygen and contact with metal (copper or iron ions)
Min./max. initial strength	5-10 min
Min./max. functional strength	30-40 min
Min./max. final strength	3 h-6 h
Min./max. processing temperature	5 to 35 °C
Min./max. temperature conditions	-55 to 150 °C
Min. flashing point	90 °C
Min. prevail torque	35 Nm
Conditions for prevail torque	DIN EN 15865
Shelf life from production/conditions	18 Month/at room temperature
Solvent-free	Yes
Silicone-free	Yes

Application area

For high-strength securing of cylindrical joining parts such as bushings and sleeves as supplied, ball bearings, oil-impregnated sinter bronze, gears, bolts, shaft and hub connections exposed to high loads.

The bearing retaining compound is designed for use in the automotive and commercial vehicle industry, in metalworking and tool manufacturing, shipbuilding, mechanical engineering and engine construction, electrical and electronics construction, food, beverage, pharmaceutical and paper industries, etc.

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 sliding parts, apply the compound in a circle around the outer edge of the shaft and on the inside of the hub. To ensure the compound is optimally spread, rotate the parts against each other when joining.

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

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and the gap width.

Excessive compound 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-registered, Class S5, bearing retaining compound
- NSF-tested in accordance with NSF/ANSI 61 for use in service water and drinking water up to +82°C

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. We always recommend that you conduct your own tests.

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!