

SYNTHESES 8002 (BRÜCKENL.QUALIT)

Special lubricating grease approved for use in plain bearings of bridge and upper works



Your benefits at a glance

- Good ageing resistance
- Good wetting power
- Smooth running of components at low temperatures
- Special grease approved for plain bearings in bridges – MPA certificate

Your requirements - our solution

SYNTHESES 8002 (plain bearings in bridges) is a special lubricating grease based on silicone oil and lithium soap. It can be used for plain bearings in bridges and upper works requiring an approved lubricant. Each grease batch is tested, approved and certified by the Materials Testing Institute in Stuttgart, Germany.

Application

SYNTHESES 8002 (plain bearings in bridges) is used for the lubrication of bridge bearings with PTFE/steel contact. SYNTHESES 8002 (plain bearings in bridges) is compatible with many rubber-elastic materials. All data are based on our current knowledge and experience. They were determined by means of sampling tests. Owing to the many different elastomer and grease compositions we

recommend checking their compatibility under application-effective influences on the complete component prior to series application preferably in the entire component under production-related conditions.

Application notes

The grease can be applied by brush or spatula onto the clean and degreased surface.

Material safety data sheets

Material safety data sheets can be requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	SYNTHESES 8002 (BRÜCKENL.QUALIT)
Bucket 25 kg	+

Characteristics	SYNTHESES 8002 (BRÜCKENL.QUALIT)
Article number	012043
Composition, thickener	lithium soap
Composition, type of oil	silicone oil
Colour space	white
Texture	short fibrous
Service temperature, lower limit	-40 °C
Service temperature, upper limit	130 °C
Density, Klüber method: PN 024, 20°C	approx. 1.01 g/cm ³

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Characteristics	SYNTHESO 8002 (BRÜCKENL.QUALIT)
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	265 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	295 0.1 mm
Oil separation, ASTM D6184, based on standard, 24 h, 100°C	≤ 3 % by weight
Dropping point, DIN ISO 2176 / IP 396	≥ 180 °C
Oxidation stability, ASTM D942, based on standard, 160°C, pressure drop	≤ 1 bar
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months

Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 90 years.

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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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