

Klübersynth HB 72-102

Synthetic rolling bearing grease with exceptional corrosion protection



Benefits for your application

- Tried-and-tested grease concept based on polyurea and ester oil
- High-temperature grease for the lifetime lubrication of bearings in the automotive industry
- Reduced maintenance costs due to high reliability
- Proven effective for many years in clutch release bearings, therefore minimized risk in this application

Description

Klübersynth HB 72-102 is a synthetic lubricating grease covering the very wide temperature range needed, for example, in the automotive industry. The product constituents – ester oil, polyurea thickener and selected additives – ensure a consistently low oil release level at the different temperatures over a long time. Good resistance to hot and cold water and efficient corrosion protection contribute to a reliable operation of the bearing. Tests with some sealing materials like FPM, ACM and NBR confirm good compatibility with elastomers.

Application

Klübersynth HB 72-102 has been especially designed and approved for the lifetime lubrication of clutch release bearings in the automotive industry. The grease also meets additional requirements in terms of increased corrosion protection. Owing to its performance, Klübersynth HB 72-102 can also be used for other applications, e.g. ball bearings in belt tensioning rollers, electric motors etc.

Application notes

The lubricant is applied by means of a spatula, brush, grease gun or grease cartridge. Please run your own tests if you would like to use automatic lubrication systems or contact us for more information.

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	Klübersynth HB 72-102
Can 1 kg	+
Bucket 25 kg	+
Drum 180 kg	+

Product data	Klübersynth HB 72-102
Article number	094068
NLGI grade, DIN 51818	2
Chemical composition, type of oil	ester oil
Chemical composition, thickener	polyurea
Lower service temperature	-40 °C / -40 °F
Upper service temperature	180 °C / 356 °F
Colour space	beige
Density at 20 °C	approx. 0.97 g/cm ³



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Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 95 mm ² /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 14 mm ² /s
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
Oil separation, based on ASTM D 6184 [FTMS 791 C 321] after 30 h/150 °C	<= 4 % by weight
Low-temperature torque, IP 186, -40 °C, start	<= 1 000 mNm
Low-temperature torque, IP 186, -40 °C, running	<= 200 mNm
Drop point, DIN ISO 2176	>= 240 °C
Speed factor (n x dm)	approx. 700 000 mm/min
Testing of lubricating greases on FAG FE9 rolling bearing tester, DIN 51821 pt. 02, speed: 6000 min ⁻¹ , axial load: 1500 N, temperature: 180 °C, service life F50:	>= 100 h
Water resistance, DIN 51807 pt. 01, 3 h/90 °C, rating	0 - 90
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 80 years.

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