

Klübersynth HB 72-102

Synthetic rolling bearing grease with exceptional corrosion protection



Your benefits at a glance

- 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

Your requirements - our solution

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 | + |

| Characteristics | Klübersynth HB 72-102 |
|--------------------------------------|--------------------------------|
| Article number | 094068 |
| Composition, thickener | polyurea |
| Composition, type of oil | ester oil |
| Colour space | beige |
| Service temperature, lower limit | -40 °C |
| Service temperature, upper limit | 180 °C |
| Density, Klüber method: PN 024, 20°C | approx. 0.97 g/cm ³ |

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| Characteristics | Klübersynth HB 72-102 |
|--|-------------------------------|
| NLGI grade, DIN 51818 | 2 |
| Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C | approx. 14 mm ² /s |
| Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C | approx. 95 mm ² /s |
| SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h | ≤ 1 corrosion degree |
| Oil separation, ASTM D6184, based on standard, 30 h, 150°C | ≤ 4 % by weight |
| Low temperature torque, IP 186, -40°C, running torque | ≤ 200 mNm |
| Low temperature torque, IP 186, -40°C, starting torque | ≤ 1000 mNm |
| Dropping point, DIN ISO 2176 / IP 396 | ≥ 240 °C |
| FAG FE9 rolling bearing test, DIN 51821-2, 1500 / 6000-180, service life F50 | ≥ 100 h |
| Speed factor (n x dm) | approx. 700000 mm/min |
| Water resistance, DIN 51807-1, 3 h, 90°C | 0 - 90 rating |
| 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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