

Klübersynth BEP 72-82

Rolling bearing grease for long-term lubrication



Your benefits at a glance

- Long service life of bearing due to special antiwear additives protecting against premature material fatigue as may be caused by vibrations, high temperatures and speeds
- Protects against corrosion damage due to excellent additives

Your requirements - our solution

Klübersynth BEP 72-82 is based on polyurea and ester oil. The special additives were chosen with a view to preventing premature bearing failure due to material fatigue, which often occurs at high temperatures combined with high speeds and vibrations. The service life of bearings is extended owing to the lubricant's excellent, long-term corrosion protection characteristics.

Application

Klübersynth BEP 72-82 was especially developed for rolling bearings typically used in motor vehicles. Due to its performance characteristics Klübersynth BEP 72-82 can be used for the lifetime lubrication of many bearings, e.g. belt tensioner bearings (with rotating outer ring), clutch release bearings, viscous coupling bearings, drive shaft bearings, radiator fan bearings as well as deep groove ball bearings used in various types of electric motors and in all other bearings subject to high speeds and loads.

Klübersynth BEP 72-82 can be applied to the bearing by standard metering systems as well as by simple equipment such as brush, spatula or grease gun. Ideally, the bearing should be metallically blank. The product is normally suitable for central lubricating systems. Please note, however, that due to different system configurations and application conditions the pumpability of the product has to be confirmed with the system manufacturer for each individual application. We will be pleased to provide assistance in this matter.

If an anticorrosive fluid has been applied prior to greasing, we recommend checking compatibility with the lubricant.

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.

Application notes

Pack sizes	Klübersynth BEP 72-82
Cartridge 400 g	+
Can 1 kg	+
Bucket 25 kg	+
Bucket 50 kg	+
Drum 180 kg	+

Characteristics	Klübersynth BEP 72-82
Article number	094092
Composition, thickener	polyurea
Composition, type of oil	ester oil

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Characteristics	Klübersynth BEP 72-82
Colour space	beige
Service temperature, lower limit	-40 °C
Service temperature, upper limit	180 °C
Density, Klüber method: PN 024, 20°C	approx. 0.9 g/cm ³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, difference after 100000 double strokes	≤ 60 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	250 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	280 0.1 mm
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 11 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 80 mm ² /s
Copper corrosion, DIN 51811, 24 h, 100°C	1 - 100 - 24 corrosion degree
SKF-EMCOR, DIN 51802, based on standard, Klüber method: 5 % NaCl solution, 168 h	≤ 3 corrosion degree
Flow pressure, DIN 51805-2, -40°C	≤ 1400 mbar
Dropping point, DIN ISO 2176 / IP 396	≥ 250 °C
Speed factor (n x dm)	1000000 mm/min
Water resistance, DIN 51807-1, 3 h, 90°C	≤ 1 - 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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