

Klübersynth BQP 72-82

Rolling bearing grease for long-term lubrication



Your benefits at a glance

- Extended component lifetime
 - smooth running, especially in small rolling bearings ensures protection against premature material fatigue
 - above-average corrosion protection avoids corrosion damage
 - improved vibration resistance owing to optimised wear protection

Your requirements - our solution

Klübersynth BQP 72-82 is designed for small rolling bearings in which material fatigue due to vibration in combination with pressure and temperature can occur. It is based on ester oil and polyurea thickener and made according to a special manufacturing procedure, facilitating smoother running of rolling bearings. With its above-average corrosion protection properties, it also extends the lifetime of rolling bearings.

Application

Klübersynth BQP 72-82 is preferably used for highly-loaded generator bearings, fan bearings and bearings in driving and electric motors, e.g. in cars.

Application notes

Klübersynth BQP 72-82 can be applied by means of brush, spatula, and automatic dosing units for small quantities or conventional dosing systems. 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.

Ideally, the friction point should be cleaned and dried prior to lubrication. If a preservative 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.

| Pack sizes | Klübersynth BQP 72-82 |
|----------------------------------|-----------------------|
| Can 1 kg | + |
| Bucket 18 kg | + |
| Characteristics | Klübersynth BQP 72-82 |
| Article number | 094116 |
| Composition, thickener | polyurea |
| Composition, type of oil | ester oil |
| Colour space | beige |
| Service temperature, lower limit | -40 °C |

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| Characteristics | Klübersynth BQP 72-82 |
|--|-------------------------------|
| 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 | 280 0.1 mm |
| Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit | 310 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 |
| Oil separation, ASTM D6184, based on standard, 30 h, 150°C | ≤ 3 % by weight |
| Flow pressure, DIN 51805-2, -40°C | ≤ 1400 mbar |
| Dropping point, DIN ISO 2176 / IP 396 | ≥ 250 °C |
| Noise test, Anderonmeter, Klüber method: PN 035, noise class | 2/2 |
| Speed factor (n x dm) | approx. 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. | 12 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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