

Klüberquiet BQH 72-102

High-purity rolling bearing grease for long-term lubrication



Your benefits at a glance

- Cost savings due to long service life of grease at > 80°C
- Smooth running, low noise
- Wide service temperature range allows a variety of applications
- Long bearing life due to excellent water resistance

Your requirements - our solution

Klüberquiet BQH 72-102 is a synthetic high-temperature lubricating grease. Due to the careful selection of product components and the clean manufacturing environment, Klüberquiet BQH 72-102 is a rolling bearing grease with a particularly low noise level. Klüberquiet BQH 72-102 offers excellent performance characteristics thanks to a high-quality ester oil, a new polyurea thickener and special additives. It is special in that it combines high-temperature resistance and extreme purity.

Application

In a wide variety of ball bearings operating under extreme thermal stress, Klüberquiet BQH 72-102 is used for long-term or lifetime lubrication. Such applications include ball bearings in electric motors, fans, air conditioners, generators and belt tensioners in cars, power tool as well as household appliances and office equipment.

Application notes

The lubricant is applied by means of a spatula, brush, grease gun or grease cartridge. We recommend completely removing preservatives before applying the grease. Preservatives for permanent use should be checked for purity and chemical compatibility with Klüberquiet BQH 72-102. We can recommend suitable preservatives on request.

Colour changes within the stated colour space may result from the product design. This does however not affect product performance.

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 | Klüberquiet BQH 72-102 |
|-----------------|------------------------|
| Cartridge 400 g | + |
| Can 1 kg | + |
| Bucket 18 kg | + |
| Bucket 25 kg | + |
| Drum 180 kg | + |

| Characteristics | Klüberquiet BQH 72-102 |
|--------------------------|------------------------|
| Article number | 094023 |
| Composition, thickener | polyurea |
| Composition, type of oil | ester oil |
| Colour space | beige |

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| Characteristics | Klüberquiet BQH 72-102 |
|---|--------------------------------|
| Texture | fibrous , homogeneous |
| Service temperature, lower limit | -40 °C |
| Service temperature, upper limit | 180 °C |
| Density, Klüber method: PN 024, 20°C | approx. 0.99 g/cm ³ |
| 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 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C | approx. 11 mm ² /s |
| Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C | approx. 100 mm ² /s |
| SKF-EMCOR, DIN 51802, Klüber method: distilled water, 164 h | ≤ 1 corrosion degree |
| Low temperature torque, IP 186, -40°C, running torque | ≤ 150 mNm |
| Low temperature torque, IP 186, -40°C, starting torque | ≤ 1000 mNm |
| Dropping point, DIN ISO 22286 / IP 396 | ≥ 250 °C |
| FAG FE9 rolling bearing test, DIN 51821-2, 1500 / 6000-180, service life F50 | ≥ 100 h |
| Noise test, BeQuiet+, ISO 21250-2, ÖNorm M 8127-2, equipment: SKF grease noise test rig, noise class | ≥ GN 3 |
| ROF rolling bearing test, Klüber method: axial load: 100 N / radial load: 50 N / 10000 min ⁻¹ / 1.5 cm ³ , equipment: SKF grease testingmaschine, 170°C, service life F50 | ≥ 1000 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 95 years.

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