

Klüberquiet BQ 72-72

Low-noise rolling bearing grease for long-term lubrication



Benefits for your application

- Long-term operation due to optimised wear protection and smooth running
- Wide service temperature range allows a variety of applications
- Cost savings due to long service life of grease
- Particularly suitable for lifetime-lubricated capped or sealed deep groove ball bearings

Description

Klüberquiet BQ 72-72 is made up of an ester oil, a polyurea thickener and special additives. These components have been combined such that Klüberquiet BQ 72-72 offers many advantages for the lubrication of rolling bearings:

- extremely low-noise operation shown on special test rigs, e.g. SKF BeQuiet+
- long bearing life due to optimised wear protection and a thermally stable, synthetic grease
- good compatibility with elastomers (data available on request)
- wide service temperature range and good low-temperature performance

Application

Klüberquiet BQ 72-72 is suitable for bearings where long service life is required in combination with especially low-noise operation. Such applications include rolling bearings in electric motors, fans, air conditioners, generators and belt tighteners in cars, electric household appliances and office equipment. The product should therefore primarily be used for the long-term or for-life lubrication of capped or sealed bearings.

The low-noise characteristics of this rolling bearing grease have been confirmed in various tests performed on special noise test rigs. Tests according to the SKF-BeQuiet+ method showed that Klüberquiet BQ 72-72 can be classified as noise class GN 3.

Grease service life tests were conducted on SKF-ROF and FAG-FE9 rolling bearing testers according to DIN 51 821. The results showed long service lives at high temperatures (see product data).

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 compatibility with Klüberquiet BQ 72-72. We can recommend compatible preservatives on request.

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 BQ 72-72
Cartridge 400 g	+
Can 1 kg	+
Bucket 25 kg	+
Drum, 180 kg	+

Product data	Klüberquiet BQ 72-72
Article number	094008
Chemical composition, thickener	polyurea
Chemical composition, type of oil	ester oil
Lower service temperature	-45 °C / -49 °F

Klüberquiet BQ 72-72

Low-noise rolling bearing grease for long-term lubrication

Product data	Klüberquiet BQ 72-72
Upper service temperature	180 °C / 356 °F
Colour space	beige
Texture	homogeneous
Texture	short-fibred
Density at 20 °C	approx. 0.96 g/cm ³
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	250 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	280 x 0.1 mm
Speed factor (n x dm)	1 000 000 mm/min
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 80 mm ² /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 9.5 mm ² /s
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
Drop point, DIN ISO 2176, IP 396	>= 250 °C
Flow pressure of lubricating greases, DIN 51805, test temperature:-45 °C	<= 1 400 mbar
Noise test run, SKF BeQuiet+, noise classes	>= GN3
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
SKF-ROF rolling bearing tester, axial load: 100 N, radial load: 50 N, speed: 10000 min ⁻¹ , temperature:170 °C, service life F50:	>= 1 000 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





Klüberquiet BQ 72-72

Low-noise rolling bearing grease for long-term lubrication



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.

**Klüber Lubrication München SE & Co. KG /
Geisenhausenerstraße 7 / 81379 München / Germany /
phone +49 89 7876-0 / fax +49 89 7876-333.**

The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

Publisher and Copyright: Klüber Lubrication München SE & Co. KG. Reprints, total or in part, are permitted only prior consultation with Klüber Lubrication München SE & Co. KG and if source is indicated and voucher copy is forwarded.