

# Klüberquiet BQ 72-72

Low-noise rolling bearing grease for long-term lubrication



## Your benefits at a glance

- 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

## Your requirements - our solution

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](http://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 18 kg	+
Bucket 25 kg	+
Drum 180 kg	+

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Characteristics	Klüberquiet BQ 72-72
Article number	094008
Composition, thickener	polyurea
Composition, type of oil	ester oil
Colour space	beige
Texture	homogeneous , short fibrous
Service temperature, lower limit	-45 °C
Service temperature, upper limit	180 °C
Density, Klüber method: PN 024, 20°C	approx. 0.96 g/cm <sup>3</sup>
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. 9.5 mm <sup>2</sup> /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 80 mm <sup>2</sup> /s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree
Flow pressure, DIN 51805-2, -45°C	≤ 1400 mbar
Dropping point, DIN ISO 2176 / IP 396	≥ 250 °C
FAG FE9 rolling bearing test, DIN 51821-2, 1500 / 6000-180, service life F50	≥ 100 h
Noise test, BeQuiet+, 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 <sup>-1</sup> / 1.5 cm <sup>3</sup> , equipment: SKF grease testingmaschine, 170°C, service life F50	≥ 1000 h
Speed factor (n x dm)	1000000 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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