

# Klüberquiet BQ 72-52

Low-noise high-temperature grease for high-speed rolling bearings



## Your benefits at a glance

- For-life lubrication enabled by good ageing stability and wide service temperature range
- Proven smooth running in noise-sensitive applications
- Increase in efficiency due to low friction values also at high speeds
- Cost savings due to long useful life of the grease

## Your requirements - our solution

As a manufacturer of precision bearings, you have to meet customers' stringent requirements on both bearings and their lubricants. Besides fault-free bearing operation, long relubrication intervals or even for-life lubrication are frequently requested.

Modern technology has strongly influenced the requirements to be met by rolling bearings: extremely low-noise operation over a wide service temperature range, combined with high to extremely highly speeds, even at high ambient temperatures. With this extraordinary set of requirements, Klüberquiet BQ 72-52 offers optimal support.

Based on many years of experience in the field of low-noise technology, Klüberquiet BQ 72-52 was developed with these applications in mind. The low noise level attainable with Klüberquiet BQ 72-52 was proven on all standard test rigs.

The carefully composed ingredients and the thermally stable synthetic base oil mixture of Klüberquiet BQ 72-52 offer you multiple benefits in the lubrication of rolling bearings. Examples are the reduction of friction through optimised oil release and the protection of the rolling bearing due to the product's excellent antioxidative and anticorrosive behaviour.

## Application

Klüberquiet BQ 72-52 is preferably used for the long-term and for-life lubrication of capped or sealed ball bearings where the particular challenge is posed by high speeds combined with a wide temperature range and the demand for low-noise operation. Such bearings are often part of noise-sensitive, small electric motors, for example in office machines, household appliances like vacuum cleaners, or consumer electronics. Other applications are in fan bearings or electric drives and actuators in vehicles. Furthermore, sliding points in precision equipment as well as in vehicles, such as locking systems or seat adjustment mechanisms requiring low oil separation, can be reliably lubricated with this grease.

## Application notes

Klüberquiet BQ 72-52 may be applied by brush, spatula, grease gun or grease cartridge. We recommend removing any preservatives prior to greasing. The preservative to be used must be checked for purity and its chemical composition for compatibility with Klüberquiet BQ 72-52. Talk to us – we will be pleased to advise you.

## 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 72-52
Cartridge 400 g	+
Can 1 kg	+
Bucket 25 kg	+

# Klüberquiet BQ 72-52

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Characteristics	Klüberquiet BQ 72-52
Article number	094150
Composition, thickener	polyurea
Composition, type of oil	ester oil
Colour space	beige
Texture	homogeneous , short fibrous
Service temperature, lower limit	-50 °C
Service temperature, upper limit	180 °C
Density, Klüber method: PN 024, 20°C	approx. 0.9 g/cm <sup>3</sup>
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	240 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	270 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. 9 mm <sup>2</sup> /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 55 mm <sup>2</sup> /s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree
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
Speed factor (n x dm), equipment: high speed test rig, precision bearing 7008 / 27000 min <sup>-1</sup> / max. axial load: 2000 N	approx. 1450000 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 95 years.

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