

# Klüberquiet BQH 72-102

High-purity rolling bearing grease for long-term lubrication



## Benefits for your application

- 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

## Description

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.

The possibility of a change in colour is inherent in this product concept. It has, however, no influence on product performance.

## 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 BQH 72-102
Cartridge 400 g	+
Can 1 kg	+
Bucket 25 kg	+

Product data	Klüberquiet BQH 72-102
Article number	094023
Chemical composition, thickener	polyurea
Chemical composition, type of oil	ester oil
Lower service temperature	-40 °C / -40 °F
Upper service temperature	180 °C / 356 °F
Colour space	beige
Texture	fibrous
Texture	homogeneous
Density at 20 °C	approx. 0.99 g/cm <sup>3</sup>



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Product data	Klüberquiet BQH 72-102
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
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 100 mm <sup>2</sup> /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 11 mm <sup>2</sup> /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
Noise test run, SKF BeQuiet+, noise classes	>= GN3
Speed factor (n x dm)	approx. 700 000 mm/min
Testing of lubricating greases on FAG FE9 rolling bearing tester, DIN 51821 pt. 02, speed: 6000 min <sup>-1</sup> , 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 <sup>-1</sup> , temperature: 170 °C, service life F50:	>= 1 000 h
Low-temperature torque, IP 186, -40 °C, running	<= 150 mNm
Low-temperature torque, IP 186, -40 °C, start	<= 1 000 mNm
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

## 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.

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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.

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