

# 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](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 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

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Characteristics	Klüberquiet BQH 72-102
Colour space	beige
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 <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. 11 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. 100 mm <sup>2</sup> /s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 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 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)	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 90 years.

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

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