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**

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.

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 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.

Minimum shelf life

The minimum shelf life is approx. 12 months if the product is stored in its unopened original container in a dry, frost-free place.

Pack sizes

400 g cartridge
1 kg can
25 kg bucket

Material safety data sheets

Material safety data sheets can be downloaded or requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

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Product data	Klüberquiet BQH 72-102
Base oil / thickener	ester oil, polyurea
Color	beige
Service temperature range*, DIN 51825, 51821/pt. 2, [°C], approx.	-40 to 180
Worked penetration, DIN ISO 2137, (ASTM-D 217), at 25 °C, [0.1 mm]	250 – 280
Drop point, DIN ISO 2176, [°C]	> 250
Water resistance acc. to DIN 51807 pt. 1, [°C]	0 - 90
Corrosion protection of lubricating greases, DIN 51802, SKF-Emcor test, duration of test: 1 week, distilled water corrosion degree	≤ 1
Kinematic viscosity of the base oil, DIN 51562, pt. 01, Ubbelohde at 40 °C, [mm²/s], approx. at 100 °C, [mm²/s], approx.	100 11
Speed factor** for deep groove ball bearings, (n x dm) [mm x min^{-1}], approx.	700,000
Low-temperature torque acc. to IP 186 at -40 °C starting torque, [mNm] running torque, [mNm]	 < 1,000 < 150
FAG-FE9 rolling bearing greaster tester, DIN 51821/pt. 2 A, 6,000 rpm, 1,500 N, 180 °C, F_{50} in [h]	> 100
SKF-ROF rolling bearing grease tester 10,000 min^{-1}, F_a = 100 N, F_r = 50 N, 170 °C, F_{50} in [h]	> 1,000
Noise test acc. to SKF Bequiet Plus, noise class	GN 3

* Service temperatures are guide values which depend on the lubricant's composition, the intended use and the application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on the mechano-dynamical loads, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

** Speed factors are guide values which depend on the type and size of the rolling bearing type and the local operating conditions, which is why they have to be confirmed in tests carried out by the user in each individual case

Lubrication is our world

With more than 2000 products available around the world, you can be sure that Klüber has the right product for your application. Please contact Klüber Lubrication specialists worldwide to assist you in all matters regarding lubrication.

www.klueber.com