

Klübersynth BMQ 72-162

For lifetime lubrication at low and high temperatures



Benefits for your application

- **Low component noise at high temperatures**
 - due to innovative hybrid grease formulation
 - due to the addition of fluorinated base oils
- **High component performance**
 - due to a wide service temperature range
 - due to good corrosion and wear protection properties

Description

Klübersynth BMQ 72-162 is a synthetic long-term lubricating grease. It is based on ester oils and perfluorinated polyether oil. Its outstanding characteristics are good oil retention at high permanent temperatures and good corrosion protection as well as water resistance.

Application

Klübersynth BMQ 72-162 is preferably used for plain and rolling bearings at high and low temperatures requiring good thermal stability but where the use of silicone is forbidden. It has proven successful for the lifetime lubrication of rolling bearings in electric motors, smoke extractor motors and clutch release bearings.

Due to the good oil retention Klübersynth BMQ 72-162 is suitable for bearings with rotating outer ring subject to high thermal loads like in expander rollers.

Application notes

It is not necessary to remove the anticorrosive film in rolling bearings prior to applying Klübersynth BMQ 72-162. The lubricant can be removed using organic solvents. To attain a maximum service life and minimum noise level we recommend thorough cleaning of the friction point and seeking detailed service advice from our application engineers.

Material safety data sheets

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

Pack sizes	Klübersynth BMQ 72-162
Cartridge 500 g	+
Can 600 g	+
Bucket 30 kg	+

Product data	Klübersynth BMQ 72-162
Article number	094073
Chemical composition, thickener	polyurea
Chemical composition, type of oil	PFPE
Chemical composition, type of oil	ester oil
Lower service temperature	-40 °C / -40 °F
Upper service temperature	200 °C / 392 °F
Colour space	beige
Density at 20 °C	approx. 1.30 g/cm ³



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Product data	Klübersynth BMQ 72-162
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	240 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	270 x 0.1 mm
Base oil viscosity at 40 °C, calculated value	approx. 160 mm ² /s
Base oil viscosity at 100 °C, calculated value	approx. 27 mm ² /s
Speed factor (n x dm)	500 000 mm/min
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ ; equipment:rotational viscometer	approx. 6 000 mPas
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
Flow pressure of lubricating greases, DIN 51805-2, test temperature: -40 °C	<= 1 400 mbar
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 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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