

Klübersynth BZ 68-400

Special cleaning grease for rolling bearing applications



Your benefits at a glance

- Extend rolling bearing life through removal of residues
- Low maintenance requirement due to ease of application
- Higher component reliability due to effectively cleaned rolling bearings
- Cost savings due to downtime reduction

Your requirements - our solution

For you as an operator of wind power plants, downtime means high costs and laborious maintenance. Downtime is often due to rolling bearing damage caused by hardened residues. Klübersynth BZ 68-400 is a solution destined precisely for this problem. As the cleaning grease removes these residues, bearing life is extended and downtime for maintenance reduced.

When developing Klübersynth BZ 68-400, particular care was taken to ensure it is compatible with other base oils for maximum versatility. Besides the good cleaning effect that removes residues from rolling bearings, Klübersynth BZ 68-400 offers good protection against wear and corrosion. Due to this combined effect, cleaning of the rolling bearings can take place during operation.

Application

Klübersynth BZ 68-400 was especially developed for cleaning the kinds of rolling bearings used, for example, in wind turbines. Due to its chemical composition and good compatibility with various base

oils, Klübersynth BZ 68-400 can be used in many different kinds of rolling bearings. It should preferably be used prior to changing over to a different type of grease.

Application notes

Klübersynth BZ 68-400 can be applied by means of a grease gun or other standard metering equipment. We recommend conducting a metering test in the original dosing device under real-life operating conditions. We also recommend having the grease applied by an experienced technician from Klüber Lubrication. 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. You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klübersynth BZ 68-400
Cartridge 400 g	+
Bucket 25 kg	+

Characteristics	Klübersynth BZ 68-400
Article number	019025
Composition, thickener	silicate
Composition, type of oil	synthetic hydrocarbon oil
Colour space	yellow
Service temperature, lower limit	-20 °C

Klübersynth BZ 68-400

Special cleaning grease for rolling bearing applications



Characteristics	Klübersynth BZ 68-400
Service temperature, upper limit	100 °C
Density	approx. 0.92 g/cm ³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	400 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	430 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. 7 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 40 mm ² /s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 164 h	≤ 1 corrosion degree
Flow pressure, DIN 51805-2, -20°C	≤ 1400 mbar
Four-ball tester: wear characteristics, DIN 51350-5, Klüber method: 400 N, 60 min	≤ 1 mm
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 95 years.

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

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.

Publisher and Copyright: Klüber Lubrication München GmbH & Co. KG. Reprints, total or in part, are permitted only prior consultation with Klüber Lubrication München GmbH & Co. KG and if source is indicated and voucher copy is forwarded.