

# Klübersynth BZ 44-4000

Anticorrosion fluid with lubricating effect for rolling bearings



## Your benefits at a glance

- Less maintenance during operation due to the prevention of premature component failure enabled by very good anticorrosion and antiwear effect
- Improved component performance due to the very good protection against False Brinelling, especially in rolling bearings performing oscillating and/or rotating movements

## Your requirements - our solution

Klübersynth BZ 44-4000 is a novel anticorrosion fluid based on a synthetic hydrocarbon oil with added lithium soap. Klübersynth BZ 44-4000 was developed as a supplementary product optimising the effect of greases in rolling bearings performing frequent oscillating and/or rotating movements.

The innovative formulation of this product offers a unique double benefit: As a preservation fluid, Klübersynth BZ 44-4000 protects steel bearings against corrosion during storage. Furthermore, the additives it contains enhance the performance of the greases applied when the bearing is in use. Internal tests showed that in rolling bearings to which Klübersynth BZ 44-4000 had been applied grease lives were attained that were three times longer than those reached in untreated components. Fretting wear tests confirmed the product's preventive effect against False Brinelling damage.

## Application

Klübersynth BZ 44-4000 is easy to apply and may be used as an alternative to conventional anticorrosion oil and as a primer for subsequent greasing. Typical applications include the long-term and for-life lubrication of rolling bearings e.g. in wind turbines, electric motors, fans, automotive components or pumps.

## Application notes

Klübersynth BZ 44-4000 can be applied by immersion, spraying or brush. Shake or stir product before use. Parts can be cleaned using a commercial cleansing agent. Due to its composition, Klübersynth BZ 44-4000 can be combined with the commonly used grease types. We recommend checking the miscibility of the grease in contact with the anticorrosion fluid, especially prior to series application.

## 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	Klübersynth BZ 44-4000
Canister 1 l	+
Bucket 25 l	+

Characteristics	Klübersynth BZ 44-4000
Article number	047076
Composition, thickener	lithium soap
Composition, type of oil	synthetic hydrocarbon oil
Appearance	milky

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Characteristics	Klübersynth BZ 44-4000
Colour space	beige
Service temperature, lower limit	-40 °C
Service temperature, upper limit	140 °C
Density, DIN 51757, 20°C	approx. 0.84 g/cm <sup>3</sup>
Dynamic viscosity, DIN 53015, Höppler, 20°C	approx. 275 mPas
Steel corrosion, DIN ISO 7120 / ASTM D665, method A, 24 h, 60°C	rust-free
Pour point of the base oil, DIN ISO 3016	≤ -40 °C
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 90 years.

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