

# Klübersynth HB 72- 52

High-temperature grease for rolling bearings



## Your benefits at a glance

- Long service life
- Wide service temperature range
- Good corrosion protection and water resistance
- Compatible with EPDM

## Your requirements - our solution

Klübersynth HB 72-52 is a synthetic high-temperature grease. It is based on special ester oil, a polyurea thickener and selected additives and covers a wide service temperature range. The grease is compatible with EPDM, offers excellent running times, good corrosion protection as well as water washout resistance.

## Application

Klübersynth HB 72-52 has been especially designed for the lifetime lubrication of rolling bearings with EPDM seals such as brake and clutch release bearings, automotive rolling bearing components or electric motors and high-speed bearings.

## Application notes

The lubricant is applied by means of spatula, brush, grease gun or grease cartridge. Please run your own test if you wish to use your automatic lubrication system or contact us for more information.

## 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 HB 72-52
Can 1 kg	+
Bucket 18 kg	+
Bucket 25 kg	+
Bucket 50 kg	+

Characteristics	Klübersynth HB 72-52
Article number	094028
Composition, thickener	polyurea
Composition, type of oil	ester oil
Service temperature, lower limit	-30 °C
Service temperature, upper limit	180 °C
Density, Klüber method: PN 024, 20°C	approx. 1.05 g/cm <sup>3</sup>
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	280 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	310 0.1 mm

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Characteristics	Klübersynth HB 72-52
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 8.8 mm <sup>2</sup> /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 55 mm <sup>2</sup> /s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree
Low temperature torque, IP 186, -35°C, running torque	≤ 100 mNm
Low temperature torque, IP 186, -35°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
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 testing machine, 170°C, service life F50	≥ 1000 h
Speed factor (n x dm)	approx. 1000000 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 95 years.

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