

Klüberspeed BFP 42-32

High-speed spindle bearing grease



Your benefits at a glance

- Can be used for angular contact ball bearings and high-speed cylinder roller bearings, especially with steel/ceramic friction pairings
- For horizontal, vertical and inclined mounting positions and very high speeds

Your requirements - our solution

Klüberspeed BFP 42-32 is a high-speed spindle bearing grease with a synthetic base oil and a special lithium thickener. Due to its base oil viscosity and the chemical composition Klüberspeed BFP 42-32 can be used for high-speed spindle bearings where it achieves a longer service life than conventional spindle bearing greases.

Application

Klüberspeed BFP 42-32 is primarily recommended for spindles in milling, grinding and drilling machines and lathes running at medium permanent temperatures. It lubricates both angular contact and cylinder roller bearings used in other high-speed applications, e.g. in power tools, electric motors etc..

Application notes

Klüberspeed BFP 42-32 can be filled into the bearings using normal grease application tools (e.g. spatula, grease gun). Application by means of central lubrication systems and metering devices is also possible. Due to its chemical composition, Klüberspeed BFP 42-32 cannot be used at service temperatures below 0°C.

When stored below the freezing point the grease solidifies. Its original texture and performance characteristics will be restored when heating the grease above 0°C.

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	Klüberspeed BFP 42-32
Cartridge 400 g	+
Can 1 kg	+
Bucket 25 kg	+

Characteristics	Klüberspeed BFP 42-32
Article number	004271
Composition, thickener	lithium soap
Composition, type of oil	ester oil
Colour space	brown red
Service temperature, lower limit	0 °C
Service temperature, upper limit	120 °C
Density, Klüber method: PN 024, 20°C	approx. 0.97 g/cm ³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	250 0.1 mm

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Characteristics	Klüberspeed BFP 42-32
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	280 0.1 mm
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 6 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 30 mm ² /s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree
Oil separation, DIN 51817 N, 168 h, 40°C	≤ 7 % by weight
Speed factor (n x dm)	2300000 mm/min
Spindle bearing test, Klüber method: HC7010E / 100 N / 35000 min ⁻¹ , service life F50	≥ 800 h
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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