

Klüberspeed BFP 42-32

High-speed spindle bearing grease



Benefits for your application

- 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

Description

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
Can 1 kg	+
Bucket 25 kg	+

Product data	Klüberspeed BFP 42-32
Article number	004271
Chemical composition, type of oil	ester oil
Chemical composition, thickener	lithium soap
Colour space	reddish brown
Lower service temperature	0 °C / 32 °F
Upper service temperature	120 °C / 248 °F
Density at 20 °C	approx. 0.97 g/cm ³
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	250 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	280 x 0.1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 30 mm ² /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 6 mm ² /s
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree



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Speed factor (n x dm)	2 300 000 mm/min
Klüber spindle bearing test- HC7010E, F ax=100 N, n=35000 rpm, F 50	>= 800 h
Oil separation, DIN 51817 N, after 7 d/40 °C	<= 7 % by weight
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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