

Klüberspeed BF 72-23

High-speed lubricating grease



Benefits for your application

- Especially for horizontal, vertical or inclined mounting positions, thus suitable for all standard machine tools. Excellent high-speed characteristics and long service life in rolling bearings with steel/steel or steel/ceramic friction pairings

Description

Klüberspeed BF 72-23 is a high-performance special grease with a synthetic base oil and a complex urea thickener. The base oil viscosity and the viscosity-temperature characteristics of the base oil allow Klüberspeed BF 72-23 to be used for a wide range of speeds and temperatures.

Application

Klüberspeed BF 72-23 is primarily recommended for spindles in milling, grinding and drilling machines and lathes running at very high speeds and high permanent temperatures. Such high speeds are frequently encountered in motor-powered spindle bearings. Klüberspeed BF 72-23 is also suitable for other high-speed bearings as are found in power tools, electric motors, etc. As this grease has a higher mechanical stability than Klüberspeed BF 72-22, it is better suitable for applications involving a vertical or inclined shaft.

Application notes

Klüberspeed BF 72-23 can be filled into the bearings using normal grease application tools (e.g. spatula, grease gun). Application by means of central lubricating systems and metering devices is also possible. The possibility of a change in colour is inherent in this product concept. It has, however, no influence on product performance.

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 BF 72-23
Cartridge 400 g	+
Can 1 kg	+
Bucket 25 kg	+

Product data	Klüberspeed BF 72-23
Article number	004246
Chemical composition, thickener	polyurea
Chemical composition, type of oil	ester oil
Chemical composition, type of oil	synthetic hydrocarbon oil
Lower service temperature	-50 °C / -58 °F
Upper service temperature	120 °C / 248 °F
Colour space	beige-brown
Texture	homogeneous
Texture	fibrous
Density at 20 °C	approx. 0.92 g/cm ³
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	220 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	250 x 0.1 mm



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Product data	Klüberspeed BF 72-23
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 22 mm ² /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 5 mm ² /s
Speed factor (n x dm)	approx. 2 100 000 mm/min
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, lower limit value	2 000 mPas
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, upper limit value	6 000 mPas
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
Flow pressure of lubricating greases, DIN 51805, test temperature: -50 °C	<= 1 400 mbar
Klüber spindle bearing test- HC7010E, F ax=100 N, n=32500 rpm, F 50	>= 1 200 h
Oil separation, DIN 51817 N, after 7 d/40 °C	<= 3 % by weight
Water resistance, DIN 51807 pt. 01, 3 h/90 °C, rating	1 - 90
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 80 years.

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