

Klüberspeed BF 72-23

High-speed lubricating grease



Your benefits at a glance

- 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

Your requirements - our solution

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	+

Characteristics	Klüberspeed BF 72-23
Article number	004246
Composition, thickener	polyurea
Composition, type of oil	ester oil , synthetic hydrocarbon oil
Colour space	beige - brown
Texture	fibrous , homogeneous
Service temperature, lower limit	-50 °C
Service temperature, upper limit	120 °C

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Characteristics	Klüberspeed BF 72-23
Density, Klüber method: PN 024, 20°C	approx. 0.92 g/cm ³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	220 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	250 0.1 mm
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹ , lower limit	2000 mPas
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹ , upper limit	6000 mPas
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 5 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 22 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	≤ 3 % by weight
Flow pressure, DIN 51805-2, -50°C	≤ 1400 mbar
Speed factor (n x dm)	approx. 2100000 mm/min
Spindle bearing test, Klüber method: HC7010E / 100 N / 32500 min ⁻¹ , service life F50	≥ 1200 h
Water resistance, DIN 51807-1, 3 h, 90°C	1 - 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 90 years.

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