

Klüberspeed BF 72-22

High-speed lubricating grease



Your benefits at a glance

- Very good resistance to water and anticorrosive effect protect bearings against premature failure, thus helping to minimize maintenance costs.
- Low starting torque enables problem-free operation and energy savings also at low temperatures
- Long-term successful use in particular at high speeds
- Shorter running-in of spindle bearings

Your requirements - our solution

Klüberspeed BF 72-22 is a high-performance special grease with a synthetic base oil and a polyurea thickener. The base oil viscosity and its viscosity-temperature characteristics allow Klüberspeed BF 72-22 to be used for a wide range of speeds and temperatures. Tests have shown that Klüberspeed BF 72-22 is suitable for extremely high speeds; speed factors of up to 2 million were attained. Klüberspeed BF 72-22 also allows shorter running-in times and has a long service life.

Application

Klüberspeed BF 72-22 is preferred for use in horizontally mounted 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 72-22 is also suitable for other high-speed bearings as are found in power tools, electric motors, etc..

Other uses include the greasing of tooth flanks in precision gears (e.g. bevel gears in milling machines, electro-mechanical valve actuators).

Application notes

Klüberspeed BF 72-22 can be filled into the bearings using normal grease application tools (e.g. spatula, grease gun). Application by means of industrial 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 72-22
Cartridge 400 g	+
Can 1 kg	+
Bucket 25 kg	+
Drum 180 kg	+

Characteristics	Klüberspeed BF 72-22
Article number	004043
Composition, thickener	polyurea
Composition, type of oil	ester oil , synthetic hydrocarbon oil

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Characteristics	Klüberspeed BF 72-22
Colour space	beige
Service temperature, lower limit	-50 °C
Service temperature, upper limit	120 °C
Density, Klüber method: PN 024, 20°C	approx. 0.92 g/cm ³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	250 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	280 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	5000 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
Dropping point, DIN ISO 2176 / IP 396	≥ 220 °C
Speed factor (n x dm)	approx. 2000000 mm/min
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. 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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