

ISOFLEX NBU 15

Spindle bearing grease



Your benefits at a glance

- Tried and tested over many years especially in high-speed applications
- Longer component life due to optimized wear protection and good pressure absorption capacity
- Excellent resistance to water and media as well as above-average anticorrosive additives protect bearings against premature failure, thus helping to minimize repair costs
- Low intrinsic bearing heat due to low lubricant friction enabling longer service life
- Uninterrupted machine operation due to good pumpability and metering in customary centralized lubricating systems

Your requirements - our solution

ISOFLEX NBU 15 is a high-speed grease with a good pressure absorption capacity.

It consists of a combination of ester oil, synthetic hydrocarbon oil and mineral oil and a barium complex soap. It offers good protection against wear and corrosion and is resistant to water, media and oxidation.

Application

ISOFLEX NBU 15 is primarily used for spindle bearings and high-speed plain bearings, e.g. in machine tools and textile machines. Further applications are in threaded spindles, ball screws operating under high loads, running gear bearings, as a long-term grease in cableway bearings and in precision engineering. It may also be used

for the lubrication of tooth flanks in precision gears (e.g. bevel gears in milling machines, electromechanical valve actuators).

Application notes

The lubricant is applied by brush, spatula, grease gun or grease cartridge. Owing to the many elastomer and plastic compositions, we recommend checking the grease's compatibility prior to series application with elastomers or plastics.

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	ISOFLEX NBU 15
Cartridge 400 g	+
Cartridge 400 g	+
Can 1 kg	+
Bucket 5 kg	+
Bucket 25 kg	+

Characteristics	ISOFLEX NBU 15
Article number	004026
Colour space	beige
Texture	homogeneous , short fibrous
Service temperature, lower limit	-40 °C

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Characteristics	ISOFLEX NBU 15
Service temperature, upper limit	130 °C
Density, Klüber method: PN 024, 20°C	approx. 0.99 g/cm ³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	265 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	295 0.1 mm
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹ , lower limit	4000 mPas
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹ , upper limit	8000 mPas
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 4.5 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 21 mm ² /s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree
Dropping point, DIN ISO 2176 / IP 396	≥ 220 °C
Speed factor (n x dm)	approx. 1600000 mm/min
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 95 years.

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