ISOFLEX NCA 15

Spindle bearing grease

Benefits for your application

- **Longer rolling bearing life due to good wear protection, water resistance and pressure absorption capacity**
- **Tried and tested over many years especially in high-speed and low-temperature applications**
- **Low heating-up of bearings due to low lubricant friction leading to longer service life**
- **Low running torque enables energy savings, particularly at low temperatures, hence costs savings possible**

Description

ISOFLEX NCA 15 is a dynamically light grease with good pressure absorption properties for plain and spindle bearings. It consists of ester oil, synthetic hydrocarbon oil, mineral oil and special calcium soap. The product is resistant to water and protects reliably against wear.

Application

ISOFLEX NCA 15 is particularly suitable for the lubrication of spindle and tapered roller bearings, threaded spindles, ball screws subject to high loads, and for all high-speed bearings, e.g. bearings in OE-spinning turbines used in the textile industry.

Application notes

The lubricant is applied by brush, spatula, grease gun or grease cartridge. Owing to the different compositions of elastomers and plastic materials, compatibility tests are indispensable before series application.

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 NCA 15
Tube 50 g	+
Cartridge 400 g	+
Can 1 kg	+
Bucket 25 kg	+

Product data	ISOFLEX NCA 15
Article number	004180
Chemical composition, type of oil	mineral oil
Chemical composition, type of oil	ester oil
Chemical composition, thickener	special calcium soap
Texture	short-fibred
Texture	homogeneous
Lower service temperature	-50 °C / -58 °F
Upper service temperature	120 °C / 248 °F
Colour space	beige
Density at 20 °C	approx. 0.94 g/cm³
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	265 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	295 x 0.1 mm

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Product data	ISOFLEX NCA 15
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 21 mm²/s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 4.5 mm²/s
Speed factor (n x dm)	approx. 1 300 000 mm/min
Shear viscosity at 25°C, shear rate 300 s-1, equipment:rotational viscometer, upper limit value	8 000 mPas
Shear viscosity at 25 °C, shear rate 300 s-1, equipment: rotational viscometer, lower limit value	3 500 mPas
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
Low-temperature torque, IP 186, -50 °C, start	<= 1 000 mNm
Low-temperature torque, IP 186, -50 °C, running	<= 120 mNm
Drop point, DIN ISO 2176, IP 396	>= 180 °C
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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