

# ISOFLEX® NCA 15

## Spindle bearing grease

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### Benefits for your application

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- 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
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### 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.

### Minimum shelf life

The minimum shelf life is approximately 36 months if the product is stored in its unopened original container in a dry, frost-free place.

### Pack sizes

- 50 g tubes
- 400 g cartridges
- 1 kg cans
- 25 kg buckets

### Material Safety Data Sheets

Material safety data sheets can be downloaded or requested via our website [www.klueber.com](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.



Product information

# ISOFLEX<sup>®</sup> NCA 15

## Spindle bearing grease



Product data	ISOFLEX <sup>®</sup> NCA 15
Oil type / thickener	mineral oil, ester oil, synth. hydrocarbon oil / special calcium soap
Service temperature range*, [°C] approx.	- 50 to 120
Colour	beige
Texture	homogeneous, short-fibred
Density at 20 °C, [g/cm <sup>3</sup> ] approx.	0.94
Worked penetration, DIN ISO 2137, at 25 °C, [0.1 mm]	265 – 295
Apparent dynamic viscosity, viscosity grade***	L / M
Base oil viscosity, DIN 51562 pt. 01 at 40 °C, [mm <sup>2</sup> /s], approx. at 100 °C, [mm <sup>2</sup> /s], approx.	24.5 4.7
Corrosion protection of lubricating greases, DIN 51802, (SKF-EMCOR), 1 week, distilled water, corrosion rating	≤ 1
Low temperature torque, IP 186, at -50 °C, starting torque, [mNm] at -50 °C, running torque, [mNm]	≤ 1,000 ≤ 100
Drop point, DIN ISO 2176, [°C]	≥ 180
Speed factor** (n x d <sub>m</sub> ), [mm/min], approx.	1,300,000

\* Service temperatures are guide values which depend on the lubricant's composition, the intended use and the application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on the mechano-dynamical loads, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

\*\* Speed factors are guide values which depend on the type and size of the rolling bearing type and the local operating conditions, which is why they have to be confirmed in tests carried out by the user in each individual case.

\*\*\* Klüber viscosity grades: EL = extra light lubricating grease; L = light lubricating grease; M = medium lubricating grease; S = heavy lubricating grease; ES = extra heavy lubricating grease

### Lubrication is our world

**With more than 2000 products available around the world, you can be sure that Klüber has the right product for your application. Please contact Klüber Lubrication specialists worldwide to assist you in all matters regarding lubrication.**

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