

# VARILUB NBU 15-300

Spindle bearing grease



## Benefits for your application

- Savings in costs for bearings due to the good corrosion and wear protection as well as pressure absorption capacity of the grease, therefore long service life and maintenance intervals
- Reduced wastewater disposal costs due to good water resistance resulting in a long service life and relubrication intervals
- Trouble-free operation of machines due to easy pumpability and metering in central lubrication systems

## Description

VARILUB NBU 15/300 is a high-speed grease with good pressure absorption properties. It consists of ester oil, synthetic hydrocarbon oil and mineral oil as well as a barium complex soap. VARILUB NBU 15/3000 offers good corrosion and wear protection, resistance to water and media as well as ageing and oxidation stability.

## Application

VARILUB NBU 15/300 has been especially developed for high-speed rolling and plain bearings, e.g. tool and textile spindle bearings, threaded spindles, ball screws subject to high loads, chassis bearings. It can also be used as long-term grease for bearings in cableways and precision engineering, or for the lubrication of tooth flanks in precision gears (e.g. bevel gears in milling machines, electromechanical actuators for valves).

## Application notes

The lubricant is applied by brush, spatula, grease gun or cartridge. Owing to the many different elastomer and plastic compositions their compatibility has to be checked prior to series applications.

The product can normally be applied by means of centralised lubricating systems. Please note, however, that due to different system configurations and application conditions the pumpability of the product has to be confirmed for each individual application. We will be pleased to provide assistance in this matter.

## Material safety data sheets

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

Pack sizes	VARILUB NBU 15/300
Cartridge 400 g	+
Can 1 kg	+

Product data	VARILUB NBU 15/300
Article number	004190
Chemical composition, type of oil	ester oil
Chemical composition, thickener	barium complex soap
Chemical composition, type of oil	synthetic hydrocarbon oil
Upper service temperature	130 °C / 266 °F
Lower service temperature	-30 °C / -22 °F
Colour space	beige
Texture	homogeneous
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	300 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	340 x 0.1 mm



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Product data	VARILUB NBU 15/300
Speed factor (n x dm)	approx. 1 000 000 mm/min
Shear viscosity at 25 °C, shear rate 300 s <sup>-1</sup> , equipment: rotational viscometer, lower limit value	2 000 mPas
Shear viscosity at 25°C, shear rate 300 s <sup>-1</sup> , equipment:rotational viscometer, upper limit value	5 000 mPas
Base oil viscosity at 40 °C, calculated value	approx. 23 mm <sup>2</sup> /s
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
Copper corrosion, DIN 51811, (lubricating grease), 24h/120 °C	1 - 120 corrosion degree
Drop point, DIN ISO 2176, IP 396	>= 220 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months

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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.

**Klüber Lubrication München SE & Co. KG / Geisenhausenerstraße 7 / 81379 München / Germany / phone +49 89 7876-0 / fax +49 89 7876-333.**

The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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