

STABURAGS NBU 4, 12

Lubricating greases with excellent wear resistance



Your benefits at a glance

- Good corrosion protection
- Good resistance to ambient media
- Excellent wear protection
- Good resistance to tribo-corrosion
- Good load-carrying capacity
- Good sealing effect

Your requirements - our solution

STABURAGS NBU 4, 12 are lubricating greases based on mineral oil and barium complex soap. These products are resistant to very high specific surface pressure, thus ensuring good wear protection. In addition, they are resistant to corrosion, water and many diluted alkaline and acid solutions

Application

STABURAGS NBU 4 has been used successfully on high-speed rolling bearings exposed to humidity or ambient media. It is suitable for rolls, spindles, cam rollers, tensioning rollers and motors.

STABURAGS NBU 12 is efficient on medium-speed rolling bearings subject to humidity or ambient media. It is used on water pumps, wheel bearings and motors; and in the textile industry, on all wet

processing equipment such as washing, mercerising and dyeing machines.

Application notes

These greases are applied by brush, spatula or conventional metering systems.

STABURAGS NBU 12 is also available in our automatic lubricant dispenser Klübermatic. Please consult the application engineering experts from Klüber Lubrication to determine whether Klübermatic might be used under the conditions in your processes.

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	STABURAGS NBU 4	STABURAGS NBU 12
Cartridge 400 g	+	+
Can 1 kg	+	+
Bucket 25 kg	+	+
Bucket 50 kg		+
Drum 180 kg	+	+

Characteristics	STABURAGS NBU 4	STABURAGS NBU 12
Article number	017050	017052
Composition, thickener	barium complex soap	barium complex soap

STABURAGS NBU 4, 12

Lubricating greases with excellent wear resistance



Characteristics	STABURAGS NBU 4	STABURAGS NBU 12
Composition, type of oil	mineral oil	mineral oil
Colour space	beige	brown
Service temperature, lower limit	-20 °C	-15 °C
Service temperature, upper limit	90 °C	130 °C
Service temperature, upper limit, in case of continuous lubrication	130 °C	
NSF H2 registration number		135689
Density, Klüber method: PN 024, 20°C	approx. 0.96 g/cm ³	approx. 0.99 g/cm ³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	245 0.1 mm	245 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	275 0.1 mm	275 0.1 mm
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹ , lower limit	6000 mPas	9000 mPas
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹ , upper limit	10000 mPas	15000 mPas
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 7 mm ² /s	approx. 19 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 46 mm ² /s	approx. 220 mm ² /s
Flow pressure, DIN 51805-2, -15°C		≤ 1600 mbar
Dropping point, DIN ISO 2176 / IP 396	≥ 220 °C	≥ 220 °C
Four-ball tester, welding load, DIN 51350-4	≥ 3000 N	≥ 3000 N
Speed factor (n x dm)	500000 mm/min	approx. 350000 mm/min
Water resistance, DIN 51807-1, 3 h, 90°C	≤ 1 - 90 rating	≤ 1 - 90 rating
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	60 months	60 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.

Klüber Lubrication München GmbH & 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.

Publisher and Copyright: Klüber Lubrication München GmbH & Co. KG. Reprints, total or in part, are permitted only prior consultation with Klüber Lubrication München GmbH & Co. KG and if source is indicated and voucher copy is forwarded.