

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
Composition, type of oil	mineral oil	mineral oil

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Characteristics	STABURAGS NBU 4	STABURAGS NBU 12
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 53000-1, based on standard / 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 53000-1, based on standard / 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 22286 / 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 95 years.

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