

STABURAGS NBU 4 MF, NBU 12 MF

High-performance lubricating greases for the long-term lubrication of rolling and plain bearings



Your benefits at a glance

- Good pressure resistance in bearings subject to high loads
- Long component life due to good wear protection
- Trouble-free operation due to good sealing and corrosion protection
- Less maintenance due to long-term lubrication
- Emergency lubricating properties for improved functionality in the case of starved lubrication

Your requirements - our solution

STABURAGS NBU 4 MF and STABURAGS NBU 12 MF are black lubricating greases based on mineral oil for rolling and plain bearings subject to high loads. The barium complex soap thickener ensures good adhesion of the grease to the lube point and thus good resistance to moisture and aggressive media. Both greases contain special solid lubricants based on MoS₂, which improve emergency lubrication properties under high temperatures or loads.

Application

STABURAGS NBU 4 MF has proven successful for the lubrication of high-speed rolling bearings in rolls, spindles, cam rollers and tensioning rollers. The grease is also used for bearings in compressors and deep drilling machines.

STABURAGS NBU 12 MF is used for highly loaded bearings, e.g. joints, spline shafts, couplings as well as pumps and electric motors, for example in wood drying chambers.

Both greases are also suitable for steel-on-steel material combinations in slideways and plain bearings.

Application notes

STABURAGS NBU 4 MF / 12 MF are applied by brush, spatula or grease gun. For application via central lubrication systems, pumpability should be checked with the manufacturer beforehand. The friction points can be cleaned with standard detergents.

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

Characteristics	STABURAGS NBU 4 MF	STABURAGS NBU 12 MF
Article number	017063	017065
Composition, solid lubricant	molybdenum disulphide	molybdenum disulphide
Composition, thickener	barium complex soap	barium complex soap
Composition, type of oil	mineral oil	mineral oil

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Characteristics	STABURAGS NBU 4 MF	STABURAGS NBU 12 MF
Colour space	black	black
Service temperature, lower limit	-20 °C	-15 °C
Service temperature, upper limit	130 °C	130 °C
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
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. 47 mm ² /s	approx. 220 mm ² /s
Copper corrosion, DIN 51811, 24 h, 100°C	1 - 100 - 24 corrosion degree	-
Copper corrosion, DIN 51811, 24 h, 120°C	-	1 - 120 - 24 corrosion degree
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 164 h	≤ 1 corrosion degree	0 corrosion degree
Dropping point, DIN ISO 22286 / IP 396	≥ 220 °C	≥ 220 °C
Four-ball tester, welding load, DIN 51350-4	approx. 4000 N	≥ 4500 N
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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