

CENTOPLEX 2, 3

Multi-purpose greases for rolling and plain bearings



Your benefits at a glance

- Long-term lubrication of simple applications
- Multi-purpose greases

Your requirements - our solution

CENTOPLEX 2 and 3 are multi-purpose greases based on oxidation-resistant mineral oils and lithium soap. They meet the rolling bearing grease requirements according to DIN 51825 K. Due to the good resistance to working under normal temperatures and loads these greases can be used for long-term lubrication. The more viscous CENTOPLEX of NLGI grade 3 is to be used for bearings with inclined or vertical shafts or insufficiently sealed bearings.

Application

CENTOPLEX 2 and CENTOPLEX 3 are used for rolling and plain bearings. When used for long-term lubrication, temperatures at the friction point should be < 70 °C. The greases can be used up to their maximum service temperature of 130 °C provided fresh grease is constantly fed to the friction point. We would be pleased to provide more detailed information on relubrication intervals and quantities.

CENTOPLEX 2 and 3 are also suitable for the lubrication of toothed and worm gears, guides and threaded spindles. CENTOPLEX 2 and 3 can be used for all applications where standard greases based on mineral oil and lithium soap acc. to DIN 51825 are used.

Application notes

CENTOPLEX 2 and 3 can be applied by grease gun, brush or spatula. If a fully-automatic lubrication system is available for relubrication, CENTOPLEX 2 should be used. For initial lubrication CENTOPLEX 2 or CENTOPLEX 3 can be used depending on the bearing seal.

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	CENTOPLEX 2	CENTOPLEX 3
Cartridge 370 g	+	
Cartridge 400 g	+	+
Can 1 kg	+	+
Bucket 25 kg	+	+
Bucket 50 kg	+	
Drum 180 kg	+	+

Characteristics	CENTOPLEX 2	CENTOPLEX 3
Article number	020062	020060
Composition, thickener	lithium soap	lithium soap
Composition, type of oil	mineral oil	mineral oil
Appearance	almost transparent	almost transparent

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Characteristics	CENTOPLEX 2	CENTOPLEX 3
Colour space	brown	brown
Texture	homogeneous	fibrous , homogeneous
Service temperature, lower limit	-30 °C	-15 °C
Service temperature, upper limit	130 °C	130 °C
Density, Klüber method: PN 024, 20°C	approx. 0.9 g/cm ³	
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	265 0.1 mm	220 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	295 0.1 mm	250 0.1 mm
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 10 mm ² /s	approx. 10 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 100 mm ² /s	approx. 100 mm ² /s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree	≤ 1 corrosion degree
Oil separation, DIN 51817 N, 168 h, 40°C	≤ 5 % by weight	≤ 2 % by weight
Dropping point, DIN ISO 2176 / IP 396	≥ 190 °C	≥ 190 °C
Speed factor (n x dm)	approx. 500000 mm/min	approx. 400000 mm/min
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months	36 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.

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