CENTOPLEX DL

Low-temperature greases for rolling and plain bearings

Your benefits at a glance

- Low-temperature greases
- Dynamically light
- Long-term lubrication of simple applications
- Multi-purpose greases
- Excellent corrosion protection

Your requirements - our solution

CENTOPLEX 1 DL/2 DL are low-temperature greases based on an oxidation-resistant mineral oil and a lithium-calcium soap. Due to the good resistance to working under normal temperatures and loads these greases can be used for long-term lubrication.

Application

CENTOPLEX 1 DL/2 DL can be used as low-temperature greases in rolling and plain bearings as well as lubrication points subject to low torques and/or high speeds. These greases have also proven effective for the lubrication of locks in vehicles, windshield wipers and small gears. CENTOPLEX 2 DL is also suitable for the lubrication of freewheels. When used for long-term lubrication, temperatures at the friction point should be < 70 °C. We would be pleased to provide more detailed information on relubrication intervals and quantities.

Application notes

CENTOPLEX 1 DL/2DL can be applied by grease gun, brush or spatula. Pumpability in central lubrication systems is to be checked with the manufacturer. Conventional agents can be used for cleaning the bearings.

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

Characteristics	CENTOPLEX 1 DL	CENTOPLEX 2 DL
Article number	020123	020007
Composition, thickener	lithium-calcium soap	lithium-calcium soap
Composition, type of oil	mineral oil	mineral oil
Colour space	beige	beige
Service temperature, lower limit	-45 °C	-40 °C

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Characteristics	CENTOPLEX 1 DL	CENTOPLEX 2 DL
Service temperature, upper limit	80 °C	80 °C
Density, Klüber method: PN 024, 20°C	approx. 0.87 g/cm³	approx. 0.9 g/cm³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	310 0.1 mm	265 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	340 0.1 mm	295 0.1 mm
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 3 mm²/s	approx. 3 mm²/s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 14 mm²/s	approx. 14 mm²/s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	0 corrosion degree	0 corrosion degree
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 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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