

# CENTOPLEX 2, 3

Multi-purpose greases for rolling and plain bearings



## Benefits for your application

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

## Description

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](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	CENTOPLEX 2	CENTOPLEX 3
Cartridge 400 g	+	+
Can 1 kg	+	+
Bucket 25 kg	+	+
Drum 180 kg	+	+

Product data	CENTOPLEX 2	CENTOPLEX 3
Article number	020062	020060
Chemical composition, type of oil	mineral oil	mineral oil
Chemical composition, thickener	lithium soap	lithium soap
Lower service temperature	-30 °C / -22 °F	-15 °C / 5 °F
Upper service temperature	130 °C / 266 °F	130 °C / 266 °F
Colour space	brown	brown
Appearance	almost transparent	almost transparent
Texture	homogeneous	homogeneous
Texture		fibrous



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Product data	CENTOPLEX 2	CENTOPLEX 3
Density at 20 °C	approx. 0.90 g/cm <sup>3</sup>	
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	265 x 0.1 mm	220 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	295 x 0.1 mm	250 x 0.1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 100 mm <sup>2</sup> /s	approx. 100 mm <sup>2</sup> /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 10 mm <sup>2</sup> /s	approx. 10 mm <sup>2</sup> /s
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree	<= 1 corrosion degree
Oil separation, DIN 51817 N, after 7 d/40 °C	<= 5 % by weight	<= 2 % by weight
Drop point, DIN ISO 2176, IP 396	>= 190 °C	>= 190 °C
Speed factor (n x dm)	approx. 500 000 mm/ min	approx. 400 000 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 80 years.

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