

Klübersynth DB 2

Synthetic impregnating oils for sintered metal plain bearings



Your benefits at a glance

- Longer service life due to good ageing resistance
- Wide range of application due to high thermal stability
- Smooth running oils
- Individual range of applications due to several oil viscosities
- High reliability and maintenance-free application due to lifetime lubrication
- Versatile uses due to good corrosion protection

Your requirements - our solution

Klübersynth DB 2 oils are synthetic lubricants based on a mixture of ester oil and synthetic hydrocarbons. They are intended for use in both low and high-temperature applications. Silicone is not used in the formulation of the products. With their additives and their particular composition, these oils can be used in a wide temperature range. The excellent anticorrosive effect of Klübersynth DB 2 oils enables trouble-free operation of both iron and bronze bearings.

Application

Klübersynth DB 2 oils were developed for the lubrication of sintered metal plain bearings used in precision engineering, electrical engineering, the automotive sector and household appliances.

Application notes

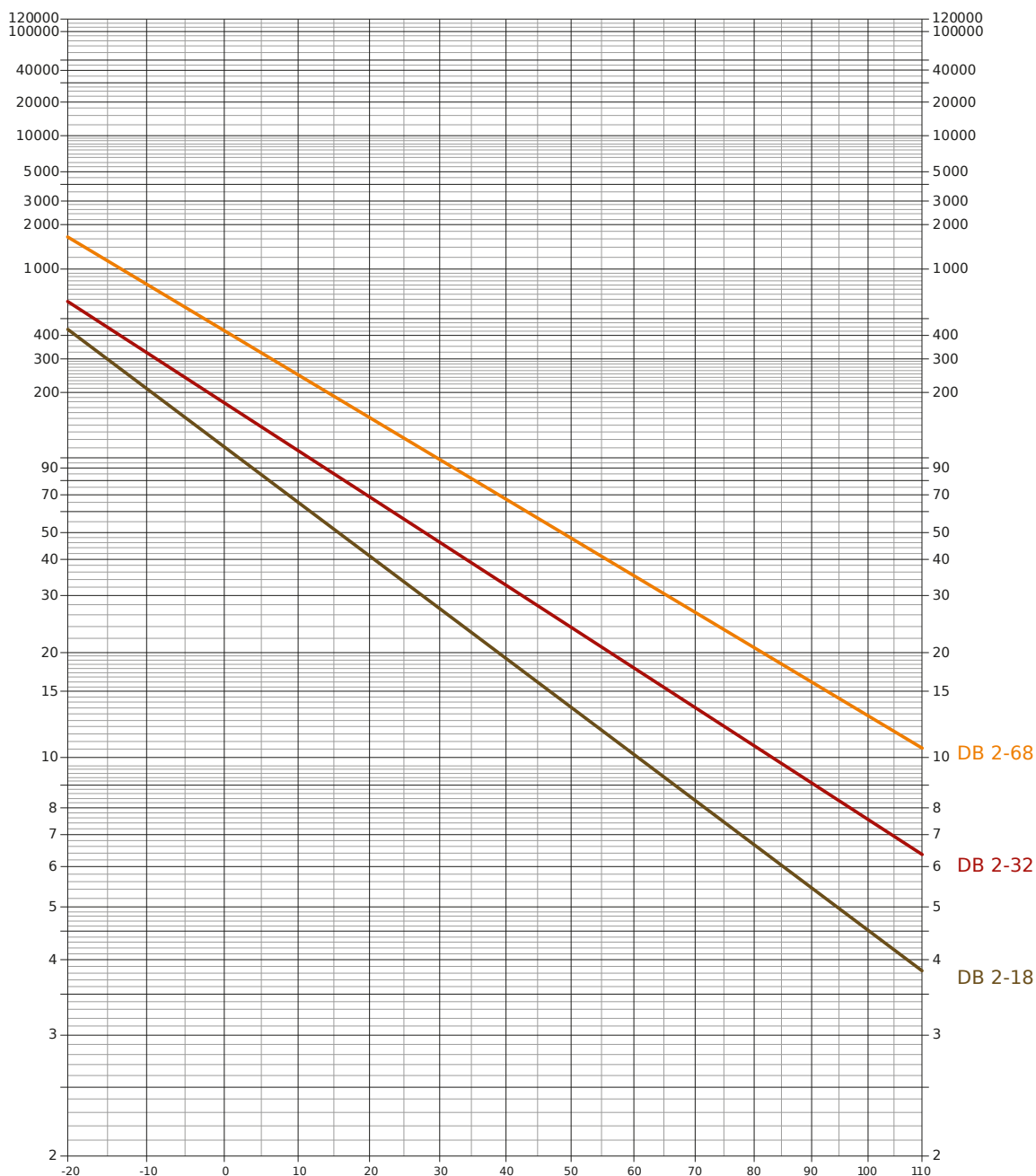
The pores of sintered metal plain bearings are filled with Klübersynth DB 2 oils by means of vacuum immersion.

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.

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Pack sizes	Klübersynth DB 2-18	Klübersynth DB 2-32	Klübersynth DB 2-68
Canister 1 l	+	+	+

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Pack sizes	Klübersynth DB 2-18	Klübersynth DB 2-32	Klübersynth DB 2-68
Canister 20 l	+	+	+
Drum 200 l	+	+	+

Characteristics	Klübersynth DB 2-18	Klübersynth DB 2-32	Klübersynth DB 2-68
Article number	028090	028082	028077
Composition, type of oil	ester oil , synthetic hydrocarbon oil	ester oil , synthetic hydrocarbon oil	ester oil , synthetic hydrocarbon oil
Colour space	brown	brown	brown
Service temperature, lower limit	-45 °C	-45 °C	-40 °C
Service temperature, upper limit	150 °C	150 °C	150 °C
Density, DIN 51757, 20°C	approx. 0.91 g/cm ³	approx. 0.91 g/cm ³	approx. 0.92 g/cm ³
Refractive index, DIN 51423-2 / ASTM 1218, 20°C	approx. 1.455	approx. 1.457	approx. 1.460
ISO viscosity grade, DIN ISO 3448, ISO VG		32	68
Kinematic viscosity, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 4.5 mm ² /s	approx. 7.5 mm ² /s	approx. 13 mm ² /s
Kinematic viscosity, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 18 mm ² /s	approx. 32 mm ² /s	approx. 68 mm ² /s
Viscosity index, DIN ISO 2909	≥ 100	≥ 180	≥ 195
Pour point, DIN ISO 3016	≤ -45 °C	≤ -45 °C	≤ -45 °C
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	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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