

Klübersynth DB 4-18

Synthetic impregnating oil for sintered metal plain bearings



Your benefits at a glance

- Low evaporation rate due to revised base oil concept
- Improved low-temperature behaviour prevents creaking noises
- Longer service life due to good oxidation and ageing resistance
- High reliability and maintenance-free operation due to lifetime lubrication
- Developed in cooperation with well-known OEMs
- Enables energy savings due to low starting and running torques

Your requirements - our solution

In the automotive industry, as well as in the production of other industrial and consumer goods, sintered metal plain bearings often have to satisfy a variety of requirements. Klübersynth DB 4-18 fully synthetic oil offers a solution matching the needs of sintered metal plain bearings requiring long-term lubrication under arduous conditions.

Advanced speciality lubricants can provide lifetime lubrication over a wide service temperature range, with added reserve capacity for low temperatures.

The product's shear viscosity was intentionally reduced to improve the prevention of creaking noises at low temperature without impairing performance at high temperatures.

The excellent anticorrosive effect of Klübersynth DB 4-18 enables trouble-free operation in high humidity. Klübersynth DB 4-18 is also characterised by its added reserve capacity in the upper service temperature range, both when used in iron or bronze bearings.

Application

Klübersynth DB 4-18 is intended 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 4-18 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.

Pack sizes	Klübersynth DB 4-18
Canister 1 l	+
Canister 20 l	+

Product data	Klübersynth DB 4-18
Article number	028120
Chemical composition, type of oil	synthetic hydrocarbon oil
Lower service temperature	-60 °C / -76 °F
Upper service temperature	130 °C / 266 °F
Colour space	yellow
Density, DIN 51757, 20 °C	approx. 0.82 g/cm ³
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 18 mm ² /s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 4.07 mm ² /s



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Product data	Klübersynth DB 4-18
Viscosity index, DIN ISO 2909	>= 120
Refraction index, DIN 51423 pt. 02, at 20 °C	approx. 1.458
Pour point, DIN ISO 3016	<= -60 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	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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