

Klüberplex SK 12

Special lubricating grease for plain bearings



Your benefits at a glance

- Less maintenance due to long-term lubrication
- Reliable function and sealing against dust and dirt
- Versatile application even under high loads and low speeds
- Long component life due to high wear and corrosion protection
- Tried and tested for many bronze plain bearings, good compatibility with nonferrous metals
- Also suitable for relubrication; miscible with many commercial bearing greases

Your requirements - our solution

Klüberplex SK 12 is a semi-synthetic long-term grease for a wide service temperature range. It offers a high pressure absorption capacity at low speeds. The special barium complex soap thickener ensures good adhesion on the component and resistance to aggressive media. The additives contained in Klüberplex SK 12 enhance wear protection.

Application

Klüberplex SK 12 has been especially designed for lubrication of bronze plain bearings, e.g. Wieland-B09 (CuSn8). The performance of Klüberplex SK 12 is of particular importance for sliding elements and plain bearing bushes subject to low sliding speeds or oscillations in the mixed friction regime.

Typical applications are joints and self-aligning bearings in building machines or agricultural and forestry vehicles. An extension of relubrication intervals is possible as Klüberplex SK 12 forms a

lubricant depot in the plain bearing through lubricating pockets, grooves or holes. The grease can also be used for rolling bearings subject to high loads and speeds up to approx. 100,000 mm/min.

Application notes

Klüberplex SK 12 is applied by means of spatula, brush or grease gun. For application via automatic lubricating systems, pumpability should be checked beforehand. Prior to series application we recommend testing the miscibility with other lubricants or anticorrosion agents.

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	Klüberplex SK 12
Cartridge 400 g	+
Can 1 kg	+
Bucket 25 kg	+
Characteristics	Klüberplex SK 12
Article number	004260
Composition, thickener	barium complex soap
Composition, type of oil	mineral oil , synthetic hydrocarbon oil

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Characteristics	Klüberplex SK 12
Colour space	beige
Service temperature, lower limit	-40 °C
Service temperature, upper limit	140 °C
Density, Klüber method: PN 024, 20°C	approx. 0.93 g/cm ³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	310 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	340 0.1 mm
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹ , lower limit	4000 mPas
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹ , upper limit	8000 mPas
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 43 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 500 mm ² /s
Flow pressure, DIN 51805-2, -40°C	≤ 1400 mbar
Dropping point, DIN ISO 2176 / IP 396	≥ 220 °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 90 years.

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