Wilhelmsen Ships Service

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KLUBERPLEX BEM 34-132 – PACK. KLUBERMATIC FLEX (BOX: 10x60 ML)

Product group: **686** Product number: **210085**

Klüberplex BEM 34-132 is a speciality rolling bearing grease for demanding applications.



Product information

Klüberplex BEM 34-132 is a speciality rolling bearing grease for demanding applications. Klübermatic FLEX is a compact, ready-to-use lubricator. It can be used for diverse applications at temperatures between −20 °C and +60 °C. The lubrication interval can be selected in monthly increments between 1 and 12 months. An electronically controlled chemical reaction generates the pressure to ensure continuous fresh lubricant supply to the lubrication point at set intervals. Klübermatic FLEX is available in volumes of 30, 60 and 125 cm³. Klübermatic FLEX is particularly suitable for single-point lubrication in rolling and plain bearings, slideways, open gears, toothed racks, shaft seals and chains. The lubrication system is dust-tight and protected against splash water (according to IP 68).

Features

• Klüberplex BEM 34-132 is used for ball bearings and linear guides, ball screws subject to oscillating motion, high loads and vibration. These may typically be found in: hub units (wheel bearings), shock absorber bearings, water.

• Klüberplex BEM 34-132 is also suitable as sealing grease for rolling bearings due to its excellent media resistance. The product has good resistance to water and steam and presents as well good performance in presence of dilute alkali and acid solutions.

Benefits

- Reliable operation and long-standing experience in the long-term lubrication of highly loaded rolling bearings
- Longer service life of rolling bearings due to good wear protection, also under vibration and oscillation
- Long service life due to excellent corrosion protection and media resistance

Specification

General

Suggested Inventory Hazard Material classification	C-3

Physical properties

Colour	Beige
Density at 20°C [g/cm³]	approx. 0.9 (Klüber method: PN 024, 20°C)
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C [mm²/s]	approx. 15.5
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C [mm²/s]	approx. 130
Lubricating greases -K, DIN 51825 in connection with DIN 51502	KPHC2N-30L
NLGI grade, DIN 51818	2

Technical data

Chemical composition, thickener	calcium complex soap
Chemical composition, type of oil	mineral oil , synthetic hydrocarbon oil
Flow pressure of lubricating greases, DIN 51805-2, test temperature: -30 °C [mbar]	≤ 1600
Shelf life [months]	24
Speed factor (n x dm)	approx. 1000000 mm/min

Performance data

Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	≤ 1 corrosion degree (Klüber method: distilled water, 168 h)
Drop point, DIN ISO 2176, IP 396 [°C]	≥ 220
FAG FE9 rolling bearing tester, DIN 51821 pt. 02, speed: 6000 min-1, axial load: 1500 N, temperature: 150 °C, service life F50 [h]	≥ 100 h
Low-temperature torque, IP 186, -40 °C, running [mNm]	≤ 100 (-35 deg C)
Low-temperature torque, IP 186, -40 °C, start [mNm]	≤ 1000 (-35 deg C)
Lower service temperature	-35
Upper service temperature	140
Worked penetration, DIN ISO 2137, 25 °C, lower limit value [mm]	265 0.1
Worked penetration, DIN ISO 2137, 25 °C, upper limit value [mm]	295 0.1

Documents

SDoC and MD for IHM

Directions for use

For the Klübermatic FLEX automatic lubricant dispenser, the maximum recommended pipe length is 1 meter. We recommend checking the pumpability of Klüberplex BEM 34-132 in automatic lubrication systems prior to use.

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