Wilhelmsen Ships Service

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# KLÜBERPLEX BEM 41-132 25 KG

Product group: **686** Product number: **210064**

KLÜBERPLEX BEM 41-132 is a high-temperature, long-term grease for rolling bearings. Supported by a wide operating temperature range, it comes with excellent oxidation, wear and corrosion resistance, keeping your bearings well-protected and easy to maintain.

## Product information

Rolling bearings are prone to damage when there is consistent friction and chafing. In less severe cases, your bearings may suffer simple scratches and surface roughening. But in more costly ones, complete bearing failure occurs. Thereupon, KLÜBERPLEX BEM41-132 was developed with synthetic hydrocarbon oil, mineral oil and a special lithium soap, formulated to safeguard your rolling bearings from such damage -- and keep them running safely and reliably for you.

KLÜBERPLEX BEM41-132 includes special additives that offer it excellent oxidation resistance, protecting from degradation that oxidation brings about. Moreover, these select ingredients also serve to defend your rolling bearings against wear and corrosion. Expect to enjoy longer service lives of your parts and reduced maintenance costs for you.

Since the operating temperature of your rolling bearings is subject to both internal friction and external environmental conditions, the ideal lubricant is also one that is versatile and adept at handling a wide range of temperatures. KLÜBERPLEX BEM41-132 is supported with a wide operating temperature range and is suitable for high-temperature applications.

Features

- Good high-temperature behaviour
- Oxidation resistance
- Wear and corrosion protection
- Optimised oil release
- Long-term lubricant

Benefits

- Protects your rolling bearings from damage by oxidation
- Protects your rolling bearings from corrosion
- Protects your rolling bearings from chafing and wear
- Extends service lives of your parts
- Reduces maintenance needs

## Specification

General

| | |
|---|---|
| **Invent Hazard Material (IMO/EU) classification** | C-30 |

Physical properties

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|---|---|
| **Colour** | Yellow |
| **Density at 20°C [g/cm³]** | ~ 0.90 |
| **Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C [mm²/s]** | ~ 14 |
| **Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C [mm²/s]** | ~ 120 |
| **Lubricating greases -K, DIN 51825 in connection with DIN 51502** | KPHC2N-30L |

Dimensions/Weight

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|---|---|
| **Packing Size** | 25 kg |

Technical data

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|---|---|
| **Chemical composition, thickener** | Special lithium soap |
| **Chemical composition, type of oil** | Synthetic hydrocarbon oil, mineral oil |
| **Shelf life [months]** | 36 |
| **Speed factor (n x dm)** | ~ 1 000 000 mm/min |

Performance data

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|---|---|
| **Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water** | ≤1 corrosion degree |
| **Drop point, DIN ISO 2176, IP 396 [°C]** | ≥250 |
| **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 |
| **Low-temperature torque, IP 186, -40 °C, running [mNm]** | ≤200 |
| **Low-temperature torque, IP 186, -40 °C, start [mNm]** | ≤1000 |
| **Lower service temperature** | -40°C / -40°F |
| **Oil separation, DIN 51817 N, after 7 d/40 °C** | ≤4% by weight |
| **Upper service temperature** | 150°C / 302°F |
| **Worked penetration, DIN ISO 2137, 25 °C, lower limit value [mm]** | 265 x 0.1 |
| **Worked penetration, DIN ISO 2137, 25 °C, upper limit value [mm]** | 295 x 0.1 |

## Documents

SDoC and MD for IHM

## Directions for use

KLÜBERPLEX BEM 41-132 is suitable for the long-term or lifetime lubrication of rolling bearings. You may use it for rolling bearings with a high degree of sliding friction (e.g. tapered, cylinder or spherical roller bearings) or for life-lubricated deep groove ball bearings and rolling bearings. It is also appropriate to use for rolling bearings in vehicle components.

Apply KLÜBERPLEX BEM 41-132 with a spatula, brush, or grease gun. If you would like to use an automatic lubricating system, please check the pumpability beforehand.

We also recommend that you test the compatibility of KLÜBERPLEX BEM 41-132 with the materials it will contact.