

Klüberplex BEM 41-141

Lubricant for rolling and plain bearings subject to high loads

Benefits for your application

- **Trouble-free operation due to wide service temperature range, good lubricant pumpability and precise metering in central lubrication systems***
 - **Longer service life of rolling bearings due to high wear protection even under vibrations**
 - **Higher reliability of wind power stations due to good grease distribution and oil separation**
 - **Low frictional resistance and reduction of component temperature**
 - **Low wear due to special additives**
 - **Easy changeover to Klüberplex BEM 41-141 as the lubricant is miscible with other greases*****
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Description

Klüberplex BEM 41-141 has been especially designed for rolling bearings in wind power stations.

Klüberplex BEM 41-141 offers high pressure and wear stability. It is free of inorganic solid lubricants like MoS₂ or graphite.

Due to the good compatibility with commercial sealing materials Klüberplex BEM 41-141 is suitable for many applications.

Application

- Initial and relubrication of rotor bearings in wind power stations
- Relubrication of generator bearings
- Constant velocity joints in lateral and longitudinal shafts of vehicles
- Rolling and plain bearings subject to high loads, vibrations and oscillations.

Application notes

Klüberplex BEM 41-141 can be applied by means of brush, spatula, grease gun, usual metering systems, automatic low-quantity systems, grease cartridge or central lubrication systems (single-line systems)*.

Minimum shelf life

The minimum shelf life is approx. 24 months if the product is stored in its unopened original container in a dry, frost-free place.

Pack sizes

370 g cartridge
1 kg can
25 kg bucket
170 kg drum

Compatibility with elastomers

Owing to the many different elastomer and plastic compositions their compatibility has to be checked prior to series applications.

Material safety data sheets

Material safety data sheets can be downloaded or requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

* The product can normally be applied by means of centralised lubricating systems. Please note, however, that due to different system configurations and application conditions the pumpability of the product has to be confirmed for each individual application. We will be pleased to provide assistance in this matter.



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Product data	Klüberplex BEM 41-141
Oil type	synthetic hydrocarbon oil, mineral oil
Thickener	lithium complex soap
Service temperature range**, [°C]	-40 to 150
Colour	yellow
Density at 20 °C, [g/cm ³], approx.	0.88
Consistency, DIN 51818, NLGI	1
Worked penetration, DIN ISO 2137, [0.1 mm]	310 - 340
Base oil viscosity, DIN 51562 pt. 01 at 40 °C, [mm ²], approx. at 100 °C, [mm ²], approx.	130 14
Corrosion protection (Emcor-Test), DIN 51802, 1 week, distilled water	≤ 1
Flow pressure, DIN 51805, at -35 °C, [mbar]	< 1400
Drop point, DIN ISO 2176, [°C]	> 250

** Service temperatures are guide values which depend on the lubricant's composition, the intended use and the application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on the mechano-dynamical loads, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

*** Miscibility should be checked at Klüber Lubrication in each individual case.

Lubrication is our world

With more than 2000 products available around the world, you can be sure that Klüber has the right product for your application. Please contact Klüber Lubrication specialists worldwide to assist you in all matters regarding lubrication.

www.klueber.com

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