

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**

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).

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.

Miscibility with other greases should be checked at Klüber Lubrication in each individual case.

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.

Pack sizes	Klüberplex BEM 41-141
Cartridge 370 g	+
Can 1 kg	+
Bucket 25 kg	+
Drum 170 kg	+



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Product data	Klüberplex BEM 41-141
Article number	020320
Lower service temperature	-40 °C / -40 °F
Upper service temperature	150 °C / 302 °F
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	340 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	310 x 0.1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 130 mm ² /s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 14 mm ² /s
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, upper limit value	4 000 mPas
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, lower limit value	2 000 mPas
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
Drop point, DIN ISO 2176	>= 250 °C
Colour space	yellow
Chemical composition, thickener	special lithium soap
Chemical composition, type of oil	synthetic hydrocarbon oil
Chemical composition, type of oil	mineral oil
Density at 20 °C	approx. 0.88 g/cm ³
Flow pressure of lubricating greases, DIN 51805, test temperature: -35 °C	<= 1 400 mbar
NLGI grade, DIN 51818	1
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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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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