

Klüberplex BEM 34-131 N

Speciality rolling bearing grease for demanding applications



Your benefits at a glance

- Increased reliability of wind turbine generators due to excellent corrosion protection, good resistance to weather and a wide service temperature range
- Longer service life of rolling bearings due to good wear protection, also under vibration and oscillation
- Reliable operation due to good pumpability and metering via centralised lubrication systems
- Low frictional resistance, reduced wear and component temperature due to excellent lubricity

Your requirements - our solution

In wind turbine generators, the lifetime of rolling bearings and service intervals can be extended with the right lubricant. Klüberplex BEM 34-131 N is a long-term lubricating grease offering high load-carrying capacity and very good corrosion protection. Also during downtime. Klüberplex BEM 34-131 N enables long grease life and is compatible with various lubrication systems.

Application

Klüberplex BEM 34-131 N is used for the lubrication of generator bearings in wind turbines. It can also be used for rolling bearings subject to oscillation, high loads and vibration. Klüberplex BEM 34-131 N is a grease for long-term or lifetime lubrication of different rolling bearing types and applications subject to various operating conditions.

These may be found in:

Hub units (wheel bearings in cars), shock absorber bearings, fans, electric motors, water pumps, paper-making machines (wet-processing zone), conveyors, universal joint bushes, linear guides and ball screws subject to micro movement.

Application notes

Klüberplex BEM 34-131 N can be applied by means of brush, spatula, grease gun, grease metering gun, automatic low-quantity or standard metering systems, grease cartridge, and centralised lubrication systems. We recommend conducting a metering test in the original dosing device under practical operating conditions.

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 BEM 34-131 N
Cartridge 400 g	+
Can 1 kg	+
Bucket 25 kg	+
Drum 180 kg	+

Product data	Klüberplex BEM 34-131 N
Article number	017181
Lubricating greases -K, DIN 51825 in connection with DIN 51502	KPHC1N-30L
Chemical composition, type of oil	mineral oil
Chemical composition, type of oil	synthetic hydrocarbon oil
Chemical composition, thickener	calcium complex soap
Lower service temperature	-35 °C / -31 °F
Upper service temperature	150 °C / 302 °F



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Product data	Klüberplex BEM 34-131 N
Colour space	yellow
Density at 20 °C	approx. 0.90 g/cm ³
NLGI grade, DIN 51818	1
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 134 mm ² /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 16 mm ² /s
Low-temperature torque, IP 186, -35 °C, running	<= 100 mNm
Low-temperature torque, IP 186, -35 °C, start	<= 1 000 mNm
Drop point, DIN ISO 2176, IP 396	>= 220 °C
Flow pressure of lubricating greases, DIN 51805, test temperature: -30 °C	<= 1 400 mbar
Speed factor (n x dm)	approx. 1 000 000 mm/min
Testing of lubricating greases on FAG FE9 rolling bearing tester, DIN 51821 pt. 02, speed: 6000 min ⁻¹ , axial load: 1500 N, temperature: 150 °C, service life F50:	>= 100 h
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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