

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	+
Bellow 5 kg	+
Bucket 25 kg	+
Bucket 50 kg	+
Drum 180 kg	+

Characteristics	Klüberplex BEM 34-131 N
Article number	017181

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Characteristics	Klüberplex BEM 34-131 N
Composition, thickener	calcium complex soap
Composition, type of oil	mineral oil, synthetic hydrocarbon oil
Colour space	yellow
Service temperature, lower limit	-35 °C
Service temperature, upper limit	150 °C
Lubricating greases - K, DIN 51825@DIN 51502	KPHC1N-30L
Density, Klüber method: PN 024, 20°C	approx. 0.9 g/cm ³
NLGI grade, DIN 51818	1
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	310 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	340 0.1 mm
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 16 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 134 mm ² /s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree
Flow pressure, DIN 51805-2, -30°C	≤ 1400 mbar
Low temperature torque, IP 186, -35°C, running torque	≤ 100 mNm
Low temperature torque, IP 186, -35°C, starting torque	≤ 1000 mNm
Dropping point, DIN ISO 2176 / IP 396	≥ 220 °C
FAG FE9 rolling bearing test, DIN 51821-2, 1500 / 6000-150, service life F50	≥ 100 h
Speed factor (n x dm)	approx. 1000000 mm/min
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 90 years.

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