

Klüberplex BEM 34-132

Speciality rolling bearing grease for demanding applications



Your benefits at a glance

- Reliable operation and long-standing experience in the long-term lubrication of highly loaded rolling bearings
- Longer service life of rolling bearings due to good wear protection, also under vibration and oscillation
- Long service life due to excellent corrosion protection and media resistance

Your requirements - our solution

Operators of applications subject to vibration at rest, e.g. wheel bearings of motor vehicles, expect long lubricating grease life and good wear protection. Premature component failure can only be prevented by an appropriate lubricant offering good wear protection and oil release properties. Klüberplex BEM 34-132 has been tested and proven in such applications for many years.

Application

Klüberplex BEM 34-132 is used for ball bearings and linear guides, ball screws subject to oscillating motion, high loads and vibration.

These may typically be found in:

- hub units (wheel bearings), shock absorber bearings, water pump bearings and cardan joint bushes in vehicles
- guides in machine tools and working machines
- linear bearings in wet processing zones of textile machines, paper-making machines, conveyors and pumps

Klüberplex BEM 34-132 is also suitable as sealing grease for rolling bearings due to its excellent media resistance. The product has good resistance to water and steam and presents as well good performance in presence of dilute alkali and acid solutions.

Application notes

Klüberplex BEM 34-132 can be applied by spatula, brush or by manually operated grease guns.

We recommend checking the pumpability of Klüberplex BEM 34-132 in automatic lubrication systems prior to use and using Klüberplex BEM 34-131 N for relubrication, in particular with long lubrication pipes; see separate product information leaflet.

This product is also available in our automatic lubricant dispenser Klübermatic. Please consult the application engineering experts from Klüber Lubrication to determine whether Klübermatic might be used under the conditions in your processes.

Resistance to water and media

Klüberplex BEM 34-132 is resistant to water and steam up to 130 °C and many dilute alkali solutions and acids, e.g.

- 10% caustic potash solution up to 90 °C,
 - 10% sulphuric acid up to 70 °C,
 - 10% nitric acid up to 40 °C,
 - 1% hydrochloric acid up to 40 °C
- (test based on DIN 51 807, pt.1 with V 2 A steel strips)

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 34-132
Cartridge 400 g	+
Can 1 kg	+
Bucket 25 kg	+

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Pack sizes	Klüberplex BEM 34-132
Bucket 50 kg	+
Drum 180 kg	+
Characteristics	Klüberplex BEM 34-132
Article number	017141
Composition, thickener	calcium complex soap
Composition, type of oil	mineral oil , synthetic hydrocarbon oil
Colour space	beige
Service temperature, lower limit	-35 °C
Service temperature, upper limit	140 °C
Lubricating greases - K, DIN 51825@DIN 51502	KPHC2N-30L
Density, Klüber method: PN 024, 20°C	approx. 0.9 g/cm ³
NLGI grade, DIN 51818	2
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	265 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	295 0.1 mm
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 15.5 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 130 mm ² /s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree
Flow pressure, DIN 51805-2, -30°C	≤ 1600 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 / 6000-140, 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

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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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