

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 solutions

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.

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.

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.

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)

Application notes

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

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
Can 1 kg	+
Bucket 25 kg	+
Drum 180 kg	+
Cartridge Copolyester Klübermatic STAR 120 ml	+
Cartridge Copolyester Klübermatic STAR 250 ml	+

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Product data	Klüberplex BEM 34-132
Article number	017141
Lubricating greases -K, DIN 51825 in connection with DIN 51502	KPHC2N-30L
Chemical composition, type of oil	mineral oil
Chemical composition, type of oil	synthetic hydrocarbon oil
Chemical composition, thickener	calcium complex soap
Colour space	beige
Lower service temperature	-35 °C / -31 °F
Upper service temperature	140 °C / 284 °F
NLGI grade, DIN 51818	2
Drop point, DIN ISO 2176, IP 396	>= 220 °C
Density at 20 °C	approx. 0.90 g/cm ³
Flow pressure of lubricating greases, DIN 51805-2, test temperature: -30 °C	<= 1 600 mbar
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	265 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	295 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 of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 15.5 mm ² /s
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
Low-temperature torque, IP 186, -35 °C, running	<= 100 mNm
Low-temperature torque, IP 186, -35 °C, start	<= 1 000 mNm
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 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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