

# 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.

## 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.

## 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.

## 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](http://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	+

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

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Product data	Klüberplex BEM 34-132
Chemical composition, thickener	calcium complex soap
Lower service temperature	-35 °C / -31 °F
Upper service temperature	140 °C / 284 °F
Colour space	beige
NLGI grade, DIN 51818	2
Density at 20 °C	approx. 0.90 g/cm <sup>3</sup>
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 <sup>2</sup> /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 15.5 mm <sup>2</sup> /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
Drop point, DIN ISO 2176, IP 396	>= 220 °C
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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