

# MICROLUBE GB 0

Universal high-performance lubricant



## Your benefits at a glance

- Universal high-performance lubricant
- High pressure absorption capacity
- Good wear protection
- Good anticorrosion behaviour
- Pumpable through centralized systems

## Your requirements - our solution

MICROLUBE GB 0 is a special mineral oil based lubricant. It has a high pressure absorption capacity, provides excellent protection against wear and corrosion, and shows a good wetting behaviour and water resistance.

## Application

MICROLUBE GB 0 was especially developed for friction points subject to high loads and mixed friction conditions. It is a universal grease suitable for the lubrication of eccentric presses (e.g. make Müller-Weingarten), heavy-duty spur and bevel gears with steel/steel components (e.g. gear motors that are not oiltight), slideways, guides and sump lubricated rolling bearings.

## Application notes

MICROLUBE GB 0 is applied by brush, spatula, grease gun or centralized lubrication system. Immersion lubrication of gears is possible up to a peripheral speed of approx. 3 m/s or via forced-feed lubrication.

## Material safety data sheets

Material safety data sheets can be requested via our website [www.klueter.com](http://www.klueter.com). You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	MICROLUBE GB 0
Cartridge 400 g	+
Cartrigde 400 g	+
Can 1 kg	+
Bucket 25 kg	+
Drum 180 kg	+

Characteristics	MICROLUBE GB 0
Article number	020232
Appearance	transparent
Colour space	red
Texture	homogeneous
Density, Klüber method: PN 024, 20°C	approx. 0.9 g/cm³

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## Characteristics

## MICROLUBE GB 0

Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	355 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	385 0.1 mm
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s <sup>-1</sup>	approx. 3000 mPas
Kinematic viscosity of the base oil, 100°C, calculated data	approx. 31.5 mm <sup>2</sup> /s
Kinematic viscosity of the base oil, 40°C, calculated data	approx. 590 mm <sup>2</sup> /s
Flow pressure, DIN 51805-2, -25°C	< 1400 mbar
Dropping point, DIN ISO 2176 / IP 396	> 180 °C
FZG scuffing test, DIN ISO 14635-3, based on standard, A / 2.8 / 50, failure load stage	≥ 12
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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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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## 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.