

MICROLUBE GBU-Y 131

Special grease for the lubrication of rolling and plain bearings subject to humidity and water



Benefits for your application

- Good pressure absorption capacity
- High resistance to water
- Good corrosion protection

Description

MICROLUBE GBU-Y 131 is a special grease incorporating a semi synthetic base oil and metal complex soap thickener. This special combination greatly influences the load carrying capacity, water resistance and corrosion protective characteristics of the grease.

Application notes

MICROLUBE GBU-Y 131 can be applied by brush, spatula, grease gun or grease cartridge. Compatibility with elastomers and plastic materials should be checked prior to series applications as constructional materials may vary greatly from differing manufacturers and suppliers.

Application

MICROLUBE GBU-Y 131 is intended for the lubrication of plain and rolling bearings operating under medium to high loads as well as under the influence of humidity and water. MICROLUBE GBU-Y 131 has proven particularly successful for lubrication of the fixed or detachable rope grips of ski lifts.

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	MICROLUBE GBU-Y 131
Cartridge 400 g	+
Can 1 kg	+
Bucket 25 kg	+

Product data	MICROLUBE GBU-Y 131
Article number	017117
NLGI grade, DIN 51818	1
Lower service temperature	-25 °C / -13 °F
Upper service temperature	150 °C / 302 °F
Colour space	beige
Texture	homogeneous
Texture	fibrous
Density at 20 °C	approx. 0.95 g/cm ³
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	310 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	340 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 mm ² /s
Flow pressure of lubricating greases, DIN 51805, test temperature: -25 °C	<= 1 400 mbar
Speed factor (n x dm)	approx. 500 000 mm/min



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Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
Water resistance, DIN 51807 pt. 01, 3 h/90 °C, rating	0 - 90
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 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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