

# MICROLUBE GBU-Y 131

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



## 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.

## Pack size

400 g cartridge  
1 kg can  
25 kg bucket

## MICROLUBE GBU-Y 131

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

## 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.

## 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.

## Minimum shelf life

The minimum shelf life is approx. 36 months if the product is stored in its unopened original container in a dry place.

## Product data

Colour	Beige - light brown
Texture	homogeneous, fibrous
Density at 20 °C, [g/cm <sup>3</sup> ]	0.95
Service temperature range*, [°C], approx.	- 25 to 150
Worked penetration, DIN ISO 2137 (ASTM D 217); 25 °C, [0.1 mm]	310 to 340
Consistency class, DIN 51818, NLGI	1
Flow pressure, DIN 51805, - 25 °C, [mbar]	≤ 1400
Water resistance, DIN 51807 T1, 3 h/ 90 °C	0 - 90
Corrosion protection (SKF-Emcor), DIN 51802, 1 week, dist. water, degree of corrosion	1
Base oil viscosity, DIN 51562, pt. 1, 40 °C, mm <sup>2</sup> /s, approx. 100 °C, mm <sup>2</sup> /s, approx.	130 15
Speed factor (n x d <sub>m</sub> )**, [mm x min <sup>-1</sup> ], approx.	500,000
Apparent dynamic viscosity***, viscosity class	L/M

\* Service temperatures (not according to DIN 51825) are guide values which depend on the lubricant's composition, the intended use and the application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on the mechano-dynamical loads, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

\*\* Speed factors are guide values which depend on the type and size of the rolling bearing type and the local operating conditions, which is why they have to be confirmed in tests carried out by the user in each individual case.

\*\*\* Klüber viscosity grades: EL = extra light lubricating grease; L = light lubricating grease; M = medium lubricating grease; S = heavy lubricating grease; ES = extra heavy lubricating grease

The data in this product information is based on our general experience and knowledge at the time of printing 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 tests with the selected product. We recommend contacting our Technical Consulting Staff to discuss your specific application. If required and possible we will be pleased to provide a sample for testing. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this product information at any time without notice.



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