

## MICROLUBE GL 261/GL 262

Special lubricating greases for boundary friction conditions and tribo-corrosion

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### Benefits for your application

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- Optimum lubrication in the boundary friction regime, thus preventing machine downtime due to tribo-corrosion
  - Tried-and-tested for many years and approved by OEMs
  - Longer component life due to special additives, especially with oscillations and micro-movements
  - Trouble-free operation of machines due to good pumpability in central lubrication systems\*
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### Description

MICROLUBE GL 261/GL 262 greases are special lubricating greases on a mineral oil base. They also contain special lithium soap and the MICROLUBE additive package, which ensures a wear-free surface finish. Running-in wear is reduced to a minimum. In addition, the MICROLUBE additive package provides protection in the boundary friction regime, thus preventing tribo-corrosion. MICROLUBE GL 261/GL 262 greases have the capacity to absorb high pressures, and they have good anti-corrosion properties.

### Application

MICROLUBE GL 261/GL 262 greases are particularly suitable for low to medium-speed plain and rolling bearings, and for swivel movements and vibrations.

#### Other applications:

- linear guides
- serrations, multiple spline shafts
- small gears, e.g. adjustment gears

They are generally suitable for machine elements potentially subject to tribo-corrosion.

### Application notes

MICROLUBE GL 261/GL 262 greases can be precisely applied by brush, spatula, grease gun, and through centralized lubrication systems\*.

### Minimum shelf life

The minimum shelf life is approximately 36 months if the product is stored in its unopened original container in a dry, frost-free place.

### Pack sizes

- 400 g cartridge
- 1 kg can
- 25 kg bucket
- 250 ml aerosol can (only MICROLUBE GL 261)
- 180 kg drum (only MICROLUBE GL 261)

### Material Safety Data Sheets

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

\* The product can normally be applied by means of centralised lubricating systems. Please note, however, that due to different system configurations and application conditions the pumpability of the product has to be confirmed for each individual application. We will be pleased to provide assistance in this matter.



## MICROLUBE GL 261/GL 262

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Product data	MICROLUBE GL 261	MICROLUBE GL 262
Oil type / thickener	mineral oil / special lithium soap	mineral oil / special lithium soap
Service temperature range**, [°C] approx.	- 30 to 140	- 25 to 140
Colour, appearance	yellowish-brown, almost transparent	yellowish-brown, almost transparent
Texture	homogeneous, fibrous	homogeneous, fibrous
Density at 20 °C, [g/cm <sup>3</sup> ] approx.	0.89	0.89
Worked penetration, DIN ISO 2137, at 25°C, [0.1 mm]	310 - 340	265 – 295
Apparent dynamic viscosity, viscosity grade****	L / M	M
Base oil viscosity, DIN 51562 pt. 01 at 40 °C, [mm <sup>2</sup> /s], approx. at 100 °C, [mm <sup>2</sup> /s], approx.	280 20	280 20
Corrosion protection of lubricating greases, DIN 51802, (SKF-EMCOR), 1 week, distilled water, corrosion rating	≤ 1	≤ 1
Flow pressure, DIN 51805 at -30 °C, [mbar] at -25 °C, [mbar]	≤ 1,400 -	- ≤ 1,400
Drop point, DIN ISO 2176, [°C]	≥ 220	≥ 220
Speed factor*** (n x d <sub>m</sub> ), [mm/min] approx.	300,000	300,000

\*\* Service temperatures 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

### Lubrication is our world

**With more than 2000 products available around the world, you can be sure that Klüber has the right product for your application. Please contact Klüber Lubrication specialists worldwide to assist you in all matters regarding lubrication.**

[www.klueber.com](http://www.klueber.com)

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