

MIKROZELLA GDB 2 series

Plastic oil reservoir system for additional lubrication of sintered-metal plain bearings



Benefits for your application

- **Longer service life of bearings due to additional lubrication**
- **High reliability and maintenance-free use due to controlled oil release**
- **Convenient application as product is ready-to-use**
- **Cost savings due to fully automatic large-batch application**
- **Wide-range application selection through different oil viscosities**
- **High reliability over long period even under varying operating conditions**
- **Easy assembly due to good adhesion to sintered bearing surfaces**

Description

MIKROZELLA GDB 2 oils are synthetic lubricants based on ester oil and synthetic hydrocarbons. In numerous applications, they can significantly extend component lifetimes. MIKROZELLA may

therefore be used as a depot lubricant for the lifetime lubrication of sintered-metal plain bearings impregnated with oil or fluid. The products can be combined in the following ways with lifetime-extending results:

Product combination	
MIKROZELLA GDB 2-18:	Klübersynth DB 2-18
MIKROZELLA GDB 2-32:	Klübersynth DB 2-32
MIKROZELLA GDB 2-68:	Klübersynth DB 2-68, Klüberfluid DHL 2-2100

Application

MIKROZELLA products were developed for the additional lubrication of sintered-metal plain bearings in precision engineering, automotive engineering, electrical and household engineering.

recommend checking the effectiveness of the metering system under real-life conditions.

Minimum shelf life

The minimum shelf life is approx. 18 months if the product is stored in its unopened original container in a dry, frost-free place.

Application notes

The ready-to-use MIKROZELLA product types containing a base oil with a corresponding viscosity can be applied to the outer surface of the bearing by means of conventional, fully automatic metering systems. A pretreatment such as stirring or the addition of fresh oil is not required. The product is applied to the outside of the sintered-metal plain bearing, thus helping to stabilize the bearing during assembly. Prior to series application, we

Material safety data sheets

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

Pack sizes	MIKROZELLA GDB 2-32	MIKROZELLA GDB 2-68
Bucket 25 kg	+	+



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Product data	MIKROZELLA GDB 2-32	MIKROZELLA GDB 2-68
Article number	028041	028027
Lower service temperature	-40 °C / -40 °F	-40 °C / -40 °F
Upper service temperature	150 °C / 302 °F	150 °C / 302 °F
Density at 20 °C	approx. 0.9 g/cm ³	approx. 1.1 g/cm ³
Colour space	yellow	yellow
Texture	homogeneous	homogeneous
Texture	short-fibred	short-fibred

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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.

**Klüber Lubrication München KG /
Geisenhausenerstraße 7 / 81379 München / Germany /
phone +49 89 7876-0 / fax +49 89 7876-333.**

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