

MIKROZELLA GDB 2-68

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



Your benefits at a glance

- 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

Your requirements - our solution

Would you like to increase the lifetime of sintered bearings? Do you also need to ensure reliable lubrication across a wide service temperature range and variable operating conditions? MIKROZELLA GDB 2-68 is designed to meet these demanding requirements. This synthetic depot lubricant is based on a mixture of ester oil and synthetic hydrocarbon oil allowing a considerable extension of component service life in many cases. MIKROZELLA GDB 2-68 is compatible with ester or polyalphaolefin sintered bearing impregnating oils and fluids. The products MIKROZELLA GDB 2-68 and Klüberfluid DHL 2-2100, as well as MIKROZELLA DGB 2-68 and Klübersynth DB 2-68, have been designed such that they can be combined in order to attain extended lifetimes of sintered metal plain bearings.

Application

MIKROZELLA GDB 2-68 is a plastic oil reservoir providing secondary relubrication of sintered metal bearings. They can be used for the lubrication of sintered metal bearings and can replace felt lubrication systems or depot greases. MIKROZELLA can be used as a depot lubricant for oil and for lifetime lubrication of fluid-impregnated sintered metal sliding bearings. MIKROZELLA is applied to the external surfaces of the porous sintered metal bearing. The capillary effect ensures that the bearing's pores are continuously supplied with fresh lubricant,

which considerably improves the lubricant supply to the friction point. MIKROZELLA extends the running time of applications in precision engineering, automotive engineering, electrical and household engineering.

Application notes

The ready-to-use MIKROZELLA GDB 2-68 can be applied to the outer surface of the bearing by means of conventional, fully automatic metering systems without the need for stirring or the addition of fresh oil. Being applied to the outside of the sintered-metal plain bearing it assists in stabilising the bearing during assembly. Please note, however, that due to different system configurations and application conditions the pumpability of the product has to be confirmed. We will be glad to support you with application-specific advice.

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

Can 1 kg

MIKROZELLA GDB 2-68

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Product data	MIKROZELLA GDB 2-68
Article number	028027
Lower service temperature	-40 °C / -40 °F
Upper service temperature	150 °C / 302 °F
Density at 20 °C	approx. 1.10 g/cm ³
Colour space	yellow
Texture	short-fibred
Texture	homogeneous
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	18 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.

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

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