

# 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](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	MIKROZELLA GDB 2-68
Can 1 kg	+
Bucket 10 kg	+
Bucket 25 kg	+
Bucket 50 kg	+

# MIKROZELLA GDB 2-68

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



Pack sizes	MIKROZELLA GDB 2-68
Drum 180 kg	+

  

Characteristics	MIKROZELLA GDB 2-68
Article number	028027
Colour space	yellow
Texture	homogeneous , short fibrous
Service temperature, lower limit	-40 °C
Service temperature, upper limit	150 °C
Density, Klüber method: PN 024, 20°C	approx. 1.10 g/cm <sup>3</sup>
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 90 years.

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