

MIKROZELLA DB 47-62

Plastic depot lubricant for sintered metal plain bearings



Benefits for your application

- Significantly extends the service life of sintered metal plain bearings impregnated with silicone oil
- Simple, clean and fully automatic application; good adhesion; no additional fixing of the oil depot necessary
- Proven successful in applications which have to cover wide service temperature ranges

Description

MIKROZELLA DB 47-62 is a plastic silicone oil reservoir for the additional lubrication of sintered metal plain bearings impregnated with compatible silicone oils like Klüberbeta DB 7-68.

MIKROZELLA DB 47-62 is applied to the outside of the impregnated sintered metal plain bearing. During operation of the bearing, the depot lubricant continuously releases oil into the pores of the bearing, thus improving sustainably the lubrication of components. Therefore, the expected lifetime is significantly increased compared to sintered bearings without lubricant depot.

Application

MIKROZELLA DB 47-62 is perfectly compatible with the impregnating oil Klüberbeta DB 7-68.

The good thermal stability and low pour point of the base oil are an advantage for applications requiring low running torques over wide service temperature ranges.

MIKROZELLA DB 47-62 is widely used in sintered metal plain bearings in precision, electrical and household engineering.

Application notes

MIKROZELLA DB 47-62 is compatible with all standard sintered metal types. However, we recommend testing their compatibility in combination with the selected lubricant.

The optimum lubricant quantity depends on the component's design, the operating conditions and the lifetime requirements.

MIKROZELLA DB 47-62 is a ready-to-use product which can be applied economically by means of the usual, fully automatic (micro) metering systems. Unlike felt pad lubrication or comparable systems, no additional fixing of the lubricant at the component is necessary.

Please note 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.

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	MIKROZELLA DB 47-62
Bucket 25 kg	+

Product data	MIKROZELLA DB 47-62
Article number	028087
Chemical composition, thickener	special lithium soap
Chemical composition, type of oil	silicone oil
Lower service temperature	-50 °C / -58 °F
Upper service temperature	180 °C / 356 °F
Colour space	white
Texture	homogeneous
Texture	fibrous



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Product data	MIKROZELLA DB 47-62
Density at 20 °C	approx. 0.96 g/cm ³
Copper corrosion, DIN 51811, (lubricating grease), 24h/100°C	1 - 100 corrosion degree
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 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.

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