

MIKROZELLA G 8 OY K, G 100 OY K

Plastic oil reservoir for secondary relubrication of porous sintered metal sliding bearings



Your benefits at a glance

- Extended lifetime of sintered metal sliding bearings
- Controlled oil release and maintenance-free use
- Ready-to-use product for convenient application
- Efficient application with standard metering systems
- Variety of base oil viscosities available for versatile use

Your requirements - our solution

Would you like to increase the lifetime of your sintered metal bearings for improved component reliability under variable operating conditions?

We developed the MIKROZELLA G 8 OY K and MIKROZELLA G 100 OY K depot lubricating gels to provide a secondary lubricant reservoir to enable re-charging of vacuum impregnated sintered metal bearings. The integrated UV indicator enables easy quality controls, visible even when a small quantity of lubricant is applied.

Please do not hesitate to contact our experts regarding the demands in your own application.

The following products complement each other for extended component lifetime:

MIKROZELLA G 8 OY K:	CONSTANT OY 32 K
	CONSTANT OY 46 K
	CONSTANT OY 68 K
	CONSTANT GL 2000
	CONSTANT GLY 2100
MIKROZELLA G 100 OY K:	CONSTANT OY 100 K
	CONSTANT OY 150 K
	CONSTANT OY 220 K
	CONSTANT OY 390 K

Application

MIKROZELLA products are plastic oil-loaded gels enabling additional lubrication 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 points. MIKROZELLA products extend the running time of sintered bearing application points in precision engineering, automotive engineering, electrical and household engineering.

Application notes

The ready-to-use MIKROZELLA gels containing the appropriate viscosity base oil 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.



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Pack sizes	MIKROZELLA G 8 OYK	MIKROZELLA G 100 OY K
Can 1 kg	+	+
Bucket 25 kg	+	-

Product data	MIKROZELLA G 8 OYK	MIKROZELLA G 100 OY K
Article number	088032	028097
Chemical composition, type of oil	synthetic hydrocarbon oil	synthetic hydrocarbon oil
Chemical composition, binder	silicate	silicate
Lower service temperature	-50 °C / -58 °F	-50 °C / -58 °F
Upper service temperature	150 °C / 302 °F	150 °C / 302 °F
Colour space	yellow	yellow
Texture	homogeneous	homogeneous
Texture	short-fibred	short-fibred
Density at 20 °C	approx. 0.90 g/cm ³	approx. 0.87 g/cm ³
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 55 mm ² /s	approx. 110 mm ² /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 8.5 mm ² /s	approx. 15 mm ² /s
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	18 months	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.

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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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