

# CONSTANT GL 2000

Impregnating fluid for sintered metal plain bearings



## Your benefits at a glance

- Low noise and smooth running
- Longer bearing life due to good oxidation resistance
- Energy savings and improved efficiency due to low frictional torque
- Improved ageing stability owing to less internally generated heat at high speeds
- Lifetime lubrication with high reliability; maintenance-free solution

## Your requirements - our solution

CONSTANT GL 2000 is an impregnating fluid based on mineral oil for the lubrication of sintered metal plain bearings subject to high and low temperatures, speeds (e.g. <math><0.3\text{ m/s}</math>, >5 m/s) and loads (e.g. <math><0.15\text{ N/mm}^2</math>, >3 N/mm<sup>2</sup>). Due to the special product formulation and additives it covers a wide range of applications. Its soap content provides low-noise properties and good wear protection. CONSTANT GL 2000 can also be used for the lifetime lubrication of sintered metal plain bearings, also at stop and go.

## Application

CONSTANT GL 2000 is intended for use in sintered metal plain bearings in precision, automotive and electrical engineering as well as household appliances.

## Application notes

CONSTANT GL 2000 is applied in a vacuum immersion process to fill the pores of sintered metal plain bearings. We recommend to stir the immersion bath prior to immersion. Avoid filtering through very fine mesh size. To extend the service life of the bearings, an additional ready-to-use lubricant, MIKROZELLA G8 OY K can be applied around the bearing as a plastic oil reservoir by means of conventional fully automatic metering systems. We recommend checking application by the metering system under practical conditions prior to series application.

## 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	CONSTANT GL 2000
Canister 1 l	+
Canister 20 l	+
Drum 200 l	+

  

Characteristics	CONSTANT GL 2000
Article number	028048
Composition, thickener	lithium soap
Composition, type of oil	mineral oil
Colour space	brown

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Characteristics	CONSTANT GL 2000
Texture	homogeneous , viscous
Service temperature, lower limit	-10 °C
Service temperature, upper limit	100 °C
Density, DIN 51757, 20°C	approx. 0.88 g/cm <sup>3</sup>
Refractive index, DIN 51423-2 / ASTM 1218, 20°C	approx. 1.479
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 7 mm <sup>2</sup> /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 46 mm <sup>2</sup> /s
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	12 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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