

# Klüberfluid DHL 2-2100

Synthetic impregnating fluid for sintered metal plain bearings



## Benefits for your application

- Longer service life due to good ageing stability and thermal resistance
- Low noise and smooth running
- Lifetime lubrication with high reliability; maintenance-free solution
- Energy savings potential due to low starting and running torques
- Longer life of bearing due to lower running-in wear
- Energy savings and improved efficiency due to low friction torque
- Improved ageing stability due to less internally generated heat at high speeds
- Easy quality control of minimum-quantity application due integrated UV indicator

## Description

Klüberfluid DHL 2-2100 is a synthetic impregnating fluid for the lubrication of sintered metal plain bearings subject to high and low temperatures, speeds and loads. Due to the special product formulation and additives, it covers a wide service temperature range and offers good wear and corrosion protection as well as smooth running properties. Klüberfluid DHL 2-2100 can be used for the lifetime lubrication of sintered iron as well as sintered bronze bearings.

## Application

Klüberfluid DHL 2-2100 has been designed for the lubrication of sintered metal plain bearings used in precision, automotive, electrical engineering and household appliances.

## Application notes

Klüberfluid DHL 2-2100 is applied in a vacuum immersion process to fill the pores of sintered metal plain bearings. We recommend stirring the oil bath briefly before application.

For longer bearing life, the ready-to-use lubricant depot MIKROZELLA GDB 2-68, can be applied to the outer surface of the bearing (normal application via automatic metering equipment).

Prior to series application; we recommend checking the effectiveness of the metering system under real-life conditions.

## 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	Klüberfluid DHL 2-2100
Canister 1 l	+
Bucket 25 l	+

Product data	Klüberfluid DHL 2-2100
Article number	028010
Chemical composition, type of oil	ester oil
Chemical composition, type of oil	synthetic hydrocarbon oil
Lower service temperature	-40 °C / -40 °F
Upper service temperature	150 °C / 302 °F
Colour space	brown
Texture	liquid



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Density at 20 °C	approx. 0.95 g/cm <sup>3</sup>
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 68 mm <sup>2</sup> /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 14 mm <sup>2</sup> /s
Refraction index, DIN 51423 pt. 02, at 20 °C	approx. 1.46
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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