

Klüberplex HB 98-601

Innovative high-temperature rolling bearing grease



Your benefits at a glance

- Extended component life based on optimised lubricant supply
 - from low to extremely high temperatures, even under high loads
 - due to good pumpability and the prevention of solidification in lubrication systems
- Improves sustainability and helps reduce costs, enabled by
 - the significantly reduced consumption and thus also reduced waste
 - the good water resistance and thus also lower water contamination
 - minimum maintenance required on the lubricant supply lines

Your requirements - our solution

As an operator of machine components that are exposed to high loads and high temperatures, you know the challenges of regularly dismantling the lubrication lines, caused by hardening and clogging.

We have developed Klüberplex HB 98-601 precisely for this challenge. The innovative thickener system and excellent pumpability prevent these hardenings from occurring in the first place. The friction point is thus optimally supplied with lubricant, friction and wear as well as maintenance requirements can be reduced. This not only saves you costs arising from plant shutdowns, it also reduces the health hazard for your maintenance personnel in this area.

In addition, Klüberplex HB 98-601 helps you to reduce the relubrication quantity, as the experience of our customers has already shown. The high viscosity of the semi-synthetic base oil in combination with the special calcium thickener ensures excellent load-carrying capacity even at very high temperatures. At the same time, Klüberplex HB 98-601 retains its pumpability and does not

harden during operation, ensuring that your machines run smoothly and reliably.

Application

Klüberplex HB 98-601 can be used in rolling and plain bearings applications subjected to high temperatures and high loads functioning under low/medium speed and even high torque conditions.

Application notes

Klüberplex HB 98-601 can be used in central lubrication systems even when subjected to extreme temperatures. The grease can also be applied manually by grease gun, brush or spatula.

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	Klüberplex HB 98-601
Cartridge 400 g	+
Can 1 kg	+
Bucket 25 kg	+
Drum 180 kg	+

Klüberplex HB 98-601

Innovative high-temperature rolling bearing grease



Characteristics	Klüberplex HB 98-601
Article number	017197
Composition, thickener	calcium complex soap
Composition, type of oil	semi-synthetic oil
Colour space	brown
Texture	homogeneous , short fibrous
Service temperature, lower limit	-20 °C
Service temperature, upper limit, in case of continuous lubrication	250 °C
Density, Klüber method: PN 024, 20°C	approx. 0.95 g/cm ³
NLGI grade, DIN 51818	1
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 40 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 600 mm ² /s
Copper corrosion, DIN 51811, 24 h, 120°C	1 - 120 - 24 corrosion degree
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree
Dropping point, DIN ISO 2176 / IP 396	≥ 300 °C
Four-ball tester, welding load, DIN 51350-4	≥ 2200 N
Speed factor (n x dm)	approx. 200000 mm/min
Water resistance, DIN 51807-1, 3 h, 90°C	≤ 1 - 90 rating
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 90 years.

Klüber Lubrication München GmbH & Co. KG /
Geisenhausenerstraße 7 / 81379 München / Germany /
phone +49 89 7876-0 / fax +49 89 7876-333.

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.

Publisher and Copyright: Klüber Lubrication München GmbH & Co. KG. Reprints, total or in part, are permitted only prior consultation with Klüber Lubrication München GmbH & Co. KG and if source is indicated and voucher copy is forwarded.