

Klüber Noxlub KF 1920

High-temperature and long-term lubricating grease for a wide service temperature range



Benefits for your application

- **Wide service temperature range**
- **Neutral towards most plastics and elastomer materials**
- **Good damping properties**
- **Good wear and corrosion protection**
- **Free from sodium nitrite**

Description

Klüber Noxlub KF 1920 is a fully synthetic long-term lubricating grease based on perfluorinated polyether, solid lubricants, and a soap-based thickening agent. Klüber Noxlub KF 1920 offers excellent high-temperature stability across an extremely wide service temperature range as well as providing good resistance to brake fluids, types DOT 3, 4, 5 and 5.1.

Application

Klüber Noxlub KF 1920 is especially recommended for long-term lubrication of rolling bearings and other applications in the automotive industry.

Klüber Noxlub KF 1920 has proven successful for lubrication of elastomer seals in hydraulic clutches as well as other high temperature engine components.

Compatibility with elastomers and plastics

Lubricating greases based on fluorinated polyether and PTFE are mostly neutral towards elastomers and plastics (except for perfluorinated rubber). Prior to series application, however, we recommend testing lubricant compatibility with the materials in question.

Application notes

Klüber Noxlub KF 1920 can be applied by spatula, brush or lubricant dispenser.

For optimum lubrication results we recommend cleaning the friction points with white spirit 180/210 and then with Klüberalfa XZ 3-1 prior to initial application. Thereafter the friction points should be blown with clean dry compressed air (or hot air) to remove all remaining white spirit residues.

All application points should be bright (i.e. free of oils, greases and perspiration) and completely free from all contaminants prior to initial lubrication. Please feel free to consult your local Klüber technical sales department to ensure optimum performance and therefore maximum service life is attained with this special product.

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	Klüber Noxlub KF 1920
Can 1 kg	+
Bucket 10 kg	+

Product data	Klüber Noxlub KF 1920
Article number	090080
NLGI grade, DIN 51818	2
Chemical composition, type of oil	PFPE
Chemical composition, solid lubricant	PTFE



Klüber Noxlub KF 1920

High-temperature and long-term lubricating grease for a wide service temperature range

Product data	Klüber Noxlub KF 1920
Chemical composition, thickener	sodium soap
Lower service temperature	-40 °C / -40 °F
Upper service temperature	260 °C / 500 °F
Colour space	white
Density at 20 °C	approx. 1.90 g/cm ³
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, lower limit value	4 000 mPas
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, upper limit value	8 000 mPas
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 194 mm ² /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 36 mm ² /s
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
Low-temperature torque, IP 186, -40 °C, running	< 100 mNm
Low-temperature torque, IP 186, -40 °C, start	< 1 000 mNm
Oil separation, based on ASTM D 6184 [FTMS 791 C 321], after 24 h/100 °C	<= 6 % by weight
Flow pressure of lubricating greases, DIN 51805, test temperature: -50 °C	<= 1 400 mbar
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	60 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.

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