

Klüber SK 01-205

Special lubricant for high demands



Benefits for your application

- Against stick slip
- Low friction coefficient
- Above-average corrosion protection
- Against cold welding
- Reduces wear
- Minimizes friction
- Easy application
- Against fretting wear
- Anticorrosion properties
- Against fretting corrosion
- No tribocorrosion

Description

Klüber SK 01-205 is a new special lubricant for high demands and loads. It has a synthetic base, contains water, is whitish in colour and turbid, and can be diluted with tap water. The lubricating film stays almost dry in the temperature range between – 40 and + 50 °C. Above 50°C the lubricating film changes to a soft, wax-like structure. It can easily tolerate more than 150 °C for several hundred hours. This special lubricant has good lubricating properties. It is especially effective in the case of mixed or boundary friction and has above average anticorrosion properties. It is also very effective against tribocorrosion.

Application

Klüber SK 01-205 has been developed to optimize mechanical systems. It is especially useful for systems lubricated for life prior to their assembly. Such systems comprise springs, seals, bolts, joints, screws and bearings made of metals, composites or plastics. Klüber SK 01-205 constitutes an interesting alternative to lubricating greases or oils for precision instruments, lubricants used in precision and electrical engineering, sports equipment and other applications where it is important to ensure that mass-produced items are reliably lubricated and protected against corrosion.

Application notes

Klüber SK 01-205 can be applied by brush, spraying or immersion. The supplied product is generally too concentrated, and we recommend to mix it at a ratio of 1:3 with tap water. The lubricant becomes fully effective as soon as the lubricant film is free of water. Water evaporation is accelerated when the mixture is heated to 50 °C or when the components to be lubricated or protected are heated to 50 – 70 °C. Klüber SK 01-205 is an ideal product for the splash lubrication of components from series or mass production. Fine layers are obtained through additional centrifugation.

To be stored in the closed original container only.

Protect from frost. If required, let the frozen product thaw at room temperature. The product will return to its original state and be fully serviceable.

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 SK 01-205
Bucket 15 l	+



Klüberlub SK 01-205

Special lubricant for high demands

Product data	Klüberlub SK 01-205
Article number	099127
Colour space	white
Texture	liquid
Density, DIN 51757, 20 °C	approx. 0.99 g/cm ³
Runout time, DIN EN ISO 2431, with flow cups, 3 mm nozzle	approx. 30 s
Determination of pH value, DIN 51369, electrometrically, undiluted	approx. 8.0
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	6 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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