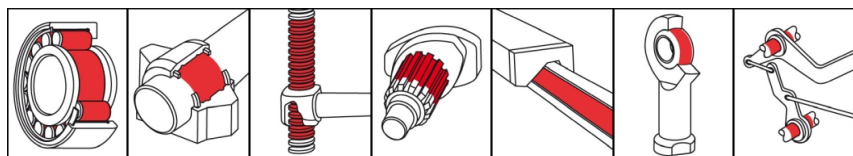


OKS 470

White Universal High-Performance Grease



Description

Universal grease with white solid lubricants and NSF H2 approval.

Applications

- Lubrication of normal-load friction, rolling and pivoting bearings
- Lubrication of spindles and guides at machines
- Lubrication of moving parts at fine-mechanical devices as well as household appliances

Branches

- Municipal services
- Logistics
- Chemical industry
- Shipbuilding and marine technology
- Paper and packaging industry
- Glass and foundry industry
- Plant and machine (tool) engineering
- Iron and steel industry
- Rail vehicle technology
- Rubber and plastic processing

Advantages and benefits

- Lubrication when dark-coloured lubricants cannot be used
- Saving of maintenance and lubricant costs by reducing downtimes and corrective maintenance
- Waterproof
- NSF H2 registered
- Also available as spray version OKS 471 (without NSF certification)

Application tips

Clean the lubricating points well for optimal effect. Before filling for first time, remove anti-corrosion agent. Fill the bearing such that all functional surfaces are certain of being greased. Fill normal bearings up to about 1/3 of the free space inside the bearing. Low-speed bearings (DN value below 50,000) and their housings should be filled completely. The bearing and machine manufacturer's instructions should be observed. Subsequent lubrication at the lubrication nipples by grease gun or by automatic lubrication system. Assess the lubrication frequency and quantity on the basis of the service conditions. If old grease cannot be removed, restrict the quantity of grease so as to avoid over-lubricating the bearing. If lubrication frequencies tend to be low, you should aim for a full grease change. Only mix with suitable lubricants.

Packaging

- | | | |
|--------------------|----------------|-----------------|
| • 80 ml Tube | • 1 kg Can | • 25 kg Hobbock |
| • 400 ml Cartridge | • 5 kg Hobbock | • 180 kg Drum |

OKS 470

White Universal High-Performance Grease

Technical data

| | Standard | Conditions | Unit | Value |
|---|-----------------|-------------------------|--------------------|---|
| Main components | | | | |
| base oil | | | | mineral oil |
| thickener | | | | lithium hydroxystearate |
| solid lubricants | | | | white solid lubricants |
| Application related technical data | | | | |
| marking | DIN 51 502 | DIN 51 825 | | KF2K-30 |
| Viscosity base oil | DIN 51 562-1 | at 40°C | mm ² /s | approx. 110 |
| Viscosity base oil | DIN 51 562-1 | at 100°C | mm ² /s | approx. 10 |
| drop point | DIN ISO 2176 | | °C | > 195 |
| consistency | DIN 51 818 | DIN ISO 2137 | NLGI grade | 2 |
| worked penetration | DIN ISO 2137 | 60DH | 0.1 mm | 265-295 |
| oil separation | DIN 51 817 | 168h/40°C | percent in weight | < 5 |
| lower operating temperature | DIN 51 805 | ≤ 1,400 hPa | °C | -30 |
| upper operating temperature | DIN 51 821-2 | F50 (A/1500/6000), 100h | °C | 120 |
| colour | | | | white |
| density | DIN EN ISO 3838 | at 20°C | g/cm ³ | 0.92 |
| water resistance | DIN 51 807-1 | 3h/90°C | Degree | 1-90 |
| DN value (dm x n) | | | mm/min | 300,000 |
| four-ball test rig welding load | DIN 51 350-4 | | N | 3,400 |
| four-ball test rig wear | DIN 51 350-5 | 1h, 800N | mm | < 1.4 |
| SKF-EMCOR | DIN 51 802 | 168h, distilled water | corr. degree | 1 |
| SKF-EMCOR Copper | DIN 51 811 | 24h, 100°C | corr. degree | 1-100 |
| Properties and approvals | | | | |
| approval for food processing technology | | | | NSF H2, Reg.-Nr. 137707 |

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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.