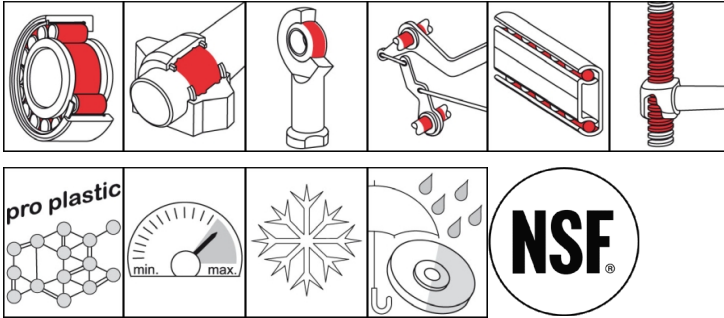


OKS 472

Low-Temperature Grease



Description

White fully synthetic low-temperature grease with NSF H1 certification for food processing technology.

Applications

- Grease lubrication of friction and rolling bearings at low operating temperatures
- Grease lubrication of friction and rolling bearings at high speeds
- Grease lubrication of bearings with low coasting moments or low bearing play

Advantages and benefits

- NSF H1 registered
- Low-viscosity, fully synthetic base oil ensures the functionality of the lubricating film up to -70°C
- Very good conveying capability in central lubricating systems also at low temperatures

Branches

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

Application tips

Clean the surfaces 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, high-speed bearings (DN value above 400,000) up to about 1/4. Low-speed bearings (DN value < 50,000) and their housings should be filled completely. In as far as available, the bearing and machine manufacturer's instructions should be observed. Subsequent lubrication at the lubrication nipples by grease gun or by automatic lubrication systems. 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. Caution: Only mix with suitable lubricants.

OKS 472

Low-Temperature Grease

Packaging

- 400 ml Cartridge
- 1 kg Can
- 5 kg Hobbock
- 25 kg Hobbock

Technical data

| | Standard | Conditions | Unit | Value |
|---|-----------------|-------------------------|--------------------|--|
| Main components | | | | |
| base oil | | | | ester |
| base oil | | | | polyalphaolefine |
| thickener | | | | aluminium-complex soap |
| Application related technical data | | | | |
| marking | DIN 51 502 | DIN 51 825 | | KHC1K-40 |
| viscosity (at 40°C) | DIN 51 562-1 | base oil | mm ² /s | 30 |
| viscosity (at 100°C) | DIN 51 562-1 | base oil | mm ² /s | 6 |
| pour point | DIN ISO 3016 | 3°C step | °C | < -70 |
| flashing point | DIN ISO 2592 | > 79 | °C | > 200 |
| drop point | DIN ISO 2176 | | °C | > 220 |
| consistency | DIN 51 818 | DIN ISO 2137 | NLGI grade | 1 |
| worked penetration | DIN ISO 2137 | 60DH | 0.1 mm | 310-340 |
| lower operating temperature | DIN 51 805 | ≤ 1,400 hPa | °C | -45 |
| upper operating temperature | DIN 51 821-2 | F50 (A/1500/6000), 100h | °C | 120 |
| colour | | | | whitish |
| density (at 20°C) | DIN EN ISO 3838 | | g/cm ³ | 0.9 |
| water resistance | DIN 51 807-1 | 3h/90°C | Degree | 1 |
| DN value (dm x n) | | | mm/min | 800,000 |
| SKF-EMCOR Copper | DIN 51 811 | 24h, 100°C | corr. degree | 1 |
| Properties and approvals | | | | |
| UFI | | | | |
| approval for food processing technology | | | | NSF H1_Reg.-Nr. 135749 |

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