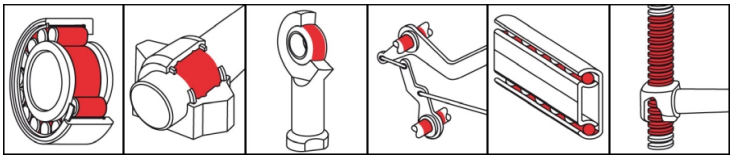
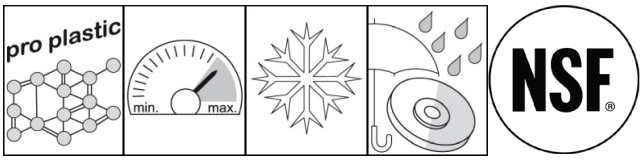


PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

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.

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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 base oil	DIN 51 562-1	at 40°C	mm^2/s	30
Viscosity base oil	DIN 51 562-1	at 100°C	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	DIN EN ISO 3838	at 20°C	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				
approval for food processing technology				NSF H1, Reg.-Nr. 135749

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