



OKS 470 - Product Information

Fields of Application:

Lubrication of parts subject to high levels of stress such as plain, roller and rod-end bearings, spindles and guideways in machines in food and beverages, textile, clothing, paper and cardboard industries, in precision machinery and in household appliances.

OKS 470

**White Universal High-Performance Grease
(also for the food industry)**

Advantages and Benefits:

Highly suitable as a safety grease for lubrication points free of contamination. Saving of maintenance and lubrication costs by reducing downtimes and corrective maintenance. Hygienically harmless as defined in Art. 21, Para. 1 of the Foodstuffs and Essential Commodities Act. Registered by the NSF in the category H2 under the number 137707 for the application in the food industry where there is no possibility of contact with the food.

Application:

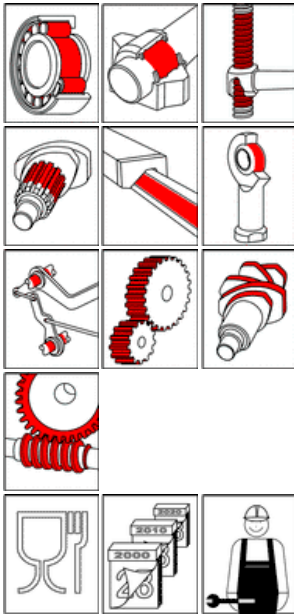
For highest effectiveness, carefully clean the lubrication point, for example with OKS 2610 or OKS 2611 universal cleaner. Before filling for first time, remove anti-corrosion agent. Fill bearing such that all functional surfaces are certain of being greased. Fill normal bearings up to about 1/3 of the 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 basis of service conditions. If old grease cannot be removed, restrict the quantity of grease so as to avoid overlubricating the bearing. If lubrication frequencies tend to be low, you should aim for a full grease change. Only mix with suitable lubricants. Our customer advice service will be pleased to help should you have any further questions.

Additional Information:

- Packaging (Article number):
- 10 g Tube (00470011)
 - 100 g Tube (00470012)
 - 400 g cartridge (00470019)
 - 1 kg Tin (00470034)
 - 5 kg Hobbock (00470050)
 - 25 kg Hobbock (00470062)
 - 180 kg Drum (00470070)

Version:
D-02.1/06

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OKS 470 White Universal High-Performance Grease

(also for the food industry)

Technical Data

	Norm	Conditions	Unit	Value
Classification	DIN 51 502	DIN 51 825		KF2K-30
Base Oil				
Type				Mineral oil
Viscosity	DIN 51 562-1	40°C	mm ² /s	ca. 110
	DIN 51 562-1	100°C	mm ² /s	ca. 10
Thickener				
Type				Lithiumhydroxystearate
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	2
Worked penetration	DIN ISO 2137	60 DH	0,1 mm	265 - 295
Drop point	DIN ISO 2176		°C	> 195
Oil separation	DIN 51 817	168h/40°C	Mass-%	< 5
Additives				
Solid lubricants, type				white solid lubricants
Application Data				
Density	DIN EN ISO 3838	+20°C	g/cm ³	0,93
Colour				light- beige
Services Temperatures				
Minimum.Services.Temperature	DIN 51 805	< 1.400 hPa	°C	-30
Maximum.Services.Temperature	DIN 51 821-2	F ₅₀ (A/1500/600), 100h	°C	120
DN value	ohne		mm min	300.000
Water resistance	DIN 51 807-1	90°C	Grade 1-3	1 - 90
Corrosion Protection Tests				
SKF-EMCOR	DIN 51 802	168 h, dest. water	Corr.-Grade 1-5	0 and 0
SKF-EMCOR, on copper	DIN 51 811	24h/100°C	Corr.-Grade 1-5	1 - 100
Wear Protection Tests				
VBT- weld load	DIN 51 350-4		N	3.600
VBT- wear	DIN 51 350-5	1 h/800 N	mm	< 1
Releases / Specifications				
Food industry				Acc. §31, Para. 1, LMBG NSF H2 Reg.-No. 137707

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