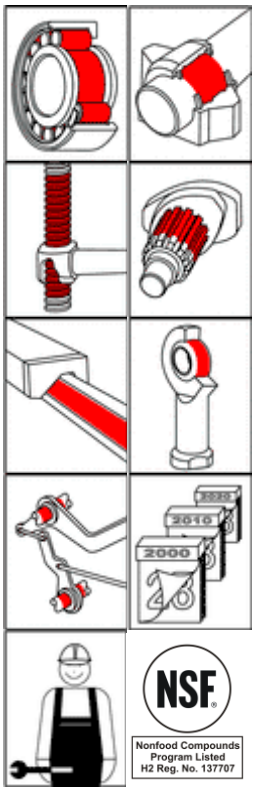
OKS 470 – Product Information

OKS 470
White Universal High-Performance Grease (also for the food industry)



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.

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. Registrated by the NSF in the category H2 under the number 137707 for the application in the food industry when there is no possibility of contact with the food.

Application:

For best results clean the lubrication point with OKS 2610/ OKS 2611 Universal Cleaner. Remove the corrosion protection media before initial filling. Fill the bearings in a way that all the functional surfaces are lubricated sufficiently. Slow moving bearings (DN-value < 50.000) should be filled completely, normal moving bearings should be filled to 1/3 of the free inner housing space. Observe the instructions of the bearing or machine manufacturer. Relubrication with a grease gun on to the grease nipples or with an automatic lubrication system. Relubrication intervals and amount to be defined acc. to the service conditions. If the removal of the old grease is not possible the amount of grease has to be limited to avoid excess lubrication of the bearing. For longer relubrication intervals, a complete exchange of the old grease is recommended. Mix with appropriate lubricants only. For additional questions please contact our Technical Department.

Additional Information:

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

Version:
E-04.1/13

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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 DIN 51 562-1	40°C 100°C	mm²/s mm²/s	approx. 110 approx. 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/cm³	0,93
Colour				white
Service Temperatures				
Minimum service temperature	DIN 51 805	< 1.400 hPa	°C	-30
Maximum service temperature	DIN 51 821-2	F_{50} (A/1500/6000), 100h	°C	120
DN- value			mm min	300.000
Water resistance	DIN 51 807-1	+90°C	Grade 1-3	1
Corrosion Protection Tests				
SKF-EMCOR	DIN 51 802	168 h, dest. water	Corr.-grade 0-5	0
SKF-EMCOR, on copper	DIN 51 811	24h/100°C	Corr.-grade 0-5	1
Wear Protection Tests				
VBT- weld load(Four ball test rig)	DIN 51 350-4		N	3.600
VBT- wear	DIN 51 350-5	1 h/800 N	mm	< 1
Releases / Specifications				
Food industry				NSF H2 Reg.-no. 137707