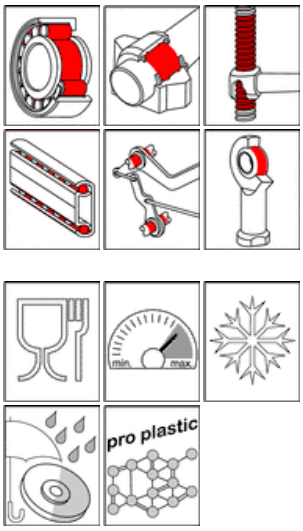
OKS 475 - Product Information

OKS 475
High-Performance Grease (also for the food industry)



Fields of Application:

Grease lubrication of plain and roller bearings where the bearing clearance is low and speeds are high, low and high temperatures, and also in bearings with low coasting torques. Sealing lubrication of mating surfaces, for example ground-in parts such as taper plugs, dosing plungers, valves and so on; maintenance lubrication of plastic and rubber parts with embrittlement protection and good frictional characteristics, particularly on metal surfaces.

Advantages and Benefits:

Eminently suitable as a long-term lubricating grease for bearing points exposed to low and high temperatures. Resistant to all alkali and acid cleaning agents and disinfectants. Hygienically harmless as defined in Art. 21, Para. 1 of the Foodstuffs and Essential Commodities Act. Registrated by the NSF in the category H2 under the number 137708 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, high-speed bearings (DN value above 400 000) up to about 1/4. 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):
- 400 g Cartridge(00475019)
- 1 kg Tin (00475034)
- 5 kg Hobbock (00475050)
- 25 kg Hobbock (00475062)
- 180 kg Drum (00475070)

Version:
E-02.1/06

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Technical Data

	Norm	Conditions	Unit	Value
Classification	DIN 51 502	DIN 51 825		KFHC2K -60
Base Oil				
Type				Polyalfaolefin
Viskosity	DIN 51 562-1 DIN 51 562-1	40 °C 100 °C	mm²/s mm²/s	ca. 30 ca. 11,5
Viscosity index	DIN ISO 2909			135
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
Oil separation		30 h/100 °C	Weight -%	< 5
Flow pressure	DIN 51 805	+20°C	mbar	< 125
Drop point	DIN ISO 2176		°C	> 185
Oxidation resistance	DIN 51 808	100h/100°C	bar	< 0,2
Additives				
Solid lubricants, type				PTFE
Application Data				
Density	DIN EN ISO 3838	+20°C	g/cm³	0,85
Colour				beige
Services Temperatures				
Minimum Services Temperature	DIN 51 805	< 1.400 hPa	°C	-60
Maximum Services Temperature	DIN 51 821-2	F_{50} (A/1500/600), 100h	°C	120
DN-Value			mm min	1.000.000
Water resistance	DIN 51 807-1	+90°C	Grad 1-3	1 - 90
Corrosion Protection Tests				
SKF-EMCOR	DIN 51 802	7 d/dest. water	Corr.-grade 1-5	0 und 0
Wear Protection Tests				
VKA- weld load (Four ball test)	DIN 51 350-4		N	2.000
Releases / Specifications				
Food industry				Acc. §31, Par. 1. LMBG NSF H2 reg.-no. 137708