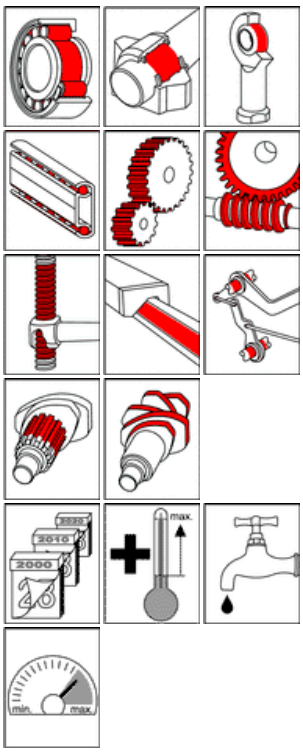
OKS 422 - Product Information

OKS 422
Universal Grease for Long-life lubrication



Fields of Application:

For lubricating roller and plain bearings, also threaded spindles, gearwheels, worms and similar components exposed to high pressures and extreme temperatures.

Advantages and Benefits:

Eminently suitable within temperature range specified under extreme stresses. Highly effective even when exposed to water. Economical due to low-wear operation and low lubrication frequencies. Outstanding resistance qualities in a wide temperature range and when subject to high stresses, vibrations, high surface slip speeds, and outdoor weather conditions.

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:

Packages (Article number):
- 120 ml CL- Cartridge (00422013)
- 400 g Cartridge (00422019)
- 1 kg Tin (00422034)
- 5 kg Hobbock (00422050)
- 25 kg Hobbock (00422062)
- 180 kg Drum (00422070)

Version
E-04.1/05

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Technical Data

	Norm	Conditions	Unit	Value
Classification	DIN 51 502	DIN 51 825		KPHC2R-40
Base Oil				
Type				Polyalfaolefin
Viskosity	DIN 51 562-1 DIN 51 562-1	40°C 100°C	mm²/s mm²/s	50 8
Pourpoint	DIN ISO 3016	3°C step	°C	> -65
Flash point	DIN ISO 2592	> 79	°C	268
Thickener				
Type				Barium complex soap
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	2
Worked penetration	DIN ISO 2137	60 DH	0,1 mm	265 - 295
Apparent dynamic viskosity	DIN 51 810	D 300s-1, n_a und n_e	mPas s	5.000
Flow pressure	DIN 51 805	-35°C	mbar	< 550
Drop point	DIN ISO 2176		°C	230
Oil separation	DIN 51 817	18h/40°C	Mass-%	< 0,7
Application Data				
Density	DIN EN ISO 3838	+20°C	g/cm³	0,99
Colour				light-coloured
Services Temperatures				
Minimum services temperature	DIN 51 805	< 1.400 hPa	°C	-40
Upper services temperature	DIN 51 821-2	F_{50} (A/1500/600), 100h	°C	180
Maximum services temperature			°C	200
DN- value			mm/min	800.000
Water resistance	DIN 51 807-1	+90°C	grade 1-3	0 - 90
Corrosion Protection Tests				
SKF-EMCOR	DIN 51 802		Corr.-grade 1-5	0 and 0
Wear Protection Tests				
VBT- weld load (Four ball test rig)	DIN 51 350-4		N	4.000
VBT- wear	DIN 51 350-5	1.420 U/min/1 h/800 N	mm	0,6