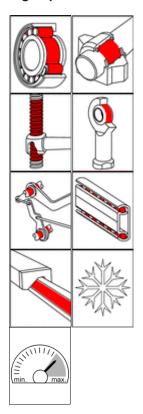


OKS 416 Low Temperature and High Speed Grease



OKS 416 - Product Information

Fields of Application:

For lubrication points of all kinds as slide ways, spindles, geared parts of the electronic, precision engineering and optical equipment, temporarily or permanently exposed to extreme low temperatures like in arctic climates or cold storages. Roller bearing lubrication of high-speed bearings, e.g. spindle bearings, miniature or precision bearings in machine-tools or textile machines, measuring equipment, electric motors of control technology and precision mechanics.

Advantages and Benefits:

Dynamic light noise proofed long-term lubrication grease. Best use at arctic conditions and very high speed. High efficiency through optimal formulation. Multifunctional application beside the regular range of performance for greases. Efficient through economical application. No nameable change of consistency at low temperatures or high speeds and accordingly temperatures. Oxidation stable and resistant against cold and hot water.

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. Fast running bearings (DN-value >400.000) should be filled to 1/4, normal moving bearings 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):

- 400 ml Cartridge (00416019)
- 1 kg Tin (00416034)
- 5 kg Hobbock (00416050)

Version E-03.1/13

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Technical Data

	Norm	Conditions	Unit	Value
Classification	DIN 51 502	DIN 51 825		KPE2K-50
Base Oil	-	-	•	
Туре				Ester, Mineral oil
Viscosity	DIN 51 562-1 DIN 51 562-1	40°C 100°C	mm²/s mm²/s	15 4
Thickener				
Туре				Lithium soap
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	2
Worked penetration	DIN ISO 2137	60 double strokes	0,1 mm	265 - 295
Drop point	DIN ISO 2176		°C	> 190
Oil separation	DIN 51 817	168h/40°C	Weight-%	< 6,0
Application Data				
Density	DIN EN ISO 3838	+20°C	g/cm³	0,88
Colour				yellow
Service Temperatures				
Minimum service temperature	DIN 51 805	< 1.400 hPa	°C	-50
Maximum service temperature	DIN 51 821-2	F ₅₀ (A/1500/6000), 100h	°C	120
DN- value			mm min	1.000.000
Water resistance	DIN 51 807-1	3h/90°C	Grade 1-3	1
Corrosion Protection Tests	-	-	•	
SKF-EMCOR	DIN 51 802	7d/dest. water	Corrgrade 0-5	0 - 1
Corrosion on copper	DIN 51 811	24h/120°C	Corrgrade 0-5	1
Wear Protection Tests				
VBT- weld load (Four ball test rig)	DIN 51 350-4		N	2.400
Releases / Specifications				
Biodegradability	CEC-L-33-A93	21 days	%	>70

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