



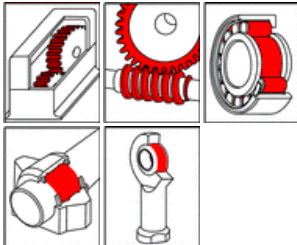
OKS 428 - Product Information

Fields of Application:

Lubrication of heavy loaded toothed gears and worm gears exposed to outdoor conditions and/or low temperatures, as well as tilted or vertical shafts, especially with gear designs which are not oil-tight. Lubrication of friction bearings with minimal bearing clearance or high circumferential speeds.

OKS 428

Fluid Grease for Gears, Advantages and Benefits:
synthetic



Long-term lubrication due to excellent resistance to oxidation and ageing. Wear reduction at maximum loading. Prevents leakage with angled or vertical shafts due to good adhesion on metallic surfaces. Flowing structure prevents grooving in gear units with continuous coverage of surfaces.

Application:

For best results clean the lubricating point carefully, e.g. with OKS 2610/OKS 2611 Universal Cleaner. Remove the corrosion protection ahead of the initial filling. Fill gear in a way that all the functional surfaces for sure transport the grease. Observe the instructions of the bearing or machine manufacturer. Relubrication with an automatic lubrication system or, if necessary, with a brush or spatula. 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 gear. At longer relubrication intervals a complete exchange of the old grease is recommended. Only mix with appropriate lubricants. For additional questions please contact our Technical Department.

Additional Information:

Packaging (article number):

- 1 kg Tin (00428034)
- 5 kg Hobbock (00428050)
- 25 kg Hobbock (00428062)
- 180 kg Drum (00428070)

Version:

E-01.1/06

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OKS 428 Fluid Grease for Gears, synthetic

Technical Data

	Norm	Conditions	Unit	Value
Classification	DIN 51 502	DIN 51 825		GPPG00K-40
Base Oil				
Type				Polyglykol
Viscosity	DIN 51 562-1	40°C	mm ² /s	120
	DIN 51 562-1	100°C	mm ² /s	20
Pourpoint	DIN ISO 3016	3°C step	°C	-45
Flash point	DIN ISO 2592	> 79	°C	>200
Thickener				
Type				Lithiumhydroxystearate
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	00
Worked penetration	DIN ISO 2137	60 DH	0,1 mm	400 - 430
Drop point	DIN ISO 2176		°C	> 160
Application Data				
Density	DIN EN ISO 3838	+20°C	g/cm ³	0,99
Colour				brown
Service Temperatures				
Minimum service temperature	DIN 51 805	< 1.400 hPa	°C	-30
Maximum service temperature	DIN 51 821-2	F ₅₀ (A/1500/600), 100h	°C	120
DN- value	none		mm min	600.000
Water resistance	DIN 51 807-1	+90°C	Grade 1-3	1 - 90
Corrosion protection tests				
SKF-EMCOR	DIN 51 802		Corr.-Grad 1-5	0 and 1
SKF-EMCOR, on copper	DIN 51 811	24h/100°C	Corr.-Grad 1-5	1/0 - 100
Wear protection tests				
VBT- weld load (Four ball test rig)	DIN 51 350-4		N	3.000
VBT- wear	DIN 51 350-5	1.420 U/min/1 h/150 N	mm	0,3
Timken	SEB 181 302	50 lbs	mg	< 5
FZG- test	DIN 51 354 T2	A/8,3/90	loading	> 12
FZG- test	DIN 51 354 T2	A/8,3/90	mg/kWh	< 0,2

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