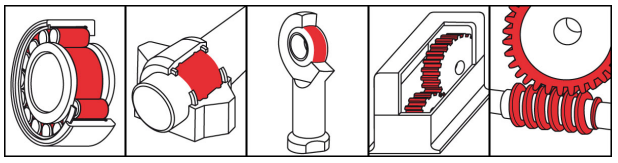
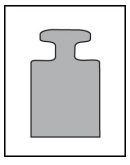
PRODUCT INFORMATION

OKS 428
Fluid Grease for Gears, synthetic





Description
OKS 428 is a synthetic fluid grease for gears.

Applications
- 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

Branches
- Iron and steel industry
- Rail vehicle technology
- Rubber and plastic processing
- Shipbuilding and marine technology
- Glass and foundry industry
- Logistics
- Plant and machine (tool) engineering
- Municipal services
- Paper and packaging industry
- Chemical industry

Advantages and benefits
- 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 tips
For best results clean the lubricating point carefully, e.g. with OKS 2610/OKS 2611 Universal Cleaner. Remove the corrosion protection before initial filling. Fill the 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. Mix with appropriate lubricants only.

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Packaging

- 1 kg Can
- 5 kg Hobbock
- 25 kg Hobbock

Technical Data

	Standard	Conditions	Unit	Value
Main components				
base oil				polyglycol
thickener				lithium hydroxystearate
Application related technical data				
DN value (dm x n)			mm/min	600,000
FZG wear protection test	DIN 51 354 T2	A/8,3/90	power level	> 12
SKF-EMCOR	DIN 51 802		corr. degree	0-1
SKF-EMCOR Copper	DIN 51 811	24h, 100°C	corr. degree	0-1
colour				brown
consistency	DIN 51 818	DIN ISO 2137	NLGI grade	0
density (at 20°C)	DIN EN ISO 3838		g/cm³	0.99
drop point	DIN ISO 2176		°C	> 160
flashing point	DIN ISO 2592	> 79	°C	> 200
four-ball test rig wear	DIN 51 350-5		mm	0.3
four-ball test rig welding load	DIN 51 350-4		N	3,000
lower operating temperature	DIN 51 805	≤ 1400hPa	°C	-30
marking	DIN 51 502	DIN 51 825		GPPG00K-40
pour point	DIN ISO 3016	3°C step	°C	-45
upper operating temperature	DIN 51 821-2	F50 (A/1500/6000), 100h	°C	120
viscosity at (100°C)	DIN 51 562-1	base oil	mm²/s	20
viscosity at (40°C)	DIN 51 562-1	base oil	mm²/s	120
water resistance	DIN 51 807-1	90°C	Degree 1-3	1
worked penetration	DIN ISO 2137	60DH	0.1 mm	400-430
Product specific technical data				
Timken	SEB 181 302	50lbs	mg	< 5

OKS Spezialschmierstoffe GmbH

Ganghoferstraße 47
82216 Maisach
Phone: +49 (0) 8142 3051 - 500
info@oks-germany.com
www.oks-germany.com

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