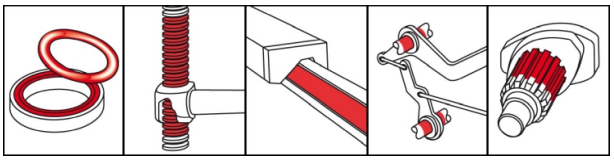
PRODUCT INFORMATION

OKS 230

MoS_2 High-Temperature Paste



Description

OKS 230 is a high-temperature paste with MoS_2.

Applications

- Lubrication of temperature-stressed machine parts, e.g. rolling bearings, friction bearings, slideways, chains, rollers or moving parts in hot forming, heat treatment or drying
- Dry lubrication, e.g. of kiln and rack-truck bearings, bearings of pouring ladles, converters or hot-air blowers at temperatures over 250°C
- Lubrication of plastic and rubber at normal temperature when the materials concerned are not resistant to mineral oil

Advantages and benefits

- Highly effective due to the strong affinity of the MoS_2 for metals
- Extremely low friction at highest loading capability
- Broad range of applications at temperatures up to 200°C as paste, over 200°C to 450°C as dry lubricant
- Resistant to water, fuels and lubricants, chemicals and hydraulic fluids

Branches

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

Application tips

For best adhesion, clean the threads and sliding surfaces from dirt and other lubricants. Best way is to clean mechanically first and then with OKS 2610 or OKS 2611 universal cleaner. Apply paste evenly thin onto the sliding areas with brush, spatula, etc. Remove excessing paste. When used for rolling bearings, dab paste in small amount with brush on sliding surface and spin the bearing several times. In operation, relubricate with OKS 310 MoS_2 High-temperature lubricant. Do not use paste instead of grease and only mix with appropriate lubricants.

Packaging

- 250 g Can
- 1 kg Can
- 5 kg Hobbock
- 25 kg Hobbock

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Technical data

	Standard	Conditions	Unit	Value
Main components				
base oil				polyglycol
thickener				lithium hydroxystearate
solid lubricants				other solid lubricants
solid lubricants				MoS_2
Application related technical data				
flashing point	DIN EN 22 719	> 79	°C	270
drop point	DIN ISO 2176		°C	> 180
unworked penetration	DIN ISO 2137	no shear stress	0.1 mm	250-280
lower operating temperature			°C	-35
upper operating temperature		lubrication	°C	180
upper operating temperature		separation	°C	450
colour				black
density	DIN EN ISO 3838	at 20°C	g/cm³	1.75
four-ball test rig welding load	DIN 51 350-4		N	3,200
Total friction coefficient (µ)	DIN EN ISO 16 047	screw ISO 4017 M10x55-8.8 black-oxide, nut ISO 4032 M10-10 black-oxide		0.1
breakaway torque	DIN 267-27	M10 A2, 40 Nm, 400 °C, 100 h	Nm	< 1,2 x tightening torque
press-fit test (µ)	draft DIN 51 833			0,11, no chatter

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Our Customer and Technical service will be pleased to help should you have any further questions.