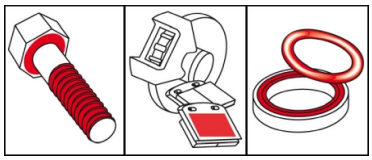
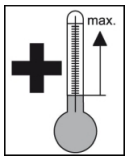
PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

OKS 240
Copper Paste





Description

High-temperature screw paste on copper basis for preventing corrosion, seizing and binding.

Applications

- Assembling screw threaded connections subjected to high temperatures and corrosive influences
- Screwed connections at pipe fittings, flange joints and fittings in superheated steam lines
- Combustion chamber screwed connections and mounting bolts of gas and oil burners
- Screwed connections at combustion engines, exhaust systems, silencers and exhaust gas pipe connections

Advantages and benefits

- Allows reliable non-destructive dismantling even after longer operating period under high operating and ambient temperatures
- Provides an optimal ratio of screw pretension and tightening torque
- Electrically conductive
- Also available as spray version OKS 241

Branches

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

Application tips

For best adhesion, clean contamination and other lubricants from thread and slide surfaces. Best way is to clean mechanically first (for example, with a wire brush) and then with OKS 2610/OKS 2611 universal cleaning agent. Apply sufficient OKS 240 evenly to the head or nut contact surface and to the thread by using a brush, spatula, etc. Do not use paste instead of grease and mix only with suitable lubricants.

Packaging

- 8 ml Tube
- 75 ml Tube
- 250 g Brush tin
- 1 kg Can
- 5 kg Hobbock
- 25 kg Hobbock

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Technical data

	Standard	Conditions	Unit	Value
Main components				
base oil				synthetic oil
thickener				inorganic
solid lubricants				copper
solid lubricants				other solid lubricants
solid lubricants				MoS_2
Application related technical data				
flashing point	DIN ISO 2592	> 79	°C	> 180
drop point	DIN ISO 2176		°C	without
unworked penetration	DIN ISO 2137	no shear stress	0.1 mm	295-340
lower operating temperature			°C	-30
upper operating temperature		separation	°C	1100
colour				copper-brown
density	DIN EN ISO 3838	at 20°C	g/cm³	1.3
four-ball test rig welding load	DIN 51 350-4		N	3,000
Total friction coefficient (μ)	DIN EN ISO 16 047	screw ISO 4017 M10x55-8.8 black-oxide, nut ISO 4032 M10-10 black-oxide		0.13
Total friction coefficient (μ)	DIN EN ISO 16 047	Screw ISO 4017 A2 M10x55-70, Nut ISO 4032 A2 M10-70		0.14
breakaway torque	DIN 267-27	M10 A2, 40 Nm, 400 °C, 100 h	Nm	< 2,5 x tightening torque
Properties and approvals				
UFI				E9H1-7007-M00H-J2S2

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