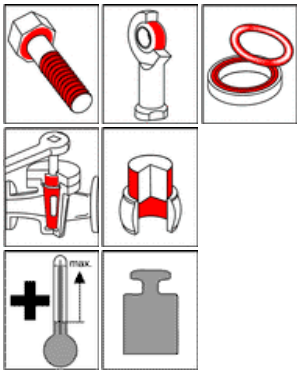
OKS 217 - Product Information

OKS 217
High-Temperature Paste, high-purity



Fields of Application:

Assembly lubrication of screw connections of high-strength steel subject to high temperatures, corrosive influences in chemically aggressive environments, e.g. on gas and steam turbines in power plants, combustion engines, threads on pipe fittings, flange joints and fittings in superheated steam lines, exhaust pipe and combustion chamber screwed connections etc. Parting lubrication of materials with a tendency to seize up, e.g. V2A, V4A and high-temperature steels.

Advantages and Benefits:

The special powder combination does not react with metal surfaces, preventing material changes which would otherwise be possible. Excellently suited for preventing seizing and binding. Highly effective against corrosion affects. Less than 500 mg metal and metal alloys, less than 200 mg sulphur, chlorine and fluorine per kg of paste. Free of lead compounds, sulphides, chlorides and fluorides.

Application:

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 in sufficient amount onto head/nut support and thread or onto the sliding areas with brush, spatula, etc. Paste also takes over sealing properties. Do not use paste instead of grease and only mix with appropriate lubricants. For further questions please contact our Technical Departement.

Additional Information:

Packaging (Article number):
- 250 g Tin (00217030)
- 1 kg Tin (00217034)
- 5 kg Hobbock (00217050)
- 25 kg Hobbock (00217062)

Version:
E-12.1/08

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Technical Data

	Norm	Conditions	Unit	Value
Base Oil				
Type				partly synthetic base oil
Thickener				
Unworked penetration	DIN ISO 2137	no shear stress	0,1 mm	280 - 310
Drop point	DIN ISO 2176		°C	none
Application Data				
Density	DIN EN ISO 3838	+20°C	g/cm³	1,21
Colour				black-grey
Service Temperatures				
Minimum service temperature			°C	-40
Maximum service temperature - separation			°C	1400
Water resistance	DIN 51 807-1	+90°C	Grade 1-3	1 - 90
Wear Protection Tests				
VBT- weld load (Four ball test rig)	DIN 51 350-4		N	4.400
Friction Values				
Press-Fit-Test	E DIN 51 833		µ	0,11 chatter from 4000 N
Thread friction value	DIN EN ISO 16047	Screw: ISO 4017 M10x55-8.8 plain Nut: ISO 4032 M10-10 plain	µ	0,10
Break-loose torque	DIN 267-27	M10 A2/40 Nm/400°C/100h	Nm	< 2,0 x tightening torque