



OKS 214 - Product Information

Fields of Application:

Assembly lubrication of threaded connections which in service are exposed to high temperatures and corrosive influences: for example, on combustion engines, threads on pipe fittings, flange joints and fittings in superheated steam lines, exhaust pipe and combustion chamber screwed connections, gas and oil burner mounting bolts. Long-term lubrication for components with longitudinal, rotating or oscillating movements.

Advantages and Benefits:

Avoidance of seizing or rusting in due to high temperatures, long operating duration, corrosive environment or moisture. Avoidance of contact corrosion thanks to marked corrosion protection. High pressure absorption capacity. Enables an optimum ratio of the screw tightening torque to the achievable screw pretension, and permits non-destructive dismantling even after high-temperature loading. Low consumption due to smooth, supple structure; extremely adhesive. Contains no toxic components and is metal-free.

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 and 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 Department.

Additional Information:

Packaging (Article number):

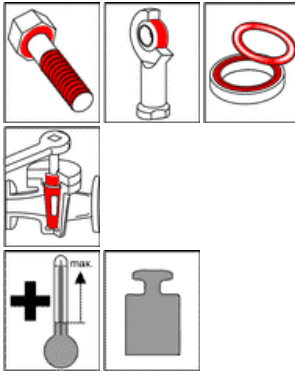
- 250 g Tin (00214030)
- 1 kg Tin (00214034)
- 5 kg Hobbock (00214050)
- 25 kg Hobbock (00214062)

Version:

E-04.1/05

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OKS 214 Metal-free High- Temperature Paste





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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
Additives				
Solid lubricants, type				metal free solid lubricants
Application Data				
Density	DIN EN ISO 3838	+20°C	g/cm ³	1,30
Colour				grey-black
Service Temperatures				
Minimum service temperature			°C	-40
Maximum service temperature - lubrication			°C	200
Maximum service temperature - separation			°C	1.100
Corrosion protection tests				
SKF-EMCOR	DIN 51 802		Cor.-Grade 1-5	0
Wear Protection Tests				
VB-T- weld load (Four ball test rig)	DIN 51 350-4		N	7.000
VB-T- wear	DIN 51 350-5	1.420 U/min/1 h/1.000 N	mm	1,1
Friction Values				
Press-Fit-Test	E DIN 51 833		μ	0,14, chatter from 4.000 N
Thread friction value	DIN EN ISO 16047	Screw: ISO 4017 M10x55-8.8 plain Nut: ISO 4032 M10-10 plain	μ	0,09
Break-loose torque	DIN 267-27	M10 A2/40 Nm/400°C/100h	x tightening torque	< 2,0

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