OKS 2501 - Product Information

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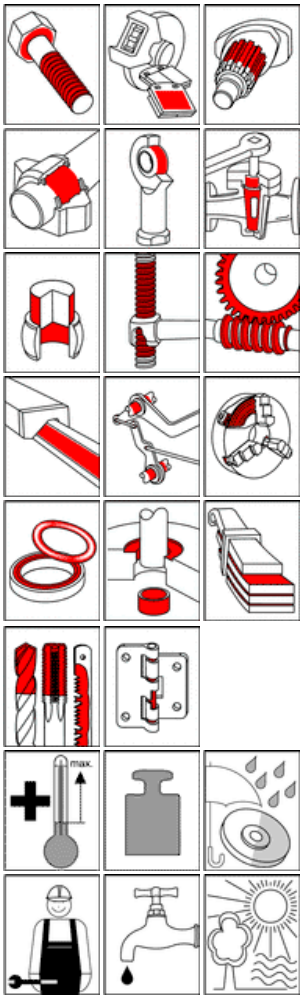
White Allround Paste, metal free, Spray



Fields of Application:

Lubrication of all kinds of high stressed sliding surfaces, especially at low sliding speeds or with oscillating movements, for example with screwed, mating or bayonet connections made of steel or non-ferrous metals. Separation of temperature-stressed screwed connections – for example, in combustion engines and turbines – even after extended periods of operation. Corrosion protection of screws, pins, bolts, flanges, spindles and adapters in refineries, steel and cement works and also for ships and agricultural machinery.

Advantages and Benefits:

A single paste for many different applications. High lubricating, reduces wear, provides dependable separation, and ensures outstanding protection against corrosion. Economic solution for users who previously relied on a wide variety of special pastes. Resistant to hot and cold water and also to most acids and lyes. Classed under category H2 by the NSF. Contains no metallic pigments and is free of graphite, molybdenum disulphide and also additives containing sulphur. Improved performance due to organic molybdenum complex compounds.

Application:

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 or OKS 2611 universal cleaner. Spray a suitable quantity of paste evenly to the head or nut contact surface and to the thread from a distance of 20 - 30 cm . The paste will also act as a sealant. Do not use paste instead of grease and mix only with suitable lubricants. Our customer advice service will be pleased to help should you have any further questions.

Additional Information:

Packaging (Article number):

- 400 ml Spray (02501004)

Version:
E-05.1/05

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Technical Data

	Norm	Conditions	Unit	Value
Base Oil				
Type				Synthetic oil
Viscosity	DIN 51 562-1	+40°C	mm²/s	21
Thickener				
Type				Polyurea
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	1 - 2
Unworked penetration	DIN ISO 2137	No shear stress	0,1 mm	280 - 320
Drop point	DIN ISO 2176		°C	none
Oil separation	DIN 51 817	168h/40°C	Mass-%	0,5
Additives				
Solid lubricants, type				White solid lubricants
Solid lubricants, entire share	DIN 51 831-1	> 25 µm	Mass-%	35 - 40
Additive			none	Mo_x-Active
Application Data				
Density	DIN EN ISO 3838	+20°C	g/cm³	1,2
Colour			none	white
Service Temperatures				
Minimum service temperature			°C	-40
Maximum service temperature,lubrication			°C	200
Maximum service temperature,separation			°C	1400
Water resistance	DIN 51 807-1	+90°C	Grade 1-3	1 - 90
Tests corrosion protection				
Salt spray test	DIN 50 021	Layer thickness 50 µm	h	> 500
Wear Protection Tests				
VBT- weld load (Four ball test rig)	DIN 51 350-4		N	4.000
SVR-oscillation friction apparatus		Cyl./plate,450N,1000µm,50Hz,2h	µ	0,10 - 0,13
SRV-width of wear		Cyl./plate,450N,1000µm,50Hz,2h	mm	0,3
Friction Values				
Press-fit-test	E DIN 51 833		µ	0,08, no chatter
Thread friction value	DIN EN ISO 16047	Screw: ISO 4017 M10x55-8.8 plane Nut: ISO 4032 M10-10 plane	µ	0,10
Break-loose torque		M10 A2/40 Nm/400 °C/100h	Nm	< 3,0 x tightening torque