

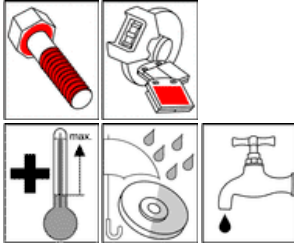


OKS 245 - Product Information

Fields of Application:

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. Avoidance of welding, seizing or rusting-on due to high temperatures and long operating durations. Enables an optimum ratio of screw tightening torque to achievable screw pretension and permits destruction-free dismantling.

OKS 245 Copper Paste with High Corrosion Protection



Advantages and Benefits:

Excellent suited for preventing binding of threads exposed to high temperatures, corrosive environments and moisture. Highly effective due to high level of pressure absorption. Excellent corrosion protection. Absolutely resistant to fresh water and seawater. Extreme surface adhesion. Free of lead and lead compounds.

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 with brush, spatula, etc. Paste protects from penetrating splashing or condensing water. 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 Brush tin(00245030)
- 1 kg Tin (00245034)
- 5 kg Hobbock (00245050)
- 25 kg Hobbock (00245062)

Version
E-04.1/05

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OKS 245 Copper Paste with High Corrosion Protection

Technical Data

| | Norm | Conditions | Unit | Value |
|--|------------------|--|-------------------|---------------------------|
| Base Oil | | | | |
| Type | | | | partly synthetic oil |
| Flash point | DIN ISO 2592 | > 79 | °C | > 200 |
| Thickener | | | | |
| Type | | | | Lithiumhydroxystearate |
| Unworked penetration | DIN ISO 2137 | no shear stress | 0,1 mm | 230 - 270 |
| Additives | | | | |
| Solid lubricants, type | | | | copper |
| Solid lubricants, particle size | DIN 51 832 | | µm | < 50 |
| Additives | | | | Corrosion protection |
| Application Data | | | | |
| Density | DIN EN ISO 3838 | | g/cm ³ | 1,0 |
| Colour | | | | copper brownish |
| Service Temperatures | | | | |
| Minimum service temperature | | | °C | -30 |
| Maximum service temperature - separation | | | °C | 1100 |
| Corrosion Protection Tests | | | | |
| SKF-EMCOR | DIN 51 802 | | Cor.-grade 1-5 | 0 und 1 |
| Salt spray test | DIN 50 021 | 50 µm | h | > 500 |
| Wear Protection Tests | | | | |
| VBT- weld load (Four ball test rig) | DIN 51 350-4 | | N | 2.600 |
| VKA- wear | DIN 51 350-5 | 1.420 U/min/1 h/800 N | mm | 0,4 |
| Friction Values | | | | |
| Press-Fit-Test | E DIN 51 833 | | | 0,12 |
| Thread friction value | DIN EN ISO 16047 | Screw: ISO 4017 M10x55-8.8 plain Nut: ISO 4032 M10-10 plain | | 0,15 |
| Break-loose torque | DIN 267-27 | M10 A2/40 Nm/400°C/100h | Nm | < 2,8 x tightening torque |

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