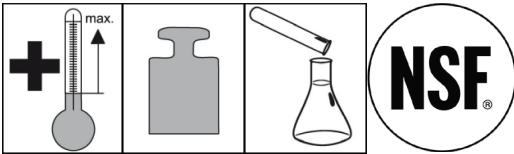
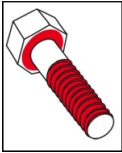


# OKS 210

## High-Temperature Screw Paste, for high-alloy steels



### Description

Special, ultra-pure, metal-free high-temperature paste to minimise chromium(VI) formation on bolted connections with high-alloy steels which are exposed to high temperatures or corrosive or chemically aggressive influences.

### Applications

- Assembly lubrication of high-alloy bolted connections exposed to high temperatures, or corrosive or chemically aggressive influences
- Lubrication of materials prone to galling or corroding, such as V2A, V4A and other high-alloy steels
- Such as those on gas and steam turbines in the power station sector
- In combustion engines
- Screwed connections on pipe fittings, flange joints and fittings in superheated steam lines
- Screwed connections on exhaust pipes, in combustion chambers and similar

### Branches

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

### Advantages and benefits

- Minimises chromium(VI) forming on steels with a chromium content when exposed to high temperatures
- Metal-free
- Less than 500 ppm of flourides, chlorides and sulphides
- Prevents galling of high-alloy bolted connections during assembly
- Allows non-destructive dismantling after a long period of use and under aggressive operating conditions
- Good water resistance
- Wide operating temperature range
- Constant coefficient of friction
- MOSH/MOAH-free (as per recipe)
- Registered by the NSF H1

### Packaging

- 150 g Dispenser
- 250 g Brush tin
- 1 kg Can
- 5 kg Hobbock
- 25 kg Hobbock

# OKS 210

## High-Temperature Screw Paste, for high-alloy steels

### Technical data

	Standard	Conditions	Unit	Value
<b>Main components</b>				
base oil				synthetic oil
thickener				Mix of different thickeners
solid lubricants				graphite
solid lubricants				Boron nitride
solid lubricants				other solid lubricants
<b>Application related technical data</b>				
drop point	DIN ISO 2176			without
consistency	DIN 51 818	DIN ISO 2137	NLGI grade	1
oil separation	DIN 51 817	7d/40°C	percent in weight	<3
lower operating temperature			°C	-40
upper operating temperature	DIN 51 821-2	separation	°C	1000
colour				grey
density (at 20°C)	DIN EN ISO 3838		g/cm <sup>3</sup>	1.02
water resistance	DIN 51 807-1	3h/90°C	Degree	0-90
thread friction coefficient (μ total)	DIN EN ISO 16 047	screw ISO 4017 M10x55-8.8 black-oxide, nut ISO 4032 M10-10 black-oxide		0.13
thread friction coefficient (μ total)	DIN EN ISO 16 047	Screw ISO 4017 A4 M10x55-70, Nut ISO 4032 A4 M10-70		0.15
breakaway torque	DIN 267-27	M10 A4, 40 Nm, 400 °C, 100 h	Nm	< 2,5 x tightening torque
<b>Properties and approvals</b>				
approval for food processing technology				<a href="#">NSF H1, Reg.-Nr. 169483</a>

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