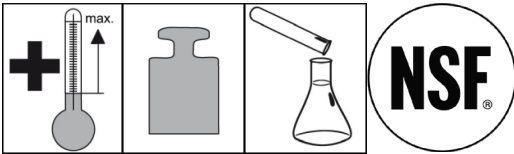
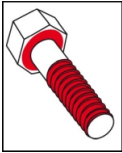


OKS 210

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

Packaging

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

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)

OKS 210

High-temperature Screw Paste, for high-alloy steels

Technical data

| | Standard | Conditions | Unit | Value |
|---|-------------------|--|-------------------|--|
| Main components | | | | |
| base oil | | | | synthetic oil |
| thickener | | | | Mix of different thickeners |
| solid lubricants | | | | graphite |
| solid lubricants | | | | Boron nitride |
| solid lubricants | | | | other solid lubricants |
| Application related technical data | | | | |
| drop point | DIN ISO 2176 | | | ohne |
| 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 ³ | 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 |
| press-fit test (μ) | draft DIN 51 833 | | | 0,12 no chatter |
| Properties and approvals | | | | |
| approval for food processing technology | | | | NSF H1_Reg.-Nr. 169483 |

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