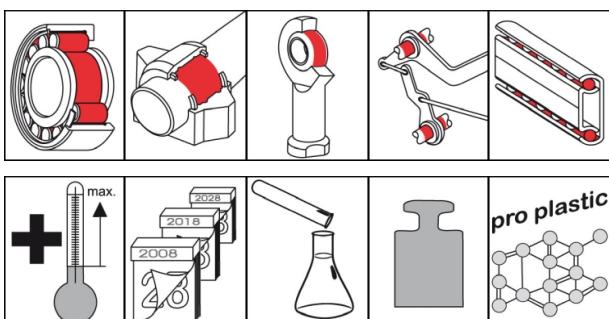




OKS 4210

Grease for Extremely High Temperatures



Description

Extreme-temperature bearing grease for use at high loads and temperatures.

Applications

- Grease lubrication of friction and rolling bearings in the high-temperature range up to 280°C
- Lubrication of tunnel kiln cars, baking, burn-in and drying furnaces, hot gas units, reaction vessels, boiler plants, roller and conveyor rollers in continuous furnaces, etc.
- Use at bearing points under influence of chemicals
- Lubrication of bearings under influence of fuel

Advantages and benefits

- Absolutely resistant to water and steam
- Resistant to solvents, for example benzene, benzol, acetone, trichloroethylene and against inorganic acids, for example sulphuric acid, hydrochloric acid and nitric acid as well as stearic acids, alcohols and halogens
- Broad range of applications above the temperature limits of other lubricating greases
- Excellent wear protection
- Reduced maintenance and lubricant costs due to possible lifetime lubrication
- Excellent plastic and elastomer compatibility

Branches

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

Application tips

Thorough cleaning of the bearings from other lubricants, for example with OKS 2610/OKS 2611 universal cleaning agent is imperative. Subsequently blow out with dry air. Before filling for first time, remove anti-corrosion agent. Fill the bearing such that all functional surfaces are certain of being greased. Fill bearings running slowly completely, fill high-speed bearings (DN value > 150,000) only up to about 2/3 of the free space inside the bearing. The bearing and machine manufacturer's instructions should be observed. Specify the relubrication frequency and quantity on the basis of the conditions of use. If old grease cannot be removed, restrict the quantity of grease so as to avoid overlubricating the bearing. Only mix with suitable lubricants.

Packaging

- 800 g Cartridge
- 5 kg Hobbock
- 1 kg Can
- 25 kg Hobbock



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Technical data

| | Standard | Conditions | Unit | Value |
|---|-----------------|-------------------------|--------------------|---------------------------|
| Main components | | | | |
| base oil | | | | perfluoropolyether (PFPE) |
| thickener | | | | PTFE |
| solid lubricants | | | | PTFE |
| Application related technical data | | | | |
| marking | DIN 51 502 | DIN 51 825 | | KFFK2U-40 |
| viscosity (base oil) | DIN 51 562-1 | at 40°C | mm ² /s | 390 |
| viscosity (base oil) | DIN 51 562-1 | at 100°C | mm ² /s | 37 |
| drop point | DIN ISO 2176 | | °C | without |
| consistency | DIN 51 818 | DIN ISO 2137 | NLGI grade | 2 |
| worked penetration | DIN ISO 2137 | 60DH | 0.1 mm | 265-295 |
| lower operating temperature | DIN 51 805 | < 1,400 hPa | °C | -40 |
| upper operating temperature | DIN 51 821-2 | F50 (A/1500/6000), 100h | °C | 280 |
| colour | | | | white |
| density | DIN EN ISO 3838 | at 20°C | g/cm ³ | 1.92 |
| DN value (dm x n) | | | mm/min | 500,000 |
| four-ball test rig welding load | DIN 51 350-4 | | N | 9,000 |
| four-ball test rig wear | DIN 51 350-5 | 1.420/min, 1h, 800N | mm | 0.6 |
| SKF-EMCOR | DIN 51 802 | | corr. degree | 0 |
| Properties and approvals | | | | |
| UFI | | | | AFR7-100E-S000-W5W7 |

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 Our Customer and Technical service will be pleased to help should you have any further questions.