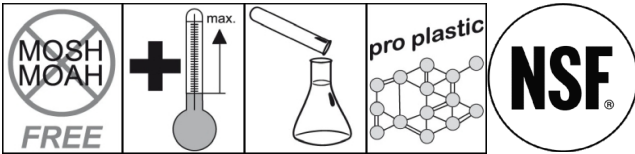
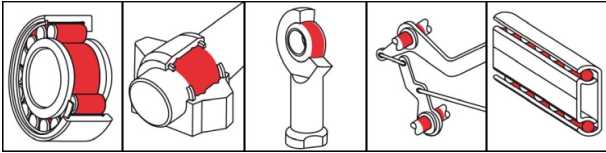


## OKS 4220 Extreme-Temperature Bearing Grease



### Description

Extreme-temperature grease on the basis of perfluorinated polyether oils (PFPE) for use in food processing technology at maximum loads and temperatures.

### Applications

- Grease lubrication of friction and rolling bearings in the high-temperature range
- Application, for example at 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/fuel

### Branches

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

### Application tips

Thorough cleaning of the bearings from other lubricants, for example with OKS 2610/OKS 2611 universal cleaner 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. If old grease cannot be removed, restrict the quantity of grease so as to avoid overlubricating the bearing. Only mix with suitable lubricants.

### Advantages and benefits

- Maximum water and steam resistance
- Extraordinary resistance to chemicals, for example to solvents, for example benzene, benzol, acetone, trichloroethylene and against inorganic acids, such as sulphuric acid, hydrochloric acid and nitric acid as well as stearic acids, alcohols and halogens
- Excellent plastic and elastomer compatibility
- For long-term lubrication of lubrication points subjected to high pressure up to 300°C
- Broad range of applications above the temperature limits of other lubricating greases
- Reduced maintenance and lubricant costs due to possible lifetime lubrication
- NSF H1 registered
- MOSH/MOAH-free (as per recipe)

# OKS 4220

## Extreme-Temperature Bearing Grease

### Packaging

- 40 ml Tube
- 500 g Can
- 800 g Cartridge
- 1 kg Can
- 5 kg Hobbock
- 25 kg Hobbock

### Technical data

|   | Standard               | Conditions   | Unit               | Value                     |
|---|------------------------|--------------|--------------------|---------------------------|
| <b>Main components</b>                    |                        |              |                    |                           |
| base oil                                  |                        |              |                    | perfluoropolyether (PFPE) |
| thickener                                 |                        |              |                    | PTFE                      |
| solid lubricants                          |                        |              |                    | PTFE                      |
| <b>Application related technical data</b> |                        |              |                    |                           |
| marking                                   | analogue to DIN 51 502 | DIN 51 825   |                    | KFFK2U-40                 |
| viscosity at (40°C)                       | DIN 51 562-1           | base oil     | mm <sup>2</sup> /s | 390                       |
| viscosity at (100°C)                      | DIN 51 562-1           | base oil     | mm <sup>2</sup> /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               |                        |              | °C                 | 280                       |
| colour                                    |                        |              |                    | white                     |
| density (at 20°C)                         | DIN EN ISO 3838        |              | g/cm <sup>3</sup>  | 1.92                      |
| DN value (dm x n)                         |                        |              | mm/min             | 500,000                   |
| four-ball test rig welding load           | DIN 51 350-4           |              | N                  | > 10,000                  |
| four-ball test rig wear                   | DIN 51 350-5           |              | mm                 | 0.6                       |
| SKF-EMCOR                                 | DIN 51 802             |              | corr. degree       | 0                         |
| <b>Properties and approvals</b>           |                        |              |                    |                           |
| approval for food processing technology   |                        |              |                    | NSF H1, Reg.-Nr. 124380   |

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