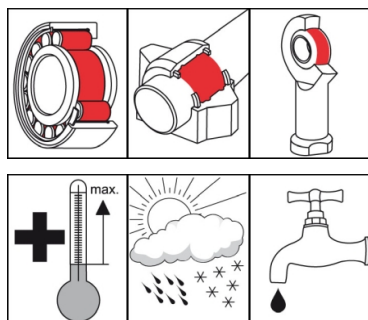


## OKS 4200

### MoS<sub>2</sub> High-Temperature Bearing Grease, synthetic



#### Description

OKS 4200 is a high-temperature grease with MoS<sub>2</sub> for long-term lubrication of rolling and friction bearings.

#### Applications

- Grease lubrication of plain and rolling bearings in high-temperature range, where a mineral oil based grease cannot be used, e.g. on hot-air blowers and fans, autoclaves, drying ovens or systems in steelworks and foundries

#### Branches

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

#### Advantages and benefits

- Drip-free hot bearing grease for a broad temperature range with high oxidations stability and moisture resistance
- Excellently suited for long-term lubrication of grease lubricating points subject to high-temperature loading
- Highly effective due to optimum high-performance formula
- Broad range of uses outside normal grease performance areas

#### Application tips

For best results clean the lubricating point carefully. Clean with solvents like OKS2610/OKS 2611 Universal Cleaner. Remove the corrosion protection ahead of the initial filling. Fill the bearings in a way that all the functional surfaces for sure get the grease. Slow moving bearings(DN-value < 50,000) should be filled completely, normal moving bearings should be filled to 1/3 of the free inner housing space. Observe the instructions of the bearing or machine manufacturer. Relubrication with a grease gun on to the grease nipples or with an automatic lubrication system. Relubrication intervals and amount to be defined acc. to the service conditions. If the removal of the old grease is not possible the amount of grease has to be limited to avoid excess lubrication of the bearing. At longer relubrication intervals a complete exchange of the old grease is recommended. Only mix with appropriate lubricants.

#### Packaging

- 400 ml Cartridge
- 1 kg Can
- 5 kg Hobbock
- 25 kg Hobbock
- 180 kg Drum

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#### Technical data

|                                           | Standard        | Conditions             | Unit               | Value               |
|-------------------------------------------|-----------------|------------------------|--------------------|---------------------|
| <b>Main components</b>                    |                 |                        |                    |                     |
| base oil                                  |                 |                        |                    | special mineral oil |
| base oil                                  |                 |                        |                    | polyalphaolefine    |
| thickener                                 |                 |                        |                    | bentonite           |
| solid lubricants                          |                 |                        |                    | MoS <sub>2</sub>    |
| <b>Application related technical data</b> |                 |                        |                    |                     |
| marking                                   | DIN 51 502      | DIN 51 825             |                    | KHCF2R-10           |
| viscosity (at 40°C)                       | DIN 51 562-1    | base oil               | mm <sup>2</sup> /s | 220                 |
| flashing point                            | DIN ISO 2592    | > 79                   | °C                 | > 200               |
| 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                 | -10                 |
| upper operating temperature               | DIN 51 821-2    | F50 (A/1500/600), 100h | °C                 | 180                 |
| colour                                    |                 |                        |                    | black               |
| density (at 20°C)                         | DIN EN ISO 3838 |                        | g/cm <sup>3</sup>  | 0.93                |
| water resistance                          | DIN 51 807-1    | 90°C                   | Degree             | 1-90                |
| DN value (dm x n)                         |                 |                        | mm/min             | 400,000             |
| four-ball test rig welding load           | DIN 51 350-4    |                        | N                  | 2,600               |
| four-ball test rig wear                   | DIN 51 350-5    |                        | mm                 | 0.7                 |
| SKF-EMCOR                                 | DIN 51 802      |                        | corr. degree       | 0-0                 |

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