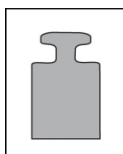
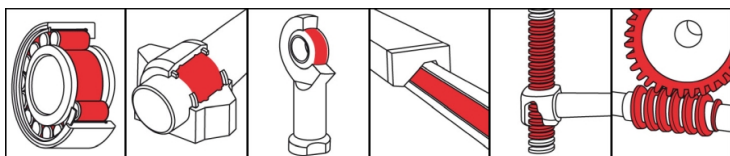


# OKS 4100

## MoS<sub>2</sub> Extreme Pressure Grease



### Description

OKS 4100 is a extreme pressure grease with MoS<sub>2</sub> for slow-running rolling and friction bearings at very high.

### Applications

- Grease lubrication of rolling and plain bearings subject to very heavy loading
- Protection of bearings against harmful impurities
- Protection against corrosion, maintenance of lubricating effect, even when exposed to large quantities of water

### Branches

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

### Advantages and benefits

- Excellently suited as a high-performance lubricating grease due to special EP properties and solid lubricants
- The high base oil viscosity, with a stable soap basis even when exposed to water, results in a particular suitability for heavily loaded, slow-running bearings even with impact loading
- Good emergency running properties due to solid lubricants

### Application tips

For best results clean the lubrication point with OKS 2610/OKS 2611 Universal Cleaner. Remove the corrosion protection media before initial filling. Fill the bearings in a way that all the functional surfaces are lubricated sufficiently. 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. For longer relubrication intervals, a complete exchange of the old grease is recommended. Mix with appropriate lubricants only.

### Packaging

- 400 ml Cartridge
- 5 kg Hobbock
- 25 kg Hobbock

# OKS 4100

## MoS<sub>2</sub> Extreme Pressure Grease

### Technical data

|   | Standard        | Conditions             | Unit               | Value                |
|---|-----------------|------------------------|--------------------|----------------------|
| <b>Main components</b>                    |                 |                        |                    |                      |
| base oil                                  |                 |                        |                    | mineral oil          |
| thickener                                 |                 |                        |                    | lithium-calcium soap |
| solid lubricants                          |                 |                        |                    | graphite             |
| solid lubricants                          |                 |                        |                    | MoS <sub>2</sub>     |
| <b>Application related technical data</b> |                 |                        |                    |                      |
| marking                                   | DIN 51 502      | DIN 51 825             |                    | KPF2K-20             |
| viscosity (at 40°C)                       | DIN 51 562-1    | base oil               | mm <sup>2</sup> /s | 1,020                |
| viscosity at (100°C)                      | DIN 51 562-1    | base oil               | mm <sup>2</sup> /s | 58                   |
| drop point                                | IP 396          |                        | °C                 | > 180                |
| 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                 | -20                  |
| upper operating temperature               | DIN 51 821-2    | F50 (A/1500/600), 100h | °C                 | 120                  |
| colour                                    |                 |                        |                    | black                |
| density (at 20°C)                         | DIN EN ISO 3838 |                        | g/cm <sup>3</sup>  | 0.92                 |
| water resistance                          | DIN 51 807-1    |                        | Degree             | 1-90                 |
| DN value (dm x n)                         |                 |                        | mm/min             | 100,000              |
| four-ball test rig welding load           | DIN 51 350-4    |                        | N                  | > 4,000              |
| SKF-EMCOR                                 | DIN 51 802      |                        | corr. degree       | 0-0                  |
| <b>Properties and approvals</b>           |                 |                        |                    |                      |
| UFI                                       |                 |                        |                    |                      |

### OKS Spezialschmierstoffe GmbH

Ganghoferstraße 47

82216 Maisach

+49 8142 3051 - 500

info@oks-germany.com

www.oks-germany.com



The information in this publication reflects state-of-the-art technology, as well as extensive testing and experience. Due to the diversity of possible applications and technical realities, they can only serve as recommendations and are not arbitrarily transferable. Therefore, no obligations, liability or warranty claims can be derived from them. We only accept liability for the suitability of our products for particular purposes, and for certain properties of our products, in the event that we have accepted such liability in writing in the individual case. Any case of justified warranty claims shall be limited to the delivery of replacement goods free of defects, in the event that this subsequent improvement fails, to reimbursement of the purchase price. Any and all further claims, in particular the liability for consequential injuries or damage, shall always be excluded. Prior to use, the customer must conduct its own testing to prove suitability. The data are subject to change for the sake of progress. ® = Registered trademark  
**Product restricted to professional users.** Safety data sheet available for download at [www.oks-germany.com](http://www.oks-germany.com)  
 Our Customer and Technical service will be pleased to help should you have any further questions.