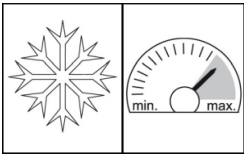
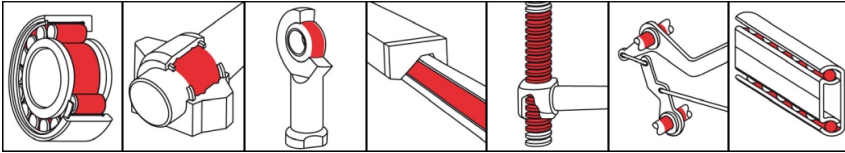


OKS 416

Low-Temperature and High-Speed Grease



Description

OKS 416 is a low temperature and high speed grease.

Applications

- For lubrication points of all kinds as slide ways, spindles, geared parts of the electronic, precision engineering and optical equipment, temporarily or permanently exposed to extreme low temperatures like in arctic climates or cold storages
- Roller bearing lubrication of high-speed bearings, e.g. spindle bearings, miniature or precision bearings in machine-tools or textile machines, measuring equipment, electric motors of control technology and precision mechanics

Branches

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

Advantages and benefits

- Dynamic light noise proofed long-term lubrication grease
- Best use at arctic conditions and very high speed
- High efficiency through optimal formulation
- Multifunctional application beside the regular range of performance for greases
- Efficient through economical application
- No nameable change of consistency at low temperatures or high speeds and accordingly temperatures
- Oxidation stable and resistant against cold and hot water

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. Fast running bearings (DN-value > 400,000) should be filled to 1/4, normal moving bearings 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.

OKS 416

Low-Temperature and High-Speed Grease

Packaging

- 400 ml Cartridge
- 1 kg Can
- 5 kg Hobbock

Technical data

| | Standard | Conditions | Unit | Value |
|---|-----------------|-------------------------|--------------------|--------------|
| Main components | | | | |
| base oil | | | | mineral oil |
| base oil | | | | ester |
| thickener | | | | lithium soap |
| Application related technical data | | | | |
| marking | DIN 51 502 | DIN 51 825 | | KPE2K-50 |
| viscosity (at 40°C) | DIN 51 562-1 | base oil | mm ² /s | 15 |
| viscosity at (100°C) | DIN 51 562-1 | base oil | mm ² /s | 4 |
| drop point | DIN ISO 2176 | | °C | > 190 |
| consistency | DIN 51 818 | DIN ISO 2137 | NLGI grade | 2 |
| worked penetration | DIN ISO 2137 | 60DH | 0.1 mm | 265-295 |
| oil separation | DIN 51 817 | 168h/40°C | percent in weight | < 6.0 |
| lower operating temperature | DIN 51 805 | ≤ 1,400 hPa | °C | -50 |
| upper operating temperature | DIN 51 821-2 | F50 (A/1500/6000), 100h | °C | 120 |
| colour | | | | yellow |
| density (at 20°C) | DIN EN ISO 3838 | | g/cm ³ | 0.88 |
| water resistance | DIN 51 807-1 | 3h/90°C | Degree | 1-90 |
| DN value (dm x n) | | | mm/min | 1,000,000 |
| four-ball test rig welding load | DIN 51 350-4 | | N | 2,400 |
| SKF-EMCOR | DIN 51 802 | 7 days, distilled water | corr. degree | 0-1 |
| SKF-EMCOR Copper | DIN 51 811 | 24h, 100°C | corr. degree | 1 |
| Product specific technical data | | | | |
| biodegradability | CEC-L-33-A94 | 21 days | % | > 70 |
| Properties and approvals | | | | |
| UFI | | | | |

OKS Spezialschmierstoffe GmbH

Ganghoferstraße 47

82216 Maisach

☎ +49 8142 3051 - 500

✉ info@oks-germany.com

🌐 www.oks-germany.com

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