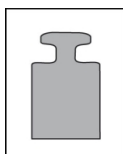
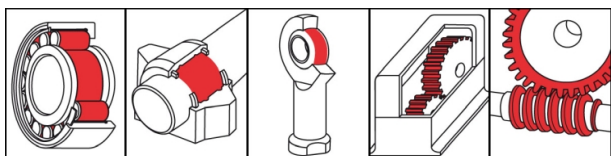


OKS 428

Fluid Grease for Gears, synthetic



Description

OKS 428 is a synthetic fluid grease for gears.

Applications

- Lubrication of heavy loaded toothed gears and worm gears exposed to outdoor conditions and/or low temperatures, as well as tilted or vertical shafts, especially with gear designs which are not oil-tight
- Lubrication of friction bearings with minimal bearing clearance or high circumferential speeds

Branches

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

Application tips

For best results clean the lubricating point carefully, e.g. with OKS 2610/OKS 2611 Universal Cleaner. Remove the corrosion protection before initial filling. Fill the gear in a way that all the functional surfaces for sure transport the grease. Observe the instructions of the bearing or machine manufacturer. Relubrication with an automatic lubrication system or, if necessary, with a brush or spatula. 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 gear. At longer relubrication intervals a complete exchange of the old grease is recommended. Mix with appropriate lubricants only.

Packaging

- 1 kg Can
- 5 kg Hobbock
- 25 kg Hobbock

Advantages and benefits

- Long-term lubrication due to excellent resistance to oxidation and ageing
- Wear reduction at maximum loading
- Prevents leakage with angled or vertical shafts due to good adhesion on metallic surfaces
- Flowing structure prevents grooving in gear units with continuous coverage of surfaces



OKS 428

Fluid Grease for Gears, synthetic

Technical data

| | Standard | Conditions | Unit | Value |
|---|-----------------|-------------------------|--------------------|-------------------------|
| Main components | | | | |
| base oil | | | | polyglycol |
| thickener | | | | lithium hydroxystearate |
| Application related technical data | | | | |
| marking | DIN 51 502 | DIN 51 825 | | GPPG00K-30 |
| viscosity at (40°C) | DIN 51 562-1 | base oil | mm ² /s | 120 |
| viscosity at (100°C) | DIN 51 562-1 | base oil | mm ² /s | 20 |
| pour point | DIN ISO 3016 | 3°C step | °C | -45 |
| flashing point | DIN ISO 2592 | > 79 | °C | > 200 |
| drop point | DIN ISO 2176 | | °C | > 160 |
| consistency | DIN 51 818 | DIN ISO 2137 | NLGI grade | 00 |
| worked penetration | DIN ISO 2137 | 60DH | 0.1 mm | 400-430 |
| lower operating temperature | DIN 51 805 | ≤ 1,400 hPa | °C | -30 |
| upper operating temperature | DIN 51 821-2 | F50 (A/1500/6000), 100h | °C | 120 |
| colour | | | | brown |
| density (at 20°C) | DIN EN ISO 3838 | | g/cm ³ | 0.99 |
| water resistance | DIN 51 807-1 | 3h/90°C | Degree | 1-90 |
| DN value (dm x n) | | | mm/min | 600,000 |
| four-ball test rig welding load | DIN 51 350-4 | | N | 3,000 |
| four-ball test rig wear | DIN 51 350-5 | | mm | 0.3 |
| SKF-EMCOR | DIN 51 802 | | corr. degree | 0-1 |
| SKF-EMCOR Copper | DIN 51 811 | 24h, 100°C | corr. degree | 0-1 |
| FZG wear protection test | DIN 51 354 T2 | A/8,3/90 | power level | > 12 |
| Product specific technical data | | | | |
| Timken | SEB 181 302 | 50lbs | mg | < 5 |

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

