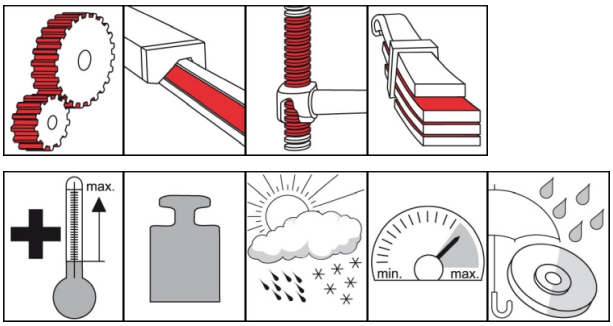
a product brand of KLÜBER LUBRICATION

# OKS 490
## Toothed Gearing Grease, sprayable




### Description

OKS 490 is a gear lubrication grease for open and half open gears.

### Applications

- For highest contact pressure and high circumferential speed, e.g. for rotary kilns, ball mills, rotary barrel mixers, ball mills, rope winches or friction presses also for guiding elements, slide bars, heavy transport chains and closed wire ropes
- Lubrication of rotating assemblies of convertors, cranes, crushers and dredges with spray or central lubricating systems
- Lubrication of heavily loaded gear couplings

### Advantages and benefits

- Most suitable for reliable supply of open gears, even at high circumferential speed
- Very efficient through EP additives in association with a specific combination of solid lubricants and adhesive additives
- Reliable protection of tooth flanks, even at high temperatures and with extended relubrication time
- Good pressure resistance of the lubricating film, excellent wear protection
- The film is not embrittling and aging. Without bitumen, solvent, does not contain heavy metals

### Branches

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

### Application tips

For best results clean the sliding surfaces carefully, e.g. with OKS 2610/OKS 2611 Universal Cleaner. For lubrication with spray lubricating systems, with a brush or a spatula. Instructions of the gear or machine manufacturer should be observed. Relubrication periods and amount should be defined according to the operating conditions. Avoid overfeeding. Only mix with appropriate lubricants.

### Packaging

- 1 kg Can
- 5 kg Hobbock
- 25 kg Hobbock
- 180 kg Drum


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PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

# OKS 490
## Toothed Gearing Grease, sprayable

### Technical data

| | Standard | Conditions | Unit | Value |
|---|---|---|---|---|
| **Main components** | | | | |
| base oil | | | | mineral oil |
| thickener | | | | aluminium soap |
| solid lubricants | | | | graphite |
| additives | | | | EP additives |
| **Application related technical data** | | | | |
| marking | DIN 51 502 | DIN 51 825 | | OG PF 0 S-30 |
| Viscosity base oil | DIN 51 562-1 | at 40°C | $mm^2/s$ | 1,000 |
| Viscosity base oil | DIN 51 562-1 | at 100°C | $mm^2/s$ | 53 |
| drop point | DIN ISO 2176 | | °C | 90 |
| consistency | DIN 51 818 | DIN ISO 2137 | NLGI grade | 0 |
| worked penetration | DIN ISO 2137 | 60DH | 0.1 mm | 355-385 |
| lower operating temperature | | lubricating film | °C | -30 |
| upper operating temperature | | at relubrication | °C | 220 |
| colour | | | | black |
| density | DIN EN ISO 3838 | at 20°C | $g/cm^3$ | 0.98 |
| water resistance | DIN 51 807-1 | 40°C | Degree | 0-40 |
| four-ball test rig welding load | DIN 51 350-4 | | N | approx. 6,500 |
| four-ball test rig wear | DIN 51 350-5 | | mm | < 0.8 |
| SKF-EMCOR Copper | DIN 51 802 | 24h, 100°C | corr. degree | 1-100 |
| FZG wear protection test | DIN 51 354 | A2/76/50 | power level | > 12 |

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