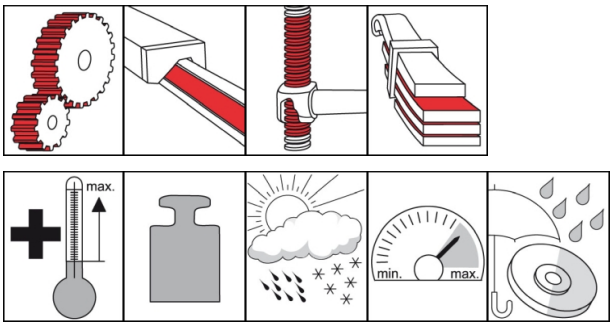
PRODUCT INFORMATION

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

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

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

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

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	mm²/s	1,000
viscosity (base oil)	DIN 51 562-1	at 100°C	mm²/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/cm³	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

Klüber Lubrication München GmbH & Co. KG
Geisenhausenerstraße 7 / 81379 München / Germany / phone +49 89 7876-0