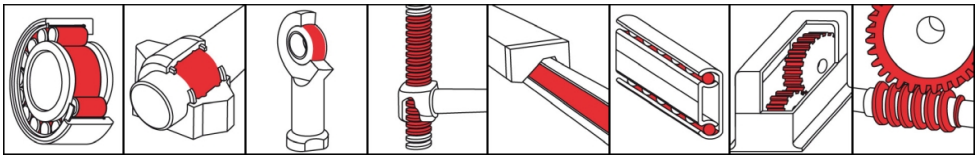
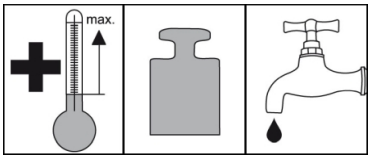
PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

OKS 420
High-Temperature Multipurpose Grease





Description

OKS 420 is a high-temperature grease for universal use at increased requirements.

Applications

- Gearbox lubrication of heavily loaded, relatively slow-running toothed gearing when grease is used instead of oil due to leaks
- For heavily loaded and impact-loaded drives
- Chain lubrication, e.g. of hollow-pin chains in the conveyance and transport sector, for exposure to water and steam and at higher operating temperatures
- Bearing lubrication of friction and rolling bearings in annealing yards and drying systems, manipulators and robots, cooling-bed and conveyor systems, machines in food packing industry, steam sterilisers etc.

Advantages and benefits

- Excellently suited for corrosive operating conditions with high operating temperatures and high pressure and impact loads
- Economical due to optimised formula
- Enables wear reduction, decreasing failure times and enabling long-term lubrication
- Long-acting, highly adhesive, temperature-stable and waterproof, noise-damping, impact and pressure resistant

Branches

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

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Application tips

For best results clean the lubricating point carefully. Clean with solvents like OKS 2610/OKS 2611 Universal Cleaner. Remove the corrosion protection ahead of the initial filling. Fill the bearings in a way that all the functional surfaces for sure get the grease. 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. At longer relubrication intervals a complete exchange of the old grease is recommended. Only mix with appropriate lubricants

Packaging

- 400 ml Cartridge
- 1 kg Can
- 5 kg Hobbock
- 25 kg Hobbock
- 180 kg Drum

Technical data

	Standard	Conditions	Unit	Value
Main components				
base oil				mineral oil
thickener				Polyurea
additives				Mox-Active
Application related technical data				
marking	analogue to DIN 51 502			KP1-2P-10
Viscosity base oil	DIN 51 562-1	at 40°C	mm^2/s	490
Viscosity base oil	DIN 51 562-1	at 100°C	mm^2/s	32
drop point	IP 396		°C	> 230
consistency	DIN 51 818	DIN ISO 2137	NLGI grade	1-2
worked penetration	DIN ISO 2137	60DH	0.1 mm	290-320
lower operating temperature	DIN 51 805	≤ 1,400 hPa	°C	-10
upper operating temperature			°C	160
colour				beige
density	DIN 51 757	at 20°C	g/cm^3	0.9
water resistance	DIN 51 807-1	3h/90°C	Degree	1-90
DN value (dm x n)			mm/min	300,000
four-ball test rig wear	DIN 51 350-5	1.420/min, 1h, 800N	mm	< 1.0
Properties and approvals				
UFI				35P3-G0PG-7001-U0QA

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

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