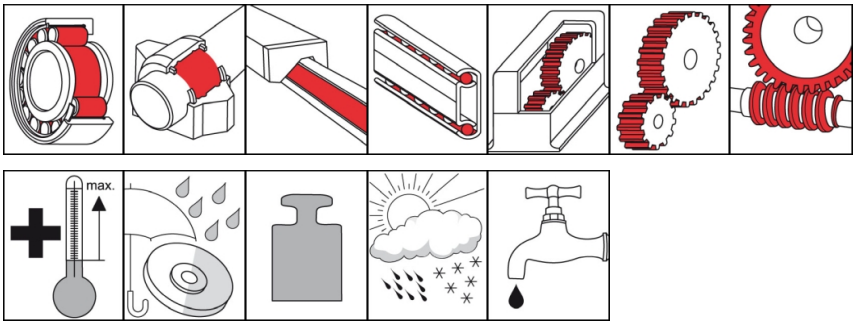


PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

OKS 427
Gear and Bearing Grease



Description

OKS 427 is a gear and bearing grease at high temperatures and high loads.

Applications

- Lubrication of highly stressed and relatively slowly running gears where due to leakage a grease must be used instead of oil
- For drives under high and shock load
- Chain lubrication of e.g. hollow pins, chains in the conveyor and transport field, under the influence of water and vapour and at higher operation temperatures
- Bearing lubrication of roller and plain bearings at annealing furnaces and drying equipments, manipulators and robots, conveyor and cooling systems, machines of preserve industry, steam sterilizers, etc.

Advantages and benefits

- Best use in corrosive operation conditions with high operation temperatures and high pressure and shock load
- Economically due to optimum formulation
- Reduces wear and thereby downtime and enables long-term lubrication
- Ropy, strongly adhesive, temperature and water resistant, noise dampening, high-load and shock absorbing

Branches

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

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Application tips

For optimum effect clean thoroughly the lubrication point e.g. with OKS 2610/2611 Universal Cleaner. Before initial filling remove corrosion protection agent. Fill bearing so that all functional areas receive grease for sure. Normal bearings are filled up to 1/3 of the free interior housing space. Slow-running bearings (DN value < 50,000) and their housings have to be completely filled. Fill gear housings only up to 3/4. Instructions of the bearing and machine manufacturer have to be observed. 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. Do only mix with suitable lubricants.

Packaging

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

Technical data

	Standard	Conditions	Unit	Value
Main components				
base oil				mineral oil
base oil				synthetic oil
thickener				Polyurea
Application related technical data				
marking	analogue to DIN 51 502			GP0/00P-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
consistency	DIN 51 818	DIN ISO 2137	NLGI grade	0-00
worked penetration	DIN ISO 2137	60DH	0.1 mm	380-420
lower operating temperature			°C	-15
upper operating temperature			°C	160
colour				brownish
density	DIN EN ISO 3838	at 20°C	g/cm^3	0.88
water resistance	DIN 51 807-1	3h/90°C	Degree	1-90

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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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