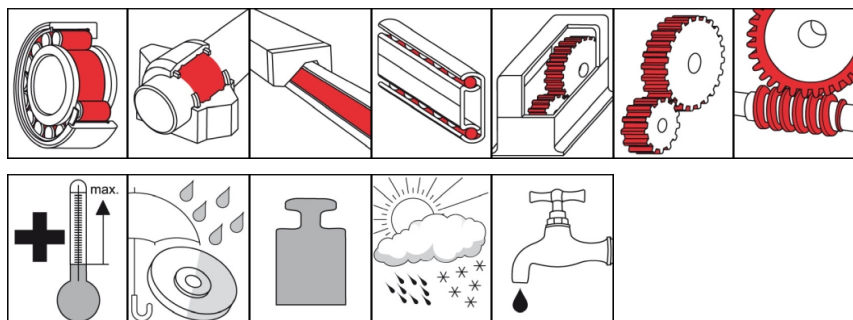


# OKS 427

## 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

# OKS 427

## Gear and Bearing Grease

### 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
<b>Main components</b>				
base oil				mineral oil
base oil				synthetic oil
thickener				Polyurea
<b>Application related technical data</b>				
marking	analogue to DIN 51 502			GPO/00P-10
viscosity (at 40°C)	DIN 51 562-1	base oil	mm <sup>2</sup> /s	490
viscosity at (100°C)	DIN 51 562-1	base oil	mm <sup>2</sup> /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 (at 20°C)	DIN EN ISO 3838		g/cm <sup>3</sup>	0.88
water resistance	DIN 51 807-1	3h/90°C	Degree	1-90
<b>Properties and approvals</b>				
UFI				

### OKS Spezialschmierstoffe GmbH

Ganghoferstraße 47  
 82216 Maisach  
 +49 8142 3051 - 500  
 info@oks-germany.com  
 www.oks-germany.com



The information in this publication reflects state-of-the-art technology, as well as extensive testing and experience. Due to the diversity of possible applications and technical realities, they can only serve as recommendations and are not arbitrarily transferable. Therefore, no obligations, liability or warranty claims can be derived from them. We only accept liability for the suitability of our products for particular purposes, and for certain properties of our products, in the event that we have accepted such liability in writing in the individual case. Any case of justified warranty claims shall be limited to the delivery of replacement goods free of defects, in the event that this subsequent improvement fails, to reimbursement of the purchase price. Any and all further claims, in particular the liability for consequential injuries or damage, shall always be excluded. Prior to use, the customer must conduct its own testing to prove suitability. The data are subject to change for the sake of progress. ® = Registered trademark  
**Product restricted to professional users.** Safety data sheet available for download at [www.oks-germany.com](http://www.oks-germany.com)  
 Our Customer and Technical service will be pleased to help should you have any further questions.