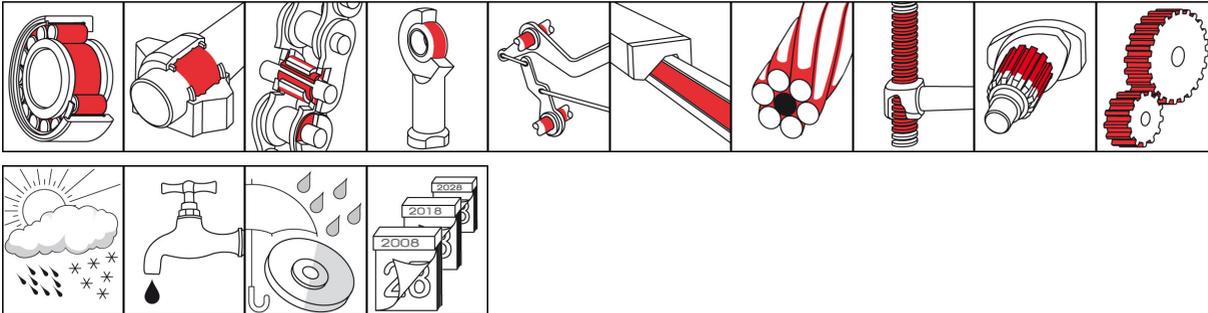


## OKS 403 Marine Grease



### Description

OKS 403 is a marine grease for lubrication of machine elements subjected to water or sea water.

### Applications

- Lubrication of open toothing, friction and rolling bearings, threaded spindles, hinges, guides on windlasses, ship's cranes, underwater devices, offshore components or in wet areas of the textile industry
- Corrosion protection of moving parts subject to seawater in coastal and marine areas or constant influence of water

### Advantages and benefits

- Excellently suited as a waterproof special grease above and under water
- Highly effective due to optimum wear and outstanding corrosion protection
- Economical due to combined protective effect

### Branches

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

### 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.



## PRODUCT INFORMATION

# OKS 403 Marine Grease

### Packaging

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

### Technical Data

	Standard	Conditions	Unit	Value
<b>Main components</b>				
base oil				mineral oil
thickener				calcium soap
<b>Application related technical data</b>				
marking				KP1-2E-20
viscosity at (40°C)	DIN 51 562-1	base oil	mm <sup>2</sup> /s	100
viscosity at (100°C)	DIN 51 562-1	base oil	mm <sup>2</sup> /s	9
drop point	IP 396		°C	> 100
consistency	DIN 51 818	DIN ISO 2137	NLGI grade	1-2
worked penetration	DIN ISO 2137	60DH	0.1 mm	285-315
lower operating temperature	DIN 51 805	≤ 1400hPa	°C	-25
upper operating temperature	DIN 51 821-2	F50 (A/1500/600), 100h	°C	80
maximal operating temperature			°C	80
colour				brown
density (at 20°C)	DIN 51 757		g/cm <sup>3</sup>	0.94
water resistance	DIN 51 807	40°C	Degree	0-40
DN value (dm x n)			mm/min	350,000
four-ball test rig welding load	DIN 51 350-4		N	3,000
SKF-EMCOR	DIN 51 802	with 3% NaCl solvent	corr. degree	0-1

### OKS Spezialschmierstoffe GmbH

Ganghoferstraße 47  
82216 Maisach  
Phone: +49 (0) 8142 3051 - 500  
info@oks-germany.com  
[www.oks-germany.com](http://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  
**Safety data sheet** for industrial and commercial users is available for downloading under [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.