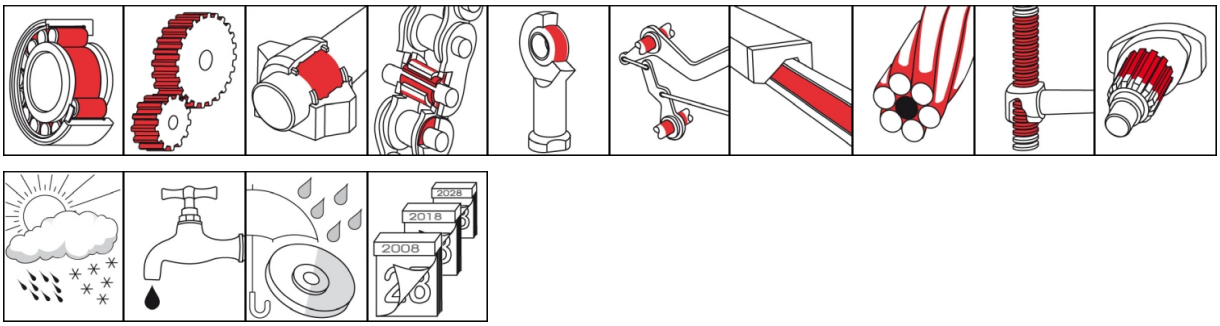
a product brand of KLÜBER LUBRICATION

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

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

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.

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PRODUCT INFORMATION

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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
Main components				
base oil				mineral oil
thickener				calcium soap
Application related technical data				
marking				KP1-2E-20
Viscosity base oil	DIN 51 562-1	at 40°C	mm²/s	100
Viscosity base oil	DIN 51 562-1	at 100°C	mm²/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	≤ 1,400 hPa	°C	-25
upper operating temperature	DIN 51 821-2	F50 (A/1500/600), 100h	°C	80
maximal operating temperature			°C	80
colour				brown
density	DIN 51 757	at 20°C	g/cm³	0.94
water resistance	DIN 51 807-1	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
Properties and approvals				
UFI				XEU3-C0SP-W006-6U88

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