



OKS 403 - Product Information

Fields of Application:

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 for water and channel structures.

OKS 403 Marine Grease

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.

Application:

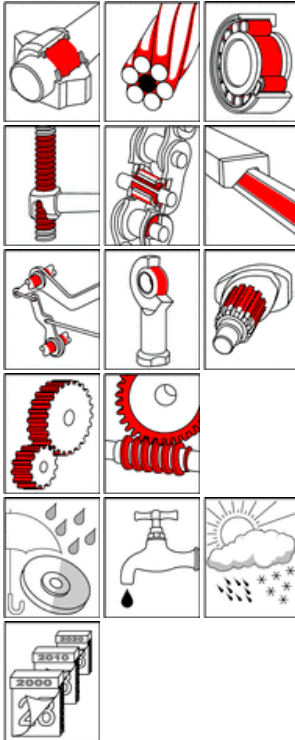
For best results clean the lubricating point carefully. Clean with solvents like OKS 2610/OKS 2611 Universal Cleaner. Remove the corrosion protection ahead of the initial filling. Fill the bearings in a way that all the functional surfaces for sure get the grease. Slow moving bearings (DN-value < 50.000) 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. For additional questions please contact our Technical Department.

Additional Information:

Packaging (Article number):
- 400 g Cartridge (00403019)
- 1 kg Tin (00403034)
- 5 kg Hobbock (00403050)
- 25 kg Hobbock (00403062)
- 180 kg Drum (00403070)

Version:
E-08.1/05

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OKS 403 Marine Grease

Technical Data

	Norm	Conditions	Unit	Value
Classification	DIN 51 502	DIN 51 825		KP1-2E-20
Base Oil				
Type				Mineral oil
Viscosity	DIN 51 562-1 DIN 51 562-1	40°C 100°C	mm²/s mm²/s	100 9
Pourpoint	DIN ISO 3016	3°C step	°C	-27
Flash point	DIN ISO 2592	> 79	°C	200
Thickener				
Type				Calcium soap
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	1-2
Worked penetration	DIN ISO 2137	60 DH	0,1 mm	285 - 315
Penetration drop	DIN ISO 2137	5.000 DH	0,1 mm	< 30
Drop point	DIN ISO 2176		°C	> 110
Oil separation	DIN 51 817	18h/40°C 168h/40°C	Mass-% Mass-%	< 1,0 < 2,0
Application Data				
Density	DIN EN ISO 3838	+20°C	g/cm³	0,94
Colour				light-coloured
Service Temperatures				
Minimum service temperature	DIN 51 805	< 1.400 hPa	°C	-25
Maximum service temperature	DIN 51 821-2	F ₅₀ (A/1500/600), 100h	°C	80
DN- value			mm min	350.000
Water resistance	DIN 51 807	+90°C	Grade 1-3	0 - 90
Corrosion Protection Tests				
SKF-EMCOR	DIN 51 802	with destillated water with 3 % NaCl- Dilution	Corr.-grade 1-5 Corr.-grade	0 and 0 0 and 0
Salt spray test	DIN 50 021 SS	50 µm	h	> 700
Wear Protection Tests				
VBT- weld load (Four ball test rig)	DIN 51 350-4		N	3.000

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