

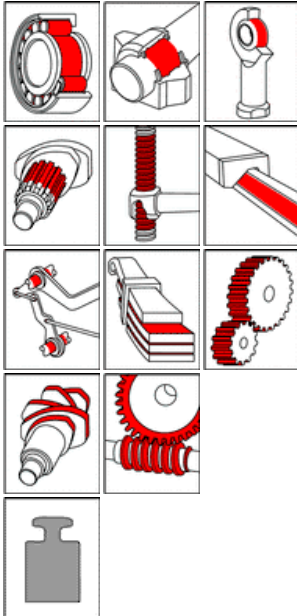


OKS 4100 - Product Information

Fields of Application:

Grease lubrication of rolling and plain bearings subject to very heavy loading. Protection of bearings against harmful impurities. Protection against corrosion, maintenance of lubricating effect, even when exposed to large quantities of water.

OKS 4100 MoS₂-Extreme Pressure Grease



Advantages and Benefits:

Excellent suited as a high-performance lubricating grease due to special EP properties and solid lubricants. The high base oil viscosity, with a stable soap basis even when exposed to water, results in a particular suitability for heavily loaded, slow-running bearings even with impact loading. Good emergency running properties due to solid lubricants.

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 (04100019)
- 1 kg Tin (04100034)
- 5 kg Hobbock (04100050)
- 25 kg Hobbock (04100062)
- 180 kg Drum (04100070)

Version
E-04.1/05

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Technical Data

	Norm	Conditions	Unit	Value
Classification	DIN 51 502	DIN 51 825		KPF2K-20
Base Oil				
Type				Mineral oil
Viscosity	DIN 51 562-1	40°C	mm ² /s	1020
	DIN 51 562-1	100°C	mm ² /s	58
Thickener				
Type				Lithium-Calcium-Soap
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	2
Worked penetration	DIN ISO 2137	60 DH	0,1 mm	265 - 295
Penetration drop	DIN ISO 2137	10.000 DH	0,1 mm	< 30
Drop point	DIN ISO 2176		°C	180
Additives				
Solid lubrications, type				MoS ₂ , Graphit
Additive				Mo _x -Active
Application Data				
Density	DIN EN ISO 3838	+20°C	g/cm ³	0,92
Colour				black
Service Temperatures				
Minimum service temperature	DIN 51 805	< 1.400 hPa	°C	-20
Maximum service temperature	DIN 51 821-2	F ₅₀ (A/1500/600), 100h	°C	120
DN- value			mm/min	50.000
Water resistance	DIN 51 807-1		Grade 1-3	1 - 90
Corrosion protection tests				
SKF-EMCOR	DIN 51 802		Corr.-grade 1-5	0 and 0
Wear protection tests				
VBT- weld load (Four ball test rig)	DIN 51 350-4		N	4.800
VBT- wear	DIN 51 350-5	1.420 U/min/1 h/1.000 N	mm	1,0

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