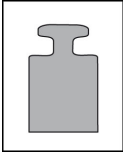
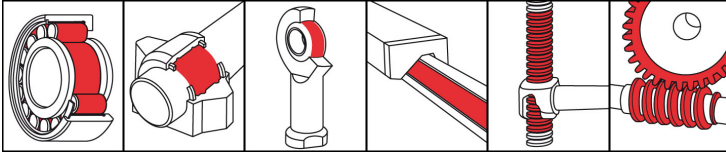


OKS 4100 MoS₂ Extreme Pressure Grease



Description

OKS 4100 is an extreme pressure grease with MoS₂ for slow-running rolling and friction bearings at very high.

Applications

- 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

Branches

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

Advantages and benefits

- Excellently 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 tips

For best results clean the lubrication point with OKS 2610/OKS 2611 Universal Cleaner. Remove the corrosion protection media before initial filling. Fill the bearings in a way that all the functional surfaces are lubricated sufficiently. 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. For longer relubrication intervals, a complete exchange of the old grease is recommended. Mix with appropriate lubricants only.



PRODUCT INFORMATION

OKS 4100

MoS₂ Extreme Pressure Grease

Packaging

- 400 ml Cartridge
- 5 kg Hobbock
- 25 kg Hobbock

Technical Data

	Standard	Conditions	Unit	Value
Main components				
base oil				mineral oil
thickener				lithium-calcium soap
solid lubricants				graphite
solid lubricants				MoS ₂
Application related technical data				
marking	DIN 51 502	DIN 51 825		KPF2K-20
viscosity at (40°C)	DIN 51 562-1	base oil	mm ² /s	1,020
viscosity at (100°C)	DIN 51 562-1	base oil	mm ² /s	58
drop point	IP 396		°C	> 180
consistency	DIN 51 818	DIN ISO 2137	NLGI grade	2
worked penetration	DIN ISO 2137	60DH	0.1 mm	265-295
lower operating temperature	DIN 51 805	< 1400hPa	°C	-20
upper operating temperature	DIN 51 821-2	F50 (A/1500/600), 100h	°C	120
colour				black
density (at 20°C)	DIN EN ISO 3838		g/cm ³	0.92
water resistance	DIN 51 807-1		Degree	1-90
DN value (dm x n)			mm/min	100,000
four-ball test rig welding load	DIN 51 350-4		N	> 4,000
SKF-EMCOR	DIN 51 802		corr. degree	0-0

OKS Spezialschmierstoffe GmbH

Ganghoferstraße 47
82216 Maisach
Phone: +49 (0) 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
Safety data sheet for industrial and commercial users is available for downloading under www.oks-germany.com. Our Customer and Technical service will be pleased to help should you have any further questions.