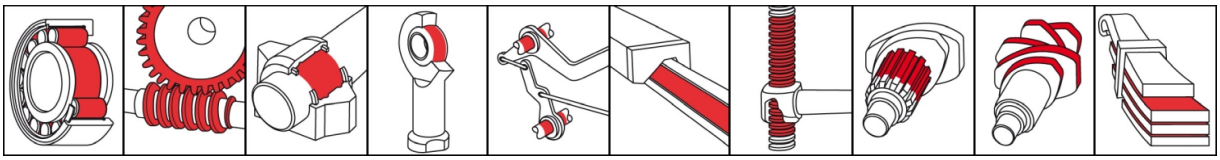
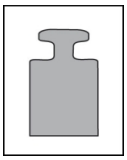
PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

OKS 410

MoS_2 High-Pressure Long-Life Grease





Mo$_x$ - Active

Description

OKS 410 is a high-pressure long-life grease for lubrication points subjected to pressure or impacts also under outdoor exposure.

Applications

- Grease lubrication of unsheltered parts subject to heavy loading and/or impacts, such as friction, rolling and pivoting bearings, splined shafts, knockout spindles, threaded spindles and sliding surfaces of all kinds
- For harsh operating conditions

Advantages and benefits

- Excellently suited as a safety lubricating grease in mixed friction sector with especially good wear protection
- Effectively protects against corrosion
- Contains Mox-active to improve performance

Branches

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

Packaging

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

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Technical data

	Standard	Conditions	Unit	Value
Main components				
base oil				mineral oil
thickener				lithium hydroxystearate
solid lubricants				MoS_2
additives				Mo_x-Active
Application related technical data				
marking	DIN 51 502	DIN 51 825		KPF2K-20
viscosity (base oil)	DIN 51 562-1	at 40°C	mm^2/s	185
viscosity (base oil)	DIN 51 562-1	at 100°C	mm^2/s	14
pour point	DIN ISO 3016	3°C step	°C	-20
flashing point	DIN ISO 2592	> 79	°C	> 230
drop point	DIN ISO 2176		°C	> 200
consistency	DIN 51 818	DIN ISO 2137	NLGI grade	2
worked penetration	DIN ISO 2137	60 double strokes	0.1 mm	265-295
lower operating temperature	DIN 51 805	≤ 1,400 hPa	°C	-20
upper operating temperature	DIN 51 821-2	F50 (A/1500/600), 100h	°C	130
maximal operating temperature			°C	140
colour				grey
density	DIN EN ISO 3838	at 20°C	g/cm^3	0.92
water resistance	DIN 51 807-1	3h/90°C	Degree	1-90
DN value (dm x n)			mm/min	500,000
four-ball test rig welding load	DIN 51 350-4		N	3,600
four-ball test rig wear	DIN 51 350-5	1.420/min, 1h, 800N	mm	0.4
SKF-EMCOR	DIN 51 802		corr. degree	1
Product specific technical data				
SKF R2F	DIN 51 806	2500/min, 20d, 20°C (Running test A)		passed
SKF R2F	DIN 51 806	1500/min, 20d, 120°C (Running test B)		passed
Timken	SEB 181 302	43lbs	mg	> 5
Properties and approvals				
UFI				XMD1-F0A5-F007-3DQ9

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