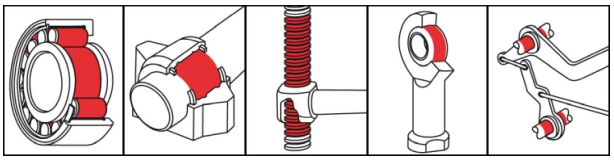


PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

OKS 402
Ball-Bearing High-Performance Grease



Description

Multipurpose grease for the lubrication of machine elements under normal stress load.

Applications

- Lubrication of friction, rolling and pivoting bearings, splined shafts, knockout spindles and sliding surfaces of all kinds under normal loads and all sliding speeds common for grease lubrication
- Supports sealing of bearings and corrosion protection

Advantages and benefits

- Highly effective due to optimum combination of components
- Good resistance to pressure and water
- Fewer downtimes and repairs as a result of reduced wearing
- Resistant to ageing and oxidation

Branches

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

Application tips

For highest effectiveness, carefully clean the lubrication point, for example with OKS 2610/OKS 2611 universal cleaner. Before filling for first time, remove anti-corrosion agent. Fill the bearing such that all functional surfaces are certain of being greased. Fill normal bearings up to about 1/3 of the free space inside the bearing. Low-speed bearings (DN value < 50,000) and their housings should be filled completely. The bearing and machine manufacturer's instructions should be observed. Subsequent lubrication at the lubrication nipples by grease gun. Assess the lubrication frequency and quantity on basis of service conditions. If old grease cannot be removed, restrict the quantity of grease so as to avoid overlubricating the bearing. If lubrication frequencies tend to be low, you should aim for a full grease change. Only mix with suitable lubricants.

Packaging

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

© Klüber Lubrication München GmbH & Co. KG



PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

OKS 402
Ball-Bearing High-Performance Grease

Technical data

	Standard	Conditions	Unit	Value
Main components				
base oil				mineral oil
thickener				lithium soap
Application related technical data				
marking	DIN 51 502	DIN 51 825		K2K-30
Viscosity base oil	DIN 51 562-1	at 40°C	mm²/s	approx. 110
Viscosity base oil	DIN 51 562-1	at 100°C	mm²/s	approx. 9
pour point	DIN ISO 3016	3°C step	°C	< -25
drop point	DIN ISO 2176		°C	> 190
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	-30
upper operating temperature	DIN 51 821-2	F50 (A/1500/6000), 100h	°C	120
colour				beige
density	DIN EN ISO 3838	at 20°C	g/cm³	0.88
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	2,000
four-ball test rig wear	DIN 51 350-5		mm	1.9
SKF-EMCOR	DIN 51 802		corr. degree	1
SKF-EMCOR Copper	DIN 51 811	24h, 100°C	corr. degree	1

Klüber Lubrication München GmbH & Co. KG
Geisenhausenerstraße 7 / 81379 München /
Germany / phone +49 89 7876-0

The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

© Klüber Lubrication München GmbH & Co. KG