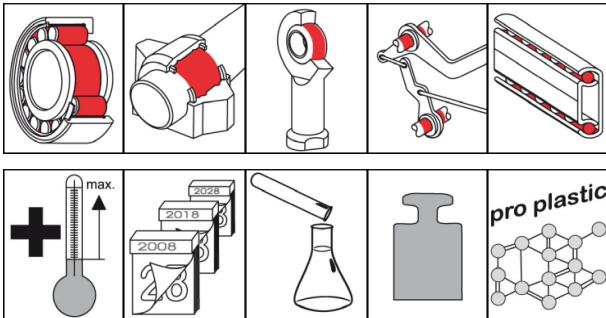


OKS 4210

Grease for Extremely High Temperatures



Description

Extreme-temperature bearing grease for use at high loads and temperatures.

Applications

- Grease lubrication of friction and rolling bearings in the high-temperature range up to 280°C
- Lubrication of tunnel kiln cars, baking, burn-in and drying furnaces, hot gas units, reaction vessels, boiler plants, roller and conveyor rollers in continuous furnaces, etc.
- Use at bearing points under influence of chemicals
- Lubrication of bearings under influence of fuel

Branches

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

Advantages and benefits

- Absolutely resistant to water and steam
- Resistant to solvents, for example benzene, benzol, acetone, trichloroethylene and against inorganic acids, for example sulphuric acid, hydrochloric acid and nitric acid as well as stearic acids, alcohols and halogens
- Broad range of applications above the temperature limits of other lubricating greases
- Excellent wear protection
- Reduced maintenance and lubricant costs due to possible lifetime lubrication
- Excellent plastic and elastomer compatibility

Application tips

Thorough cleaning of the bearings from other lubricants, for example with OKS 2610/OKS 2611 universal cleaning agent is imperative. Subsequently blow out with dry air. Before filling for first time, remove anti-corrosion agent. Fill the bearing such that all functional surfaces are certain of being greased. Fill bearings running slowly completely, fill high-speed bearings (DN value > 150,000) only up to about 2/3 of the free space inside the bearing. The bearing and machine manufacturer's instructions should be observed. Specify the relubrication frequency and quantity on the basis of the conditions of use. If old grease cannot be removed, restrict the quantity of grease so as to avoid overlubricating the bearing. Only mix with suitable lubricants.

Packaging

- 800 g Cartridge
- 1 kg Can
- 5 kg Hobbock
- 25 kg Hobbock

OKS 4210

Grease for Extremely High Temperatures

Technical data

	Standard	Conditions	Unit	Value
Main components				
base oil				perfluoropolyether (PFPE)
thickener				PTFE
solid lubricants				PTFE
Application related technical data				
marking	DIN 51 502	DIN 51 825		KFFK2U-40
viscosity (at 40°C)	DIN 51 562-1	base oil	mm ² /s	390
viscosity at (100°C)	DIN 51 562-1	base oil	mm ² /s	37
drop point	DIN ISO 2176		°C	without
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	< 1,400 hPa	°C	-40
upper operating temperature	DIN 51 821-2	F50 (A/1500/6000), 100h	°C	280
colour				white
density (at 20°C)	DIN EN ISO 3838		g/cm ³	1.92
DN value (dm x n)			mm/min	500,000
four-ball test rig welding load	DIN 51 350-4		N	9,000
four-ball test rig wear	DIN 51 350-5	1.420/min, 1h, 800N	mm	0.6
SKF-EMCOR	DIN 51 802		corr. degree	0
Properties and approvals				
UFI				AFR7-100E-S000-W5W7

OKS Spezialschmierstoffe GmbH

Ganghoferstraße 47

82216 Maisach

+49 8142 3051 - 500

info@oks-germany.com

www.oks-germany.com

a brand of
FREUDENBERG

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
Product restricted to professional users. Safety data sheet available for download at www.oks-germany.com
Our Customer and Technical service will be pleased to help should you have any further questions.