

# OKS 432

## High Melting-Point Grease



### Description

OKS 432 is a high melting-point grease for rolling and friction bearings and similar components, at higher loads and temperatures.

### Applications

- Grease lubrication of plain and rolling bearings at high temperatures and high loads, e.g. on hot-air fans, converters, pouring ladles, sintering systems, conveyor systems subject to heat etc.

### Branches

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

### Advantages and benefits

- Excellently suited for reducing friction and wear, protection against corrosion and impurities
- Maintenance of lubricating effect even at high temperatures and loads
- Highly effective due to selected combination of active ingredients for good corrosion protection properties, good resistance to ageing and excellent EP properties

### Application tips

For best results clean the lubricating point carefully, e.g. with 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
<b>Main components</b>				
base oil				mineral oil
thickener				aluminium-complex soap
<b>Application related technical data</b>				
marking	DIN 51 502	DIN 51 825		KP2R-20
viscosity at (40°C)	DIN 51 562-1	base oil	mm <sup>2</sup> /s	230
viscosity at (100°C)	DIN 51 562-1	base oil	mm <sup>2</sup> /s	16
flashing point	DIN ISO 2592	> 79	°C	> 200
drop point	DIN ISO 2176		°C	> 210
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	-25
upper operating temperature	DIN 51 821-2	F50 (A/1500/600), 100h	°C	190
maximal operating temperature			°C	200
colour				brown
density (at 20°C)	DIN EN ISO 3838		g/cm <sup>3</sup>	0.92
water resistance	DIN 51 807-1	3h/90°C	Degree 0-3	1-90
DN value (dm x n)			mm/min	200,000
four-ball test rig welding load	DIN 51 350-4		N	2,800
SKF-EMCOR	DIN 51 802	7 days, distilled water	corr. degree	0-1
SKF-EMCOR Copper	DIN 51 811	24h, 100°C	corr. degree	1

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