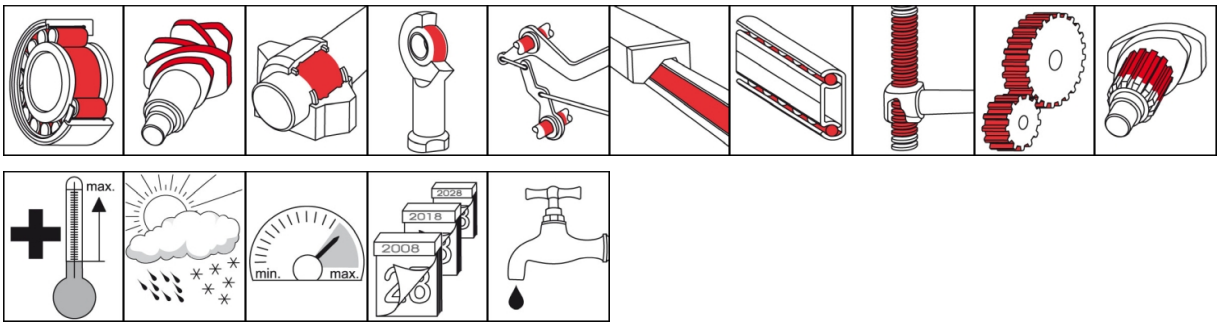
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OKS 425
Long-Life Grease, synthetic



Description

OKS 425 is a synthetic grease for long-term lubrication of machine elements.

Applications

- For the long time- or for lifetime- lubrication of fast running roller and plain bearings as well as linear guides, threaded and ball screw spindles, small gears and similar components, exposed to high pressures and higher temperatures

Branches

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

Advantages and benefits

- Good adhesive and good media resistant
- Good low-temperature behaviour, stress absorbing ability and smooth run at high speeds
- Good plastic compatibility
- The low start and running moment, especially at low temperatures, enables a high efficiency
- The good wear protection increases the life time of the part and makes sure a reliable function

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. Fast running bearings (DN-value >400,000) should be filled to 1/4, normal moving bearings to 1/3 of the free inner housing space. Observe the instructions of the bearing or machine manufacturer. Relubrication with a grease gun through 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.

Packaging

- 400 ml Cartridge
- 1 kg Can

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Technical data

	Standard	Conditions	Unit	Value
Main components				
base oil				polyalphaolefine
thickener				special calcium soap
Application related technical data				
marking	DIN 51 502	DIN 51 825		KPHC2K-50
Viscosity base oil	DIN 51 562-1	at 40°C	mm^2/s	30
Viscosity base oil	DIN 51 562-1	at 100°C	mm^2/s	6
pour point	DIN ISO 3016	3°C step	°C	< -50
flashing point	DIN ISO 2592	> 79	°C	> 200
drop point	DIN ISO 2176		°C	> 220
consistency	DIN 51 818	DIN ISO 2137	NLGI grade	2
worked penetration	DIN ISO 2137	60DH	0.1 mm	265-295
oil separation	DIN 51 817	7d/40°C	percent in weight	< 3
lower operating temperature	DIN 51 805	≤ 1,400 hPa	°C	-50
upper operating temperature	DIN 51 821-2	F50 (A/1500/6000), 100h	°C	130
maximal operating temperature			°C	180
colour				beige
density	DIN EN ISO 3838	at 20°C	g/cm^3	0.89
water resistance	DIN 51 807-1	3h/90°C	Degree	1-90
DN value (dm x n)			mm/min	1,000,000
four-ball test rig welding load	DIN 51 350-4		N	3,400
SKF-EMCOR	DIN 51 802	7 days, distilled water	corr. degree	< 1
SKF-EMCOR Copper	DIN 51 811	24h, 100°C	corr. degree	1

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