



OKS 1144 - Product Information

Fields of Application:

Lubrication of rolling and friction bearings at operating temperatures around +170 °C up to rotating speed limit. For example, smaller bearings of exhaust-gas turbochargers, hot-air fans, hot-water pumps, washing machines and laundry dryers, as well as clutch pressure and release bearings etc. Also suitable for plastic/plastic sliding pairs.

OKS 1144 Multipurpose Silicone Grease

Advantages and Benefits:

Highly effective due to optimum temperature-stable silicone grease formula. Excellently suited for grease lubricating points subject to changing temperature loads. Broad range of uses outside normal grease performance areas.

Application:

For best results, clean lubricant points and surfaces carefully, e.g. with OKS 2610 or 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, high-speed bearings (DN value > 400 000) up to about 1/4. 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. Bearings filled with silicon grease must not have higher loads than 1/3rd of the bearing's permitted load. Silicone-based plastics, e.g. silicone rubber, can be dissolved by silicone grease. Silicone grease must not be applied to sliding surfaces under influence of pure oxygen. For additional questions please contact our Technical Department.



Additional Information:

Packaging (Article number):
- 500 g Tin (01144031)
- 5 kg Hobbock (01144050)
- 25 kg Hobbock (01144062)

Version
E-10.1/06

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Technical Data

	Norm	Contitions	Unit	Value
Classification	DIN 51 502	DIN 51 825		KSI2S-40
Base Oil				
Type				Polyphenylmethylsiloxane
Viscosity	DIN 51 562-1	+25°C	mm ² /s	125
Flash point	DIN ISO 2592	> 79	°C	> 250
Thickener				
Type				Lithiumhydroxystearate
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	2
Worked penetration	DIN ISO 2137	60 DH	0,1 mm	265 - 295
Drop point	DIN ISO 2176		°C	> 210
Oil separation	DIN 51 817	7d/40°C	Weight-%	1,4
Oxidation resistance	DIN 51 808	100h/99°C	bar	0,1
Application Data				
Density	DIN EN ISO 3838	+20°C	g/cm ³	1,05
Colour				beige
Service Temperatures				
Minimum service temperature			°C	-40
Maximum service temperature			°C	200
DN- value			mm min	300.000
Wear Protection Tests				
VBT-weldload (Four ball test rig)	DIN 51 350-4		N	1.100

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