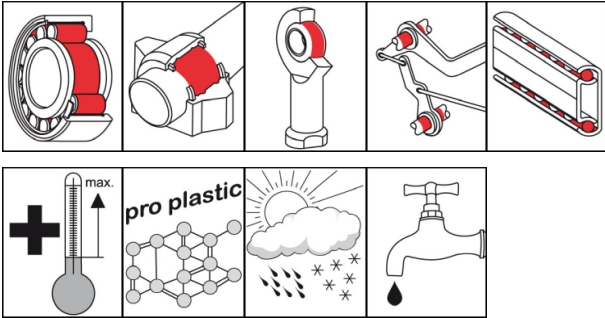


OKS 1144 Universal Silicone Grease



Description

OKS 1144 is a multipurpose silicone grease for bearings at changing temperatures and medium speeds.

Applications

- 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

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

Branches

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

Application tips

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.

OKS 1144

Universal Silicone Grease

Packaging

- 500 g Can
- 5 kg Hobbock
- 25 kg Hobbock

Technical data

	Standard	Conditions	Unit	Value
Main components				
base oil				polyphenylmethylsiloxane
thickener				lithium hydroxystearate
Application related technical data				
marking	DIN 51 502	DIN 51 825		KSI2S-40
viscosity at (25°C)	DIN 51 562-1	base oil	mm ² /s	125
flashing point	DIN ISO 2592	> 79	°C	> 250
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
oil separation	DIN 51 817	7d/40°C	percent in weight	1.4
resistance to oxidation	DIN 51 808	100h/99°C	bar	0.1
lower operating temperature			°C	-40
upper operating temperature			°C	200
colour				beige
density (at 20°C)	DIN EN ISO 3838		g/cm ³	1.05
DN value (dm x n)			mm/min	300,000
four-ball test rig welding load	DIN 51 350-4		N	1,100

OKS Spezialschmierstoffe GmbH

Ganghoferstraße 47
82216 Maisach

+49 8142 3051 - 500

info@oks-germany.com

www.oks-germany.com



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.