

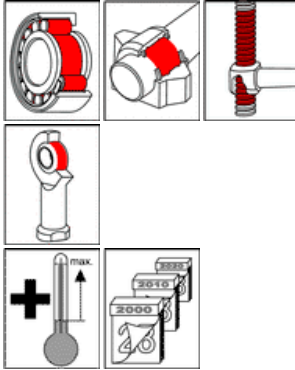


## OKS 1148 - Product Information

### Fields of Application:

Lubrication of rolling bearings at operating temperatures from +150°C to +200 °C under low to medium bearing loads. For long-term lubrication of temperature-stressed electric motor bearings, e.g. in household appliances or of bearings which are to start up easily at low temperatures. Initial lubrication of rolling bearings, e.g. ball bearings open or closed on one side only, especially for achieving a long-term lubrication of ball bearings sealed off on both sides.

### OKS 1148 Long-term Silicone Grease, with PTFE



### Advantages and Benefits:

Highly effective due to optimum temperature-stable silicone grease formula. Excellently suited for reducing friction and wear. Protects rolling bearings against dust, dirt, corrosion, water and moisture in grease lubricating points subject to changing temperature loads. Resistant to oxidation, water, water vapour, animal, vegetable and mineral oils, as well as to vapours of organic acids.

### Application:

For best results, clean lubricant point 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. 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.

This product belongs to the category silicone-oil greases with PTFE. Explosive decomposition reactions can occur at these products in conveyor systems having a high pressure build-up and small pipe diameters. Avoid the intake of air, small pipe diameters, high pressures and rapid pressure increases. Vent system carefully before commissioning.

For additional questions please contact our Technical Department.

### Additional Information:

Packaging (Article number):

- 500 g Tin (01148031)
- 5 kg Hobbock (01148050)
- 25 kg Hobbock (01148062)

Version:

E-08.1/09

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## Technical Data

	Norm	Conditions	Unit	Value
Classification	accord. DIN 51 502			KFSI2S-40
<b>Base Oil</b>				
Type				Polyphenylmethylsiloxane
Viscosity	DIN 51 562-1	40°C	mm <sup>2</sup> /s	60
	DIN 51 562-1	100°C	mm <sup>2</sup> /s	15
<b>Thickener</b>				
Type				Lithium complex soap
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	2
Worked penetration	DIN ISO 2137	60 DS	0,1 mm	265 - 295
Drop point	DIN ISO 2176		°C	> 240
Oil separation	DIN 51 817	18h/40°C	Weight-%	< 4
<b>Additives</b>				
Solid lubricants, type				PTFE
<b>Application Data</b>				
Density	DIN 51 757	+20°C	g/ml	0,99
Colour				light grey
<b>Service Temperatures</b>				
Minimum service temperature			°C	-40
Maximum service temperature			°C	200
DN- value			mm/min	350.000
<b>Wear Protection Tests</b>				
VBT-weldload (Four ball test rig)	DIN 51 350-4		N	2.200

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