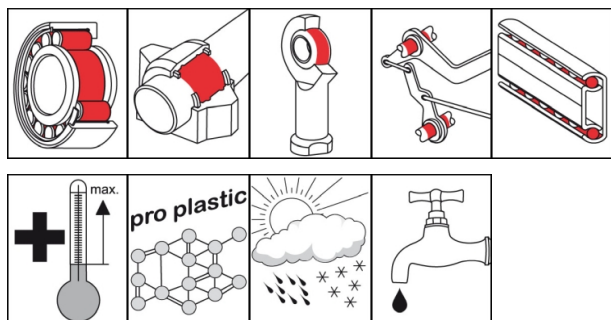


## OKS 1144

### Universal Silicone Grease

a product brand of **KLÜBER**  
LUBRICATION



#### 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

a product brand of **KLÜBER**  
LUBRICATION

### Packaging

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

### Technical data

|                                           | Standard        | Conditions   | Unit              | Value                    |
|-------------------------------------------|-----------------|--------------|-------------------|--------------------------|
| <b>Main components</b>                    |                 |              |                   |                          |
| base oil                                  |                 |              |                   | polyphenylmethylsiloxane |
| thickener                                 |                 |              |                   | lithium hydroxystearate  |
| <b>Application related technical data</b> |                 |              |                   |                          |
| marking                                   | DIN 51 502      | DIN 51 825   |                   | KSI2S-40                 |
| Viscosity base oil                        | DIN 51 562-1    | at 25°C      | mm²/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                                   | DIN EN ISO 3838 | at 20°C      | g/cm³             | 1.1                      |
| DN value (dm x n)                         |                 |              | mm/min            | 300,000                  |
| four-ball test rig welding load           | DIN 51 350-4    |              | N                 | 1,100                    |

**Klüber Lubrication München GmbH & Co. KG**  
Geisenhausenerstraße 7 / 81379 München /  
Germany / phone +49 89 7876-0

The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.