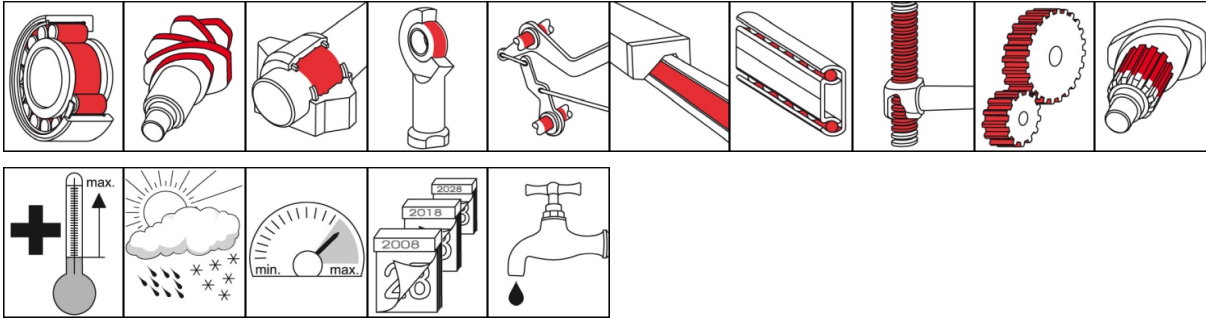


## OKS 425

### 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

# OKS 425

## Long-Life Grease, synthetic

### Technical data

|   | Standard        | Conditions              | Unit               | Value                |
|---|-----------------|-------------------------|--------------------|----------------------|
| <b>Main components</b>                    |                 |                         |                    |                      |
| base oil                                  |                 |                         |                    | polyalphaolefine     |
| thickener                                 |                 |                         |                    | special calcium soap |
| <b>Application related technical data</b> |                 |                         |                    |                      |
| marking                                   | DIN 51 502      | DIN 51 825              |                    | KPHC2K-50            |
| viscosity (base oil)                      | DIN 51 562-1    | at 40°C                 | mm <sup>2</sup> /s | 30                   |
| viscosity (base oil)                      | DIN 51 562-1    | at 100°C                | mm <sup>2</sup> /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 <sup>3</sup>  | 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                    |

### OKS Spezialschmierstoffe GmbH

Ganghoferstraße 47

82216 Maisach

+49 8142 3051 - 500

info@oks-germany.com

www.oks-germany.com

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