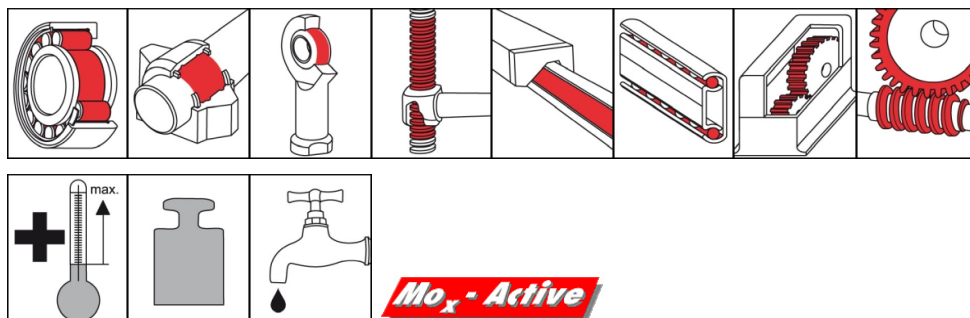


# OKS 420

## High-Temperature Multipurpose Grease



### Description

OKS 420 is a high-temperature grease for universal use at increased requirements.

### Applications

- Gearbox lubrication of heavily loaded, relatively slow-running toothed gearing when grease is used instead of oil due to leaks
- For heavily loaded and impact-loaded drives
- Chain lubrication, e.g. of hollow-pin chains in the conveyance and transport sector, for exposure to water and steam and at higher operating temperatures
- Bearing lubrication of friction and rolling bearings in annealing yards and drying systems, manipulators and robots, cooling-bed and conveyor systems, machines in food packing industry, steam sterilisers etc.

### Advantages and benefits

- Excellently suited for corrosive operating conditions with high operating temperatures and high pressure and impact loads
- Economical due to optimised formula
- Enables wear reduction, decreasing failure times and enabling long-term lubrication
- Long-acting, highly adhesive, temperature-stable and waterproof, noise-damping, impact and pressure resistant

### Branches

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



## OKS 420 High-Temperature Multipurpose Grease

### Application tips

For best results clean the lubricating point carefully. Clean with solvents like OKS 2610/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

### Packaging

- 400 ml Cartridge
- 1 kg Can
- 5 kg Hobbock
- 25 kg Hobbock
- 180 kg Drum

### Technical data

|                                           | Standard               | Conditions          | Unit               | Value                   |
|-------------------------------------------|------------------------|---------------------|--------------------|-------------------------|
| <b>Main components</b>                    |                        |                     |                    |                         |
| base oil                                  |                        |                     |                    | mineral oil             |
| thickener                                 |                        |                     |                    | Polyurea                |
| additives                                 |                        |                     |                    | Mo <sub>x</sub> -Active |
| <b>Application related technical data</b> |                        |                     |                    |                         |
| marking                                   | analogue to DIN 51 502 |                     |                    | KP1-2P-10               |
| Viscosity base oil                        | DIN 51 562-1           | at 40°C             | mm <sup>2</sup> /s | 490                     |
| Viscosity base oil                        | DIN 51 562-1           | at 100°C            | mm <sup>2</sup> /s | 32                      |
| drop point                                | IP 396                 |                     | °C                 | > 230                   |
| consistency                               | DIN 51 818             | DIN ISO 2137        | NLGI grade         | 1-2                     |
| worked penetration                        | DIN ISO 2137           | 60DH                | 0.1 mm             | 290-320                 |
| lower operating temperature               | DIN 51 805             | ≤ 1,400 hPa         | °C                 | -10                     |
| upper operating temperature               |                        |                     | °C                 | 160                     |
| colour                                    |                        |                     |                    | beige                   |
| density                                   | DIN 51 757             | at 20°C             | g/cm <sup>3</sup>  | 0.9                     |
| water resistance                          | DIN 51 807-1           | 3h/90°C             | Degree             | 1-90                    |
| DN value (dm x n)                         |                        |                     | mm/min             | 300,000                 |
| four-ball test rig wear                   | DIN 51 350-5           | 1.420/min, 1h, 800N | mm                 | < 1.0                   |
| <b>Properties and approvals</b>           |                        |                     |                    |                         |
| UFI                                       |                        |                     |                    | 35P3-G0PG-7001-U0QA     |

**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.