



OKS 420 - Product Information

Fields of Application:

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.

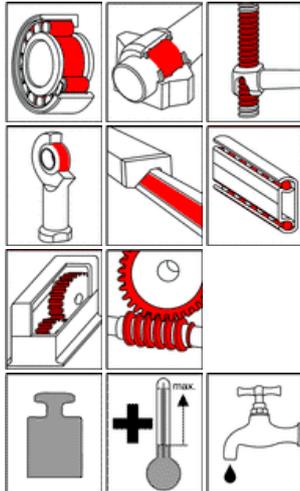
OKS 420 High-Temperature Multipurpose Grease

Advantages and Benefits:

Excellent 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. Improved performance due to organic molybdenum complex compounds. Long-acting, highly adhesive, temperature-stable and waterproof, noise-damping, impact and pressure resistant.

Application:

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. For additional questions please contact our Technical Department.



Additional Information:

Packaging (Article number):
- 120 ml CL- Cartridge (00420013)
- 400 g Cartridge (00420019)
- 1 kg Tin (00420034)
- 5 kg Hobbock (00420050)
- 25 kg Hobbock (00420062)
- 180 kg Drum (00420070)

Version
E-06.1/06

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Technical Data

| | Norm | Conditions | Unit | Value |
|-------------------------------------|------------------------------|------------------------------------|--|-------------------------|
| Classification | DIN 51 502 | DIN 51 825 | | KP1-2P-10 |
| Base Oil | | | | |
| Type | | | | Mineral oil |
| Viscosity | DIN 51 562-1 DIN 51 562-1 | 40°C 100°C | mm ² /s mm ² /s | 460 34 |
| Pourpoint | DIN ISO 3016 | 3°C step | °C | -15 |
| Flash point | DIN ISO 2592 | > 79 | °C | 310 |
| Thickener | | | | |
| Type | | | | Polyurea |
| Consistency | DIN 51 818 | DIN ISO 2137 | NLGI- class | 1 - 2 |
| Worked penetration | DIN ISO 2137 | 60 DH | 0,1 mm | 290 - 320 |
| Drop point | DIN ISO 2176 | | °C | 240 |
| Additives | | | | |
| Additive | | | | Mo _x -Active |
| Application Data | | | | |
| Density | DIN EN ISO 3838 | +20°C | g/cm ³ | 0,91 |
| Colour | | | | dark green |
| Service Temperatures | | | | |
| Minimum service temperature | DIN 51 805 | < 1.400 hPa | °C | -10 |
| Maximum service temperature | DIN 51 821-2 | F ₅₀ (A/1500/600), 100h | °C | 160 |
| DN- value | | | mm min | 300.000 |
| Water resistance | DIN 51 807-1 | +90°C | Grade 1-3 | 0 - 90 |
| Corrosion protection tests | | | | |
| SKF-EMCOR | DIN 51 802 | | Corr.-Grad 1-5 | 0 and 0 |
| Wear Protection Tests | | | | |
| VBT- weld load (Four ball test rig) | DIN 51 350-4 | | N | 2.600 |
| VBT- wear | DIN 51 350-5 | 1.420 U/min/1 h/1.000 N | mm | 0,3 |
| Timken | SEB 181 302 | 40 lbs | mg | < 5 |

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