



OKS 424 - Product Information

Fields of Application:

Lubrication of roller and plain bearings at high temperatures, under corrosive environmental conditions and for all sliding speeds permissible for grease lubrication, such as lubrication points subject to extremely high temperatures at oven systems like annealing and drying ovens, drum-type furnaces, manipulators, cooling bed systems, conveyor systems, hot-air fans, special electric motors, exhaust-gas fans for aggressive media or rolling bearings on calender rollers.

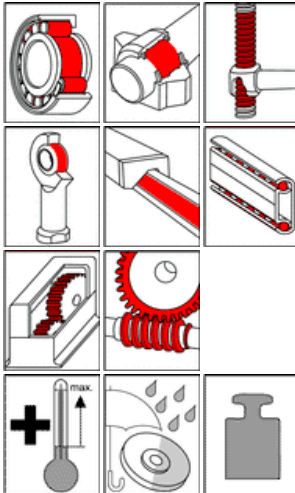
OKS 424 Synthetic High- Temperature Grease

Advantages and Benefits:

Excellently suited for bearing points subject to extremely high temperatures and corrosive environmental influences. Reduction of friction and wear, corrosion protection, protection of bearings against harmful impurities, maintenance of lubricating effect, even in the presence of water. Retains its consistent, supple state without forming hard deposits. When operating temperature is exceeded, forms only minimal residues. Normal relubrication is sufficient.

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):

- 400 g Cartridge (00424019)
- 1 kg Tin (00424034)
- 5 kg Hobbock (00424050)
- 25 kg Hobbock (00424062)
- 180 kg Drum (00424070)

Version:

E-08.1/08

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Technical Data

| | Norm | Conditions | Unit | Value |
|--|--------------|--------------|--------------------|----------------|
| Classification | DIN 51 502 | DIN 51 825 | | KHC1-2S-30 |
| Base Oil | | | | |
| Type | | | | Polyalfaolefin |
| Viscosity | DIN 51 562-1 | 40°C | mm ² /s | 400 |
| | DIN 51 562-1 | 100°C | mm ² /s | 39 |
| Pourpoint | DIN ISO 3016 | | °C | < -35 |
| 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 - 310 |
| Penetration drop | DIN ISO 2137 | 100.000 DH | | max. 40 |
| Drop point | DIN ISO 2176 | | °C | > 240 |
| Application Data | | | | |
| Colour | | | | light-coloured |
| Service Temperatures | | | | |
| Minimum service temperature | DIN 51 805 | < 1.400 hPa | °C | -30 |
| Upper service temperature | | | °C | 200 |
| Maximum service temperature | | | °C | 230 |
| DN- value | | | mm min | 350.000 |
| Water resistance | DIN 51 807-1 | +90°C | Grade 1-3 | 0 - 90 |
| Corrosion Protection Tests | | | | |
| SKF-EMCOR | DIN 51 802 | | Corr.-Grade 1-5 | 0/1 |
| Wear Protection Tests | | | | |
| VBT- weld load (Four ball test rig) | DIN 51 350-4 | | N | 1.800 |

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