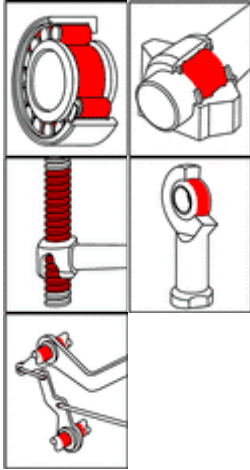




OKS 402 – Product Information

OKS 402 Ball-Bearing High- Performance Grease



Fields of Application:

Lubrication of plain-, rolling- and pivoting bearings, splined shafts, threaded spindles and sliding surfaces of all kinds under normal loads and all sliding speeds common for grease lubrication.

Advantages and Benefits:

Excellently suited for normally loaded lubrication points. Highly effective due to optimum combination of components. The requirements of the standard DIN 51 825 for a K2K lubricating grease are greatly exceeded. Fewer downtimes and repairs as a result of reduced wearing. Supports sealing of bearings and corrosion protection.

Application:

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, 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. For longer relubrication intervals, a complete exchange of the old grease is recommended. Mix with appropriate lubricants only. For additional questions please contact our Technical Department.

Additional Information:

Packaging (Article number):
- 400 ml Cartridge (00402019)
- 1 kg Tin (00402034)
- 5 kg Hobbock (00402050)
- 25 kg Hobbock (00402062)

Version
E-03.1/13

The data in this brochure are the result of extensive testing and experience and meet the latest stage of engineering. Due to the diversity of application possibilities and technical realities they can only be recommendations and are not arbitrarily transferable; thus no obligations, liability or warranty claims can be derived herefrom. We accept liability for the fitness of our products for particular purposes and accept such liability in writing in the individual case. In any event any justified warranty claims shall be limited to the delivery of replacement goods which are free from defect or, in the event that such subsequent improvement fails, to reimbursement of the purchase price. Any and all further claims, in particular but without limitation any liability for consequent damage, shall be excluded. Prior to use own testing must be done to prove suitability. The data are subject to change for the sake of technical progress. ® = Registered Trademark



OKS 402 Ball-Bearing High-Performance Grease

Technical Data

| | Norm | Conditions | Unit | Value |
|-------------------------------------|------------------------------|--|--|------------------------|
| Classification | DIN 51 502 | DIN 51 825 | | K2K-30 |
| Base Oil | | | | |
| Type | | | | Mineral oil |
| Viscosity | DIN 51 562-1 DIN 51 562-1 | 40°C 100°C | mm ² /s mm ² /s | ca. 110 ca. 9 |
| Pourpoint | DIN ISO 3016 | 3°C step | °C | < -25 |
| Thickener | | | | |
| Type | | | | Lithiumhydroxystearate |
| Consistency | DIN 51 818 | DIN ISO 2137 | NLGI- class | 2 |
| Worked penetration | DIN ISO 2137 | 60 double strokes | 0,1 mm | 265 - 295 |
| Penetration drop | DIN ISO 2137 DIN ISO 2137 | 5.000 double strokes 100.000 double strokes | 0,1 mm 0,1 mm | < 20 < 50 |
| Drop point | DIN ISO 2176 | | °C | > 190 |
| Application Data | | | | |
| Density | DIN EN ISO 3838 | +20°C | g/cm ³ | 0,9 |
| Colour | | | | beige |
| Service Temperatures | | | | |
| Minimum service temperature | DIN 51 805 | < 1.400 hPa | °C | -30 |
| Maximum service temperature | DIN 51 821-2 | F ₅₀ (A/1500/6000), 100h | °C | 120 |
| DN-value | | | mm min | 500.000 |
| Water resistance | DIN 51 807-1 | +90°C | Grade 1-3 | 1 |
| Corrosion Protection Tests | | | | |
| SKF-EMCOR | DIN 51 802 | | Corr.-grade 0-5 | 0 - 1 |
| SKF-EMCOR, auf Kupfer | DIN 51 811 | 24h/100°C | Corr.-grade 0-5 | 1 |
| Wear Protection Tests | | | | |
| VBT- weld load (Four ball test rig) | DIN 51 350-4 | | N | 2.000 |
| VBT- wear | DIN 51 350-5 | 1.420 1/min / 1h / 800 N | mm | 1,9 |

The data in this brochure are the result of extensive testing and experience and meet the latest stage of engineering. Due to the diversity of application possibilities and technical realities they can only be recommendations and are not arbitrarily transferable; thus no obligations, liability or warranty claims can be derived herefrom. We accept liability for the fitness of our products for particular purposes and accept such liability in writing in the individual case. In any event any justified warranty claims shall be limited to the delivery of replacement goods which are free from defect or, in the event that such subsequent improvement fails, to reimbursement of the purchase price. Any and all further claims, in particular but without limitation any liability for consequent damage, shall be excluded. Prior to use own testing must be done to prove suitability. The data are subject to change for the sake of technical progress. © = Registered Trademark