

AEROSPEC® 300 (XG-271)

Long life, multi-purpose grease for aviation and shipping

Product Overview

ROCOL® AEROSPEC 300 (XG-271) is a long life, multi-purpose grease developed for use with both anti-friction and plain bearings found in the aviation and shipping industries.

ROCOL AEROSPEC 300 (XG-271) is designed to provide long-term lubrication in arduous operating environments. Extending relubrication periods and reducing maintenance and grease usage.

ROCOL AEROSPEC 300 (XG-271) demonstrates excellent performance over a wide operating temperature range.

ROCOL AEROSPEC 300 (XG-271) provides excellent corrosion protection and performance in the presence of water.

Features and Benefits

- ROCOL AEROSPEC 300 (XG-271) offers excellent versatility operating with a wide temperature range from -40°C to +140°C.
- ROCOL AEROSPEC 300 (XG-271) is a Lithium complex soap thickened lubricant with a semi-synthetic base fluid for excellent long life performance.
- ROCOL AEROSPEC 300 (XG-271) provides excellent corrosion protection.
- ROCOL AEROSPEC 300 (XG-271) is highly resistant to water washout.

Directions for Storage and Use

- Ensure all components are clean and free from any contaminants before lubricating with AEROSPEC 300 (XG-271).
- It is recommended that previous lubricants are cleaned out of the equipment prior to filling with AEROSPEC 300 (XG-271).
- AEROSPEC 300 (XG-271) can be applied manually, by grease gun, keg pump or by other methods suitable for an NLGI No. 2 grease.
- The storage temperature should be controlled to between +1 and +40°C.
- Shelf life is 3 years from date of manufacture.

Specifications

AEROSPEC 300 (XG-271) is approved to:

- DEF STAN 91-12/1
- JSD XG 271
- NATO G-382

Pack Sizes

| Pack Size | Part Code |
|-----------|-----------|
| 75g | 16331 |
| 3kg | 16336 |

AEROSPEC® 300 (XG-271)

Long life, multi-purpose grease for aviation and shipping

| Property | Test Method | Result |
|-----------------------------|--------------------|--------------------------|
| Appearance | N/A | Smooth brown grease |
| Base Fluid Type | N/A | Semi-synthetic |
| Viscosity at 40°C | IP 71 | 77cSt |
| Viscosity at 100°C | IP 71 | 11cSt |
| Thickener | N/A | Lithium complex soap |
| NLGI No. | IP 50, ASTM D217 | 2 |
| Temperature Range | N/A | -40°C to +140°C |
| Drop Point | IP 396 | >200°C |
| Copper Corrosion | IP 112 – ASTM D130 | Pass (24 hours at 100°C) |
| Water Washout | IP 215 | 1% |
| Emcor Rating | IP 220 | 0 : 0 |
| 4 ball weld load | IP 239, ASTM D2596 | 450kg |
| Wheel bearing leakage | ASTM D1263 | 0.4g |
| Oxidation Stability: | | |
| Pressure Drop after 100 hrs | IP 142 | 30kPa |

Values quoted above are typical and do not constitute a specification.

Safety Data Sheets

Safety data sheets are available for download from our website www.rocol.com or may be obtained from your usual ROCOL contact.

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

Issue: 2 Date: 03-13

T +44 (0) 113 232 2600

F +44 (0) 113 232 2740

E customer-service@rocol.com

www.rocol.com

ROCOL House, Swillington, Leeds LS26 8BS

Registered Company No. 559693 VAT No. 742 0531 67

Registered Office: Admiral House, St Leonard's Road, Windsor, Berkshire SL4 3BL

ROCOL A division of **ITW** Ltd



BS EN ISO 9001
Certificate No. FM 12448



BS EN ISO 14001
Certificate No. EMS 67396



OHSA 18001
Certificate No. OHS 78173



INVESTORS
IN PEOPLE