

AEROSPEC® 300 (XG-291)

Long life, multi-purpose grease for aviation and shipping

Product Overview

ROCOL® AEROSPEC 300 (XG-291) 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-291) is designed to provide long-term lubrication in arduous operating environments. Extending relubrication periods and reducing maintenance and grease usage.

ROCOL AEROSPEC 300 (XG-291) demonstrates excellent performance over a wide operating temperature range.

ROCOL AEROSPEC 300 (XG-291) provides excellent corrosion protection and performance in the presence of water.

Features and Benefits

- ROCOL AEROSPEC 300 (XG-291) offers excellent versatility operating with a wide temperature range from -40°C to +140°C.
- ROCOL AEROSPEC 300 (XG-291) is a Lithium complex soap thickened lubricant with a semi-synthetic base fluid for excellent long-life performance.
- ROCOL AEROSPEC 300 (XG-291) provides excellent corrosion protection.
- ROCOL AEROSPEC 300 (XG-291) 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-291).
- It is recommended that previous lubricants are cleaned out of the equipment prior to filling with AEROSPEC 300 (XG-291).
- AEROSPEC 300 (XG-291) 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-291) is approved to:

- DEF STAN 91-105/2
- JSD XG 291
- NATO G-421
- NATO Stock Number: 9150 99 925-0415 (75g)
- NATO Stock Number: 9150 99 812-6659 (380g)
- NATO Stock Number: 9150 99 918-3786 (450g)
- NATO Stock Number: 9150 99 838-1808 (3kg)
- NATO Stock Number: 9150 99 333-0167 (45kg)

Pack Sizes

Pack Size	Part Code
450g	16324
3kg	16326

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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
Low Temp Torque Test:		
Starting Torque at -50°C	IP 186	388mNm
Running Torque at -50°C	IP 186	275mNm

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.

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