

MOLYKOTE® Specialty Lubricants for the aerospace industry

Smart Lubrication™ solutions to reduce emissions, improve range & add functionality



A trusted partner for your toughest lubrication challenges

Building on a long history of demonstrated success in industrial lubrication, MOLYKOTE® continues to invest in technology and product innovation to support customers' changing needs. Working together with our customers, MOLYKOTE® is shaping the future of specialty lubrication with:

- A broad range of trusted, technology-driven specialty lubricant chemistries
- Application expertise and technical support from internationally recognized lubrication experts
- Lubrication solutions across six product families to enable long-term solutions in a wide variety of applications
- Innovative combination of tribology and material science for wet and dry lubrication

Meeting the needs of the aerospace industry

Ensuring performance, reliability and safety in harsh environments continues to be a critical need in aerospace components and systems – but challenges also are evolving as the industry responds to trends to reduce emissions, improve range and add autonomous functionality.

MOLYKOTE® Specialty Lubricants help address a broad range of complex requirements for today's and tomorrow's challenges:

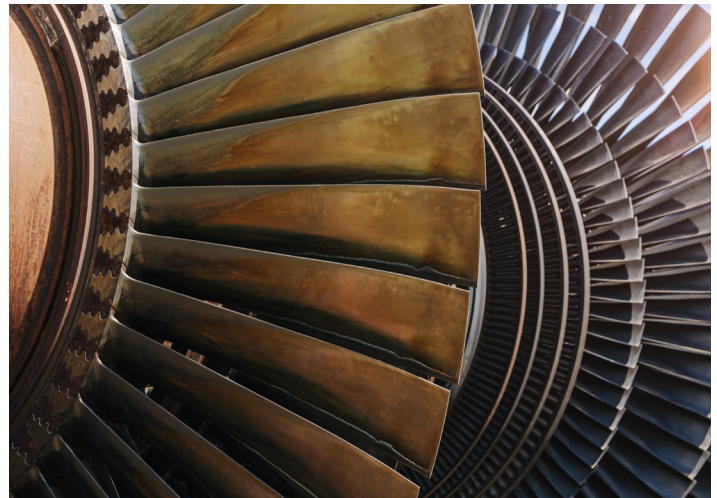
- Electrification through compound and dielectric grease offerings
- Lightweighting with greases and anti-friction coatings, especially with mixed materials
- Corrosion mitigation and extended equipment life

Used to reduce friction and wear in a wide variety of applications – including bearings, actuators, slides, landing gear components, O-rings, gaskets and electrical contacts – high-performance MOLYKOTE® Lubricants can help reduce maintenance costs and improve operational efficiency.

Smart Lubrication™ solutions for aerospace applications

Featured products

MOLYKOTE® 3400A AERO Anti-Friction Coating



Features

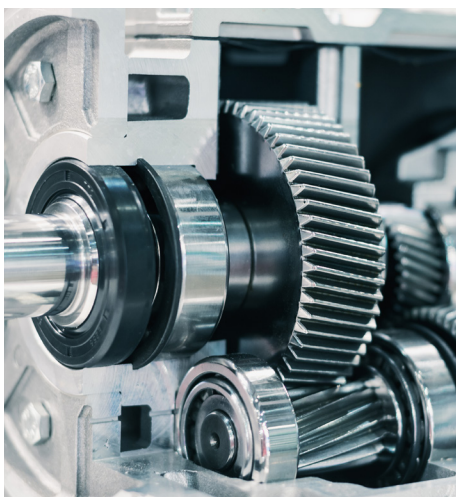
- Balance of corrosion protection and lubrication
- Oil/chemical resistance
- Tested to the technical requirements of the SAE AS5272 specification
- Quality inspected via batch testing per SAE AS5272

Typical applications

- Lubrication of turbine blade roots
- Titanium bolts
- Fixing fasteners exposed to vibrations
- Multiple types of fasteners and nuts composed of various alloys
- Hydraulic fittings
- Threaded connections



MOLYKOTE® D-321 R Anti-Friction Coating



Features

- High-temperature resistance
- Friction reduction
- Air curing (via humidity)
- Excellent on bright surfaces
- Electroconductive due to its binder
- Adhesion on all surfaces
- Available in bulk liquid or aerosolized spray form

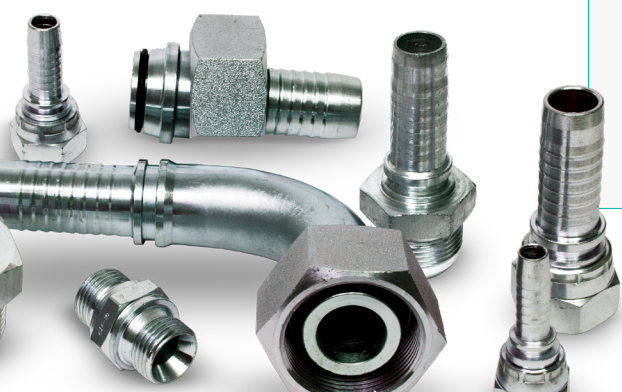
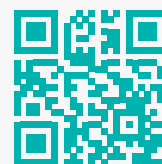
Typical applications

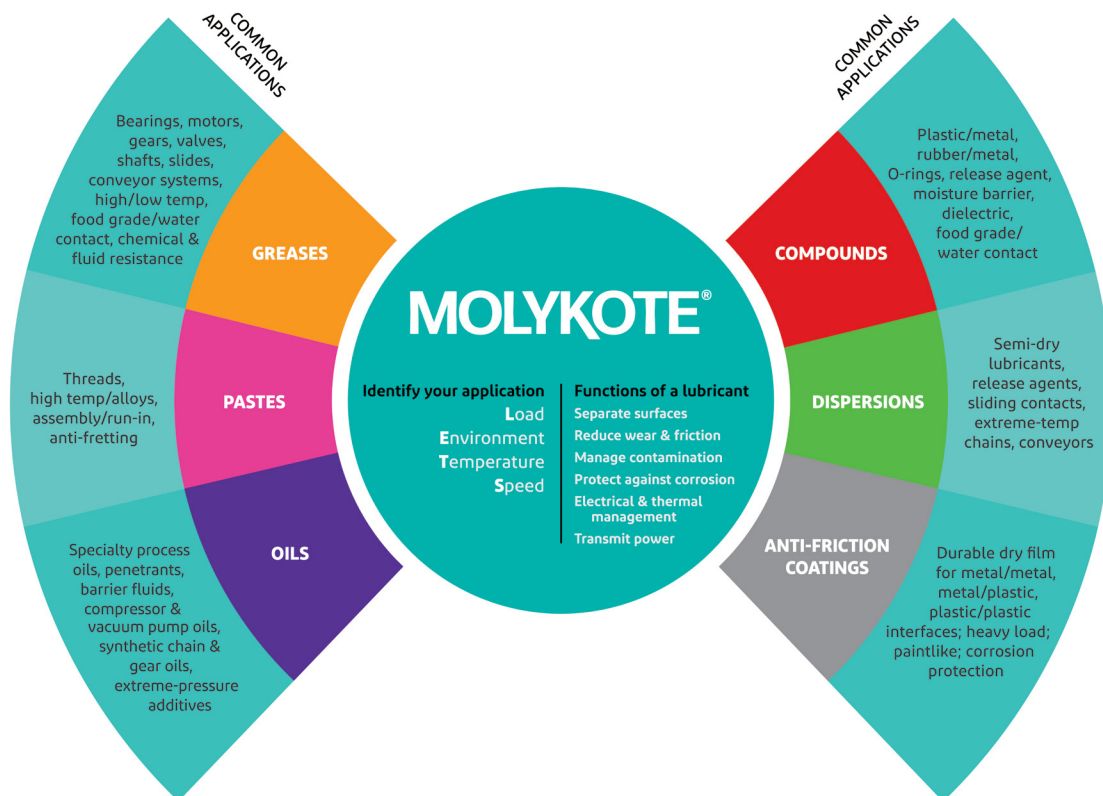
- Overhaul of engine fan blade roots
- Serial application
- Maintenance of parts/components that cannot be disassembled

Additional products for aerospace applications

Product	Features	Typical applications
MOLYKOTE® 3402-C LF Anti-Friction Coating	<ul style="list-style-type: none"> • Balance of corrosion protection and lubrication • Air drying • Oil resistance (tested per fluid resistance of MIL-L-23998) • Tested to MIL-L-23398D technical requirements 	Maintenance of parts/components that cannot be disassembled
MOLYKOTE® D-7409 Anti-Friction Coating	<ul style="list-style-type: none"> • Corrosion resistance • Balance of corrosion protection and lubrication • High-temperature resistance • Solvent and oil resistance 	Anti-fretting for helicopter gearboxes
MOLYKOTE® P-3700 Anti-Seize Paste	<ul style="list-style-type: none"> • Provides controlled friction during assembly • Makes threaded connections simple to release after long periods of time at elevated temperatures • Is environmentally friendly and health-friendly – no hazard labeling or precautionary statements • Wide service-temperature range: -30°C to 900°C; excellent heat resistance 	Threaded connections in high-temperature-exposed applications such as turbines or turbochargers

Visit **molykote.com** to learn more about our extensive product and service offerings – or scan the QR code at right to view our aerospace lubricants web page.





For more information

Visit our aerospace lubricants web page:



Explore MOLYKOTE® products' technical data sheets (TDS):



Read our brand overview brochure:



About MOLYKOTE® Specialty Lubricants

Since 1948, customers around the world have trusted the MOLYKOTE® brand for performance and expertise to help solve complex, technical design and lubrication challenges. To learn more about our extensive product and service offering, to utilize our interactive product selection tool, or to locate a distributor, visit **molykote.com**.



We have Contact Centers around the globe. Find the phone number for the center nearest you at **www.dupont.com/molykotecontact**.



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