ELECTROMECHANICAL LINEAR ACTUATORS

GUN/TURRET DRIVES FOR AIR SYSTEMS

Moog's electromechanical linear actuators are designed to meet or exceed the demanding requirements of new and existing air system gun and turret applications through world-class stabilization and pointing accuracy.

Features include a brushless DC motor which can be integrated in a 28VDC system up to a 600VDC system. A roller screw is used for linear output. The actuator features a failsafe clutch, manual drive, and no-back.

Moog is a worldwide designer, manufacturer, and integrator of custom precision motion control and stabilization systems for the defense industry. Our electromechanical rotary and linear actuators are ideal for new systems, upgrading from older hydraulic systems, and sustainment service applications.

Credit: U.S. Air Force

Credit: KMW

KEY FEATURES

- Brushless DC motor
- Rollerscrew linear output
- Self-lubricated spherical rod end bearings
- MIL-STD electrical connectors
- Integrated fail safe clutch and manual drive
- Flex shaft input for manual drive
- Optional no-back device
- Custom manual input ratios
- MIL-STD 810E and MIL-STD 461E compliant

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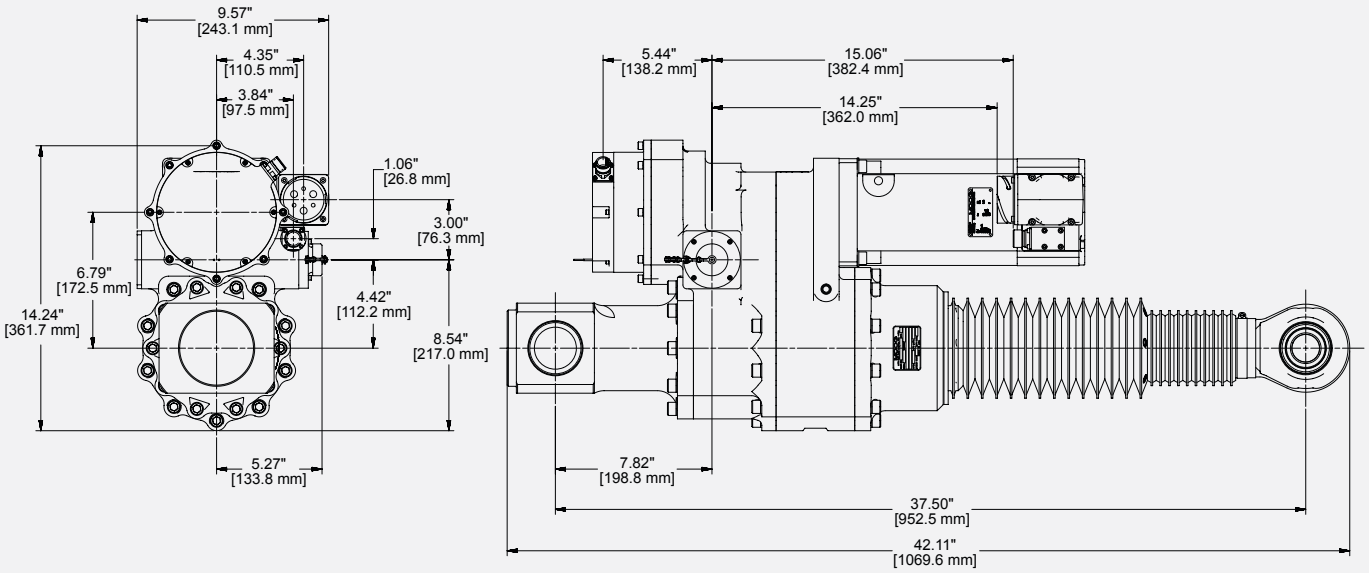
HIGH CAPACITY LINEAR ACTUATOR

PERFORMANCE

Features	Specifications
Peak torque	910 INLB (103 Nm)
Rated force	2,600 LBF (11.6 kN)
Rated speed	11.0"/s (280 mm/s)
No load speed	12.5"/s (318 mm/s)
Peak static holding force	25,000 LBF (112 kN)
Supply voltage	18VDC – 32VDC
Stiffness	1,264 kLBF/in (221 kN/mm)
Backlash	0.003" (.076 mm)
Weight	265 lbs (120 kg)
Operating stroke	8.46" (215 mm)

ARCHITECTURAL AND DIMENSIONAL DRAWING



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