

Aerospace & Defense Mechanical Actuators Offerings



AERO CONTROLEX

Applications





- Turbine Case Cooling Controls
- Engine Controls
- Throttle Controls
- Flight Controls
- Park Brake Controls
- Tiller Wheel Steering Controls
- Landing Gear Controls
- RAT Release Controls
- Thrust Reverser Controls
- Potable Water Controls
- Cockpit Vent Controls
- Door Controls
- Utility & Remote Actuation Controls
- Tension Regulators

Product Highlights

- Product offerings: sliding controls, ball bearing controls, gearboxes and mechanical assemblies and systems
- Custom designed to spec or catalogue options
- Motion: linear and rotary
- Maintenance free
- Low friction, high efficiency & low backlash
- Max continuous run: up to 50 feet
- Loads up to 3,000 lbs.
- Operating temperature: Up to 800° F
- Lightweight
- Reduced envelope for optimized weight
- Commercial aerospace, defense and marine applications

AeroControlex provides a complete line of mechanical actuators ranging from highly efficient ball bearing controls to widely adaptable sliding controls to rack & pinion gearboxes and cockpit systems and controls. AeroControlex has set the standard and is more frequently specified for a broad range of controls applications. In addition to our standard product offerings, AeroControlex specializes in custom designed, highly engineered systems to meet the requirement of your individual applications.

Mechanical Actuators Product Overview

Sliding Push/Pull Controls 	Highlights <ul style="list-style-type: none"> ✓ Operation in extreme atmospheric conditions ✓ High load carrying capability ✓ Installation flexibility for complex routing ✓ High reliability and low maintenance ✓ Field replaceable cores 	Typical Applications Passenger Entry Door Speed Brake Thrust Reverser Emergency Exit Door Landing Gear Release
Ball Bearing Push/Pull Controls 	Highlights <ul style="list-style-type: none"> ✓ High efficiency, precise and accurate motion ✓ High endurance Life: up to 1,000,000 cycles ✓ Up to 900 total degrees of bend ✓ Variety of accessories and quick disconnects ✓ As low as 0.14 lb/ft 	Typical Applications Turbine Case Cooling Throttle Engine Control Flight Controls
Gearbox & Rotary Controls 	Highlights <ul style="list-style-type: none"> ✓ Precision rack & pinion design ✓ Electrical lockout available ✓ Precision cast and/or machined housings ✓ Customizable ✓ Manual operation option available 	Typical Applications PAS/LDS Fuel Control Unit Throttle Nose Gear Steering Thrust Reverser
Mechanical Assemblies 	Highlights <ul style="list-style-type: none"> ✓ Electrical feedback available ✓ Ergonomic design for pilot interface ✓ Mechanical and electromechanical ✓ Lever assemblies ✓ Fully integration capability 	Typical Applications Park Brake RAT Release ELG Release Pitch & Roll Disconnect Steering Tillers



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