

actuators

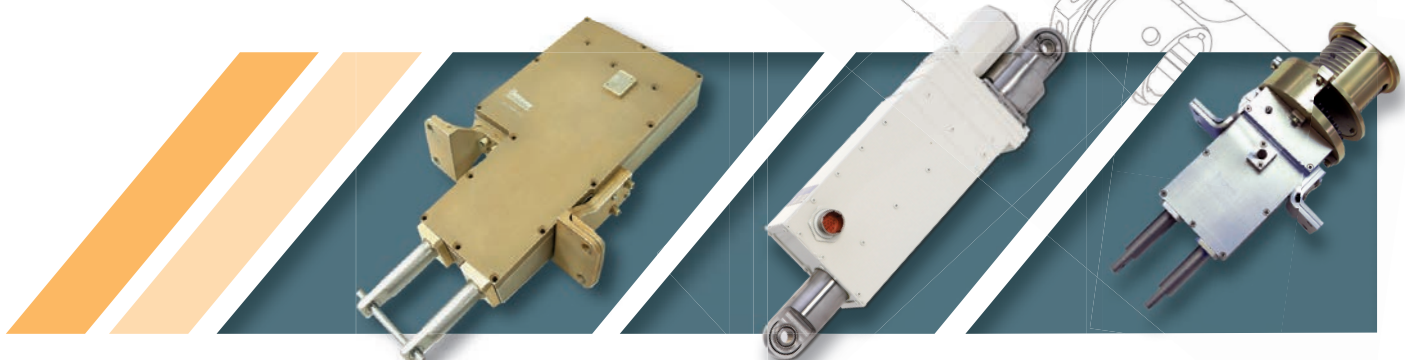
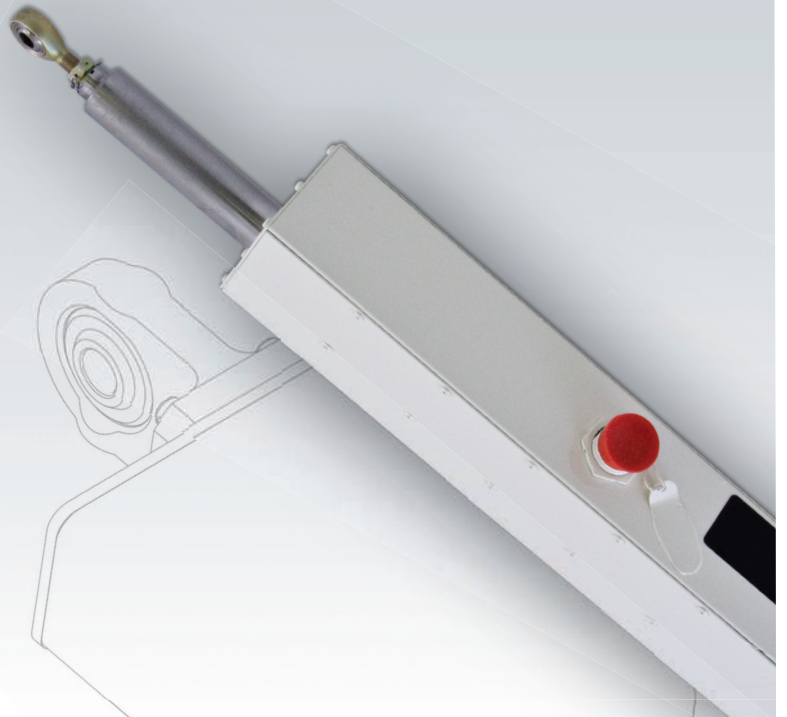
Beaver Aerospace & Defense designs, manufactures, and tests Electromechanical Actuators (EMAs) for customers with rigorous and demanding applications. We can meet our customer's expectations by modifying previously proven designs or using a clean sheet approach when necessary.

The Beaver Aerospace & Defense design and development is fully staffed with electrical, mechanical, system and test engineers. We have extensive experience with DO-160A-DO-160F, as well as MIL461/810 testing requirements.

Among the actuators designed and manufactured by Beaver Aerospace & Defense are:

- Linear Actuators
- Rotary Actuators
- Horizontal Stabilizer Trim Actuator (HSTA)
- Flap Actuator
- Trim Actuators
- Auxiliary Application Actuators
- Landing Gear Actuators
- Trailer Outrigger Actuators
- Missile Silo Actuators
- Missile Fin Actuators
- Dish Elevation Actuator
- Elevation Actuator
- Gun Lock Actuator
- Radome Door Actuator
- Wind Tunnel Actuator

See reverse for examples of previously designed actuators.



Aerospace Actuator Application Capabilities - Partial List

Program/Application	Beaver P/N	Design Requirement	Operating Load	Ultimate Load	Stroke	Voltage
VLJ Aileron Trim Actuator	JA23024	DO160	25 lbs	125 lbs	3 in.	28 VDC
VLJ Pitch Trim Actuator	JA23025	DO160	37 lbs	125 lbs	3 in.	28 VDC
ALB Actuator	BA22776	MIL-810	400 lbs	1,200 lbs	8 in.	24 VDC
Gun Lock Actuator	J20812	MIL-810	700 lbs	1,000 lbs	6 in.	28 VDC
VLJ Flap Actuator	JA23073	DO160	2,864 lbs	5,374 lbs	16 in.	28 VDC
Elevation Actuator	BA22953	MIL-810	800 lbs	19,000 lbs	35 in.	400 VDC
VLJ Flap Actuator	JA23089	DO160	2,000 lbs	6,000 lbs	10 in.	28 VDC
Radome Door Actuator	BA22699	DO160/MIL 461	3,000 lbs	12,000 lbs	30.5 in.	28 VDC
LCS Actuator	BA22805	DO160/MIL 461	1,100 lbs	5,000 lbs	12 in.	28 VDC
VLJ HSTA	JA23075	DO160	4,200 lbs	7,800 lbs	4 in.	28 VDC
Wind Tunnel Actuator	J20633	MIL 810	11,500 lbs	20,000 lbs	30 in.	28 VDC
MLRS Elevation Actuator	J17693	MIL 810	13,587 lbs	45,861 lbs	45 in.	28 VDC
Dish Elevation Actuator	J20221	MIL 810	13,660 lbs	102,300 lbs	6 ft.	208 VAC
B-Plug Actuator	BA22694	MIL 810	14,500 lbs	17,500 lbs	149 in.	208 VAC
Solar Panel Actuator	J20263	MIL 810	18,225 lbs	65,000 lbs	45 in.	208 VAC
Patriot Actuator	J16116A	MIL 810	25,000 lbs	52,000 lbs	34 in.	28 VDC

Quality Certifications and Registrations

ISO 9001:2008 • SAE AS9100 • EASA Part #145.4246 • FAA Repair Station #M15R042N
 for Ball Screws and Actuators • FAA Part 21.303 Approved PMA—Parts Manufacturing Authority
 NADCAP Certified for Non-Destructive Testing • ITAR 22 C FR 120-120 Compliant
 Export Administration Regulations (EAR) 15 CFR 730 – 774 Compliant • CAGE Code 088K1



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