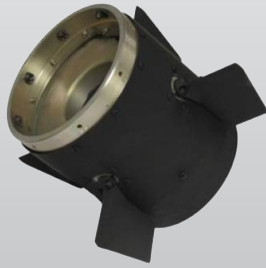


Fin Control Actuation

Missile Applications



Brimstone Missile
Fin Actuator



Harpoon Missile / SLAM-ER
Cruise Missile Actuator and Fin



Tomahawk Cruise Missile
Actuator and Fin

Superior Performance in Harsh Environments

Kearfott has a long history of design, development, and production of fin control electromechanical actuation products. For over 40 years, Kearfott has consistently supplied state-of-the-art solutions that are both reliable and affordable.

These sophisticated systems control the position of the missile fins based on commands from the flight computer. Kearfott's missile fin control products feature independent actuators with independent controllers or fully-integrated actuator/controller tail sections. The company's products feature high-power density in compact, modular form factors. Short development cycles and rapid prototype capability provide added value to customer, taking advantage of decades of flight-proven production.

Features & Benefits

- ✓ High Reliability
- ✓ Managed Risk via Rapid Prototyping
- ✓ Low Cost Through Integrated Functionality
- ✓ Bandwidth Performance >40 Hz
- ✓ Frameless Component Integration
- ✓ Innovative Packaging

Fin Control Actuation Product Specifications

<i>Physical Characteristics</i>	
Available Options	Brushless DC drives with integrated position feedback options Multiple fin lock options Multiple digital interface options
<i>Typical Performance Characteristics</i>	
Maximum No-Load Speed	300°/s
Maximum Stall Torque	2000 in-lb
Power	Up to 270 VDC
Outer Mold Line Diameter	5-13 in
Command Interface	Serial, Analog
Operating Temperature Range	Integrated Thermal Management