EAGLS
Electrically Articulated Grenade Launcher System
The Moog EAGLS is an articulated launcher system and is designed to accommodate the 66mm family of non-lethal grenades, including smoke and anti-riot. The system is comprised of an electromechanically controlled, dual-axis positioner supporting two grenade discharge racks. Each discharge rack has the capacity for six grenades and allows troops to individually position and deploy grenades up to 100m away. The launcher is continuously adjustable in azimuth and discretely adjustable in elevation for range select (grenade dependent). EAGLS has several benefits over traditional grenade launcher systems; allowing for shoot-on-the-move capability and multiple placement options on vehicles.

The EAGLS offers better scalability of effects than current non-lethal weapon systems, enabling warfighters across the full spectrum of operations from peace engagement to conventional warfare. EAGLS provides a self-contained, fully articulated launcher, which can be added to any combat or tactical vehicle to increase mission success under the harshest mobile or stationary environments.

**Features**

- Fixed or Mobile Installations
- Remotely Operated
- Wide-Angle Day-Sight Camera
- Individual Grenade Control
- Grenade Availability Status
- Range Select (Grenade Dependent)
- Predefined Launch Sequence Tours
- Redundant, Discrete Hardware Arm and Fire Signals
- Field Replaceable Discharge Racks
- Built-In Test
- MIL-STD-810 and MIL-STD-461 Compliant

**Options**

- Low Bandwidth Stabilization¹
- Integration with Existing Vehicle System(s)
  - Input for Vehicle Hatch Interlock
  - Communication with Vehicle INU for Angular Compensation/Range Correction
  - Multi-Function Display GUI (Graphical User Interface)
- Fixed Pedestal
  - Sensor Surveillance Suite
  - Shot Detection Sensor System
  - 360º Situational Awareness
- Round-Type Recognition
- Fire Control Panel Hardware Option²

¹ See page 3 for optional stabilization specifications
² See page 3 for optional Fire Control Panel hardware
**Graphical User Interface (GUI)**

Provides operator graphical interface for selecting discharge rack, aiming and fire control.

**Removable Discharge Racks**

Each rack contains six cylinders for use with multi-purpose 66mm ammunition.

**Fire Control Panel (FCP)**

Optional Hardware FCP provides operator interface for selecting discharge rack, aiming and fire control.

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### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Power</td>
<td>28 Vdc per MIL-STD-1275</td>
</tr>
<tr>
<td>Elevation Stroke Range</td>
<td>0 – 90º</td>
</tr>
<tr>
<td>Elevation Velocity</td>
<td>30º/sec</td>
</tr>
<tr>
<td>Azimuth Stroke Range</td>
<td>360º Continuous Rotation</td>
</tr>
<tr>
<td>Azimuth Velocity</td>
<td>30º/sec</td>
</tr>
<tr>
<td>Weight</td>
<td>134 lb</td>
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</tbody>
</table>

### Stabilization*

<table>
<thead>
<tr>
<th>Typical Applications</th>
<th>Disturbance</th>
<th>Rejection Rate</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Azimuth</td>
</tr>
<tr>
<td>Surveillance Post</td>
<td>0.1 Hz, 10º P – P</td>
<td>16:1</td>
</tr>
<tr>
<td>Surveillance Post, Boat</td>
<td>0.2 Hz, 10º P – P</td>
<td>14:1</td>
</tr>
<tr>
<td>Boat, Ground Vehicle</td>
<td>0.5 Hz, 10º P – P</td>
<td>3:1</td>
</tr>
<tr>
<td>Ground Vehicle</td>
<td>1.0 Hz, 4º P – P</td>
<td>1.5:1</td>
</tr>
</tbody>
</table>

*Optional Stabilization
LOCATIONS

Argentina
Australia
Austria
Brazil
Canada
China
Finland
France
Germany
India
Ireland
Italy
Japan
Luxembourg
Netherlands
Norway
Philippines
Russia
Singapore
South Africa
South Korea
Spain
Sweden
Switzerland
United Arab Emirates
United Kingdom
United States

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