MARE ISLAND MOUNTS

Mare Island mounts are U.S. Navy approved resilient mounts for the control of vibration and structure borne noise. They are rugged, all-attitude, low frequency vibration mounts designed for extended use in a harsh marine environment.

Features:

- 1:1 Axial to Radial spring rate
- Fail-safe design
- Efficiently isolates vibration in all directions
- Survives MIL-S-901D shock

Applicable Military Specifications

- MIL-S-901
- MIL-STD-167
- MIL-M-17185
- MIL-M-19379
10M50

PRODUCT SPECIFICATIONS

Operating Temperature: -20 to +200 F
Maximum Transmissibility at Resonance: 10.0
Load Capacity: 25 – 50 lb
Axial-Radial Stiffness Ratio: 1:1
Part Weight: 1.1 lb
Materials:
  Metal Components: ASTM A36 or MIL-S-22698, painted per MIL-P-24441, Type IV
  Elastomer: Neoprene

Typical Load-Deflection

Natural Frequency vs. Load
11M25

PRODUCT SPECIFICATIONS

Operating Temperature: -20 to +200 F
Maximum Transmissibility at Resonance: 10.0
Load Capacity: 15 – 25 lb
Axial-Radial Stiffness Ratio: 1:1
Part Weight: 1.0 lb
Materials:
- Metal Components: ASTM A36 or MIL-S-22698, painted per MIL-P-24441, Type IV
- Elastomer: Neoprene

![Typical Load-Deflection Graph]

![Natural Frequency vs. Load Graph]
Solutions for shock, vibration, noise, and sealing challenges

**11M15**

**PRODUCT SPECIFICATIONS**

Operating Temperature: -20 to +200 F  
Maximum Transmissibility at Resonance: 10.0  
Load Capacity: 9 – 15 lb  
Axial-Radial Stiffness Ratio: 1:1  
Part Weight: 0.3 lb  
Materials:  
   Metal Components: ASTM A36 or MIL-S-22698, painted per MIL-P-24441, Type IV  
   Elastomer: Neoprene

![Diagram of 11M15 product](image)

**Typical Load-Deflection**

<table>
<thead>
<tr>
<th>Load (lbs)</th>
<th>Deflection (inch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>0.05</td>
</tr>
<tr>
<td>10</td>
<td>0.1</td>
</tr>
<tr>
<td>12</td>
<td>0.15</td>
</tr>
<tr>
<td>14</td>
<td>0.2</td>
</tr>
<tr>
<td>16</td>
<td>0.25</td>
</tr>
<tr>
<td>18</td>
<td>0.3</td>
</tr>
</tbody>
</table>

**Natural Frequency vs. Load**

<table>
<thead>
<tr>
<th>Load (lbs)</th>
<th>F_n (Hz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>17.00</td>
</tr>
<tr>
<td>10</td>
<td>16.00</td>
</tr>
<tr>
<td>12</td>
<td>15.00</td>
</tr>
<tr>
<td>14</td>
<td>14.00</td>
</tr>
<tr>
<td>16</td>
<td>13.00</td>
</tr>
</tbody>
</table>

Max  
Min