



# 1769 Series All-Attitude Isolators

A compact, mid range frequency , general purpose all-attitude isolator for equipment for aircraft, shipboard and vehicular applications.

### Features

- Fail Safe design, All-Attitude isolator.
- Axial to Radial Stiffness ratio 1:1.
- Compact, low profile design.
- Easy to install.
- High Damped Silicone.
- Isolates equipment under 5G's sustained loading.

### Load Range

- 3 load ratings available up to 80 Lbs.
- Can be custom tailored to specific applications.

### Environmental Shock and Vibe

- Provides excellent vibration attenuation at frequencies above 40 hertz .
- Survives a 30g, 11 millisecond half-sine crash shock pulse.



### Applications

- Military electronics (shipboard, vehicle)
- Electronics for rotary wing and propeller driven aircraft.
- Avionics & electronics
- Racking and tray systems.

The 1769 mount is a mid frequency range all-attitude general purpose isolator for isolating sensitive electronics equipment for shipboard, aircraft and vehicular applications. These isolators are ideal for mounting to racks or trays systems that need a fail safe, high frequency vibration and low transmissibility at resonance isolator.

| Part # | Maximum Load (lbs.) |        | Axial Natural Frequency (HZ) | Standard Material | Standard Elastomer | Transmissibility at Resonance |
|--------|---------------------|--------|------------------------------|-------------------|--------------------|-------------------------------|
|        | Axial Compression   | Radial |                              |                   |                    |                               |
| 1766-1 | 35                  | 35     | 18                           | Steel & Aluminum  | Hi-Damp Silicone   | 4:1                           |
| 1766-2 | 50                  | 50     | 17                           | Steel & Aluminum  | Hi-Damp Silicone   | 4:1                           |
| 1766-3 | 80                  | 80     | 18                           | Steel & Aluminum  | Hi-Damp Silicone   | 4:1                           |

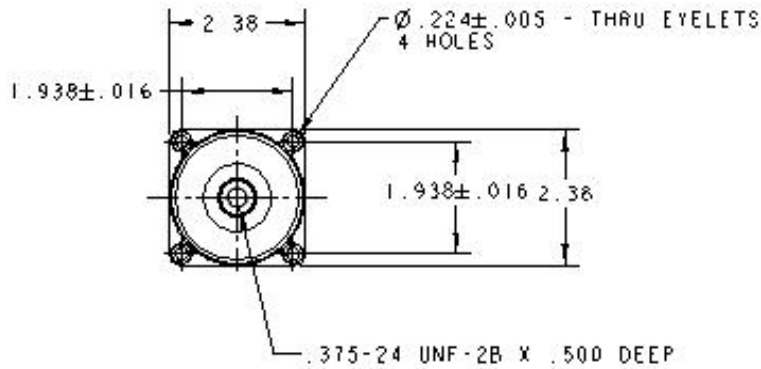
### Environmental data

Hi-Damp Silicone operating temperature range is -67°F to +300°F (-55°C to +150°C)  
 Passes Mil-E-5400 requirement for ozone, humidity, salt spray and fungus  
 Passes Mil-S-901 lightweight Grade B high impact shock test.

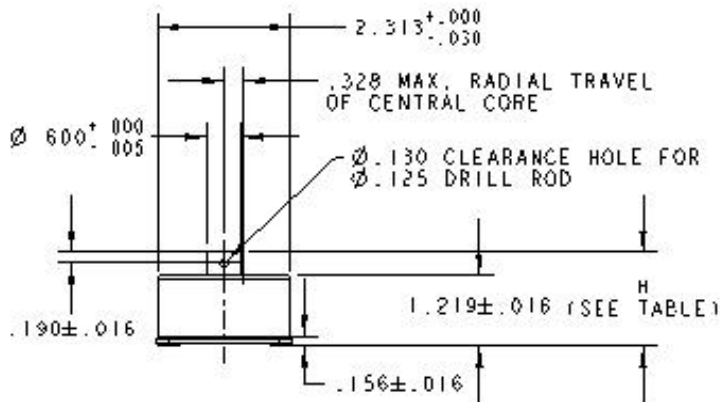
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# 1769 Mount Dimensions & Load Deflection Curves



| 1769 "H" DIMENSION |      |
|--------------------|------|
| COMPRESSED         | 1.25 |
| APPROX. FREE       | 1.63 |
| MAX. EXTENDED      | 1.94 |



| 1769 LOAD RANGE DATA |                    |
|----------------------|--------------------|
| PART No.             | MAX. LOAD/ISOLATOR |
| 1769-1               | 35 LBS             |
| 1769-2               | 50 LBS             |
| 1769-3               | 80 LBS             |

**Axial Load Deflection Curve for 1769**

