NEW!

We make it *possible*

HUTCHINSON®

Fluid Mounts

DESCRIPTION & CHARACTERISTICS:

Low-frequency, fluid-filled mounts are compact and highly-damped for severe shock and vibration environments. **Ideal for protecting mobile electronics (and other equipment) in applications where a high level of damping is desired** – such as in ground vehicles, rotary/fixed wing aircraft and shipboard installations.

» Silicone gel provides a high level of damping
» Low natural frequency internal coil spring supports static weight
» Designed for severe shock and vibration inputs (MIL-STD-810E)
» Axial to radial stiffness ratio of 1:0.8 (HFM-10) & 1:1 (HFM-25)
» Fail-safe when used with restraining strap

HUTCHINSON FLUID MOUNT ADVANTAGES:

» **Higher level of vibration damping than conventional elastomeric mounts**
» Consistent performance over entire operating temperature range:
-40˚F to +195˚F (-40˚C to +90 ˚C)
» **Excellent deflection capability and low natural frequency**
» Superior resistance to drift compared to highly damped elastomers
» **Robust seal design to prevent leakage**
» Compact space efficient design
» **Resistant to ozone and fungus**

SPECIFICATIONS:

Item	Load Range, Ground Based	Load Range, Airborne	Axial Natural Frequency	Transmissibility at Resonance	Standard Metal Material	Standard Elastomer Material
HFM-10	3 – 8 lbs	0.5 – 5 lbs	10 – 25 Hz	2.5 MAX	304 SS	Silicone
HFM-25	11 – 17 lbs	11 – 17 lbs	6 – 10 Hz	2.5 MAX	304 SS	Silicone

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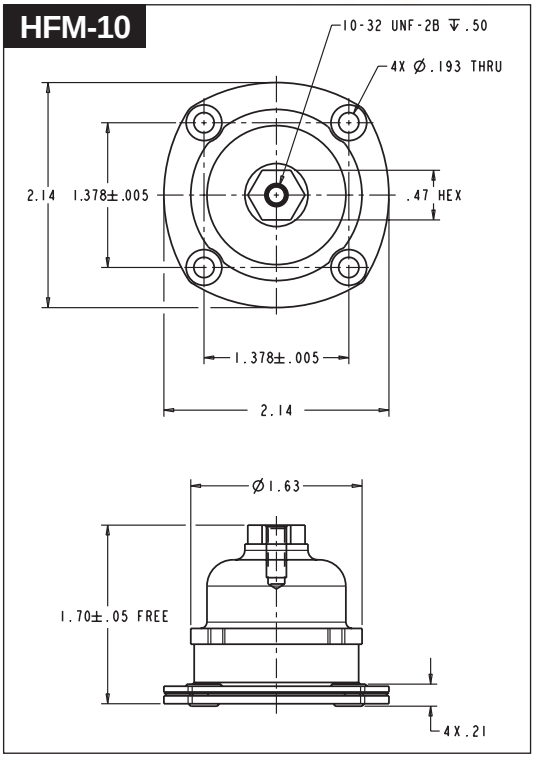
Fluid Mounts

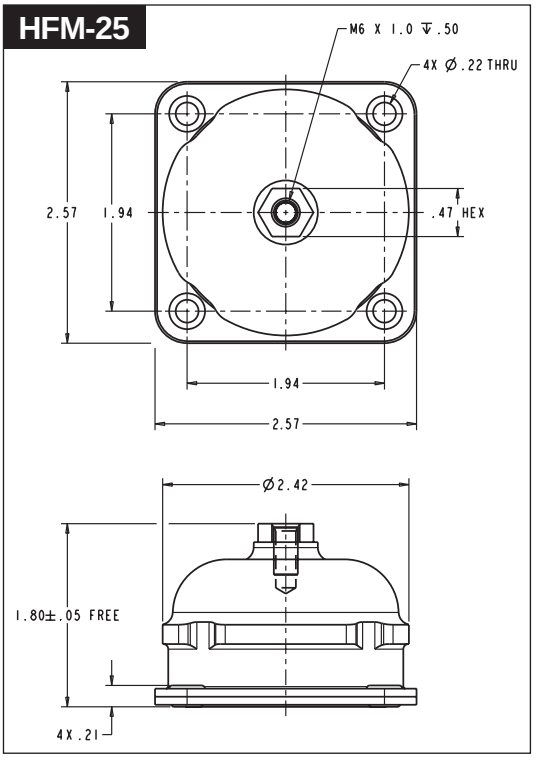
Dimensions & Performance Characteristics

DIMENSIONS:

HFM-10



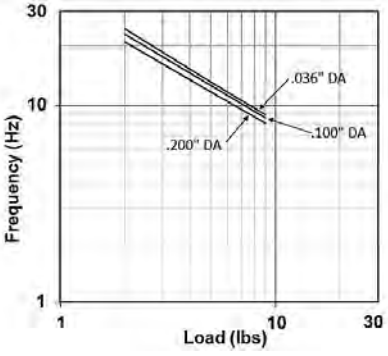
HFM-25



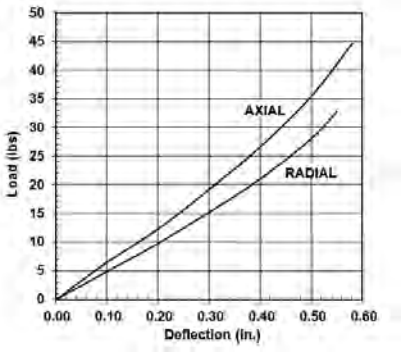
PERFORMANCE CHARACTERISTICS:

HFM-10

HFM-10
Axial Natural Frequency vs. Load

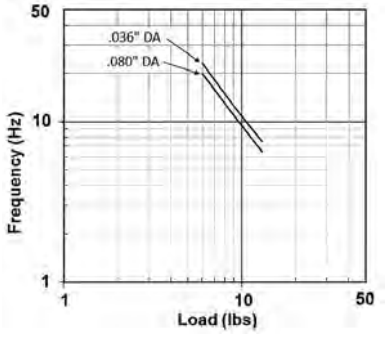


HFM-10
Load vs. Deflection



HFM-25

HFM-25
Axial Natural Frequency vs. Load



HFM-25
Load vs. Deflection