

## LOW PROFILE MOUNTS

Low profile mounts offer a compact, standardized solution to a multitude of vibration control problems. They are lightweight and rugged to satisfy challenging problems and minimize sway space requirements. They are suitable for aerospace, defense, medical and electronics applications. Low profile mounts are available with a mounting plate, in a platform base or as individual grommets.

### Features:

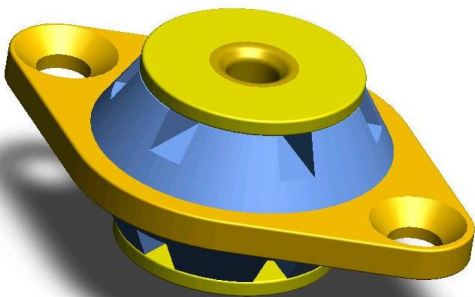
- Compact, lightweight design
- 1:1 Axial to Radial spring rate
- All attitude design
- Fail-safe design
- Efficiently isolates vibration in all directions
- Survives 30G 11ms 1/.2 sine shock input at rated load

Low profile mounts are available in two sizes.

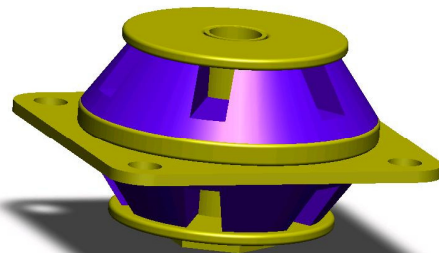
- 3203 Size: Load ratings from 4.5 to 10 lb
- 3204 Size: Load ratings from 15 to 50 lb

### Applicable Military Specifications

- MIL-E-5400
- MIL-STD-810



**VIB3203**



**VIB3206**

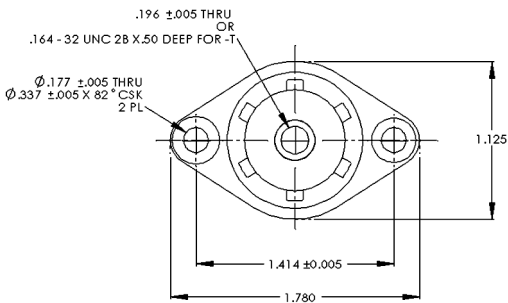
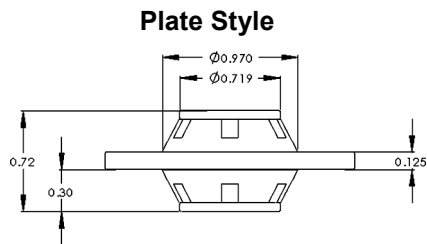
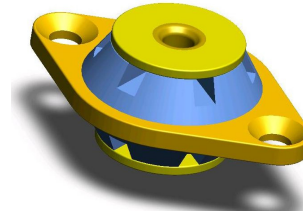
# LOW PROFILE MOUNTS VIB3203 SERIES

## PRODUCT SPECIFICATIONS

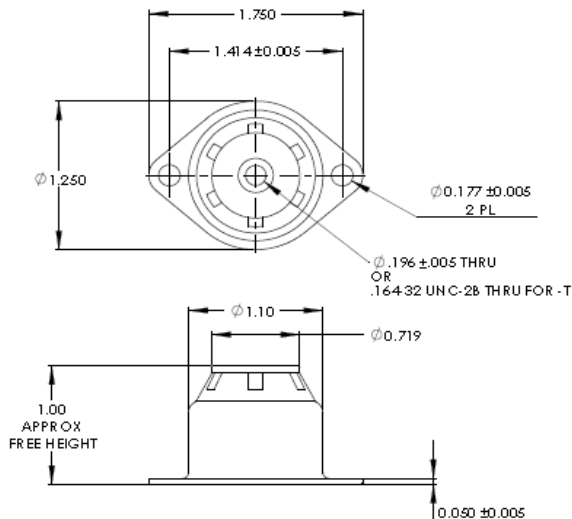
Operating Temperature: -67 to +300 F  
 Maximum Transmissibility at Resonance: 4.0  
 Load Capacity: 4.5 – 10 lb  
 Axial-Radial Stiffness Ratio: 1:1  
 Part Weight: 0.01 lb (Grommet Only)  
 0.03 lb (Plate Style Mount)  
 0.05 lb (Platform Base)

### Materials:

Plate: Aluminum alloy, chromated MIL-C-5541, class 1A  
 Core & washers: Steel, zinc plated ASTM B633  
 Elastomer: Silicone



### With Pedestal Base



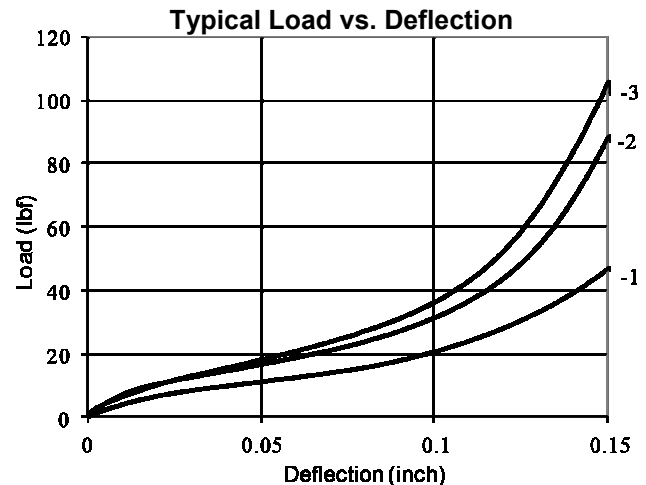
Part Numbers			
Load Rating	Grommet Only	Plate Style	w/ Pedestal Base
4.5	VIB3203-1	VIB3103-1	VIB3709-1
7.0	VIB3203-2	VIB3103-2	VIB3709-2
10.0	VIB3203-3	VIB3103-3	VIB3709-3

\*For threaded versions add T to end (ex: VIB3103-1T)  
 \*Special versions available on request

### Performance Characteristics

P/N	Axial Natural Frequency	Dynamic Axial Spring Rate		Dynamic Radial Spring Rate	
	Hz	lb/in	N/mm	lb/in	N/mm
-1	23	245	44	245	44
-2		380	68	380	68
-3		540	97	540	97

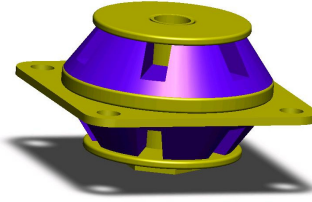
\*Fn at max rated load and .036 inch DA input  
 To correct for loads lower than rated load use:  
 $F_n = F_{nn} \cdot \sqrt{P_r / P_a}$   
 Where:  
 Fn: Natural Frequency at actual load (Hz)  
 Fnn: Nominal Natural Frequency (Hz)  
 Pr: Rated load  
 Pa: Actual load



# LOW PROFILE MOUNTS VIB3206 SERIES

## PRODUCT SPECIFICATIONS

Operating Temperature: -67 to +300 F (Silicone Versions)  
 -20 to +200 F (Neoprene Versions)  
 Maximum Transmissibility at Resonance: 4.0 (Silicone)  
 10.0 (Neoprene)  
 Load Capacity: 15 – 50 lb  
 Axial-Radial Stiffness Ratio: 1:0.8  
 Part Weight: 0.6 oz (Grommet Only)  
 2.5 oz (Plate Style Mount)  
 Materials: Plate, Core & washers: Steel, zinc plated ASTM B633  
 Elastomer: Silicone or Neoprene

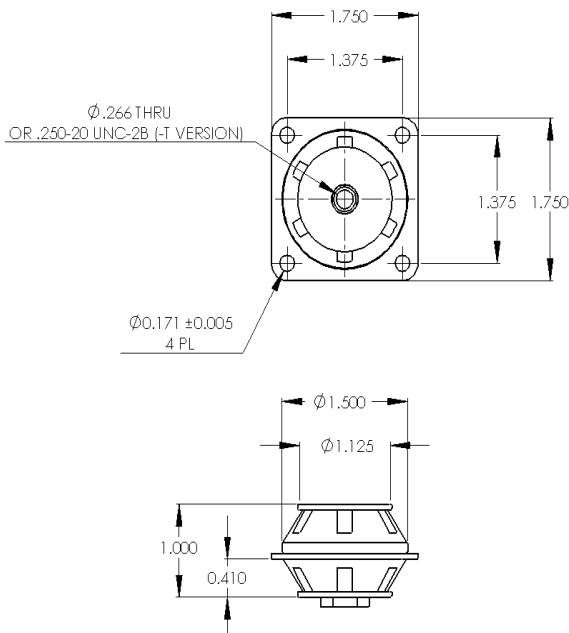


Part Numbers					
Load Rating Stationary	Load Rating Mobile	Silicone Plate Style Mount	Neoprene Plate Style Mount	Silicone Grommet Only	Neoprene Grommet Only
15	4-7	VIB3104-1	VIB2104-1	VIB3206-1	VIB2206-1
25	8-11	VIB3104-2	VIB2104-2	VIB3206-2	VIB2206-2
35	12-17	VIB3104-3	VIB2104-3	VIB3206-3	VIB2206-3
50	18-30	VIB3104-4	VIB2104-4	VIB3206-4	VIB2206-4

How to order:

### VIB3104-2TX

- For .250-20 UNC-2B Tapped versions add T to the end of part number
- Use X for Hex end of tapped core on opposite side of 1.5 DIA ring
- Use Y for Hex end of tapped core on same side as 1.5 DIA ring



Typical Load vs. Deflection

