

HIGH DEFLECTION MOUNTS VIB801 SERIES

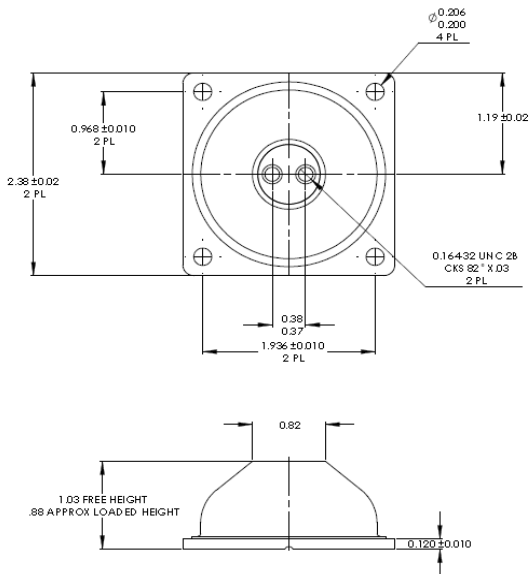
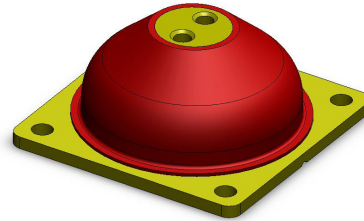
PRODUCT SPECIFICATIONS

Operating Temperature: -67 to +300 F (Silicone)
-20 to +180 F (Neoprene)

Maximum Transmissibility at Resonance: 4.0 (Silicone)
10.0 (Neoprene)

Load Capacity: 7 – 15 lb
Axial-Radial Stiffness Ratio: 1:1
Part Weight: 2.0 oz.

Materials: Core and Base Plate: Aluminum alloy 6061
-T6, chem. film per MIL-C-5541 Class 1A

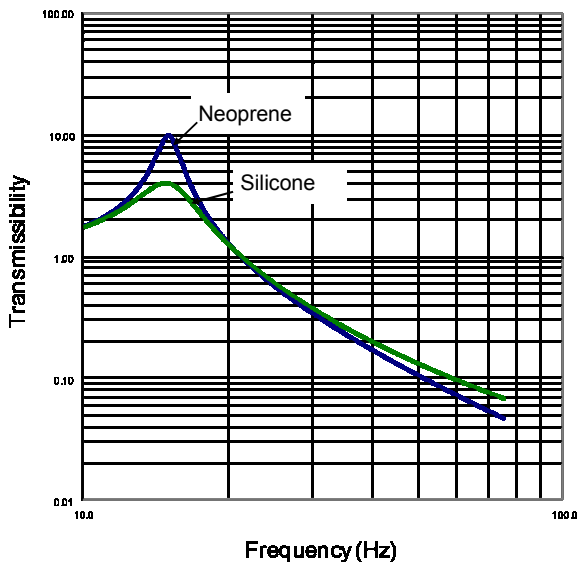


Performance Characteristics

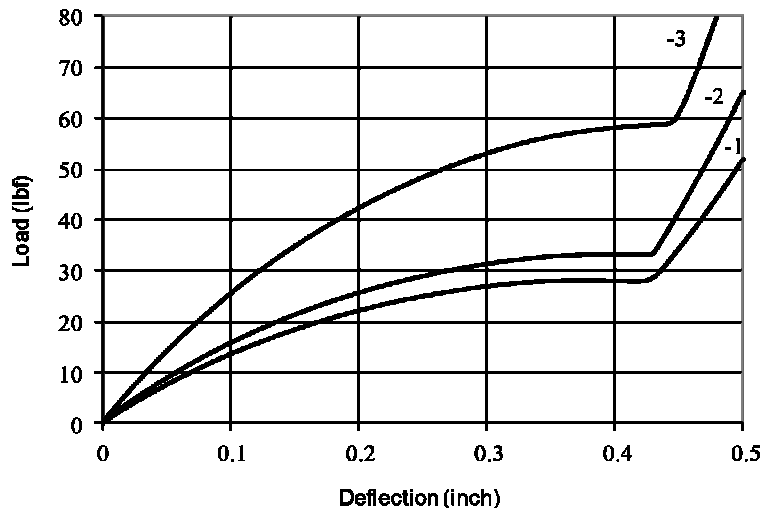
Load Rating (lbs)	Part No. Neoprene	Part No. Silicone	Axial Natural Freq.	Dynamic Axial Spring Rate		Dynamic Radial Spring Rate	
			Hz	lb/in	N/mm	lb/in	N/mm
7.0	VIB2801-1	VIB3801-1	15	160	29	160	29
10.0	VIB2801-2	VIB3801-2		230	41	230	41
15.0	VIB2801-3	VIB3801-3		344	62	344	62

*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:
F_n: Natural Frequency at actual load (Hz)
F_{nn}: Nominal Natural Frequency (Hz)
P_r: Rated load
P_a: Actual load

Transmissibility vs. Frequency



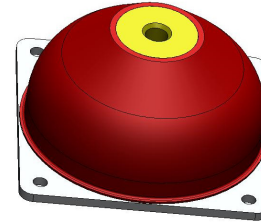
Typical Load vs. Deflection



HIGH DEFLECTION MOUNTS VIB803 SERIES

PRODUCT SPECIFICATIONS

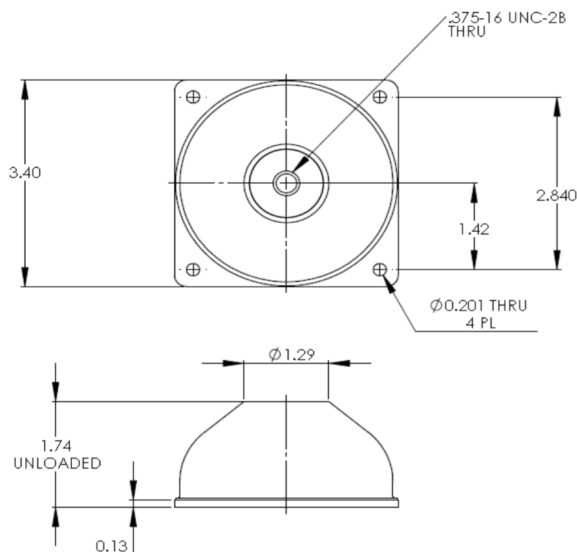
Operating Temperature: -67 to +300 F (Silicone)
 -20 to +180 F (Neoprene)
 Maximum Transmissibility at Resonance: 4.0 (Silicone)
 10.0 (Neoprene)
 Load Capacity: 12 – 30 lb
 Axial-Radial Stiffness Ratio: 2.3:1
 Part Weight: 6.5 oz.
 Materials: Core and Base Plate: Aluminum alloy 6061-T6, chem.
 film per MIL-C-5541 Class 1A



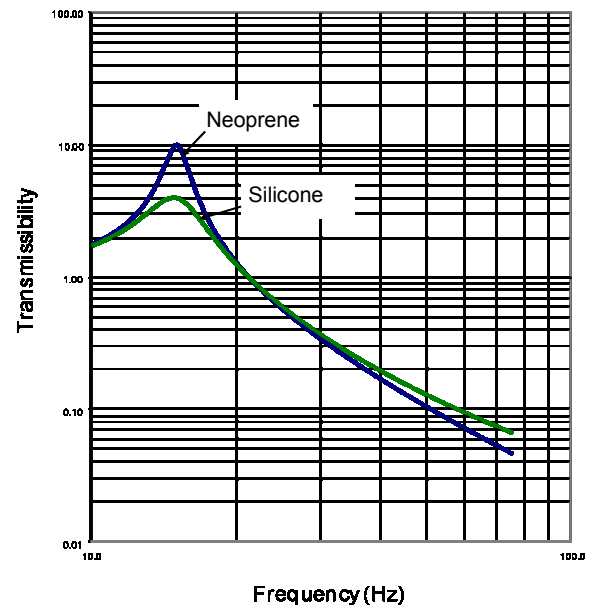
Performance Characteristics

Load Rating (lbs)	Part No. Neoprene	Material	Axial Natural Frequency	Dynamic Axial Spring Rate		Dynamic Radial Spring Rate	
			Hz	lb/in	N/mm	lb/in	N/mm
8-12	VIB2803-1	Neoprene	20	494	87	213	38
15-20	VIB2803-2			809	142	352	62
20-30	VIB2803-3			1235	217	537	94
7-10	VIB3803-1	Silicone	22	494	87	215	38
12-18	VIB3803-2			809	142	352	62
18-25	VIB3803-3			1235	217	537	94

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



Transmissibility vs. Frequency

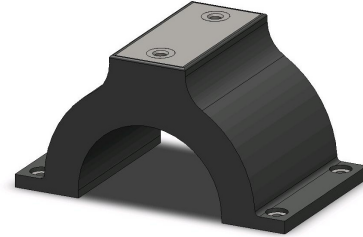


HIGH DEFLECTION MOUNTS VIB804 SERIES

PRODUCT SPECIFICATIONS

Operating Temperature: -67 to +180 F (Extended Service Blend)
 -20 to +180 F (Neoprene)
 Maximum Transmissibility at Resonance: 5.0 (ESB)
 10.0 (Neoprene)

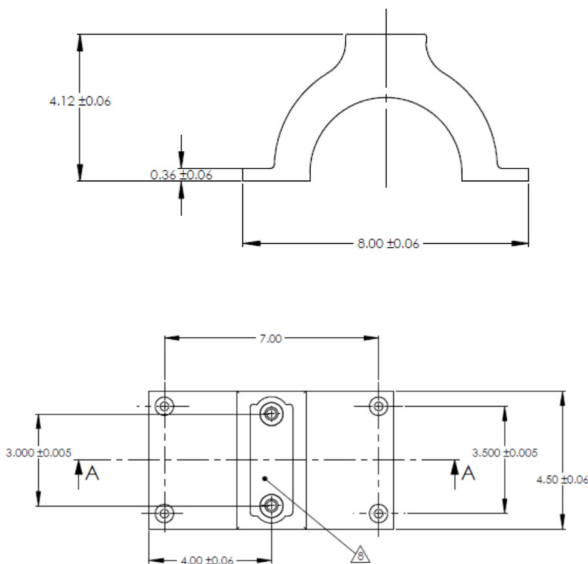
Load Capacity: 45 – 145 lb
 Axial-Radial Stiffness Ratio: 2:1
 Part Weight: 4.0 lbs
 Materials: Plates: Steel per ASTM A1008, painted



Performance Characteristics

Load Rating (lbs)	Part No. Neoprene	Part No. ESB	Axial Natural Frequency	Dynamic Axial Spring Rate		Dynamic Radial Spring Rate	
			Hz	lb/in	N/mm	lb/in	N/mm
45	VIB2804-1	VIB7804-1	12	661	118	330	59
70	VIB2804-2	VIB7801-2		1030	184	515	92
100	VIB2804-3	VIB7804-3		1470	262	735	131
145	VIB2804-4	VIB7804-4		2130	380	1065	190

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



Typical Axial Load-Deflection

