

## BONDED TUBE MOUNTS

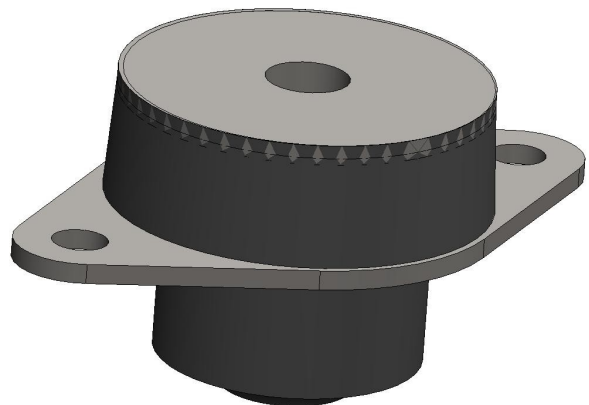
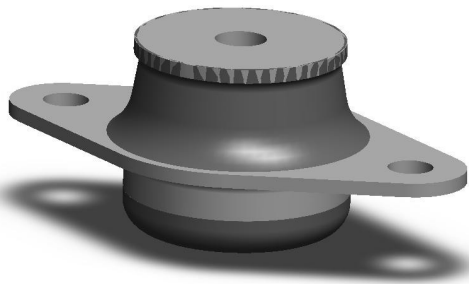
Bonded tube mounts are versatile, all attitude isolators that can satisfy many vibration control problems. They are rugged, compact isolators that offer high load carrying capability and versatile functionality. Bonded tube mounts are ideal for mounting engines, cabs or other equipment in truck, off highway or marine applications. They are offered standard in neoprene rubber with a black enamel paint finish, other materials and finishes are available upon request.

### Features:

- Compact, lightweight Design
- Fail-safe design when used with snubbing washers
- Efficiently isolates vibration in all directions

Low profile mounts are available in five sizes with load ratings from 40 to 4,560 lbs:

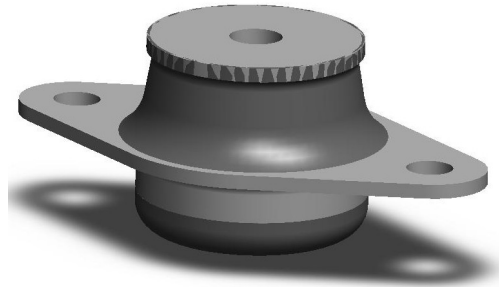
- 2107 Size: Load ratings from 100 to 330 lb
- 2108 Size: Load ratings from 180 to 570 lb
- 2110 Size: Load ratings from 320 to 1020 lb
- 2112 Size: Load ratings from 460 to 1500 lb



# VIB107 BONDED TUBE MOUNT

## PRODUCT SPECIFICATIONS

Operating Temperature: -20 to +200 F  
 Maximum Transmissibility at Resonance: 10.0  
 Load Capacity: 100 – 330 lb  
 Axial-Radial Stiffness Ratio: 1:1  
 Part Weight: 0.5 lb  
 Materials: Core & Flange: C.R.S, SAE 1010 or equiv. black acrylic painted.  
 Elastomer: Neoprene

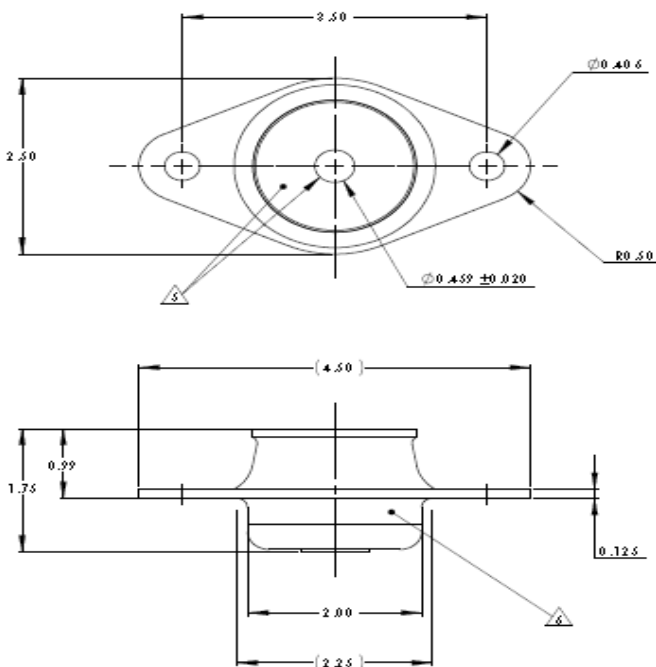


Recommended installation:  
 Maximum bolt torque: 80 fl-lb (dry) (Grade 8)  
 Snubbing washer: W10046-3

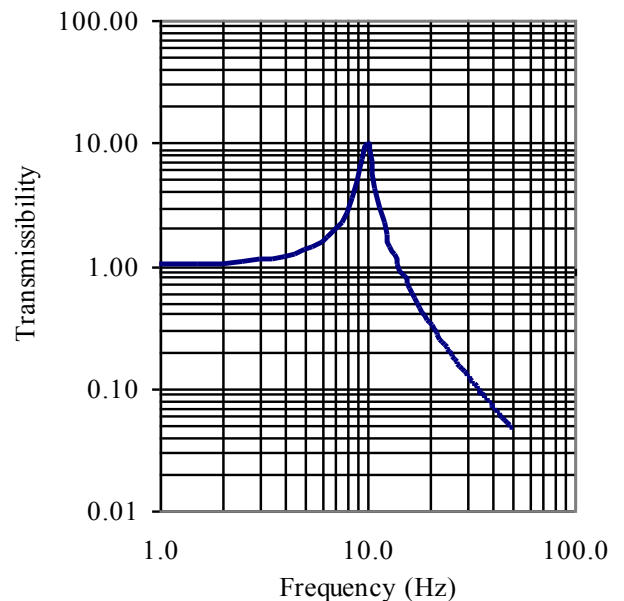
## Performance Characteristics

Part No.	Nominal Axial Static Load (lbs)	Max Axial Static Load (lbs)	Max Radial Static Load (lbs)	Axial Natural Fre-	Dynamic Axial Spring Rate		Dynamic Radial Spring Rate		Color Code
				Hz	lb/in	N/	lb/in	N/mm	
VIB2107-1	100	150	100	10	1020	179	1020	179	Red & White
VIB2107-2	120	180	120		1224	214	1224	214	Orange & White
VIB2107-3	150	225	150		1530	268	1530	268	Yellow & White
VIB2107-4	180	270	180		1836	321	1836	321	Green & White
VIB2107-5	220	330	220		2244	393	2244	393	Blue & White

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



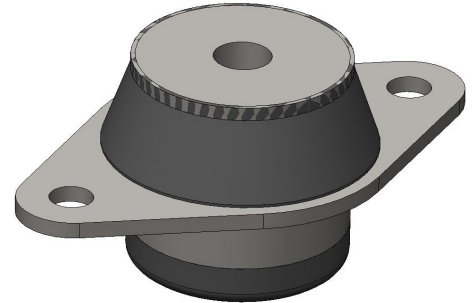
Transmissibility vs Frequency



# VIB108 BONDED TUBE MOUNT

## PRODUCT SPECIFICATIONS

Operating Temperature: -20 to +200 F  
 Maximum Transmissibility at Resonance: 10.0  
 Load Capacity: 180 – 570 lb  
 Axial-Radial Stiffness Ratio: 1:1  
 Part Weight: 0.85 lb  
 Materials: Core & Flange: C.R.S, SAE 1010 or  
 equiv. black acrylic painted.  
 Elastomer: Neoprene

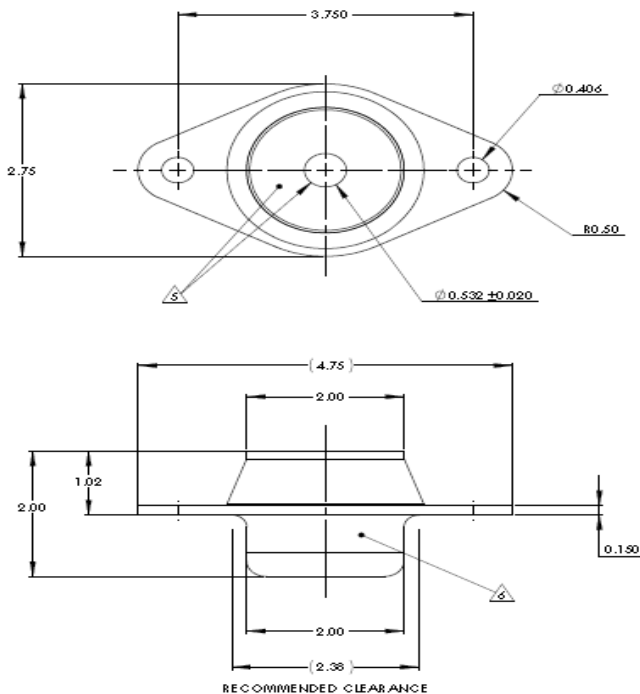


Recommended installation: Maximum bolt torque: 120 ft-lb (dry)  
 (Grade 8)

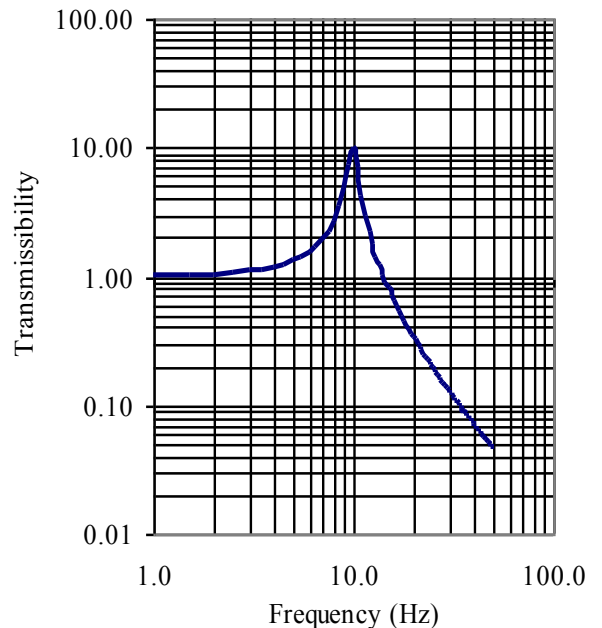
### Performance Characteristics

Part No.	Nominal Axial Static Load (lbs)	Max Axial Static Load (lbs)	Max Radial Static Load (lbs)	Axial Natural Fre-	Dynamic Axial Spring Rate		Dynamic Radial Spring Rate		Color Code
				Hz	lb/in	N/	lb/in	N/mm	
VIB2108-1	180	270	180	10	1840	322	1840	322	Red & White
VIB2108-2	220	330	220		2240	392	2240	392	Orange &
VIB2108-3	260	390	260		2650	464	2650	464	Yellow &
VIB2108-4	320	480	320		3260	570	3260	570	Green & White
VIB2108-5	380	570	380		3870	677	3870	677	Blue & White

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



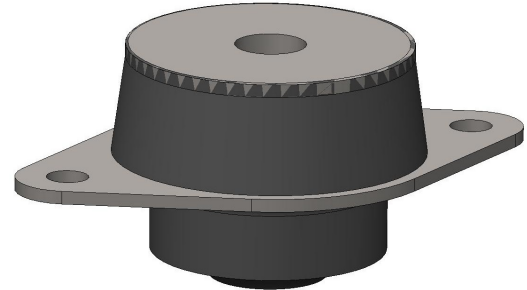
### Transmissibility vs Frequency



# VIB110 BONDED TUBE MOUNT

## PRODUCT SPECIFICATIONS

Operating Temperature: -20 to +200 F  
 Maximum Transmissibility at Resonance: 10.0  
 Load Capacity: 320 – 1020 lb  
 Axial-Radial Stiffness Ratio: 1:1  
 Part Weight: 1.2 lb  
 Materials: Core & Flange: C.R.S, SAE 1010 or equiv. black acrylic painted.  
 Elastomer: Neoprene

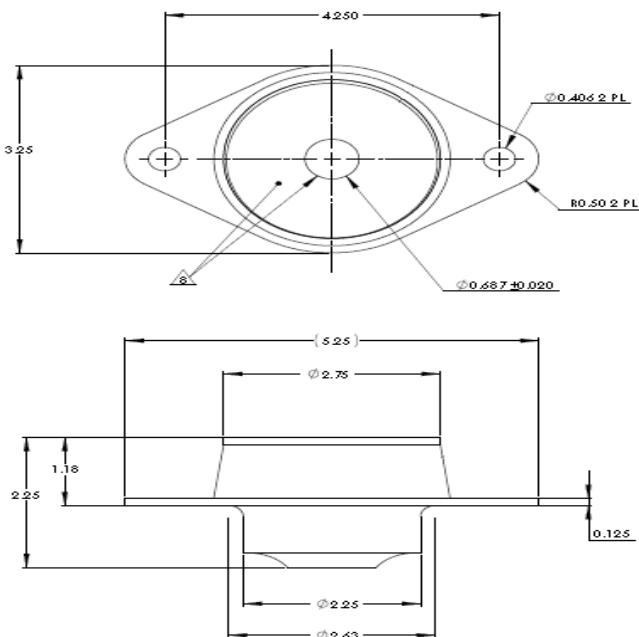


Recommended installation: Maximum bolt torque: 240 ft-lb (dry) (Grade 8)

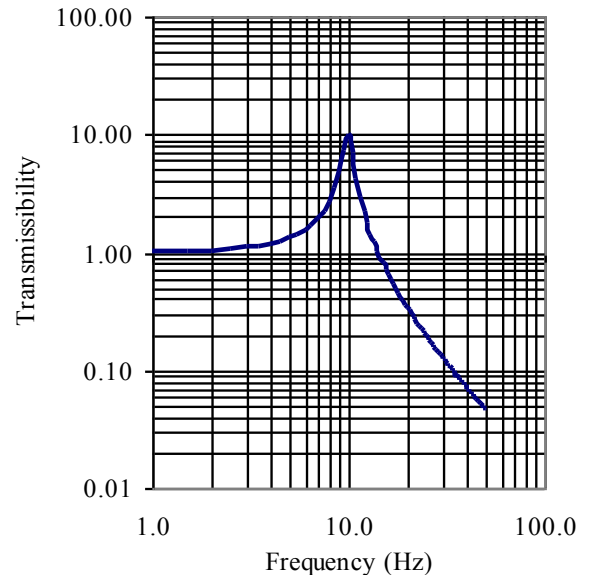
## Performance Characteristics

Part No.	Nominal Axial Static Load (lbs)	Max Axial Static Load (lbs)	Max Radial Static Load (lbs)	Axial Natural Frequency	Dynamic Axial Spring Rate		Dynamic Radial Spring Rate		Color Code
				Hz	lb/in	N/mm	lb/in	N/mm	
VIB2110-1	320	380	320	10	3260	570	3260	570	Red & White
VIB2110-2	380	570	380		3880	680	3880	680	Orange & White
VIB2110-3	460	690	460		4690	820	4680	820	Yellow & White
VIB2110-4	560	840	560		5710	1000	5710	1000	Green & White
VIB2110-5	680	1020	680		6940	1210	6940	1210	Blue & White

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



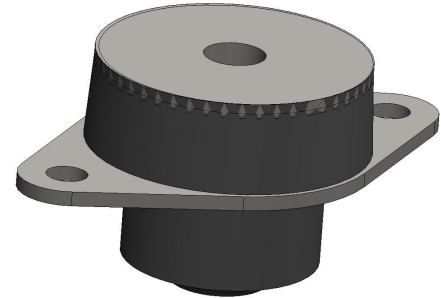
Transmissibility vs Frequency



# VIB112 BONDED TUBE MOUNT

## PRODUCT SPECIFICATIONS

Operating Temperature: -20 to +200 F  
 Maximum Transmissibility at Resonance: 10.0  
 Load Capacity: 460 – 1500 lb  
 Axial-Radial Stiffness Ratio: 1:1  
 Part Weight: 2.4 lb  
 Materials: Core & Flange: C.R.S, SAE 1010 or equiv. black acrylic painted.  
 Elastomer: Neoprene

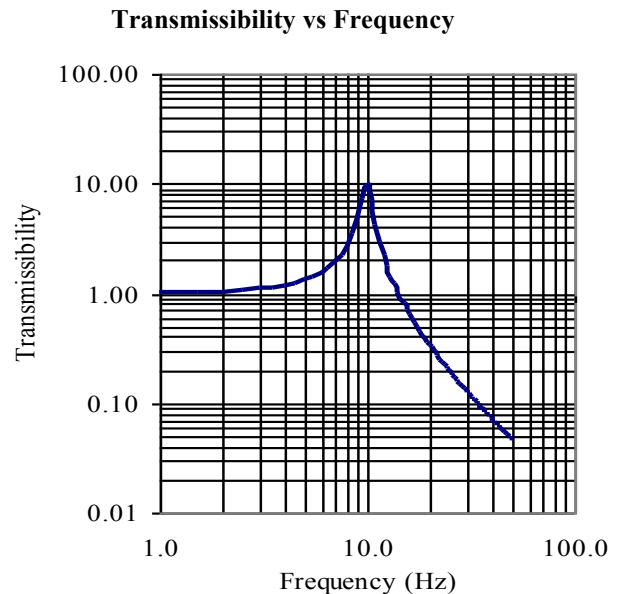
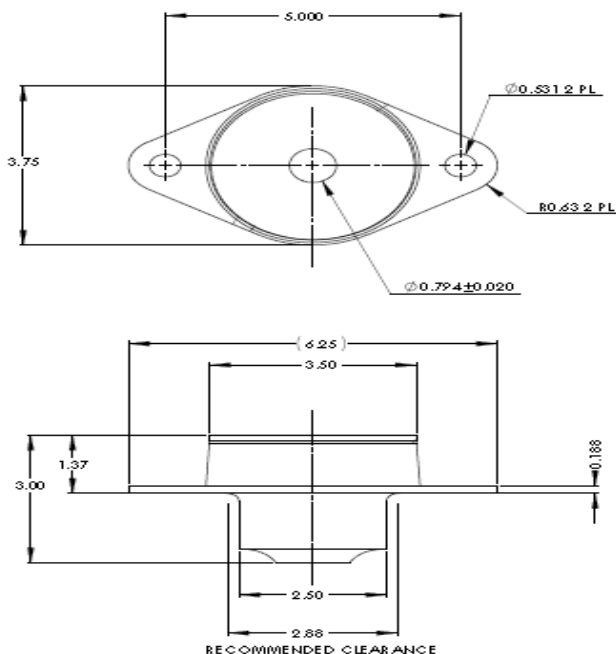


Recommended installation: Maximum bolt torque: 380 ft-lb (dry)

## Performance Characteristics

Part No.	Nominal Axial Static Load (lbs)	Max Axial Static Load (lbs)	Max Radial Static Load (lbs)	Axial Natural Frequency	Dynamic Axial Spring Rate		Dynamic Radial Spring Rate		Color Code
				Hz	lb/in	N/mm	lb/in	N/mm	
VIB2112-1	460	690	450	10	4690	820	4690	820	Red & White
VIB2112-2	560	840	560		5710	1000	5710	1000	Orange & White
VIB2112-3	680	1020	680		6340	1110	6340	1110	Yellow & White
VIB2112-4	830	1245	830		8470	1480	8470	1480	Green & White
VIB2112-5	1000	1500	1000		10200	1785	10200	1785	Blue & White

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

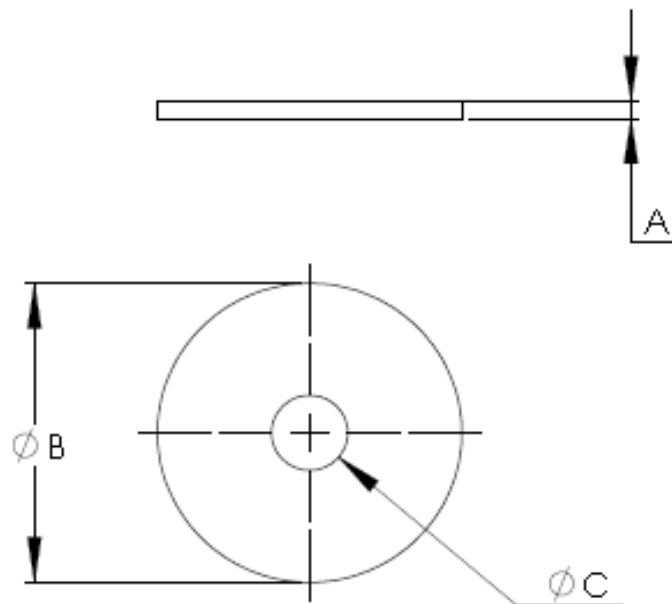


# SNUBBING WASHERS

## PRODUCT SPECIFICATIONS

Material: Steel per ASTM A1008/A1011

Finish: Zinc plated per ASTM B633, Type II, Class FE/ZN 12



Size	A	B DIA	C DIA	PART NO.
<b>VIB2107</b>	.125	2.00	.450	W10046-3
<b>VIB2108</b>	.125	2.00	.510	W10046-4
<b>VIB2110</b>	.150	2.25	.635	W10046-5
<b>VIB2112</b>	.188	2.50	.780	W10046-6