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
Solutions for shock, vibration, noise, and sealing challenges

**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 ft-lb (dry) (Grade 8)  
Snubbing washer: W10046-3

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Nominal Axial Static Load (lbs)</th>
<th>Max Axial Static Load (lbs)</th>
<th>Max Radial Static Load (lbs)</th>
<th>Axial Natural Frequency (Hz)</th>
<th>Dynamic Axial Spring Rate (lb/in N/mm)</th>
<th>Dynamic Radial Spring Rate (lb/in N/mm)</th>
<th>Color Code</th>
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</table>

*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

**Performance Characteristics**

**Transmissibility vs Frequency**
Solutions for shock, vibration, noise, and sealing challenges

**GREENE RUBBER COMPANY**

**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 fl-lb (dry)  
(Grade 8)

**Performance Characteristics**

<table>
<thead>
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<th>Nominal Axial Static Load (lbs)</th>
<th>Max Axial Static Load (lbs)</th>
<th>Max Radial Static Load (lbs)</th>
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<th>Dynamic Axial Spring Rate (lb/in)</th>
<th>Dynamic Radial Spring Rate (N/mm)</th>
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*Fn at max rated load and .036 inch DA input  
To correct for loads lower than rated load use:  
\[ F_n = F_{nn} \times \sqrt{P_r/P_a} \]  
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**
Solutions for shock, vibration, noise, and sealing challenges

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

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*Fn at max rated load and .036 inch DA input
To correct for loads lower than rated load use:

\[ F_n = F_{nn} \times \sqrt{P_r/P_a} \]

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
**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 fl-lb (dry)

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**Performance Characteristics**

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*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

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**Transmissibility vs Frequency**

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Solutions for shock, vibration, noise, and sealing challenges

SNUBBING WASHERS

PRODUCT SPECIFICATIONS

Material: Steel per ASTM A1008/A1011
Finish: Zinc plated per ASTM B633, Type II, Class FE/ZN 12

<table>
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