VIB804 HIGH DEFLECTION MOUNT

**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

<table>
<thead>
<tr>
<th>Load Rating (lb)</th>
<th>Part No. Neoprene</th>
<th>Part No. ESB</th>
<th>Axial Natural Frequency</th>
<th>Dynamic Axial Spring Rate</th>
<th>Dynamic Radial Spring Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Hz</td>
<td>lb/in</td>
<td>N/mm</td>
</tr>
<tr>
<td>45</td>
<td>VIB2804-1</td>
<td>VIB7804-1</td>
<td>12</td>
<td>661</td>
<td>118</td>
</tr>
<tr>
<td>70</td>
<td>VIB2804-2</td>
<td>VIB7801-2</td>
<td></td>
<td>1030</td>
<td>184</td>
</tr>
<tr>
<td>100</td>
<td>VIB2804-3</td>
<td>VIB7804-3</td>
<td></td>
<td>1470</td>
<td>262</td>
</tr>
<tr>
<td>145</td>
<td>VIB2804-4</td>
<td>VIB7804-4</td>
<td></td>
<td>2130</td>
<td>380</td>
</tr>
</tbody>
</table>

*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

![Typical Axial Load-Deflection](image-url)