



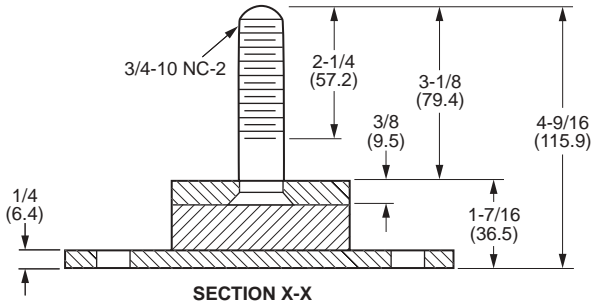
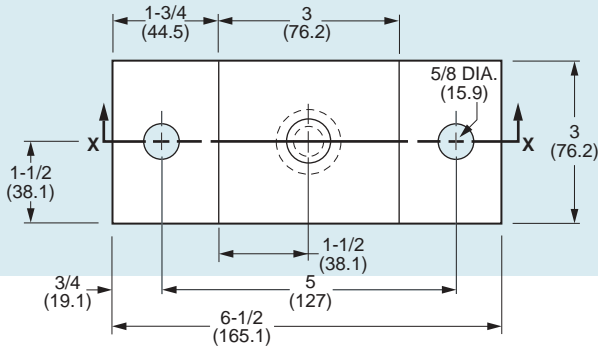
Rectangular Mounts – To 900 lbs.

www.vibrationmounts.com Phone: 516.328.3662 Fax: 516.328.3365

- **MATERIAL:** Isolator – Natural Rubber
Base – Steel

- **FOR COMPRESSION LOADS TO 900 POUNDS (408 kgf)**
• **FOR SHEAR LOADS TO 360 POUNDS (163.3 kgf)**

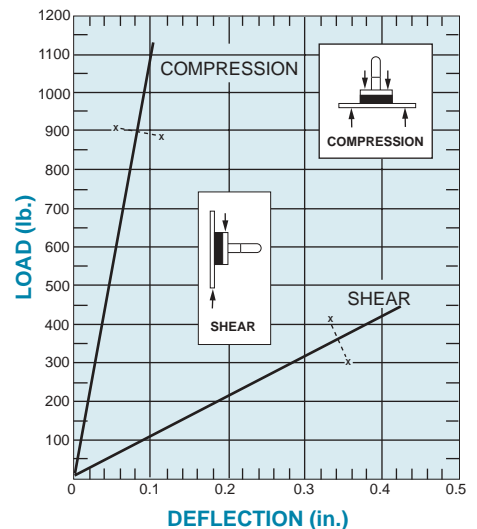
SECTION 2



NOTE: Dimensions in () are mm.

LOAD DEFLECTION GRAPH

Deflection below the line x-x are considered safe practice for static loads; data above that line are useful for calculating deflections under dynamic loads.



Compression		Forcing Frequency in Cycles per Minute									
Catalog Number ^Δ	Maximum Load lb. (kgf)	750	850	950	1100	1250	1500	1750	2000	2500	3000
		Minimum Load for 81% Isolation lb. (kgf)									
V10Z 6-530C	900 (408)	—	—	—	—	—	—	800 (362.9)	590 (267.6)	390 (177)	270 (122.5)

Shear		Forcing Frequency in Cycles per Minute									
Catalog Number ^Δ	Maximum Load lb. (kgf)	750	850	950	1100	1250	1500	1750	2000	2500	3000
		Minimum Load for 81% Isolation lb. (kgf)									
V10Z 6-530C	360 (163.3)	360 (163.3)	335 (152)	260 (118)	195 (88.5)	155 (70.3)	102 (46.3)	75 (34)	55 (25)	*	*

NOTE: 81% vibration absorption (usually satisfactory) will be obtained when the mounting indicated is operating at the minimum load shown for each forced frequency. Better than 81% absorption will be obtained either with a greater load (within the limits shown) for a given forced frequency, or with a higher forced frequency for a given load.

*At these forcing frequencies, lesser loads will yield 81% isolation.

^ΔTo be discontinued when present stock is depleted.

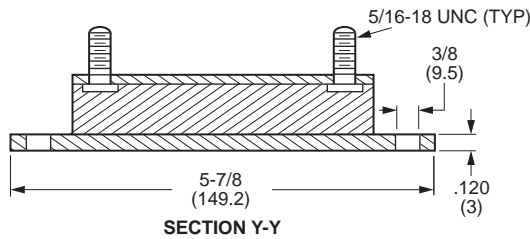
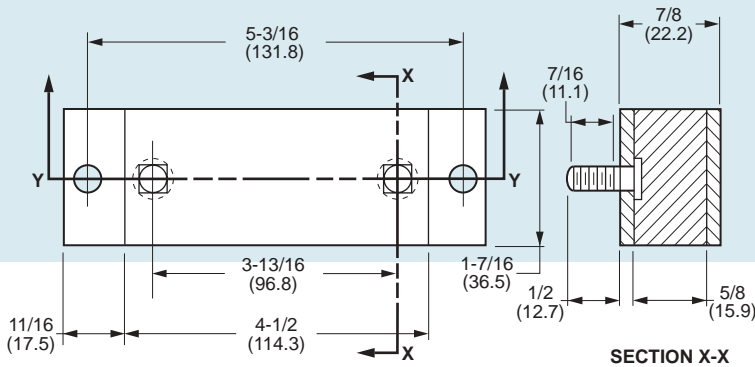


Rectangular Mounts – To 775 lbs.

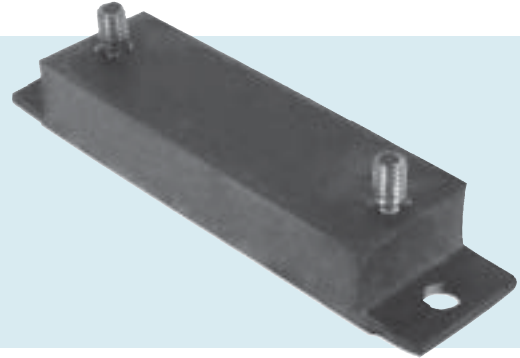
www.vibrationmounts.com Phone: 516.328.3662 Fax: 516.328.3365

● **MATERIAL:** Isolator – Natural Rubber
Base – Steel

● **FOR COMPRESSION LOADS TO 775 POUNDS (351.5 kgf)**
● **FOR SHEAR LOADS TO 315 POUNDS (142.9 kgf)**

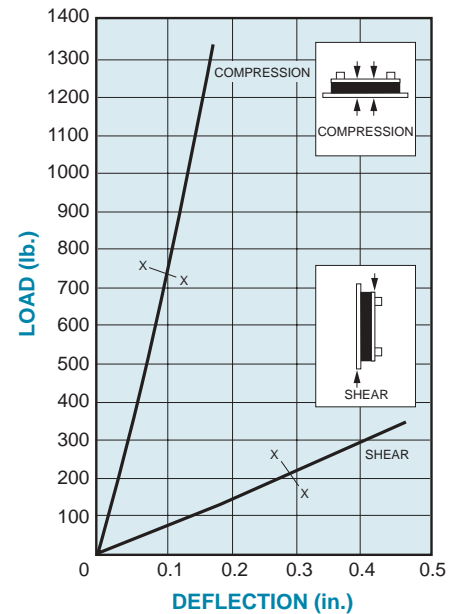


NOTE: Dimensions in () are mm.



LOAD DEFLECTION GRAPH

Deflections below the line x-x are considered safe practice for static loads; data above that line is useful for calculating deflections under dynamic loads



Compression		Forcing Frequency in Cycles per Minute									
Catalog Number	Maximum Load lb. (kgf)	750	850	950	1100	1250	1500	1750	2000	2500	3000
		Minimum Load for 81% Isolation lb. (kgf)									
V10Z 6-500B	775 (351.5)	—	—	—	—	—	—	585 (265.4)	440 (200)	270 (122.5)	175 (79.4)
Shear		Forcing Frequency in Cycles per Minute									
Catalog Number	Maximum Load lb. (kgf)	750	850	950	1100	1250	1500	1750	2000	2500	3000
		Minimum Load for 81% Isolation lb. (kgf)									
V10Z 6-500B	315 (142.9)	315 (142.9)	260 (117.9)	200 (90.7)	165 (74.8)	125 (56.7)	125 (56.7)	585 (29.5)	440 (24.9)	*	*

*At these forcing frequencies, lesser loads will yield 81% isolation.

NOTE: 81% vibration absorption (usually satisfactory) will be obtained when the mounting indicated is operating at the minimum load shown for each forced frequency. Better than 81% absorption will be obtained either with a greater load (within the limits shown) for a given forced frequency, or with a higher forced frequency for a given load.

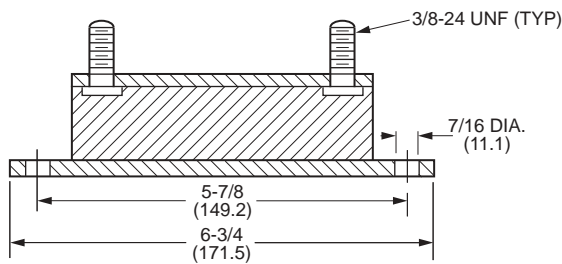
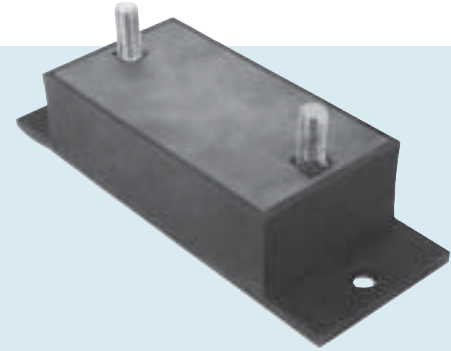
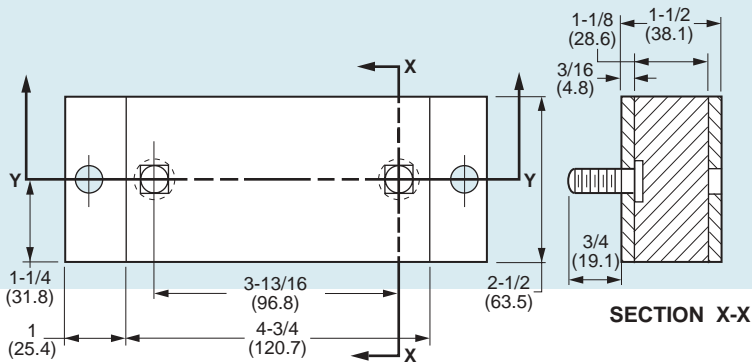


Rectangular Mounts – To 1475 lbs.

www.vibrationmounts.com Phone: 516.328.3662 Fax: 516.328.3365

- MATERIAL: Isolator – Natural Rubber
Base – Steel

- FOR COMPRESSION LOADS TO 1475 POUNDS (669 kgf)
- FOR SHEAR LOADS TO 440 POUNDS (200 kgf)

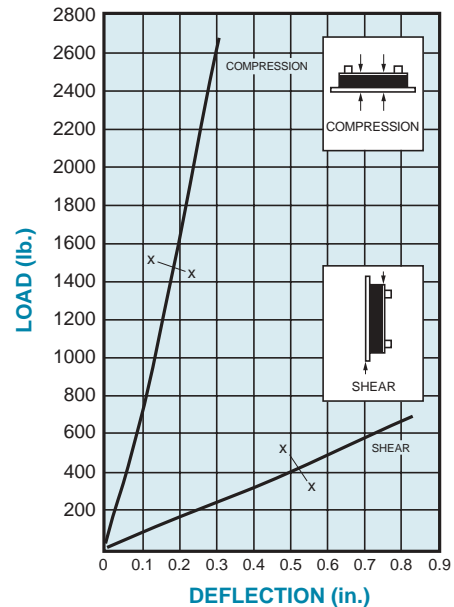


SECTION Y-Y

NOTE: Dimensions in () are mm.

LOAD DEFLECTION GRAPH

Deflections below the line x-x are considered safe practice for static loads; data above that line is useful for calculating deflections under dynamic loads



Compression		Forcing Frequency in Cycles per Minute								
Catalog Number	Maximum Load lb. (kgf)	675	850	950	1100	1250	1500	1750	2000	2500
		Minimum Load for 81% Isolation (lb.)								
V10Z 6-520B	1475 (669)	—	—	—	1200 (544.3)	1040 (471.7)	650 (294.8)	470 (213.2)	320 (145.1)	170 (77.1)

Shear		Forcing Frequency in Cycles per Minute								
Catalog Number	Maximum Load lb (kgf)	675	850	950	1100	1250	1500	1750	2000	2500
		Minimum Load for 81% Isolation (kgf)								
V10Z 6-520B	440 (200)	440 (200)	250 (113.4)	190 (86.2)	135 (61.2)	110 (49.9)	70 (31.8)	60 (27.2)	50 (22.7)	*

*At this forcing frequency, lesser loads will yield 81% isolation.

NOTE: 81% vibration absorption (usually satisfactory) will be obtained when the mounting indicated is operating at the minimum load shown for each forced frequency. Better than 81% absorption will be obtained either with a greater load (within the limits shown) for a given forced frequency, or with a higher forced frequency for a given load.

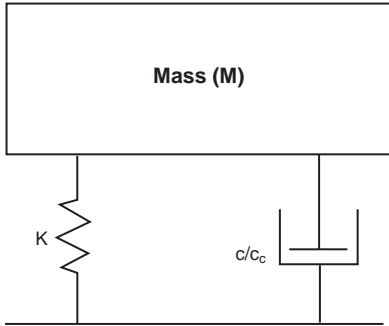


Vibration Transmissibility Charts

www.vibrationmounts.com Phone: 516.328.3662 Fax: 516.328.3365

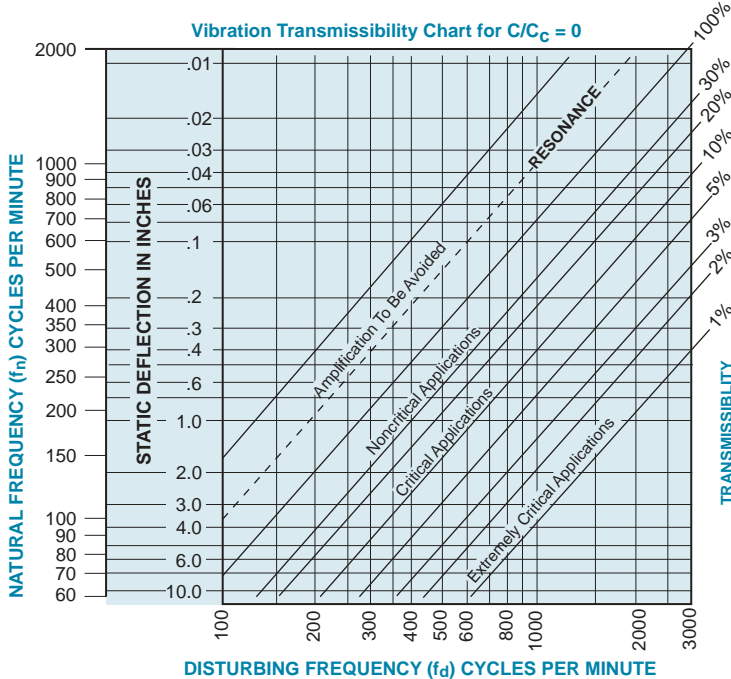
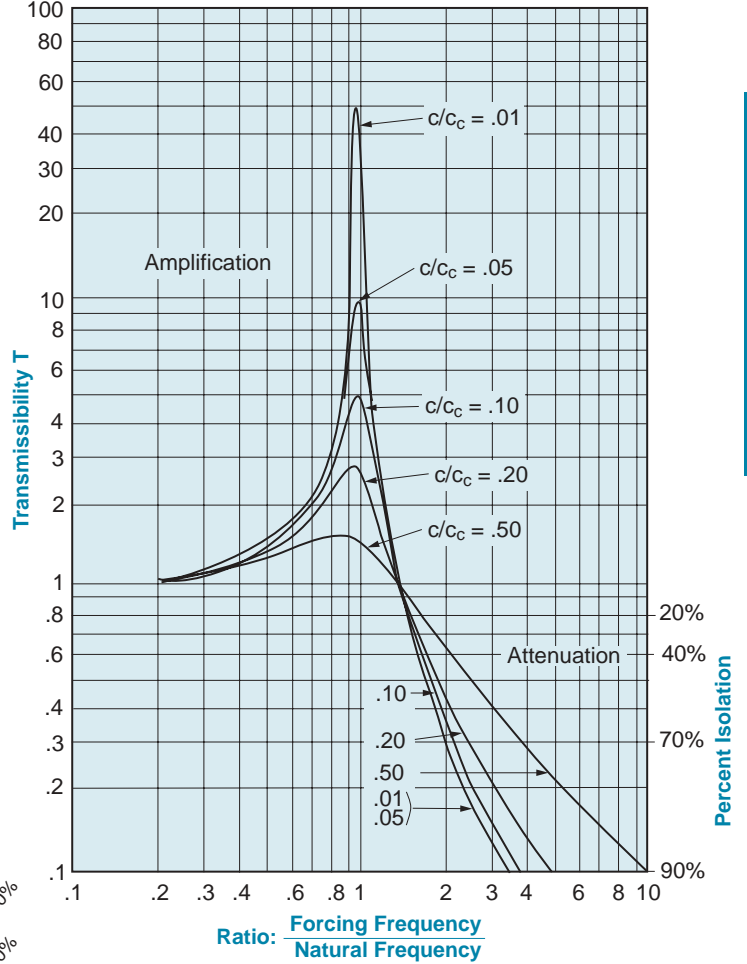
For more extensive discussion of vibration analysis and isolation, see the technical section starting on page T1-0.

Schematic of simple mounting system



K = Stiffness of spring (mount)
 c/c_c = Critical damping ratio
 c = System damping coefficient
 c_c = Critical damping coefficient
 f_d = Disturbing frequency
 f_n = Natural frequency

Transmissibility vs. Frequency Ratio and c/c_c



$$\% \text{ TRANSMISSIBILITY} = T = 100 \left[\frac{1}{\left(\frac{f_d}{f_n} \right)^2 - 1} \right]$$

TO DETERMINE THE EFFICIENCY OF ISOLATION, SUBTRACT THE % TRANSMISSIBILITY FROM 100%