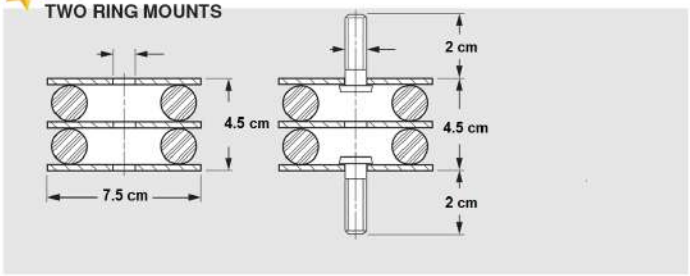
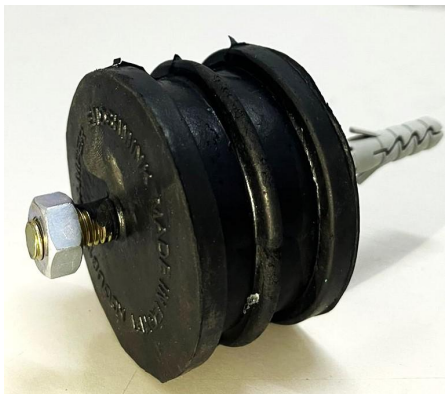
Ring Mounts

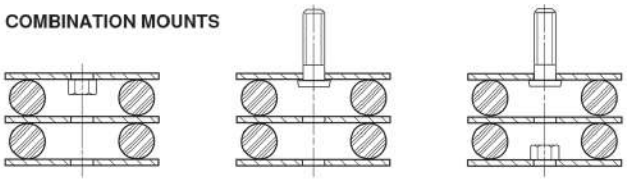
TWO RING MOUNTS





FEATURES:
- Low natural frequency
- Constant natural frequency in a wide range of load
- Excellent stability
- Multiple layers are possible
- Very easy to install

COMBINATION MOUNTS



Style HN | Style HB | Style BN

NOTE: These combination mounts shown above are also available with three rings.

CATALOG NUMBER DESIGNATION

V10Z47MRM □□□□□□

Load Code

Mounting Style: (see drawings at left)
HH, BB, NN, HN, HB or **BN**

Load Code No.	Rings	Load Range: Standard Load kgf	Standard Load lb.	Lower Limit... Upper Limit kgf	Lower Limit... Upper Limit lb.	Defl. with Std. Load mm	Defl. with Std. Load in.	*Nat. Freq. (cpm)	D mm	D in.	H mm	H in.	d_1 Thread	d_2 mm	d_2 in.	L mm	L in.
0602	2	75	165	25...100	55...220	11	.43	450	60	2.36	35	1.38	M8	11	.43	30	1.18
0603	3					15	.59	370			51	2.00					
0802	2	150	331	50...200	110...441	14	.55	380	80	3.15	46	1.81	M10	13	.51		
0803	3					20	.79	320			67	2.64					
1202	2	300	661	100...400	220...882	20	.79	310	120	4.72	66	2.60	M12	15	.59	35	1.38
1203	3					30	1.18	260			97	3.82					
1602	2	600	1322	200...800	440...1763	27	1.06	270	160	6.30	86	3.39	M16	19	.75	55	2.17
1603	3					41	1.61	220			126	4.96					
2302	2	1200	2645	400...1600	882...3526	38	1.50	230	230	9.06	114	4.49	M16	19	.75	55	2.17
2303	3					57	2.24	190			168	6.61					

*The natural frequency of 1 layer is 2 layers natural frequency $\times\sqrt{2}$

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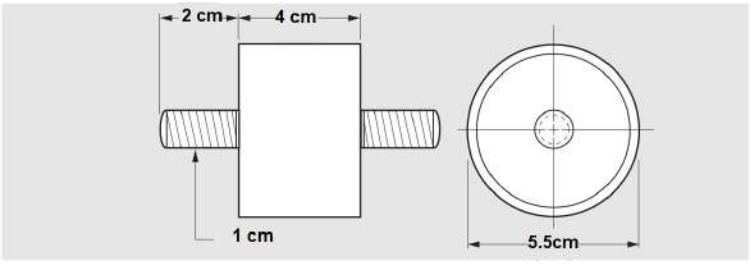
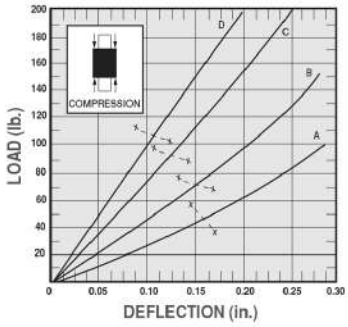
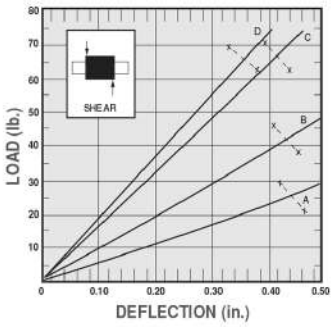
Cylindrical Mounts



NOTE: Dimensions in ( ) are mm.

LOAD DEFLECTION GRAPHS
Deflections 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	Maximum Load lb. (kgf)	700	950	1100	1250	1500	1750	2000	2250	2500	3000
		Minimum Load for 81% Isolation lb. (kgf)									
V10Z 2-311A	47 (21.3)	—	—	—	44.5 (20.2)	30.0 (13.6)	22.0 (10)	18.0 (8.2)	13.5 (6.1)	11.0 (5)	—
V10Z 2-311B	74 (33.6)	—	—	—	72.5 (32.9)	48.5 (22)	35.5 (16.1)	27.0 (12.2)	21.0 (9.5)	17.5 (7.9)	12.5 (5.7)
V10Z 2-311C	96 (43.5)	—	—	—	—	75.7 (34.3)	55.5 (25.2)	43.0 (19.5)	34.0 (15.4)	28.0 (12.7)	19.5 (8.8)
V10Z 2-311D	105 (47.6)	—	—	—	—	100.0 (45.4)	73.0 (33.1)	56.5 (25.6)	45.0 (20.4)	38.0 (17.2)	25.5 (11.6)

Shear		Forcing Frequency in Cycles per Minute									
Catalog Number	Maximum Load lb. (kgf)	700	950	1100	1250	1500	1750	2000	2250	2500	3000
		Minimum Load for 81% Isolation lb. (kgf)									
V10Z 2-311A	27 (12.2)	27.0 (12.2)	19.5 (8.8)	11.5 (5.2)	9.0 (4.1)	6.0 (2.7)	*	*	*	*	*
V10Z 2-311B	41 (18.6)	—	31.0 (14.1)	19.0 (8.6)	14.5 (6.6)	10.5 (4.8)	8.0 (3.6)	*	*	*	*
V10Z 2-311C	66 (29.9)	—	53.5 (24.3)	33.0 (15)	26.5 (12)	19.0 (8.6)	14.0 (6.4)	11.5 (5.2)	9.0 (4.1)	*	*
V10Z 2-311D	66 (29.9)	—	61.0 (27.7)	38.0 (17.2)	30.5 (13.8)	22.0 (10)	19.5 (8.8)	13.0 (5.9)	10.5 (4.8)	8.5 (3.9)	*

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

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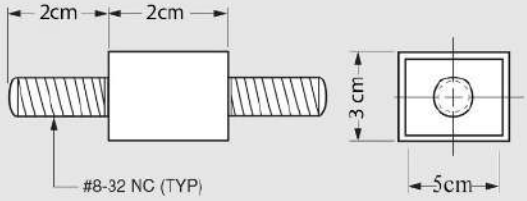
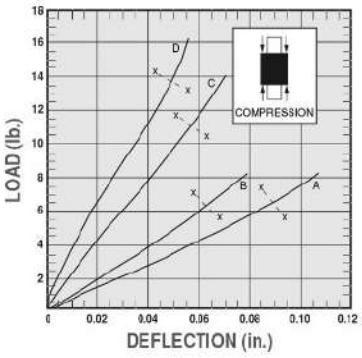
Rectangle Mounts – To 13.8 lbs.

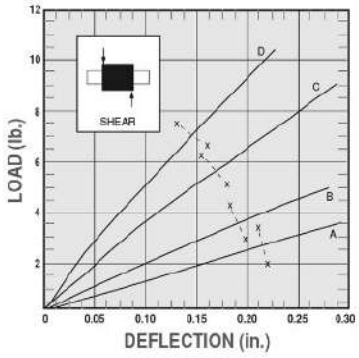


NOTE: Dimensions in ( ) are mm.

NOTE: Maximum unthreaded portion of stud does not exceed 1/16 inch (1.59 mm).

LOAD DEFLECTION GRAPHS
Deflections below the line x–x are considered safe practice for static loads; data above that line are useful for calculating deflections under dynamic loads.





Catalog Number	Mode	Maximum Load lb. (kgf)	Forcing Frequency in Cycles per Minute									
			1100	1250	1500	1750	2000	2250	2500	2750	3000	3600
			Minimum Load for 81% Isolation lb. (kgf)									
V10Z 1-321A	Compression	5.1 (2.3)	—	—	—	5.1 (2.3)	3.9 (1.8)	3.1 (1.4)	2.6 (1.2)	2.1 (1)	1.8 (0.8)	—
	Shear	2.6 (1.2)	2.4 (1.1)	1.8 (0.8)	1.3 (0.6)	.9 (0.4)	.7 (0.3)	.6 (0.27)	*	*	*	*
V10Z 1-321B	Compression	6.4 (2.9)	—	—	—	—	5.5 (2.5)	4.3 (2)	3.4 (1.5)	2.8 (1.3)	2.4 (1.1)	1.8 (0.8)
	Shear	3.6 (1.6)	3.4 (1.5)	2.8 (1.3)	1.9 (0.9)	1.4 (0.6)	1.0 (0.5)	.8 (0.4)	.7 (0.3)	.6 (0.27)	*	*
V10Z 1-321C	Compression	11.1 (5)	—	—	—	—	11.0 (5)	8.7 (3.9)	7.1 (3.2)	6.0 (2.7)	5.1 (2.3)	3.8 (1.7)
	Shear	5.7 (2.6)	—	4.9 (2.2)	3.6 (1.6)	2.9 (1.3)	2.2 (1)	1.8 (0.8)	1.5 (0.7)	1.3 (0.6)	1.1 (0.5)	.9 (0.4)
V10Z 1-321D	Compression	13.8 (6.3)	—	—	—	—	—	12.3 (5.6)	10.3 (4.7)	8.9 (4)	7.7 (3.5)	5.9 (2.7)
	Shear	7.1 (3.2)	—	7.0 (3.18)	5.1 (2.3)	3.9 (1.8)	3.1 (1.4)	2.6 (1.2)	2.1 (1)	1.8 (0.8)	1.6 (0.7)	1.2 (0.54)

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

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Vee Mount

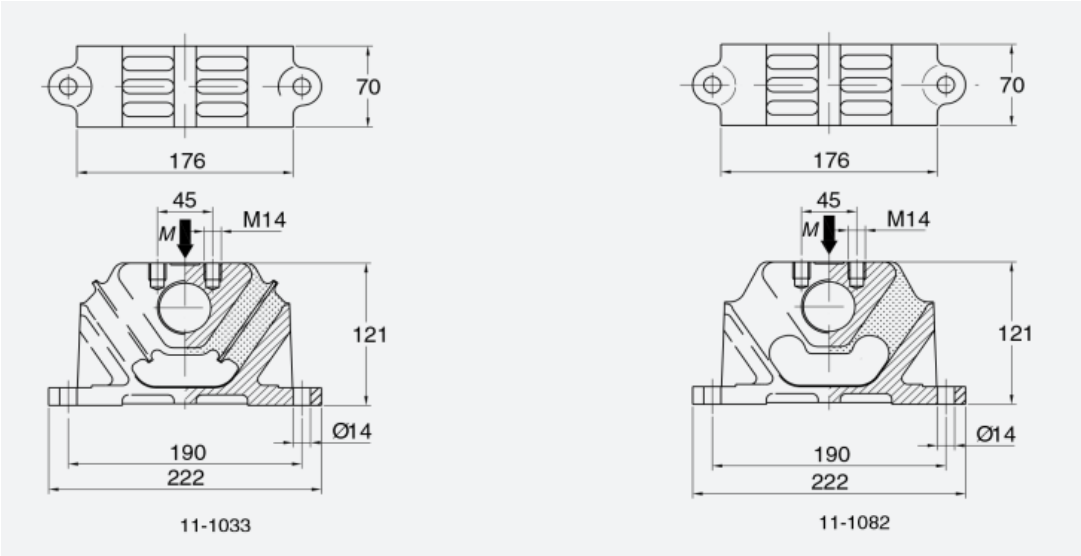
For all heavy vibrating mechanic machines. The vertical stiffness rate ensures that when the mounting is properly loaded, the vertical natural frequency does not coincide with the body bending frequency and the high longitudinal stiffness controls shunting shock motion. The mounting is usually connected to the solebars via the base casting, and a buffer is attached to the Vee section casting to limit tensile loads.

A high load capacity mounting with relatively large rubber volume providing a high degree of vibration and noise isolation and makes it ideally suited for suspending engines installed in public service and goods vehicles.

The Vee mount has the following features:

- Three dissimilar translational stiffness for the best vibration isolation and motion control.
- Strong castings for safety and reliability.

Technical drawing:



Product data:

Drawing no.	Part no.	Type	Max load (kg)	Weight (kg)
11-1082	10-00205	55 IRH	210	4.2
11-1082	10-00206	65 IRH	315	4.2
11-1033	10-00196	50 IRH	470	4.5
11-1033	10-00197	60 IRH	710	4.5