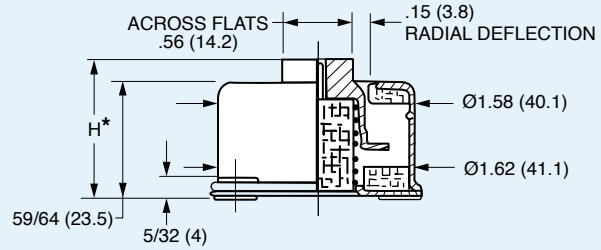
Steel Spring and Mesh Mounts – To 10 lbs.

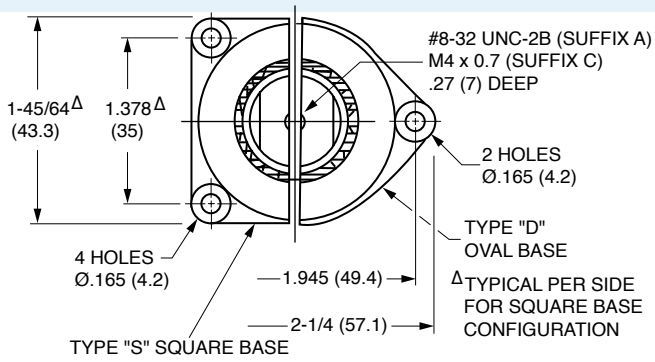
www.vibrationmounts.com Phone: 516.328.3662 Fax: 516.328.3365

- **MATERIAL: Housing –** Aluminum Alloy, Anodized
  Eyelets – Brass, Tin Plated
  Isolators – Stainless Steel Spring and Mesh

- **CORROSIVE ENVIRONMENT • STAINLESS STEEL MESH**
- **FOR LOADS OF .5 TO 10 POUNDS (0.25 TO 4.6 kgf)**

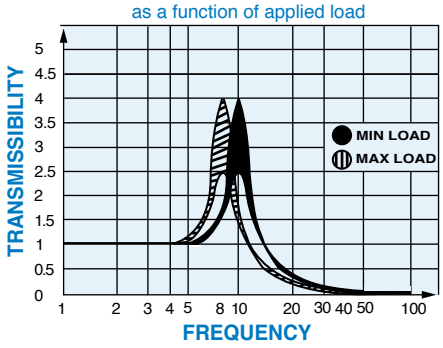


NOTE: MAX BOLT LENGTH INTO CAP IS .276 (7)



NOTE: Dimensions in ( ) are mm.

TYPICAL TRANSMISSIBILITY CURVE
as a function of applied load



DYNAMIC CHARACTERISTICS

Ratio between transverse and axial stiffness (vertical) approximately 1:2.5
Natural frequency = 7 to 11 Hz vertical and 4.5 to 7 Hz transverse depending on load, for a displacement input ± .014 (0.35).
Maximum displacement input ± .016 (0.4).
Transmissibility ≤ 4:1.
Conforms to MIL-E-5400

TEMPERATURE RANGE: -94°F to +347°F
-70°C to +175°C

LOADING LIMITATIONS

Prior to abutting snubber, load corresponding to a continuous acceleration of at least 2 G.
Loads corresponding to at least 10 G may be accepted without subsequently affecting the mount performance.
Maximum displacement of the suspended unit under limiting loads ± .197 (5).

APPLICATIONS

- AIRCRAFT
- MARINE
- MOBILE
- ROTATING MACHINES

CATALOG NUMBER DESIGNATION:

V 1 0 Z 1 9 – 7 0 1 ☐ ☐ ☐ ☐

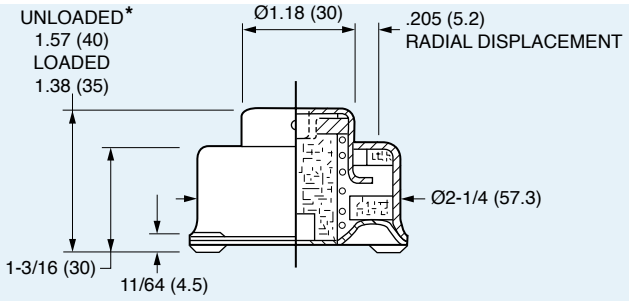
- **Load Code**
- **Base Type**
  - Square **S**
  - Oval **D**
- **Thread**
  - **A** #8-32UNC-2B
  - **C** M4 x 0.7
- **Cap Code**

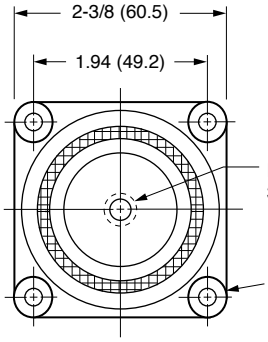
Load Code	Static Load		Weight (Approx.)	
	lb.	kgf	oz.	kg
1	.55 – 1.00	0.25 – 0.45		
2	.80 – 1.80	0.35 – 0.8		
3	1.50 – 3.40	0.7 – 1.5	1.4	0.04
4	2.20 – 5.60	1 – 2.55		
5	5.60 – 10.10	2.55 – 4.6		

Cap Code	H* - Height			
	Free		Max. Load	
	in.	mm	in.	mm
S – Short	1.50	38	1.09	27.7
L – Long	1.61	41	1.21	30.7

- **MATERIAL:** **Housing –** Aluminum Alloy, Anodized
  Eyelets – Brass, Tin Plated
  Isolators – Stainless Steel Spring and Mesh

- **CORROSIVE ENVIRONMENT • STAINLESS STEEL MESH**
- **FOR LOADS OF 1.5 TO 132 POUNDS (0.7 TO 60 kgf)**



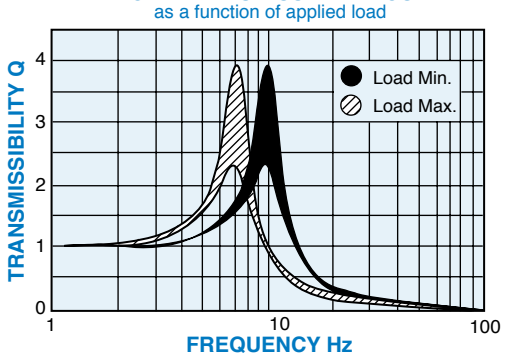


NOTE:
MAX. ATTACHING BOLT LENGTH
INTO CAPS .275 (7)

1/4-20 UNC-2B (SUFFIX A)
1/4-28 UNF-2B (SUFFIX B)
M6 (SUFFIX C)
3/8-24 UNF-2B (SUFFIX D)

NOTE: Dimensions in ( ) are mm.

TYPICAL TRANSMISSIBILITY CURVE
as a function of applied load



DYNAMIC CHARACTERISTICS

In accordance with curve 1 of spec MIL-C-172.
Ratio between transverse and axial stiffness (vertical): approximately 1:2.5.
Natural Frequency = 7 to 10 Hz vertical and 4.5 to 6 Hz transverse depending on load for a displacement input of ± .030 (0.75).
Maximum displacement input ± .031 (0.8)
Transmissibility: ≤4:1
Conforms to MIL-E-5400C

TEMPERATURE RANGE: -94°F to +347°F (-70°C to +175°C)
WEIGHT: 3.53 - 4.41 oz. (100-125 g) approx.

LOADING LIMITATIONS

Just prior to abutting snubber, load corresponding to a continuous acceleration of at least 2 G. Loads corresponding to at least 10 G may be accepted without subsequently affecting the mount performance.
Maximum displacement of the suspended unit under limiting loads ± .236 (6).

APPLICATIONS

- AIRCRAFT
- MARINE
- MOBILE
- ROTATING MACHINES

Catalog Number				Static Load	
1/4-20 UNC-2B	1/4-28 UNF-2B	M6	3/8-24 UNF-2B	lb.	kgf
V10Z22-7201A	V10Z22-7201B	V10Z22M7201C	V10Z22-7201D	1.55 – 2.75	0.7 – 1.25
V10Z22-7202A	V10Z22-7202B	V10Z22M7202C	V10Z22-7202D	2.55 – 5.00	1.15 – 2.3
V10Z22-7203A	V10Z22-7203B	V10Z22M7203C	V10Z22-7203D	4.40 – 9.90	2 – 4.5
V10Z22-7204A	V10Z22-7204B	V10Z22M7204C	V10Z22-7204D	6.20 – 12.35	2.8 – 5.6
V10Z22-7205A	V10Z22-7205B	V10Z22M7205C	V10Z22-7205D	9.90 – 19.85	4.5 – 9
V10Z22-7206A	V10Z22-7206B	V10Z22M7206C	V10Z22-7206D	15.40 – 30.85	7 – 14
V10Z22-7207A	V10Z22-7207B	V10Z22M7207C	V10Z22-7207D	17.65 – 39.70	8 – 18
V10Z22-7209A	V10Z22-7209B	V10Z22M7209C	V10Z22-7209D	35.30 – 48.50	16 – 22
V10Z22-7210A	V10Z22-7210B	V10Z22M7210C	V10Z22-7210D	44.10 – 72.75	20 – 33
–	–	–	V10Z22-7211D	72.75 – 132.30	33 – 60

*Long cap, unloaded height 1.76 (44.6) loaded height 1.61 (41),available on request.
To order, add **L** to end of Catalog Number.