

### COMPRESSION SHEAR MOUNTS

**VSCM** compression-shear cup/engine mounts provide excellent protection against vibration and shock in all directions. These mounts are designed so that the rubber element is in compression no matter the orientation of the load.

Fail-safe construction is accomplished by interlocking the metal base which contains the rubber element and the metal top cap. Models **VSCM** are made of bright zinc plated mild steel.

The models VSCM-40/60/1/2/3/4 have a diamond shape base while the models VSCM-5/6/7/8 have a square base shape.

Due to each mount's ability to isolate vertical and horizontal forces, they are used in a wide variety of industrial applications.



### Recommended for:

Industrial machinery, centrifuges, blowers, transformers, combustion engines, motors, marine equipment, industrial diesel generator sets, pumps, HVAC equipment, factory production equipment, and applications where anchoring is required.

### Features:

- ✓ Excellent vibration-dampening characteristics under vertical compression and shear loads.
- ✓ Cup-shaped top cap protects elastomer (rubber) from oils, industrial solvents and chemicals.
- ✓ Available in mild steel.
- ✓ Fail-safe construction allows mild vertical tensile forces.
- ✓ Low profile compact design.

VSCM-40/60/1/2/3/4



**Diamond Base**

VSCM-5/6/7/8

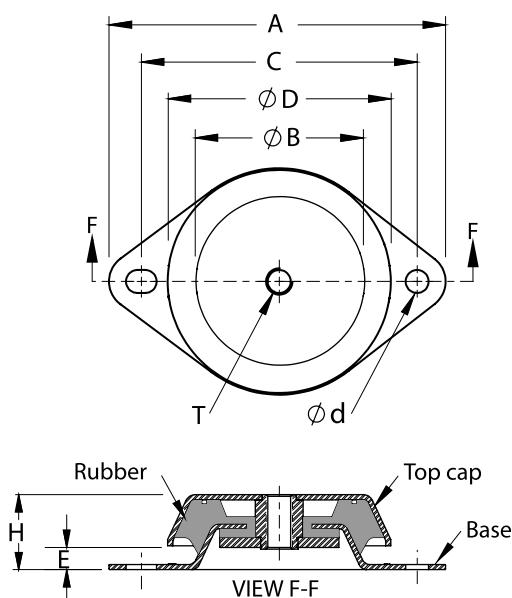


**Square Base**

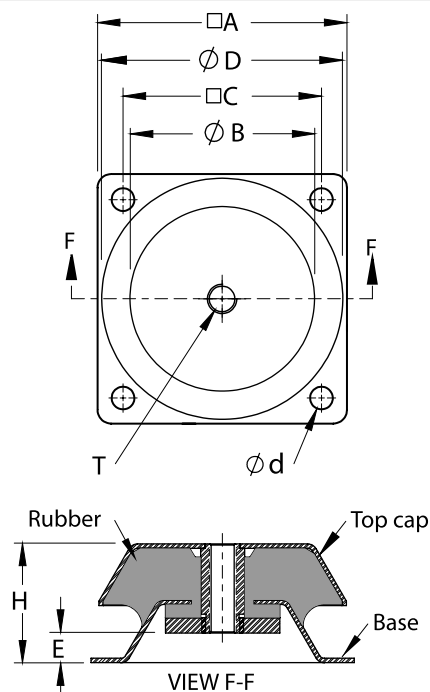
## COMPRESSION SHEAR MOUNTS

Model	Compression load (lbs)		Overall dimensions in inches (in)							
	Plated Steel	Non-Impact	Impact	Width A	B	Hole Spacing C	D	Height H	Hole Ø d	Thread T
VSCM-40		150	90	3-11/16	1-7/8	3	2-7/16	1-3/8	3/8	5/16 3/8-16
VSCM-60		300	180	3-11/16	1-7/8	3	2-7/16	1-3/8	3/8	5/16 3/8-16
VSCM-1		400	250	6	2-3/4	5	3-5/8	1-3/8	3/8	1/4 1/2-13
VSCM-2		700	450	6	2-3/4	5	3-5/8	1-3/8	3/8	1/4 1/2-13
VSCM-3		1,200	800	7-5/8	4	6-3/8	5-3/16	1-11/16	9/16	7/16 5/8-11
VSCM-4		2,100	1,500	7-5/8	4	6-3/8	5-3/16	1-11/16	9/16	7/16 5/8-11
VSCM-5		3,000	2,000	7-1/2	5-1/4	6-1/4	7-3/16	2-5/8	9/16	7/8 3/4-10
VSCM-6		6,000	4,500	7-1/2	5-1/4	6-1/4	7-3/16	2-5/8	9/16	7/8 3/4-10
VSCM-7		10,000	7,000	8-5/8	6	6-7/8	8-5/8	4-1/8	3/4	1 1-12
VSCM-8		15,000	10,000	8-5/8	6	6-7/8	8-5/8	4-1/8	3/4	1 1-12

### VSCM-40/60/1/2/3/4



### VSCM-5/6/7/8



## Notes:

1) Models VSCM are made of mild steel and nishing with bright zinc plang.

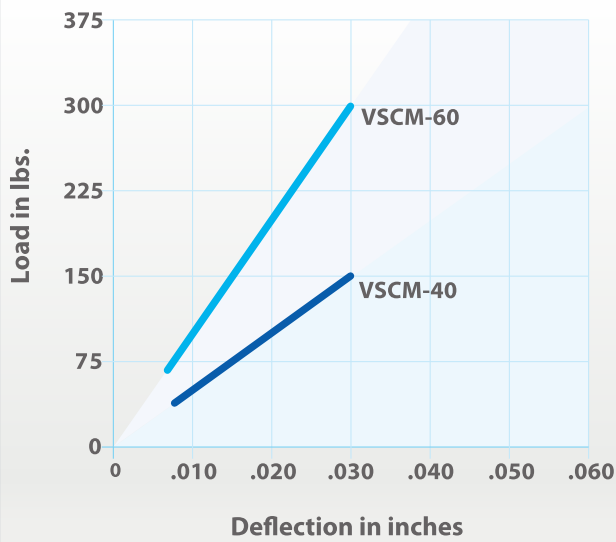
3) Shear load should not exceed 30% of compression load.

4) The compression shear mounts allow mild vercal tensile forces.

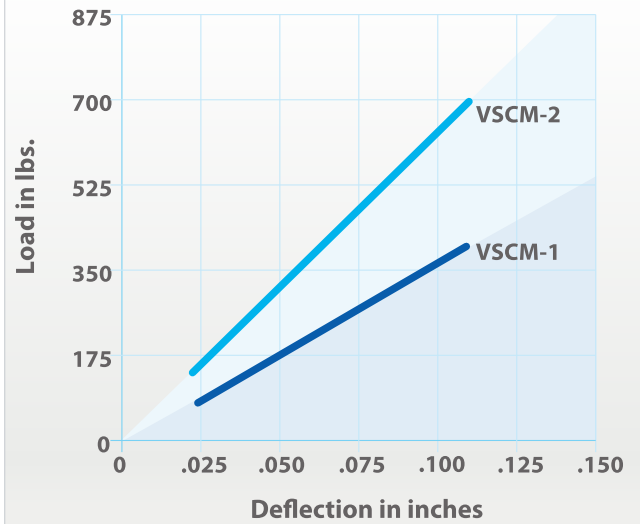
5) Oponal materials: For marine, oshore, corrosive environments and other environmental condions, mounts are made of 316L stainless steel and EPDM rubber compound. For food, pharmaceucl and hygiene crical applicaons, mounts are made of 304 stainless steel and food grade rubber compounds. Contact Vibrasystems technical department for opmal material selecon.

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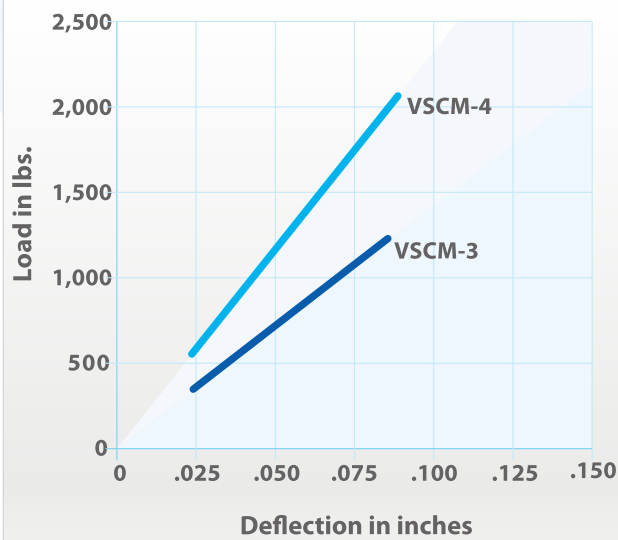
Compression Load Vs Deflection Chart



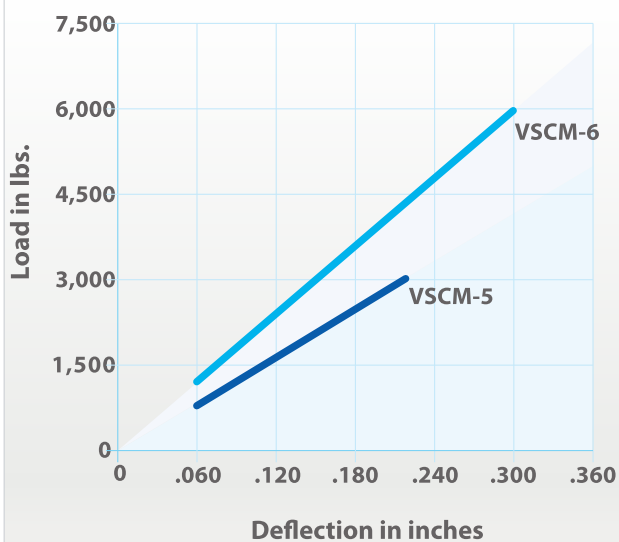
Compression Load Vs Deection Chart



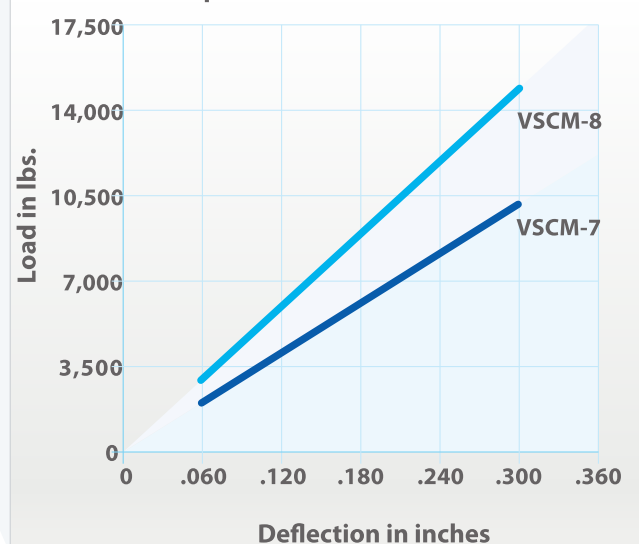
Compression Load Vs Deflection Chart



Compression Load Vs Deflection Chart



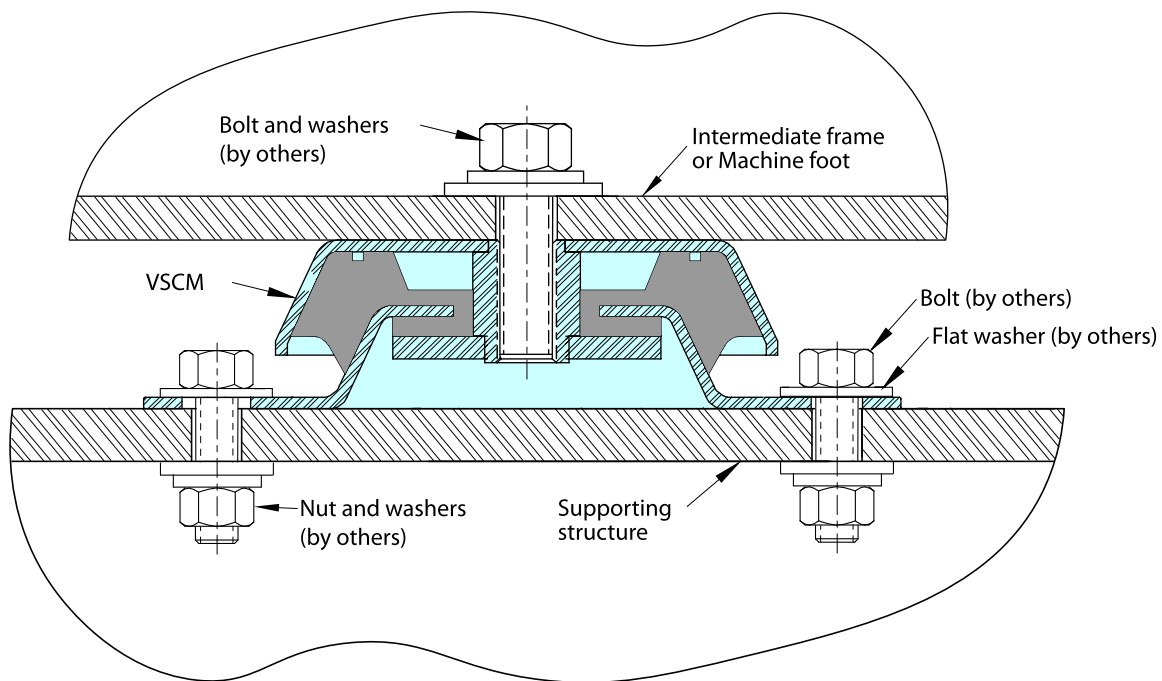
Compression Load Vs Deflection Chart



### COMPRESSION SHEAR MOUNTS

#### Recommendations for Installation:

- 1) VSCM mounts must be installed between two parallel and perfectly flat surfaces.
- 2) Do **not** use the VSCM mounts operating tilted or twisted.
- 3) Do **not** use the VSCM mounts in tensile direction.
- 4) The maximum allowed shearing load should be no more than 30% of the compression load.



Typical installation in compression