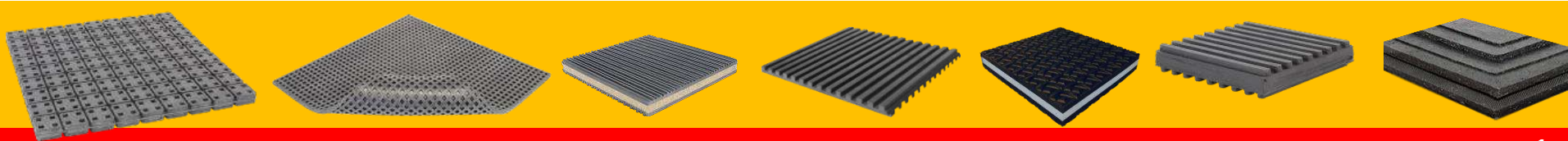
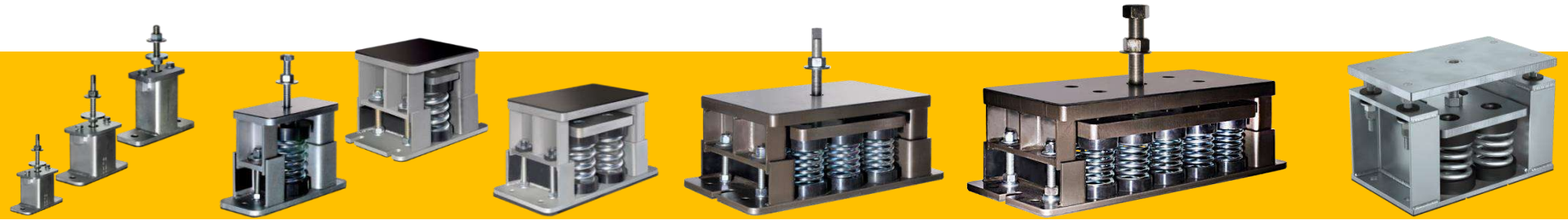


# Vv VibraSystems Inc.

The most advanced line of anti-vibration products



## Company Profile

**Established in 1979 - VibraSystems Inc.** has designed and developed the most extensive line of anti-vibration, shock and noise control products on the market.

Our lines include complete range of anti-vibration and seismic restrained products such as leveling machinery mounts, seismic restraint spring mounts, spring and elastomer hangers, variety of rubber and bearing load elastomer pads, cylindrical and center bolted mounts, custom made products, etc.

**Custom Solutions** – with our in-house engineering team, we are specializing in custom design and product development in accordance with our customers' specifications and requirements, as well as in providing technical assistance to our clients' engineering and procurement departments in the initial phases of product development.

**Quality** - VibraSystems Inc. is an ISO 9001 certified company and has a strong reputation as a manufacturer of excellent quality products supported by company's warranty.

**Delivery Time** - Well-stocked operations in Canada and USA make it possible to ship orders the next day.

**Our Mission** - Provide the highest level of satisfaction to our customers by supplying innovative, reliable and excellent quality products.

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## VSCM Engine cup mount – Square Base

VSCM/CMSS compression-shear cup/engine mounts provide excellent protection against vibration and shock. Due to each mount's ability to isolate vertical and horizontal forces, they are used in a wide variety of industrial applications.

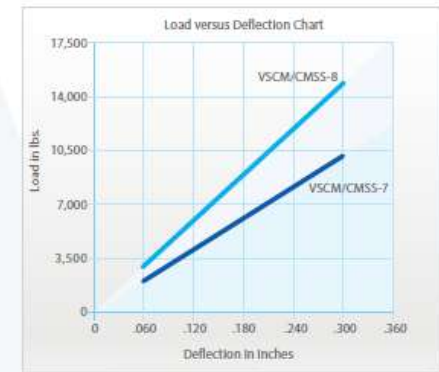
### Recommended for:

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



Model	Max load (lbs)		Mount Dimensions (in)									
	Plated Steel	Stainless Steel	Non-Impact	Impact	A	B	C	D	H	d	E	T
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	-	CMSS-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	-	CMSS-8	15,000	10,000	8-5/8	6	6-7/8	8-5/8	4-1/8	3/4	1	1-12

Note: Shear load should not exceed 30% of Compression load.



### Features:

- ✓ Excellent vibration dampening characteristics under vertical compression and shear loads.
- ✓ Cup-shaped top plate protects elastomer from oils, industrial solvents and chemicals.
- ✓ Available in mild steel and stainless steel.
- ✓ Allows mild vertical tensile forces.

### Optional Materials:

For marine, offshore, corrosive environments and other environmental conditions, mounts are made of 316 L stainless steel and EPDM rubber compound. For food, pharmaceutical and hygiene critical applications, mounts are made of 304 stainless steel and food grade rubber compounds. Contact Vibrasystems Inc technical department for optimal material selection.



## VSCM Engine cup mount – Oval Base

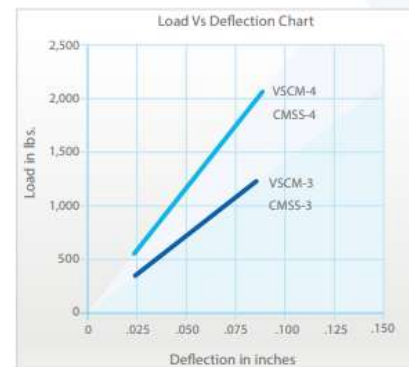
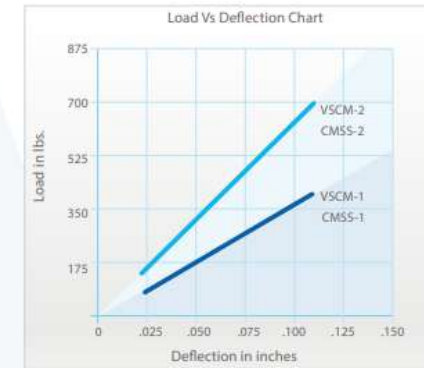
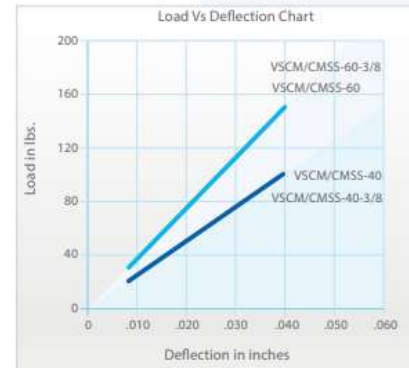
VSCM/CMSS compression-shear cup/engine mounts provide excellent protection against vibration and shock. Due to each mount's ability to isolate vertical and horizontal forces, they are used in a wide variety of industrial applications.

### Recommended for:

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



Model		Maximum load (lbs)		Mount Dimensions (in)							
Plated Steel	Stainless Steel	Non-Impact	Impact	A	B	C	D	H	d	E	T
VSCM-40	CMSS-40	100	50	3-11/16	1-7/8	3	2-7/16	1-3/8	3/8	5/16	M12-1.75
VSCM-40-3/8	CMSS-40-3/8	100	50	3-11/16	1-7/8	3	2-7/16	1-3/8	3/8	5/16	3/8-16
VSCM-60	CMSS-60	150	75	3-11/16	1-7/8	3	2-7/16	1-3/8	3/8	5/16	M12-1.75
VSCM-60-3/8	CMSS-60-3/8	150	75	3-11/16	1-7/8	3	2-7/16	1-3/8	3/8	5/16	3/8-16
VSCM-1	CMSS-1	400	250	6	2-3/4	5	3-5/8	1-3/8	3/8	1/4	1/2-13
VSCM-2	CMSS-2	700	450	6	2-3/4	5	3-5/8	1-3/8	3/8	1/4	1/2-13
VSCM-3	CMSS-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	CMSS-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



### Features:

- ✓ Excellent vibration dampening characteristics under vertical compression and shear loads.
- ✓ Cup-shaped top plate protects elastomer from oils, industrial solvents and chemicals.
- ✓ Available in mild steel and stainless steel.
- ✓ Allows mild vertical tensile forces.

### Notes:

- 1) Models VSCM are made of mild steel and finishing with bright plating.
- 2) Models CMSS are made of stainless steel.

## SML Multi-layer mount

SML/SMLS multi-layer mount is made of a rubber elastomer compound securely bonded with 4 metal plates. Both upper and lower plates have four equipment mounting holes. This design reduces deflection under vertical load with increased stability when horizontal forces are applied. The SML/SMLS mounts have a unique ability to withstand shear loads of up to a maximum of 40% of compression load in combination where vertical load applied. Two mounts can be stacked to provide additional deflection under vertical loads, which considerably reduces the maximum allowable shear force.

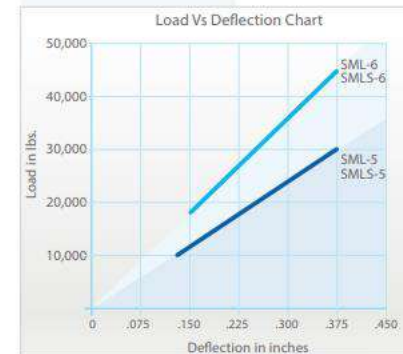
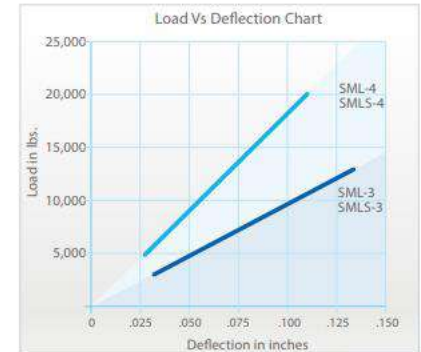
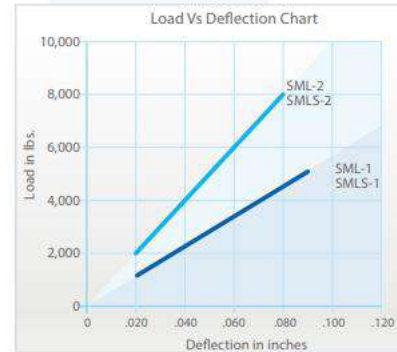
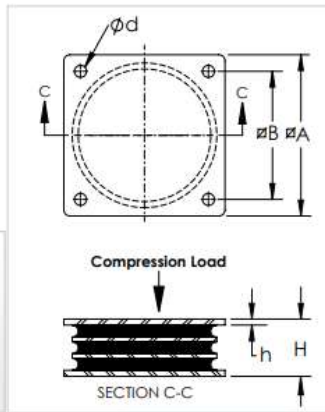


### Recommended for:

Heavy-duty industrial equipment, steel mills, vibratory screens, crushers, shakers, horizontal injection molding systems, hoppers, feeders, mining and quarry equipment, construction system supports, columns, etc.

### Features:

- ✓ Multi-layer design to reduce deflection of mount under loads.
- ✓ Mounts can withstand shear loads of up to a maximum of 40% of vertical compression load.
- ✓ Low height and low shear stiffness.
- ✓ High dynamic rubber compound and high compressive stiffness.



### Notes:

- For marine, offshore, and other corrosive environments mounts are made of 316L stainless steel and EPDM compound.
- For food, pharmaceutical, and hygiene critical applications mounts are made of 304 stainless steel and food grade rubber compounds.
- Contact Vibrasystems Inc technical department for optimal material selection.
- Custom-made mounts up to 100,000 lbs are available upon request.



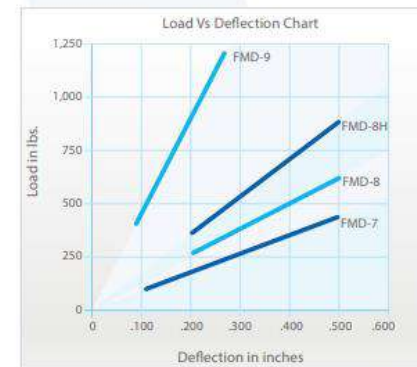
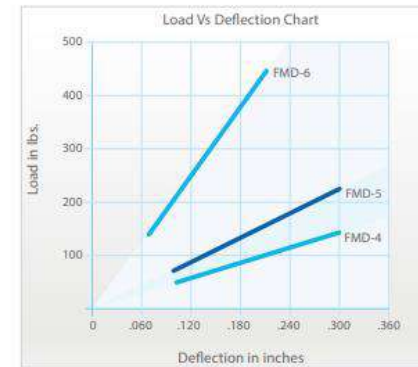
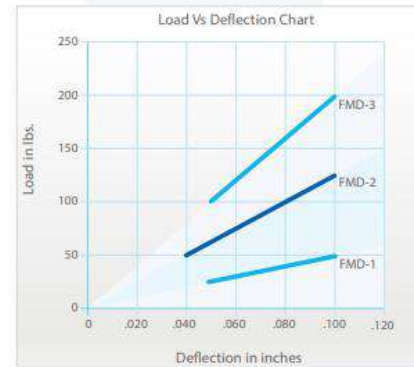
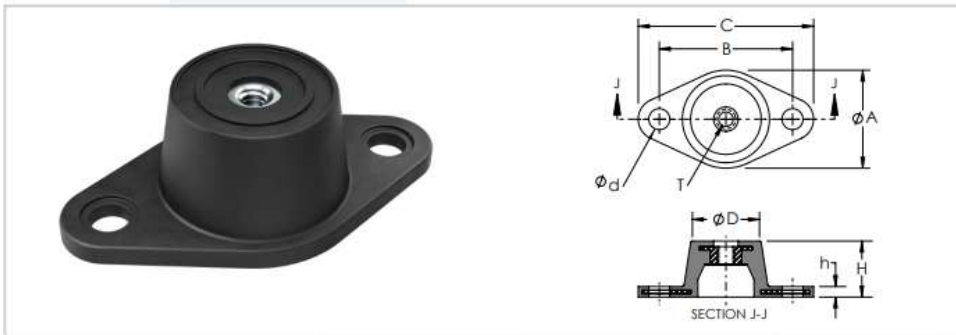
Model		Maximum Compression Load		Mount Dimensions in inches (in)				
Mild Steel	Stainless Steel	Non-Impact (lbs)	Impact (lbs)	A	B	H	h	d
SML-1	SMLS-1	5,000	3,500	5-7/8	4-5/8	2	1/4	5/8
SML-2	SMLS-2	8,000	5,500	5-7/8	4-5/8	2	1/4	5/8
SML-3	SMLS-3	13,000	9,000	8-3/4	7-3/8	3-1/4	3/8	3/4
SML-4	SMLS-4	20,000	14,000	8-3/4	7-3/8	3-1/4	3/8	3/4
SML-5	SMLS-5	30,000	20,000	12-1/4	10-5/8	4-3/4	3/8	7/8
SML-6	SMLS-6	45,000	30,000	12-1/4	10-5/8	4-3/4	3/8	7/8

## FMD Double deflection mounts

FMD compression mounts have great vertical-direction flexibility, and significantly reduce transfer of vibration to the supporting structure. These models are designed for installation on applications with continuous and intermittent loads. Elastomeric bodies of the isolators effectively prevent metal-to-metal contact.

### Recommended for:

Motors, fans, pumps, compressors, transformers, electrical, lab-testing equipment and cabinet enclosures, as well as HVAC and other industrial equipment.



Model	Maximum Load (lbs)	Mount Dimensions (inch)								Color
		A	B	C	D	H	h	d	T	
FMD-1	50	1-3/4	2-3/8	3-1/8	1-1/4	1-1/4	3/16	5/16	5/16-18	Red
FMD-2	125	1-3/4	2-3/8	3-1/8	1-1/4	1-1/4	3/16	5/16	5/16-18	Green
FMD-3	200	1-3/4	2-3/8	3-1/8	1-1/4	1-1/4	3/16	5/16	5/16-18	Black
FMD-4	150	2-3/8	3	3-7/8	1-5/8	1-3/4	1/4	5/16	3/8-16	Red
FMD-5	225	2-3/8	3	3-7/8	1-5/8	1-3/4	1/4	5/16	3/8-16	Green
FMD-6	450	2-3/8	3	3-7/8	1-5/8	1-3/4	1/4	5/16	3/8-16	Black
FMD-7	450	3-3/8	4-1/8	5-1/2	2-3/8	3	5/16	9/16	1/2-13	Red
FMD-8	600	3-3/8	4-1/8	5-1/2	2-3/8	3	5/16	9/16	1/2-13	Green
FMD-8H	900	3-3/8	4-1/8	5-1/2	2-3/8	3	5/16	9/16	1/2-13	Green
FMD-9	1,200	3-3/8	4-1/8	5-1/2	2-3/8	3	5/16	9/16	1/2-13	Black

### Features:

- ✓ Maximum dynamic loads should not exceed 70% of maximum load capacity
- ✓ FMD models 1 to 6 can be used for wall ceiling mounts installations.
- ✓ Double deflection mounts provide better isolation for low frequency equipment such as fans, etc.
- ✓ Durable and corrosion-resistant.

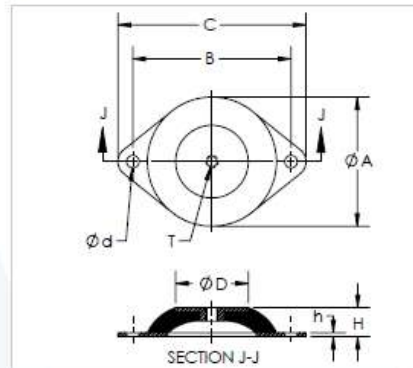


## LF Double deflection mounts

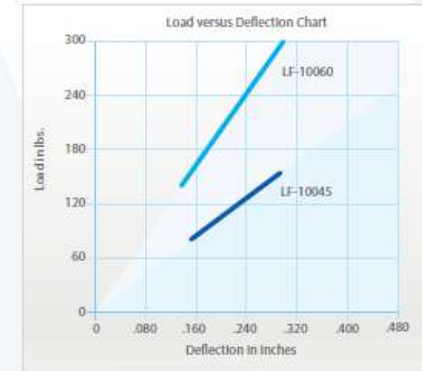
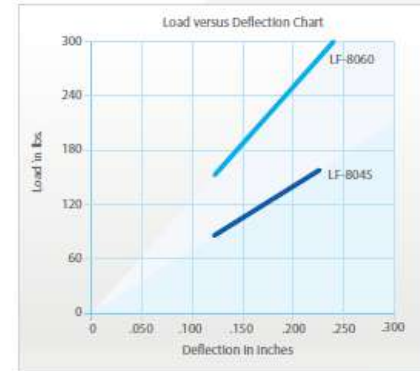
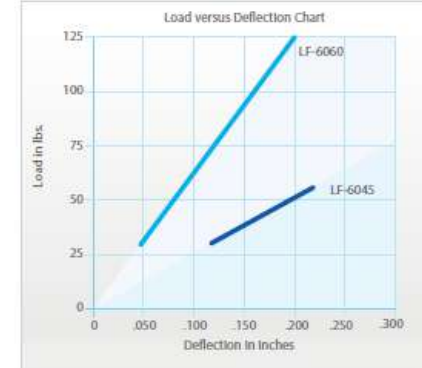
LF-Series compression mounts have great vertical-direction flexibility, and significantly reduce transfer of vibration to the supporting structure. These models are designed for installation on applications with continuous and intermittent loads. Elastomeric bodies of the Isolators effectively prevent metal-to-metal contact.

### Recommended for:

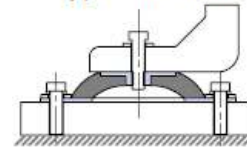
Motors, fans, pumps, compressors, transformers, electrical, lab-testing equipment and cabinet enclosures, as well as HVAC and other industrial equipment.



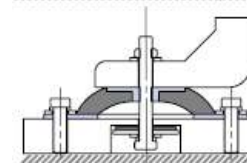
Model	Maximum Load (lbs)	Mount Dimensions (inch)									Color
		A	B	C	D	H	h	d	T		
LF 4045	16	1.80	2	2.50	.90	.70	.08	.24	1/4-20		Black
LF 4060	36	1.80	2	2.50	.90	.70	.08	.24	1/4-20		Black
LF 6045	60	2.38	3	3.50	1.20	.90	.08	.24	1/4-20		Black
LF 6060	125	2.38	3	3.50	1.20	.90	.08	.24	1/4-20		Black
LF 8045	150	3.38	3.95	4.75	1.80	.90	.10	.34	5/16-18		Black
LF 8060	300	3.38	3.95	4.75	1.80	.90	.10	.34	5/16-18		Black
LF 10045	150	4	4.90	5.83	2.25	.90	.12	.39	3/8-16		Black
LF 10060	300	4	4.90	5.83	2.25	.90	.12	.39	3/8-16		Black
LF 15060	700	5.90	7.16	8.45	3	1.40	.16	.47	1/2-13		Black
LF 20045	1100	7.90	9.45	11	4.95	1.57	.20	.56	3/4-10		Black
LF 20060	1800	7.90	9.45	11	4.95	1.57	.20	.56	3/4-10		Black



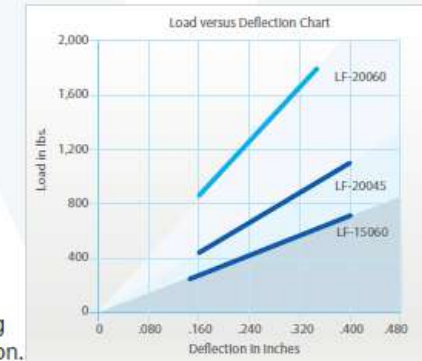
### Typical Installation:



Option 1 - Standard LF mount.



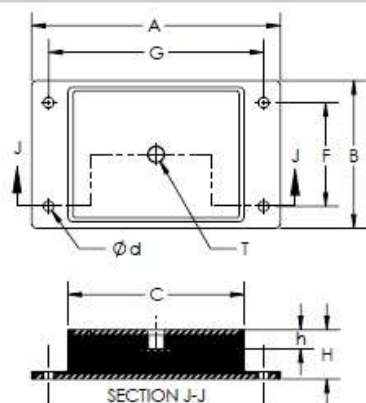
Option 2 - To prevent mounts from vertical (up) tensions loads we recommend snubbing stop washer installation.





## VTM Impact load mount

VTM & VTMS compression shear mounts are designed for heavy duty applications where shear loads could be up to 30% of maximum load in combination with vertical load.



Model		Maximum Load (lbs)		Mount Dimensions (in)								
Mild Steel	Stainless Steel	Non-Impact	Impact	A	B	C	F	G	H	h	d	T
VTM-2	VTMS-2	2,000	1,200	8	4	4	3	6	2	1	3/8	1/2-13
VTM-3	VTMS-3	3,000	1,800	8	4	4	3	6	2	1	3/8	1/2-13
VTM-5	VTMS-5	5,000	3,000	8	4	4	3	6	2	1	3/8	1/2-13
VTM-10	VTMS-10	8,000	4,000	12	7-1/4	8-1/2	5	10-3/8	2-3/8	1-1/4	9/16	3/4-10
VTM-15	VTMS-15	15,000	9,000	12	7-1/4	8-1/2	5	10-3/8	2-3/8	1-1/4	9/16	3/4-10

### Optional Materials:

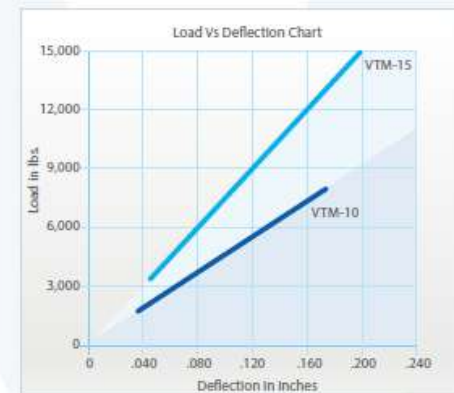
- For marine, offshore, and other corrosive environments, mounts are made of 316L stainless steel and EPDM rubber compound.
- For food, pharmaceutical, and hygiene critical applications, mounts are made of 304 stainless steel and food grade rubber compounds.
- Contact Vibrasystems Inc. technical department for optimal material selection.

### Features:

- ✓ Low installation height provides better stability under lateral loads.
- ✓ Effectively isolates machine vibration and shock loads from transferring to the floor.
- ✓ Available in stainless steel for marine, food/pharmaceutical applications, and other corrosive environments.

### Recommended for:

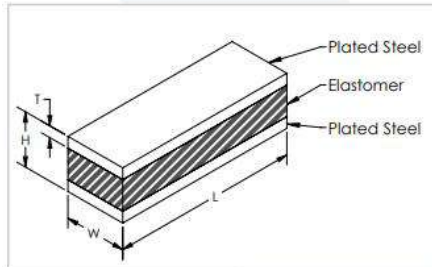
Presses, blowers, pumps, engines, vibrators, rolling mills, crushers, transformers, injection molding machines, surface grinders, and similar equipment.



## SM Sandwich mounts

## FSM Channel mounts

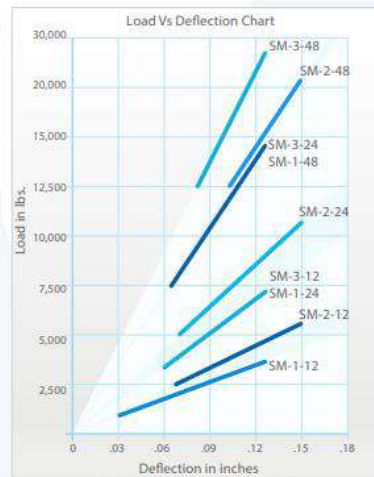
SM mount allows the top and bottom plates to be drilled anywhere along their length. The plated plates are bonded together with oil-resistant elastomer.



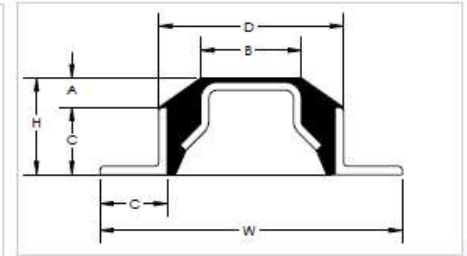
### Features:

- ✓ Effectively isolates against horizontal, vertical, and shock forces.
- ✓ Superior ability to withstand shear load with low horizontal deflection.
- ✓ Low installation height.

MODEL	Max. Vertical Load (lbs)	Mount Dimensions (in)				Spring Rate (lbs / in)
		L	W	H	T	
SM-1-12	3,600	12	2	1-3/4	5/16	28,800
SM-1-24	7,200	24	2	1-3/4	5/16	57,600
SM-1-48	14,400	48	2	1-3/4	5/16	115,200
SM-2-12	5,400	12	3	2	3/8	36,000
SM-2-24	10,800	24	3	2	3/8	72,000
SM-2-48	21,600	48	3	2	3/8	144,000
SM-3-12	7,200	12	4	2-5/16	1/2	57,600
SM-3-24	14,400	24	4	2-5/16	1/2	115,200
SM-3-48	28,800	48	4	2-5/16	1/2	230,400



FSM is a versatile anti-vibration channel mount. This configuration allows the top and bottom plates to be drilled anywhere along their length. The plates are bonded together with oil-resistant neoprene elastomer.



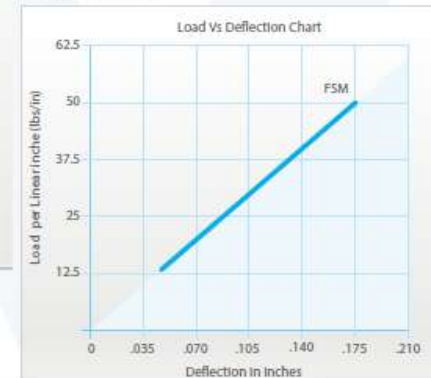
Model	Length (in)	W (in)	H (in)	A (in)	B (in)	C (in)	D (in)	Load lbs per Linear-inch
FSM - 12	12	4-1/2	1-5/16	5/16	1-1/2	1	2-3/4	50
FSM - 24	24	4-1/2	1-5/16	5/16	1-1/2	1	2-3/4	50
FSM - 48	48	4-1/2	1-5/16	5/16	1-1/2	1	2-3/4	50

### Features:

- ✓ Superior ability to withstand shear load with low horizontal deflection.
- ✓ Neoprene on top of the channel provides a firm grip for mounting and avoids metal to metal contact.
- ✓ Effectively isolates against horizontal, vertical, and shock forces.
- ✓ Low installation height.

### Custom Options:

- Material: Aluminum, or stainless steel.
- Other elastomer materials/compounds available on request.
- Available in custom cut length of 2" increments.



### Custom Options:

- Material: Aluminum, or stainless steel.
- Other elastomer materials/compounds available on request.
- Available in any length in 2" increments and in custom width and height with pre drilled and taped hole.
- Bars can be welded to steel bases of any design upon request.

## CRS/CSS Compression mounts

CRS/CSS free-standing mounts are designed to isolate transfer vibrations from machines to the base/floor and reduce noise. CRS/CSS has a metal cup, which can be made of mild steel or stainless steel, and an elastomer rubber insert. The cup shape of the mount protects the rubber insert from contact with grease, industrial oil, etc. Several models available:



CRS: mild steel plated cup and insert rubber.

CSS: stainless steel cup and insert rubber.

CRSL: CRS with leveling hardware.

CSSL: CSS with leveling hardware.

CRSLB: CRS with leveling hardware and a metal base.

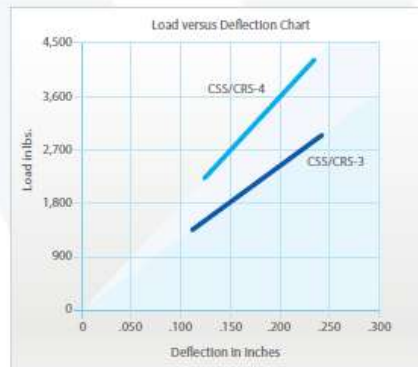
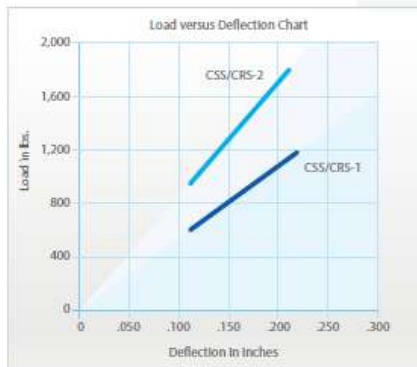
CSSLB: CSS with leveling hardware and a metal base.

### Recommended for:

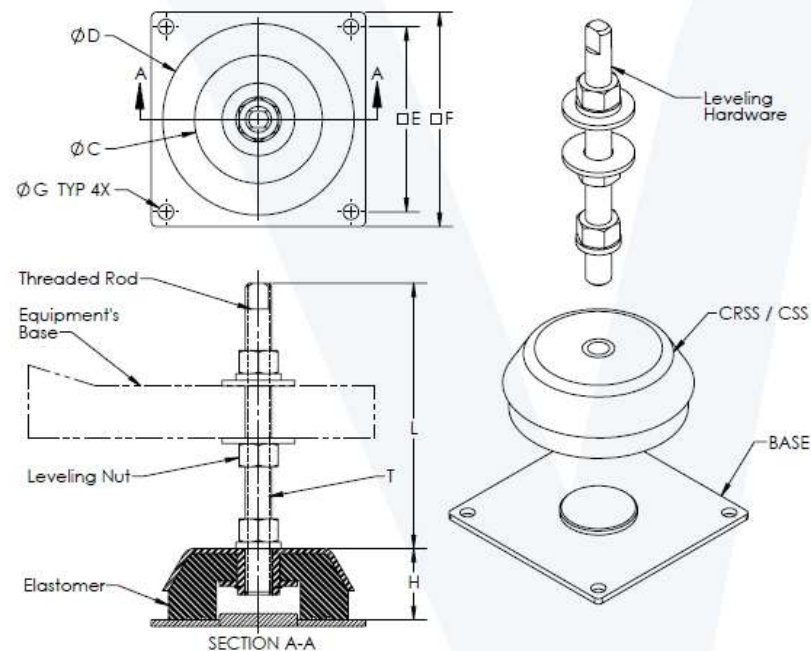
Transformers, compressors, general machine shop equipment, presses, conveyors, platforms, and other industrial applications where lateral forces are up to 15% of vertical maximum load.

### Features:

- ✓ Circular elastomer insert with grooved base provides excellent grip with the floor.
- ✓ Rubber insert available in Neoprene and EPDM.
- ✓ User friendly, easy to install.
- ✓ Good oil and grease resistance.
- ✓ Cup available in plated mild steels, 304 stainless steel, and 316L stainless steel.



Model	Max load (lbs)		Mount Dimensions (in)								
	Plated Steel	Stainless Steel	Non-Impact	Impact	C	D	E	F	G	L	H
CRS-1	CSS-1	1,200	800	2-1/2	3-11/16	-	-	-	-	1-3/8	1/2-13
CRS-2	CSS-2	1,800	1,200	2-1/2	3-11/16	-	-	-	-	1-3/8	1/2-13
CRS-3	CSS-3	2,800	1,800	3-3/4	5-3/16	-	-	-	-	1-3/4	5/8-11
CRS-4	CSS-4	4,200	2,800	3-3/4	5-3/16	-	-	-	-	1-3/4	5/8-11
CRSL-1	CSSL-1	1,200	800	2-1/2	3-11/16	-	-	-	5	1-3/8	1/2-13
CRSL-2	CSSL-2	1,800	1,200	2-1/2	3-11/16	-	-	-	5	1-3/8	1/2-13
CRSL-3	CSSL-3	2,800	1,800	3-3/4	5-3/16	-	-	-	6-3/4	1-3/4	5/8-11
CRSL-4	CSSL-4	4,200	2,800	3-3/4	5-3/16	-	-	-	6-3/4	1-3/4	5/8-11
CRSLB-1	CSSLB-1	1,200	800	2-1/2	3-11/16	4-11/16	5-1/2	7/16	5	1-3/8	1/2-13
CRSLB-2	CSSLB-2	1,800	1,200	2-1/2	3-11/16	4-11/16	5-1/2	7/16	5	1-3/8	1/2-13
CRSLB-3	CSSLB-3	2,800	1,800	3-3/4	5-3/16	4-11/16	5-1/2	7/16	6-3/4	1-3/4	5/8-11
CRSLB-4	CSSLB-4	4,200	2,800	3-3/4	5-3/16	4-11/16	5-1/2	7/16	6-3/4	1-3/4	5/8-11





## NVS Compression leveling mount

### NVS Series

NVS mounts are specifically designed for compression loads applications, where leveling is required. Precision fitted neoprene inserts provide maximum dampening of shock and prevents transfer of vibration from equipment to support structures. Shear load should not exceed 10% of the maximum vertical load.

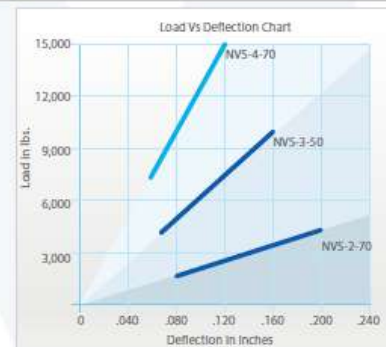
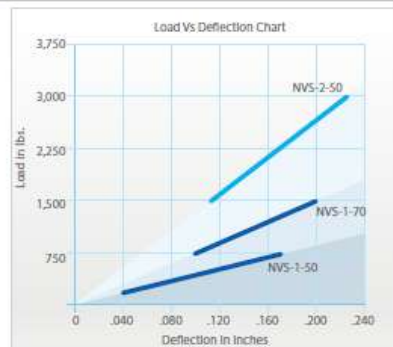
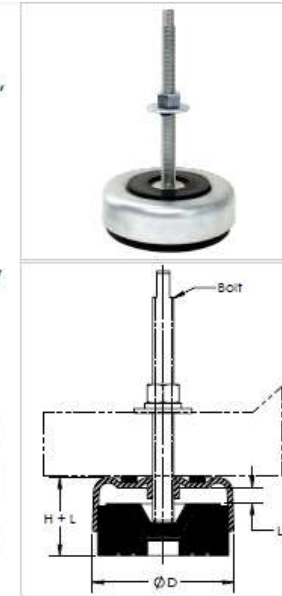
### Recommended for:

NVS mounts are used for lathe and milling machines, punch presses, heavy duty printing machinery, shears, brakes, injection molding machines, and grinders.

Model	Non-Impact Machinery (lbs)	Impact Machinery (lbs)	D	Dimensions In Inches		
				H	Bolt Size	L (Level Adj.)
NVS-1-50	750	500	3-5/16	1-1/2	1/2-13 UNC X 6	3/8
NVS-1-70	1,500	1,000	3-5/16	1-1/2	1/2-13 UNC X 6	3/8
NVS-2-50	3,000	2,000	5-5/8	1-7/8	5/8-11 UNC X 8	1/2
NVS-2-70	4,500	3,000	5-5/8	1-7/8	5/8-11 UNC X 8	1/2
NVS-3-50	10,000	6,700	9	2-1/2	1-14 UNF X 8	5/8
NVS-4-70	15,000	10,000	9	2-1/2	1-14 UNF X 8	5/8

### Features:

- ✓ Built-in leveling device enables quick, easy and precise leveling of machinery.
- ✓ Effectively dampens vertical and horizontal forces.
- ✓ Controls vibration and noise.
- ✓ Circular grooves on elastomer insert's base firmly anchor machine to the floor, preventing creeping or walking.
- ✓ Resistant to most oils and cleaning compounds.
- ✓ Economical, durable and saves on installation cost.





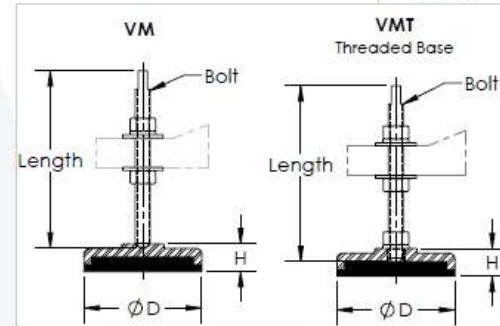
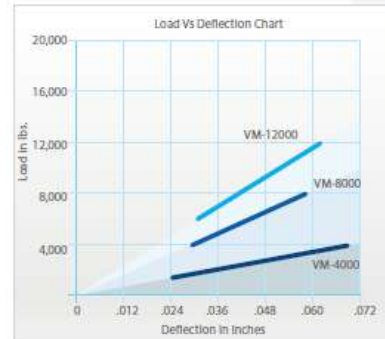
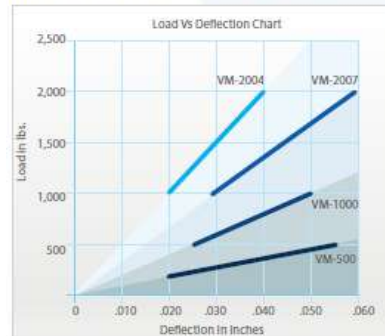
## VM Compression leveling mount

### LEVELING MOUNTS

VM-VMT mounts are ideal for a wide range of installations where simple and precise leveling is required. Suction cell's elastomer pad is tightly fit in cast iron cavity and provides firm grip to the floor. VM mount is self-aligning without sacrifice to stability and compensates for slightly uneven floor. Load range of up to 12,000 lbs with leveling feature makes this mount very popular for numerous industrial applications.

#### Recommended for:

VM/VMT mounts can be installed under a wide range of industrial machinery and equipment, where simple and precise leveling is required.



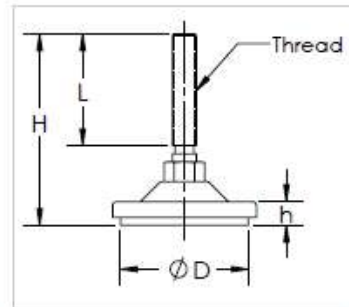
Models		Non-Impact Machinery (lbs)	Impact Machinery (lbs)	Dimensions In Inches		
				D	H	Bolt Size
VM-500	VMT-500	500	350	4	1	1/2-13 UNC X 6
VM-1000	VMT-1000	1,000	700	4	1	1/2-13 UNC X 6
VM-2004	VMT-2004	2,000	1,400	4	1	5/8-11 UNC X 8
VM-2007	VMT-2007	2,000	1,400	7	1-1/4	3/4-16 UNF X 6
VM-4000	VMT-4000	4,000	2,800	7	1-1/4	3/4-16 UNF X 6
VM-8000	VMT-8000	8,000	5,600	7	1-1/4	3/4-16 UNF X 6
VM-12075	VMT-12075	12,000	8,500	7	1-1/4	3/4-16 UNF X 6
VM-12100	VMT-12100	12,000	8,500	7	1-1/4	1-14 UNF X 8

#### Features:

- ✓ Controls vibration and noise.
- ✓ Resistant to most oils and cleaning compounds.
- ✓ Saves on installation costs; no anchoring required.
- ✓ Ideal for placement under equipment with a vertical load only

## VL Light duty leveling mounts

VL leveling feet mounts are ideal for a wide range of light duty applications where simple, precise leveling is required.



### Features:

- ✓ Diamond cell neoprene base provides firm grip/footing with floor.
- ✓ Model VL 3 has 2 anchor holes in the base of the mount.
- ✓ Fast simple and precise leveling.
- ✓ Zinc plated for better corrosion resistance.
- ✓ Mount design compensates when floor is slightly uneven.

### Optional Material choices for large quantities orders:

- For food, pharmaceutical, chemical and medical critical applications, mounts are made of 304 stainless steel and food grade rubber compounds.
- Contact VibraSystems Inc. technical department for optimal material selection.

Model	Max Load (lbs)		Mount Dimensions (inch)				
	Non-Impact		D	H	Thread	L	h
VL-1-40	200		2-3/16	3-1/8	3/8-16	2	5/16
VL-1-60	400		2-3/16	3-1/8	3/8-16	2	5/16
VL-2-40	500		3-1/4	4-1/2	1/2-13	3	1/2
VL-2-60	1,000		3-1/4	4-1/2	1/2-13	3	1/2
VL-3-40	1,250		4-3/8	7	5/8-11	5-1/8	5/8
VL-3-60	2,500		4-3/8	7	5/8-11	5-1/8	5/8

Note: All models under maximum load compress - 1/16" deflection.

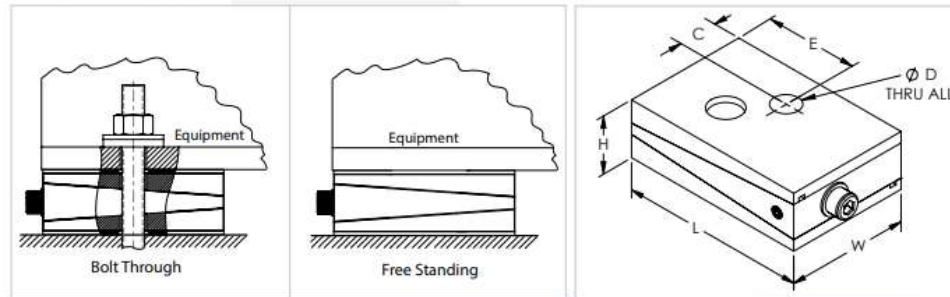
## VWH Wedge mount

**VWH- Series** are designed for precise leveling of heavy industrial machinery, equipment and structures. Accurate leveling is achieved by three precision ground wedges. Wedges are guided and provide stable, accurate leveling under heavy load. Three machined wedges are held together by a horizontal adjusting bolt. A lock screw secures the mount in the leveled position. Keys in the sliding surfaces of the wedges ensure rigid mount construction. A special opening allows for bolting of the machine to the floor.



### Recommended for:

VWH- Series are used on machines subject to high thrust that require a permanent connection to the machine bed, such as injection moulding machines, slotting machines, extrusion machines, CNC lathes, test equipment, grinding machines, rolling mills, etc.



### Features:

- ✓ Precision leveling.
- ✓ Optimal neoprene top and bottom pads.
- ✓ Leveling range  $\pm .100''$  and  $\pm .150''$ .
- ✓ Mounts have a hole through for anchoring machine to the floor in leveled position.

Model	Maximum Load (lbs)	Mount Dimensions in inches						Leveling H (in)
		L	W	H	C	E	D	
VWH-5	3,000	4 ± .125	2.625 ± .125	1.313	.813	2 ± .062	.500 - .625	H± .100
VWH-5R	3,000	4 ± .125	2.625 ± .125	1.500	.813	2 ± .062	.500 - .625	H± .100
VWH-15	8,000	6 ± .125	4 ± .125	1.875	1.25	3 ± .062	.750 - .875	H± .150
VWH-15R	8,000	6 ± .125	4 ± .125	2.275	1.25	3 ± .062	.750 - .875	H± .150

### Notes:

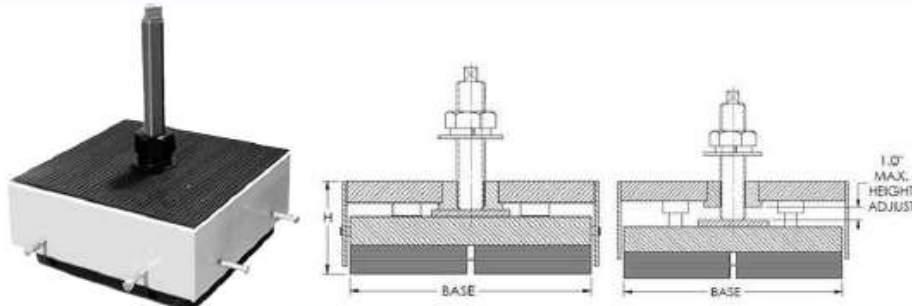
- 1) VWH-5 can be used with standard M12 connecting bolt or shoulder bolt.
- 2) VWH-15 can be used with standard M18 connecting bolt or shoulder bolt.
- 3) Models VWH-5R & VWH-15R come with top and bottom glued rubber parts.

## VHDL Heavy duty mounts

VHDL leveling bolt mounts are designed for heavy duty applications with loads range of up to 300,000lbs. per mount. VHDL mounts provide precise leveling and stability as well as superb protection from impact shock forces.

VHDL mounts protect the floor and reduce potential structural damage to the building normally associated with hard mounting.

When its required to reduce the deflection of the mount under vertical load/shock force, mounts are made with multiple layer elastomer technology.



Model	Max Load (lbs)		Mount Dimensions (inch)			
	Non-Impact	Impact	Level Adj.	Bolt Size	Base	H
VHDL-1	50,000	30,000	1	2-12x18	17x17	7-3/4
VHDL-2	70,000	45,000	1	2-12x18	17x17	7-3/4
VHDL-3	85,000	55,000	1	2-12x18	22x22	7-3/4
VHDL-4	125,000	80,000	1	2-12x18	22x22	7-3/4
VHDL-5	155,000	95,000	1	3-12x18	30x30	8-1/2
VHDL-6	215,000	140,000	1	3-12x18	30x30	8-1/2
VHDL-7	225,000	145,000	1	3-12x18	36x36	10
VHDL-8	300,000	200,000	1	3-12x18	36x36	10

### Features:

- ✓ Mount's 4 steel guide pins provide stability during operation and control lateral movement.
- ✓ Controls vibration, shock, and noise.
- ✓ Built in leveling device enables quick, easy, and precise leveling of machinery.
- ✓ Elastomer is bonded to bearing plate and could be made of any custom rubber compound and with thickness of up to 6".

### Recommended for:

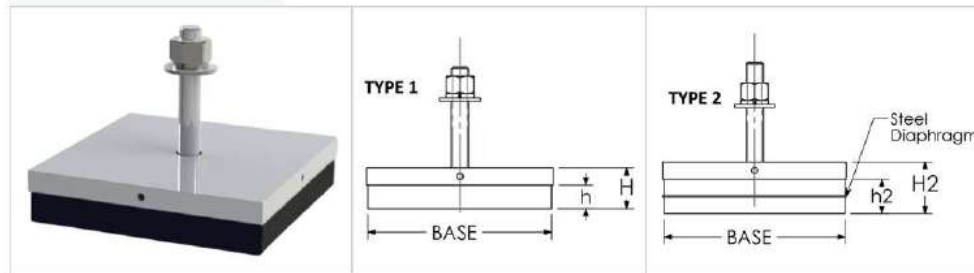
Presses, hammers, crushers, rolling mill equipment, heavy duty vibrators, forge presses, supporting platforms.



## VHD Heavy duty mounts

VHD mounts are designed for heavy duty applications with load range of up to 245,000lbs. This mounts are extremely stable and provide excellent protection from vertical and impact shock forces.

When its required to reduce the deflection of the mount under vertical load/shock force, mounts are made with multiple layer elastomer technology.



### Recommended for:

Presses, hammers, crushers, rolling mill equipment, heavy vibrators, forges, structural isolators and other heavy load applications.

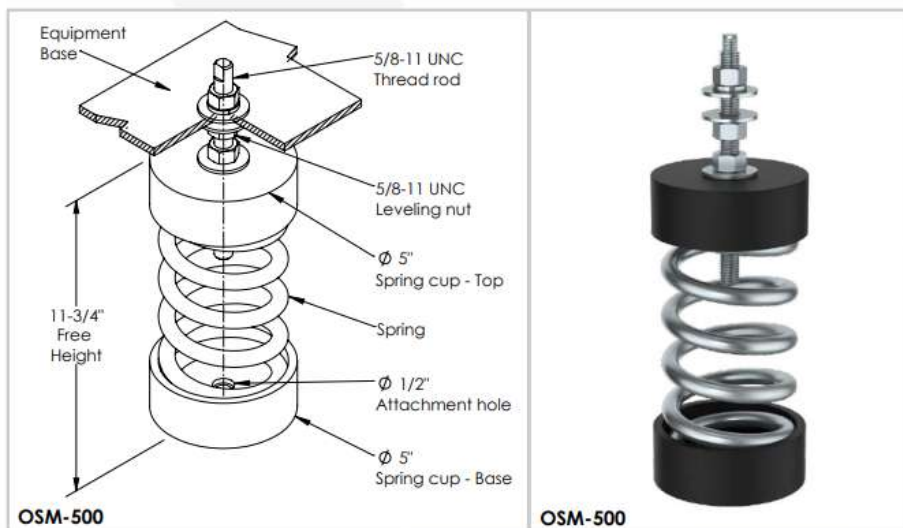
Model	Maximun Load (Lbs)		Bolt Size	Base	Mount Dimensions (in)			
	Non-impact	Impact			Type 1 H	h	Type 2 H2	h2
VHD-1212	25000	17,500	1.5-12x18	12x12	3.5	2	5	3.5
VHD-1216	38000	23,500	1.5-12x18	12x16	4.5	2.5	5.5	4
VHD-1620	64,000	44,500	2.0-12x18	16x20	5	3	6.5	4.5
VHD-2020	80,000	56,000	2.0-12x18	20x20	5	3	6.5	4.5
VHD-2024	91,500	64,000	1.5-12 x 10	20 x 24	4	2	5	3.5
VHD-2424	115,500	80,500	1.5-12 x 10	24 x 24	5	3	6.5	4.5
VHD-2828	151,000	105,500	1.5-12 x 10	28 x 28	5	3	6.5	4.5
VHD-3232	190,000	133,000	2.0-12 x 10	32 x 32	4	2	6	4
VHD-3636	245,000	172,500	2.0-12 x 10	36 x 36	5	3	8	6

## OSM-500 Open spring mount

OSM-500 open spring mounts are designed to provide efficient isolation from critical vibrations and efficiently protect structures from transferring vibrations. Top spring cup has a leveling nut for precise adjustments in height. Antivibration rubber cups reduce the transfer of vibrations and noise. Springs are colour coded for an easy identification.

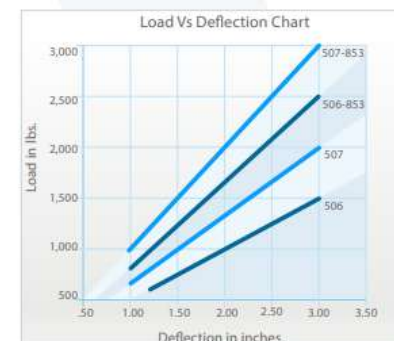
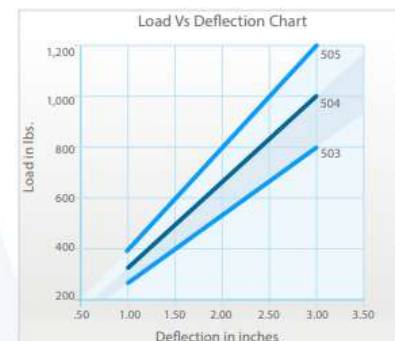
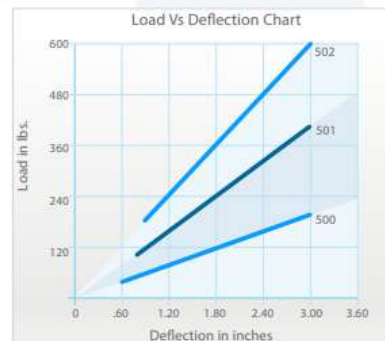
### Recommended for:

HVAC equipment, fan air circulation systems, compressors, pumps, chillers, AC units, cooling towers, inertia bases, etc.



Model	Rated Load (lbs)	Spring Rate (lbs/in)	Spring Color
OSM-500	200	66.7	Black
OSM-501	400	133.3	Blue
OSM-502	600	200	Yellow
OSM-503	800	266.7	Orange
OSM-504	1,000	333.3	Red

Model	Rated Load (lbs)	Spring Rate (lbs/in)	Spring Color
OSM-505	1,200	400	White
OSM-506	1,500	500	Brown
OSM-507	2,000	666.7	Green
OSM-506-853	2,500	833.3	Brown/Grey
OSM-507-853	3,000	1,000	Green/Grey



### Features:

- ✓ All springs at rated loads have 50% additional travel to solid load.
- ✓ Leveling nut for easy height adjustment.
- ✓ Safety Factor - Springs will accommodate 50% extra load from rated load to solid load.
- ✓ Spring cup base has an attachment hole for anchoring.
- ✓ Elastomer spring cups provide better vibration isolation, load distribution, and noise reduction.
- ✓ Recommended load range: from 50% of rated load to rated load.
- ✓ Springs are color coded and easily replaceable.
- ✓ Springs have a minimum ratio of 0.8 for the diameter divided by the deflected spring height. (\*\*)

### Notes:

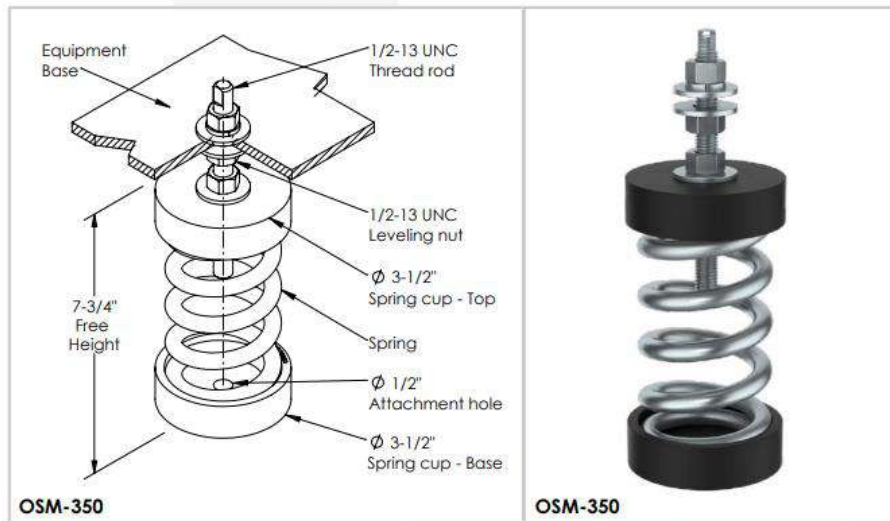
- a) Do not use open spring mounts for external applications without independent restraints.
- b) Open spring mounts are not designed to accommodate angular misalignments, and must not be used for tensile or shear loading.
- c) Rated load is the maximum load recommended.
- d) 500 Springs: 4.4" Outside diameter x 8.5" Free Length. (\*)
- e) 853 Springs: 3" Outside diameter x 8.5" Free Length.

## OSM-350 Open spring mount

OSM-350 open spring mounts are designed to provide efficient isolation from critical vibrations and efficiently protect structures from transferring vibrations. Top spring cup has a leveling nut for precise adjustments in height. Antivibration rubber cups reduce the transfer of vibrations and noise. Springs are colour coded for an easy identification.

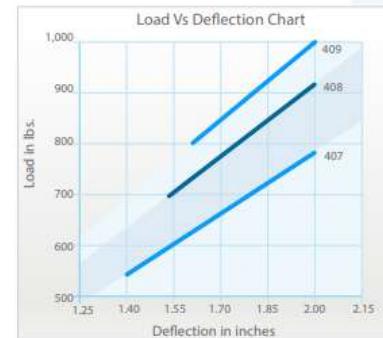
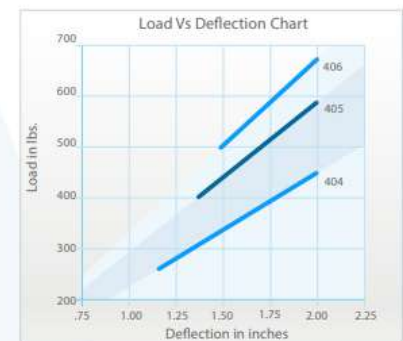
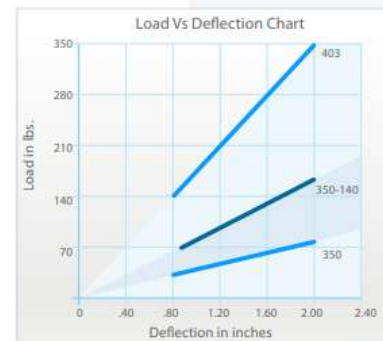
### Recommended for:

HVAC equipment, fan air circulation systems, compressors, pumps, chillers, AC units, cooling towers, inertia bases, etc.



Model	Rated Load (lbs)	Spring Rate (lbs/in)	Spring Color
OSM-350	80	40	Red
OSM-350-140	160	80	Red/Black
OSM-403	348	174	Black
OSM-404	453	226	Blue
OSM-405	590	295	Red
OSM-406	676	338	Orange
OSM-407	787	393	Green

Model	Rated Load (lbs)	Spring Rate (lbs/in)	Spring Color
OSM-408	918	459	White
OSM-409	1,000	500	Brown
OSM-410	1,250	625	White
OSM-407-150	1,437	718	Green/Grey
OSM-409-150	1,650	825	Brown/Grey
OSM-410-150	1,900	950	White/Grey



### Features:

- ✓ All springs at rated loads have 50% additional travel to solid load.
- ✓ Leveling nut for easy height adjustment.
- ✓ Safety Factor - Springs will accommodate 50% extra load from rated load to solid load.
- ✓ Spring cup base has an attachment hole for anchoring.
- ✓ Elastomer spring cups provide better vibration isolation, load distribution, and noise reduction.
- ✓ Recommended load range: from 50% of rated load to rated load.
- ✓ Springs are color coded and easily replaceable.
- ✓ Springs have a minimum ratio of 0.8 for the diameter divided by the deflected spring height. (\*)



## SMSR-A Vertical & horizontal restrained spring mounts

SMSR-AA/AF/AT mounts are designed to provide efficient isolation from critical vibrations and all-directional restraint from vertical and horizontal forces, as well as from forces due to seismic activities and high wind loads. Vibrasystems isolators are tested and certified to ASHRAE 171-2017 for wind and seismic load resistance.

There are three available configurations:

SMSR-AA: top with angle, and inside leveling adjustment feature

SMSR-AF: flat top, and inside leveling adjustment feature

SMSR-AT: bolt top with leveling adjustment feature

### Recommended for:

HVAC equipment, fan air circulation systems, compressors, pumps, chillers, AC, cooling towers, inertia bases, etc.



SMSR-AA

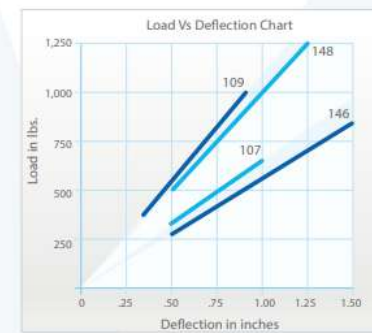
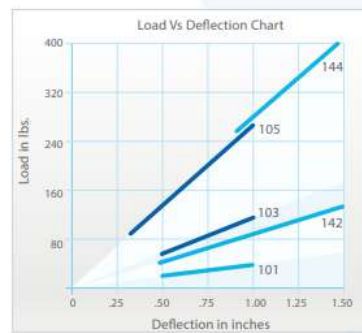
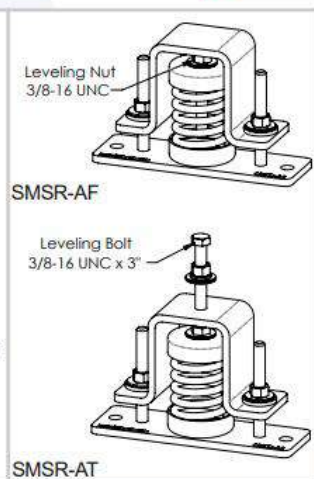
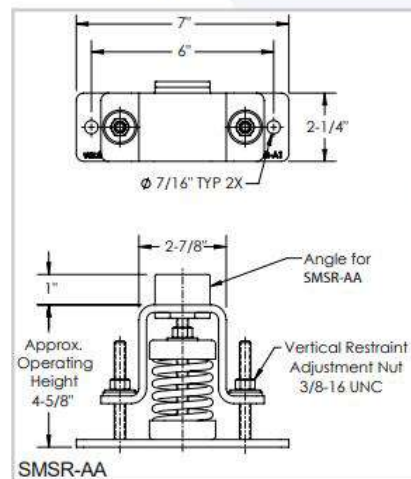


SMSR-AF



SMSR-AT

Model			Rated Load (lbs)	Deflection at Rated Load (in)	Spring Rate (lbs/in)	Max. Vertical G Rating	Max. Horiz. G Rating	Spring Color
SMSR-AA-101	SMSR-AF-101	SMSR-AT-101	50	1	50	97.2	5	Black
SMSR-AA-103	SMSR-AF-103	SMSR-AT-103	120	1	120	40.5	1.9	Blue
SMSR-AA-142	SMSR-AF-142	SMSR-AT-142	135	1.50	90	36	1.7	Blue
SMSR-AA-105	SMSR-AF-105	SMSR-AT-105	270	1	270	18	1	Brown
SMSR-AA-144	SMSR-AF-144	SMSR-AT-144	400	1.50	266	12.1	0.5	Brown
SMSR-AA-107	SMSR-AF-107	SMSR-AT-107	650	1	650	7.5	0.4	Yellow
SMSR-AA-146	SMSR-AF-146	SMSR-AT-146	850	1.50	566	5.7	0.3	Yellow
SMSR-AA-109	SMSR-AF-109	SMSR-AT-109	1,000	.84	1,190	4.9	0.2	Green
SMSR-AA-148	SMSR-AF-148	SMSR-AT-148	1,250	1.25	1,000	3.9	0.1	Green



### Features:

- ✓ All springs at rated loads have 50% additional travel to solid load.
- ✓ All mounts' elements are safe at solid load.
- ✓ Safety Factor - Springs will accommodate 50% extra load from rated load to solid load.
- ✓ Recommended load range: from 50% of rated load to rated load.
- ✓ Zinc plated housing provides good corrosion resistance.
- ✓ Rugged welded steel housing designed to withstand seismic and high wind forces.
- ✓ Springs are color-coded and baked enamel painted.
- ✓ Certified ASHRAE 171-2017.

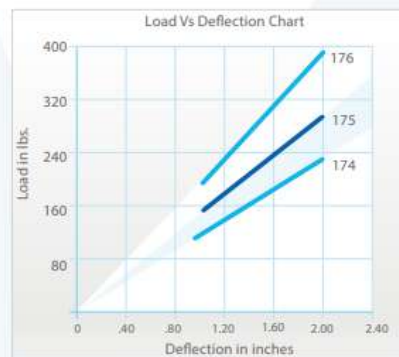
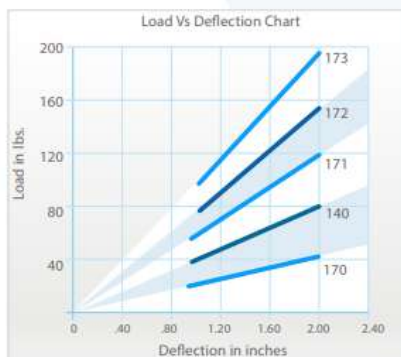
### Notes:

- a) Vibrasystems isolators are tested and certified to ASHRAE 171-2017 for wind and seismic load resistance. Wind and Seismic Certification Compliance Report 1701502-CR-001-R1 is available upon request.
- b) 100 Spring: 2" Outside diameter x 4" Free Length.
- c) 140 Spring: 2" Outside diameter x 5" Free Length.
- d) Rated load is the maximum load recommended.
- e) Anti-skid rubber acoustical pad can be provided upon request.
- f) For springs 142, 144, 146, and 148 the operating height is 5-1/8".



## SMSR-A Vertical & horizontal restrained spring mounts

Model			Rated Load (lbs)	Deflection at Rated Load (lin)	Spring Rate (lbs/in)	Max. Vertical G Rating	Max. Horiz. G Rating	Spring Color
SMSR-AA-170	SMSR-AF-170	SMSR-AT-170	43	2	22	113	5.3	Blue
SMSR-AA-140	SMSR-AF-140	SMSR-AT-140	80	2	40	60	2.8	Black
SMSR-AA-171	SMSR-AF-171	SMSR-AT-171	120	2	60	40	1.9	Red
SMSR-AA-172	SMSR-AF-172	SMSR-AT-172	155	2	78	31	1.5	Orange
SMSR-AA-173	SMSR-AF-173	SMSR-AT-173	195	2	98	24	1.2	Green
SMSR-AA-174	SMSR-AF-174	SMSR-AT-174	236	2	118	21	1	White
SMSR-AA-175	SMSR-AF-175	SMSR-AT-175	300	2	150	16	0.8	Brown
SMSR-AA-176	SMSR-AF-176	SMSR-AT-176	395	2	198	12	0.6	Black



### Notes:

- Vibrasystems isolators are tested and certified to ASHRAE 171-2017 for wind and seismic load resistance. Wind and Seismic Certification Compliance Report 1701502-CR-001-R1 is available upon request.
- 170 & 140 Springs: 2" Outside diameter x 5" Free Length.
- Rated load is the maximum load recommended.
- Anti-skid rubber acoustical pad can be provided upon request.

## SMSR-B Vertical & horizontal restrained spring mounts

SMSR-BA/BF/BT mounts are designed to provide efficient isolation from critical vibrations and all-directional restraint from vertical and horizontal forces, as well as from forces due to seismic activities and high wind loads. Vibrasystems isolators are tested and certified to ASHRAE 171-2017 for wind and seismic load resistance.

There are three available configurations:

SMSR-BA: top with an angle, and inside leveling adjustment feature

SMSR-BF: flat top, and inside leveling adjustment feature

SMSR-BT: bolt top with leveling adjustment feature



SMSR-BA



SMSR-BF

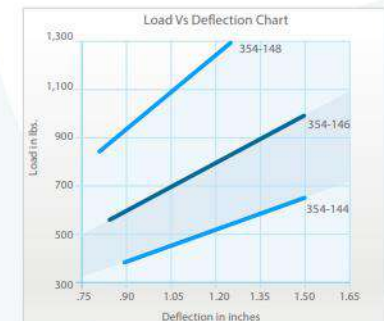
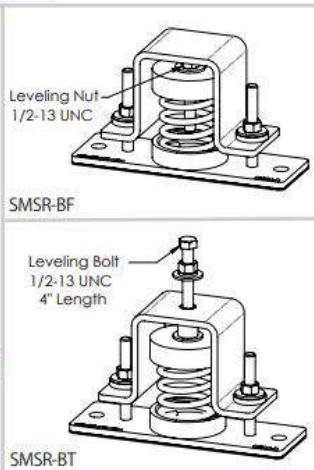
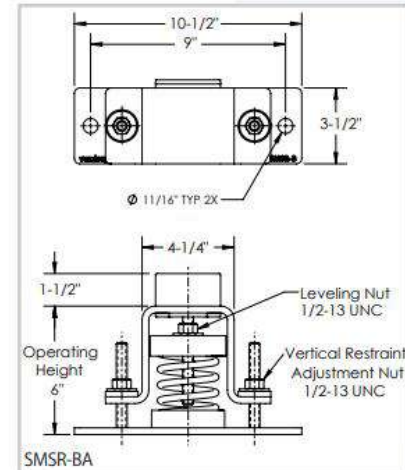


SMSR-BT

Model			Rated Load (lbs)	Deflection at Rated Load (in)	Spring Rate (lbs/in)	Max. Vertical G Rating	Max. Horizontal G Rating	Spring Color
SMSR-BA-352	SMSR-BF-352	SMSR-BT-352	140	1-1/2	93	54.9	3	Yellow
SMSR-BA-354	SMSR-BF-354	SMSR-BT-354	250	1-1/2	167	30.7	1.7	Purple
SMSR-BA-354-142	SMSR-BF-354-142	SMSR-BT-354-142	385	1-1/2	257	19.9	1.1	Purple/Blue
SMSR-BA-354-144	SMSR-BF-354-144	SMSR-BT-354-144	650	1-1/2	433	11.8	0.6	Purple/Brown
SMSR-BA-354-146	SMSR-BF-354-146	SMSR-BT-354-146	1,000	1-1/2	667	7.7	0.4	Purple/Yellow
SMSR-BA-354-148	SMSR-BF-354-148	SMSR-BT-354-148	1,300	1-1/4	1,040	5.9	0.3	Purple/Green

### Recommended for:

HVAC equipment, fan air circulation systems, compressors, pumps, chillers, AC units, cooling towers, inertia bases, etc.



### Notes:

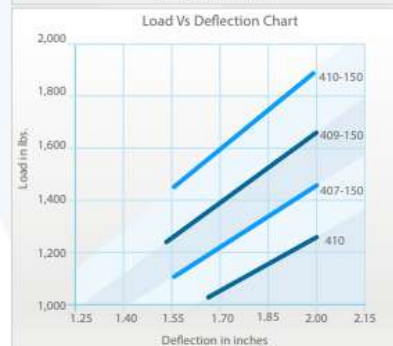
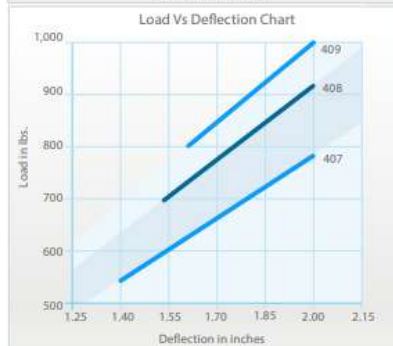
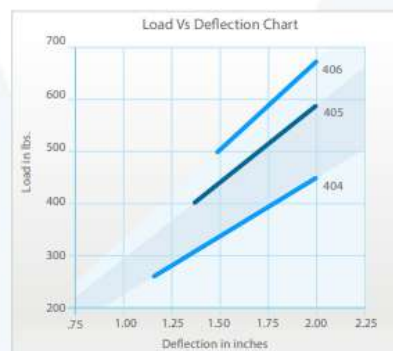
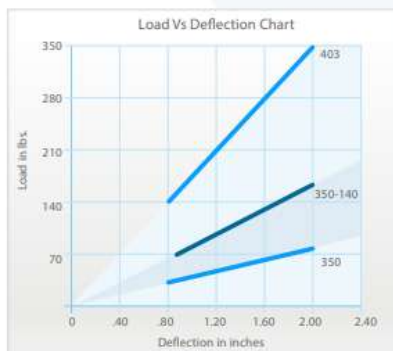
- Vibrasystems isolators are tested and certified to ASHRAE 171-2017 for wind and seismic load resistance. Wind and Seismic Certification Compliance Report 1701502-CR-001-R1 is available upon request.
- 350 Spring: 3" Outside diameter x 5" Free Length.
- 140 Spring & 170 Spring: 2" Outside diameter x 5" Free Length.
- 400 Spring: 3" Outside diameter x 5.75" Free Length.
- 150 Spring: 2" Outside diameter x 5.75" Free Length.
- Rated load is the maximum load recommended.
- Anti-skid rubber acoustical Pad can be provided upon request.

### Features:

- ✓ All springs at rated loads have 50% additional travel to solid load.
- ✓ All mounts' elements are safe at solid load.
- ✓ Safety Factor - Springs will accommodate 50% extra load from rated load to solid load.
- ✓ Recommended load range: from 50% of rated load to rated load.
- ✓ Certified ASHRAE 171-2017.
- ✓ Zinc plates housings and springs provide good corrosion resistance.
- ✓ Elastomer spring base cap provides better vibration isolation, load distribution and noise reduction.
- ✓ Springs are color coded and easily replaceable.
- ✓ Rugged welded steel housing designed to withstand seismic and high wind forces.

## SMSR-B Vertical & horizontal restrained spring mounts

Model			Rated Load (lbs)	Deflection at Rated Load (lin)	Spring Rate (lbs/in)	Max. Vertical G Rating	Max. Horizontal G Rating	Spring Color
SMSR-BA-350	SMSR-BF-350	SMSR-BT-350	80	2	40	96	5.3	Red
SMSR-BA-350-140	SMSR-BF-350-140	SMSR-BT-350-140	160	2	80	48	2.6	Red/Black
SMSR-BA-403	SMSR-BF-403	SMSR-BT-403	348	2	174	22.1	1.2	Black
SMSR-BA-404	SMSR-BF-404	SMSR-BT-404	453	2	226	17	0.9	Blue
SMSR-BA-405	SMSR-BF-405	SMSR-BT-405	590	2	295	13	0.7	Red
SMSR-BA-406	SMSR-BF-406	SMSR-BT-406	676	2	338	11.4	0.6	Orange
SMSR-BA-407	SMSR-BF-407	SMSR-BT-407	787	2	393	9.8	0.5	Green
SMSR-BA-408	SMSR-BF-408	SMSR-BT-408	918	2	459	8.4	0.5	White
SMSR-BA-409	SMSR-BF-409	SMSR-BT-409	1,000	2	500	7.7	0.4	Brown
SMSR-BA-410	SMSR-BF-410	SMSR-BT-410	1,250	2	625	6.1	0.3	White
SMSR-BA-407-150	SMSR-BF-407-150	SMSR-BT-407-150	1,437	2	718	5.3	0.3	Green/Grey
SMSR-BA-409-150	SMSR-BF-409-150	SMSR-BT-409-150	1,650	2	825	4.7	0.3	Brown/Grey
SMSR-BA-410-150	SMSR-BF-410-150	SMSR-BT-410-150	1,900	2	950	4	0.2	White/Grey





## SMSR-2-B Vertical & horizontal restrained spring mounts

SMSR-2-BT/BF series mounts are designed to provide efficient isolation from critical vibrations and all-directional restraint from vertical and horizontal forces, as well as from forces due to seismic activities and high wind loads. There are two available configurations:

- SMSR-2-BT: bolt top with leveling adjustment feature;
- SMSR-2-BF: flat top and inside leveling adjustment feature;

### Recommended for:

HVAC equipment, fan air circulation systems, compressors, pumps, chillers, AC units, cooling towers, inertia bases, etc.

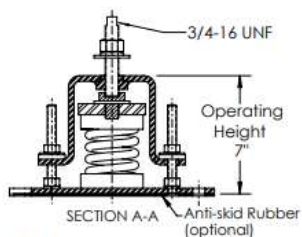
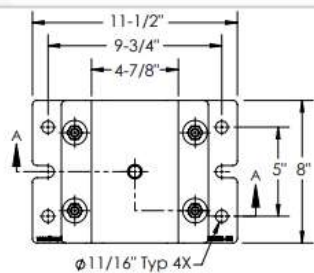
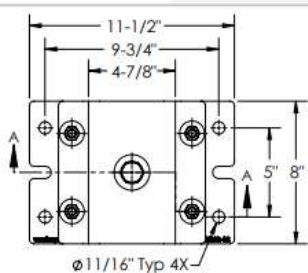


SMSR-2-BT

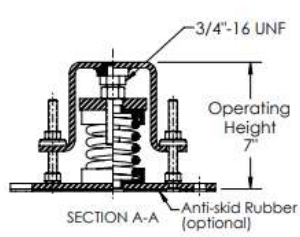


SMSR-2-BF

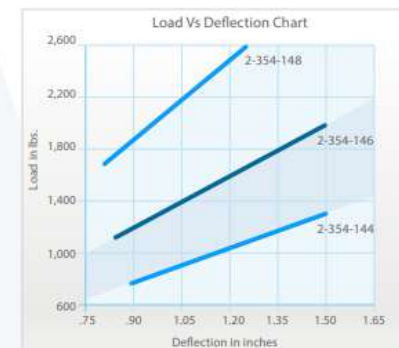
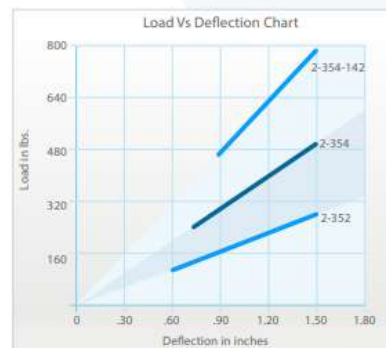
Model	Rated Load (lbs)	Deflection at Rated Load (lin)	Spring Rate (lbs/in)	Spring Color
SMSR-2-BT-352	280	1-1/2	187	Yellow
SMSR-2-BT-354	500	1-1/2	333	Purple
SMSR-2-BT-354-142	770	1-1/2	513	Purple/Blue
SMSR-2-BT-354-144	1,300	1-1/2	867	Purple/Brown
SMSR-2-BT-354-146	2,000	1-1/2	1,333	Purple/Yellow
SMSR-2-BT-354-148	2,600	1-1/4	2,080	Purple/Green



SMSR-2-BT



SMSR-2-BF



### Features:

- All springs at rated loads have 50% additional travel to solid load.
- All mounts' elements are safe at solid load.
- Safety Factor - Springs will accommodate 50% extra load from rated load to solid load.
- Recommended load range: from 50% of rated load to rated load.
- Zinc plated housing provides good corrosion resistance.
- Elastomer spring base cap provides better vibration isolation, load distribution and noise reduction.
- Springs are color coded and easily replaceable.
- Anti-skid rubber acoustical pad is optional.

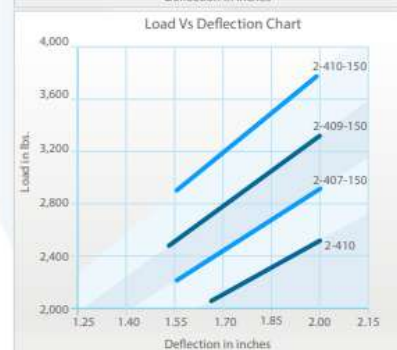
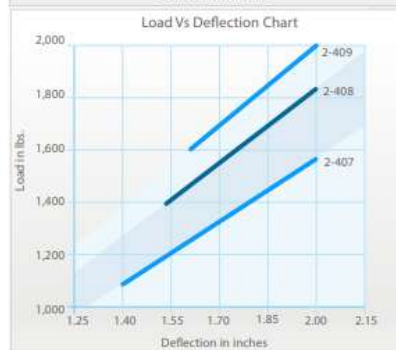
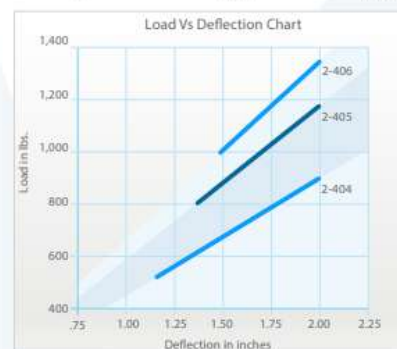
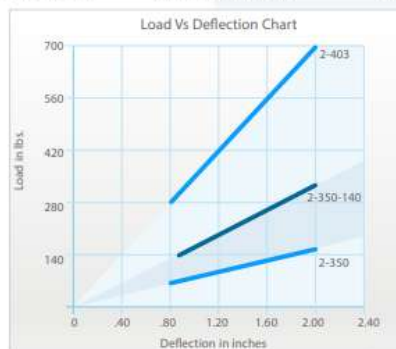
### Notes:

- 350 Spring: 3" Outside diameter x 5" Free Length.
- 140 Spring & 170 Spring: 2" Outside diameter x 5" Free Length.
- 400 Spring: 3" Outside diameter x 5.75" Free Length.
- 150 Spring: 2" Outside diameter x 5.75" Free Length.
- Rated load is the maximum load recommended.



## SMSR-2-B Vertical & horizontal restrained spring mounts

Model		Rated Load (lbs)	Deflection at Rated Load (in)	Spring Rate (lbs/in)	Spring Color
SMSR-2-BT-350	SMSR-2-BF-350	160	2	80	Red
SMSR-2-BT-350-140	SMSR-2-BF-350-140	320	2	160	Red/Black
SMSR-2-BT-403	SMSR-2-BF-403	696	2	348	Black
SMSR-2-BT-404	SMSR-2-BF-404	906	2	453	Blue
SMSR-2-BT-405	SMSR-2-BF-405	1,180	2	590	Red
SMSR-2-BT-406	SMSR-2-BF-406	1,352	2	676	Orange
SMSR-2-BT-407	SMSR-2-BF-407	1,574	2	787	Green
SMSR-2-BT-408	SMSR-2-BF-408	1,836	2	918	White
SMSR-2-BT-409	SMSR-2-BF-409	2,000	2	1,000	Brown
SMSR-2-BT-410	SMSR-2-BF-410	2,500	2	1,250	White
SMSR-2-BT-407-150	SMSR-2-BF-407-150	2,874	2	1,437	Green/Grey
SMSR-2-BT-409-150	SMSR-2-BF-409-150	3,300	2	1,650	Brown/Grey
SMSR-2-BT-410-150	SMSR-2-BF-410-150	3,800	2	1,900	White/Grey



## SMSR-4-B Vertical & horizontal restrained spring mounts

SMSR-4-BF/BT series mounts are designed to provide efficient isolation from critical vibrations and all-directional restraint from vertical and horizontal forces.

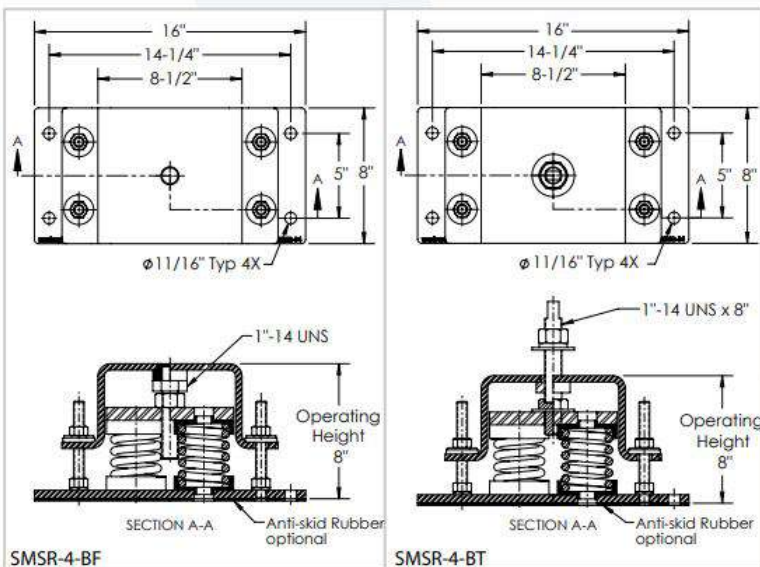
There are two available configurations:

SMSR-4-BF: flat top and inside leveling adjustment feature

SMSR-4-BT: bolt top with leveling adjustment feature

### Recommended for:

HVAC equipment, fan air circulation systems, compressors, pumps, chillers, AC units, cooling towers, inertia bases, etc.

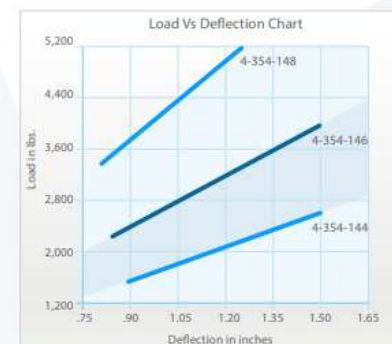
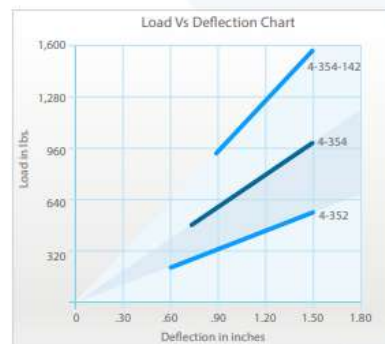


SMSR-4-BT



SMSR-4-BF

Model	Rated Load (lbs)	Deflection at Rated Load (lin)	Spring Rate (lbs/in)	Spring Color
SMSR-4-BT-352	560	1-1/2	373	Yellow
SMSR-4-BT-354	1,000	1-1/2	667	Purple
SMSR-4-BT-354-142	1,540	1-1/2	1,027	Purple/Blue
SMSR-4-BT-354-144	2,600	1-1/2	1,733	Purple/Brown
SMSR-4-BT-354-146	4,000	1-1/2	2,667	Purple/Yellow
SMSR-4-BT-354-148	5,200	1-1/4	4,160	Purple/Green



### Features:

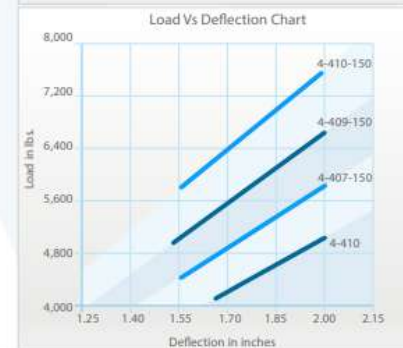
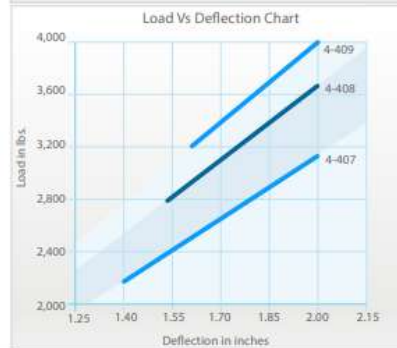
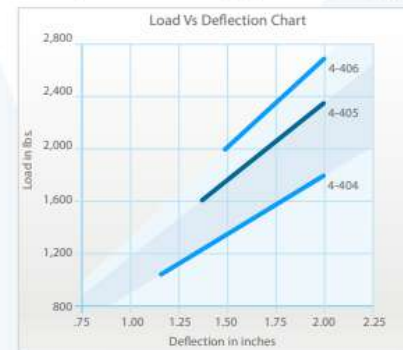
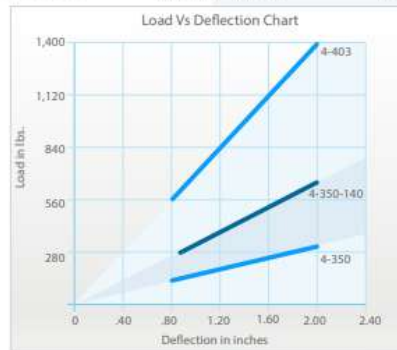
- ✓ All springs at rated loads have 50% additional travel to solid load.
- ✓ All mounts' elements are safe at solid load.
- ✓ Safety Factor - Springs will accommodate 50% extra load from rated load to solid load.
- ✓ Recommended load range: from 50% of rated load to rated load.
- ✓ Hot-dip Galvanizing housing provides good corrosion resistance.
- ✓ Elastomer spring base cap provides better vibration isolation, load distribution and noise reduction.
- ✓ Springs are color coded and easily replaceable.
- ✓ Anti-skid rubber acoustical pad is optional.

### Notes:

- a) 350 Spring: 3" Outside diameter x 5" Free Length.
- b) 140 Spring & 170 Spring: 2" Outside diameter x 5" Free Length.
- c) 400 Spring: 3" Outside diameter x 5.75" Free Length.
- d) 150 Spring: 2" Outside diameter x 5.75" Free Length.
- e) Rated load is the maximum load recommended.

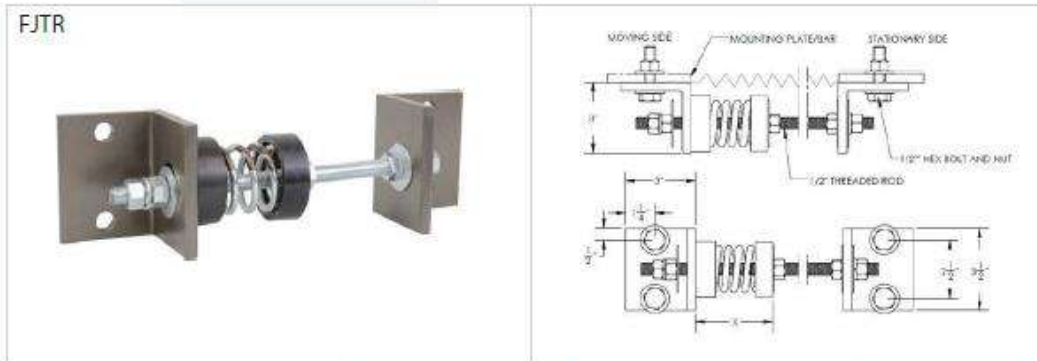
## SMSR-4-B Vertical & horizontal restrained spring mounts

Model		Rated Load (lbs)	Deflection at Rated Load (in)	Spring Rate (lbs/in)	Spring Color
SMSR-4-BT-350	SMSR-4-BF-350	320	2	160	Red
SMSR-4-BT-350-140	SMSR-4-BF-350-140	640	2	320	Red/Black
SMSR-4-BT-403	SMSR-4-BF-403	1,392	2	696	Black
SMSR-4-BT-404	SMSR-4-BF-404	1,812	2	906	Blue
SMSR-4-BT-405	SMSR-4-BF-405	2,360	2	1,180	Red
SMSR-4-BT-406	SMSR-4-BF-406	2,704	2	1,352	Orange
SMSR-4-BT-407	SMSR-4-BF-407	3,148	2	1,574	Green
SMSR-4-BT-408	SMSR-4-BF-408	3,672	2	1,836	White
SMSR-4-BT-409	SMSR-4-BF-409	4,000	2	2,000	Brown
SMSR-4-BT-410	SMSR-4-BF-410	5,000	2	2,500	White
SMSR-4-BT-407-150	SMSR-4-BF-407-150	5,748	2	2,874	Green/Grey
SMSR-4-BT-409-150	SMSR-4-BF-409-150	6,600	2	3,300	Brown/Grey
SMSR-4-BT-410-150	SMSR-4-BF-410-150	7,600	2	3,800	White/Grey



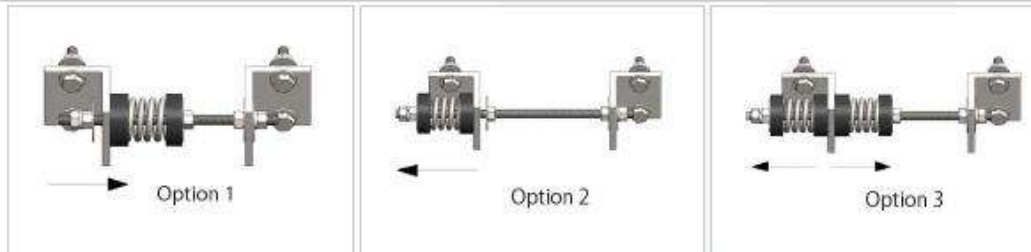
## FJTR Flexible joint thrust restraint

FJTR Series are designed to help to control expansion of the flexible joints connection. Available in three design options to control expansion: to the right, to the left or both ways.



### Features:

- ✓ Elastomer cups have embedded steel washer for uniform load distribution.
- ✓ Safety factor will accommodate 50% extra load from maximum load.
- ✓ Heavy steel angles.
- ✓ Springs are color-coded and easily replaceable.
- ✓ All springs have 2.0" outside diameter.
- ✓ Available assemblies with
  - 120 series: 2.75" long spring with 1" deflection.
  - 100 series: 4" long spring with 1" deflection
  - 140 series: 5" long springs with 2" deflection.



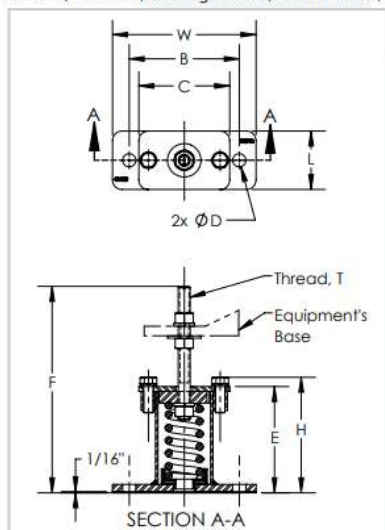


## SRMT-020/120/100 Vertical restrained mounts

SRMT series mounts are designed to provide efficient isolation from critical vibrations and all-directional restraint from vertical and horizontal forces, as well as from forces due to seismic activities and high wind loads.

### Recommended for:

HVAC equipment, fan air circulation systems, compressors, pumps, chillers, AC units, cooling towers, inertia bases, etc.



Dimensions in inches (in)	SRMT-20	SRMT-120	SRMT-100
W	4-1/2	6-1/2	7-1/2
L	2	3-1/16	3-1/16
B	3-1/2	5	5-3/4
C	3-1/4	4-1/2	4-3/4
D	7/16	9/16	11/16
H	2-3/4	4-7/16	6-1/16
E	2-7/16	4-1/16	5-9/16
F	5-1/2	8-5/16	10-13/16
T	3/8-16 UNC	1/2-13 UNC	5/8-11 UNC

### Features:

- ✓ All springs at rated loads have 50% additional travel to solid load.
- ✓ All mounts' elements are safe at solid load.
- ✓ Safety Factor - Springs will accommodate 50% extra load from rated load to solid load.\*\*
- ✓ Recommended load range: from 50% of rated load to rated load.
- ✓ Zinc plates housings and springs provide good corrosion resistance.
- ✓ Elastomer spring base cap provides better vibration isolation, load distribution and noise reduction.
- ✓ Springs are color coded and easily replaceable.
- ✓ Rugged welded steel housing designed to withstand seismic and high wind forces.
- ✓ Anti-skid rubber acoustical pad.

**Notes:** a) Spring 020: 1.25" Outside diameter x 1.5" Free Length.  
 b) Spring 120: 2" Outside diameter x 2.75" Free Length.  
 c) Spring 100: 2" Outside diameter x 4" Free Length

d) Rated load is the maximum load recommended.  
 \*\* Spring 024 at rated load has 30% additional travel to solid load.

### 1/2" Deflection

Model	Rated Load (lbs)	Deflection at Rated Load (in)	Spring Rate (lbs/in)	Max. Vertical G Rating	Max. Horiz. G Rating	Spring Color
SRMT-020	5	.50	10	100	65	Black
SRMT-021	15	.50	30	33.3	21.6	Blue
SRMT-022	35	.50	70	14.2	9.2	Red
SRMT-023	50	.50	100	10	6.5	Yellow
SRMT-024	80	.40	200	6.2	4	White

### 3/4" Deflection

Model	Rated Load (lbs)	Deflection at Rated Load (in)	Spring Rate (lbs/in)	Max. Vertical G Rating	Max. Horiz. G Rating	Spring Color
SRMT-125	330	.75	440	3	2.4	Red
SRMT-126	390	.75	520	2.5	2	Brown
SRMT-127	600	.75	800	1.6	1.3	Yellow
SRMT-128	950	.75	1,265	1.05	.84	Green

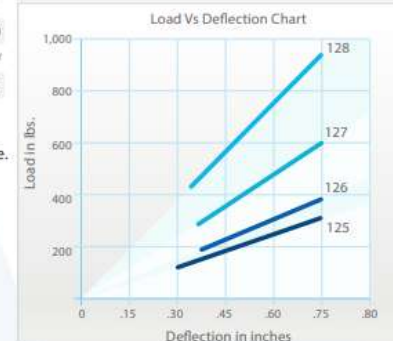
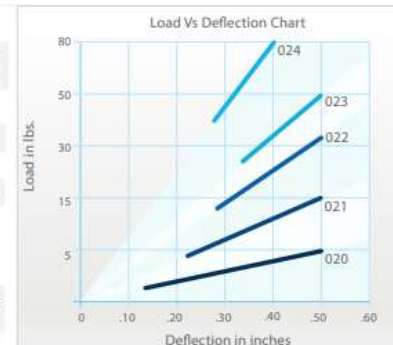
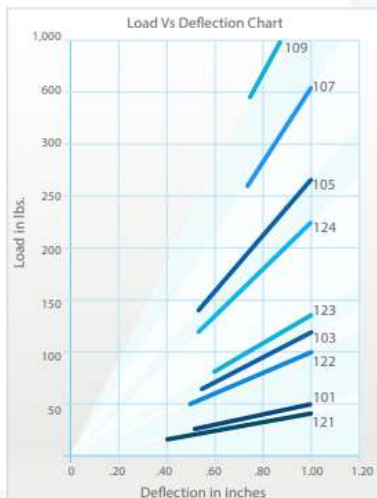
The load capacities are LRFD (Load and Resistance Factor Design) load level prescribed in American Society of Civil Engineers ASCE 7-10 and listed in the table.

#### SRMT-020

Max. Horizontal: 325 lbs  
 Max. Vertical: 500 lbs

#### SRMT-120

Max. Horizontal: 800 lbs  
 Max. Vertical: 1,000 lbs



### 1" Deflection

Model	Rated Load (lbs)	Deflection at Rated Load (inch)	Spring Rate (lbs/in)	Max. Vertical G Rating	Max. Horiz. G Rating	Spring Color
SRMT-121	45	1	45	22.2	17.7	Grey
SRMT-122	100	1	100	10	8	Black
SRMT-123	135	1	135	7.4	5.9	Pink
SRMT-124	225	1	225	4.4	3.5	Blue
SRMT-101	50	1	50			Black
SRMT-103	120	1	120			Blue
SRMT-105	270	1	270			Brown
SRMT-107	650	1	650			Yellow
SRMT-109	1,000	.84	1,190			Green

## SRM-1-350 Heavy duty seismic restrained spring mounts

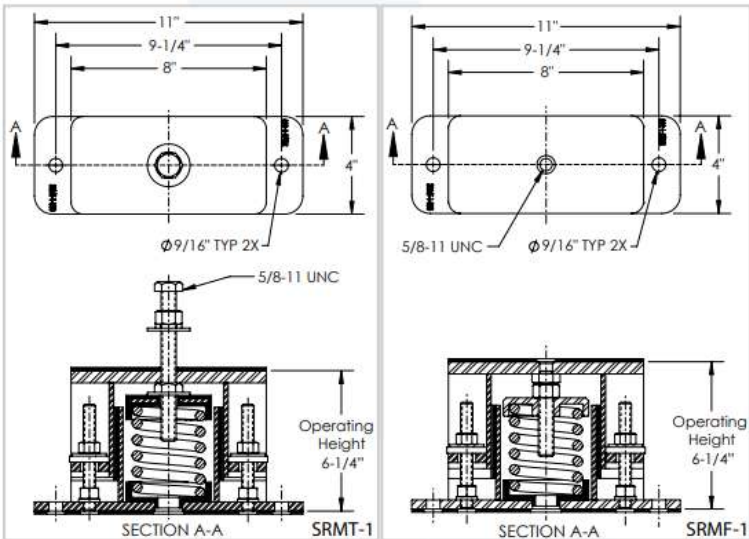
SRMT/SRMF series mounts are heavy-duty seismic restrained mounts with unique sliding channels designed to withstand lateral loads in combination with vertical loads. Vibrasystems isolators are tested and certified to ASHRAE 171-2017 for wind and seismic load resistance.

There are two available configurations:

- SRMF: flat top with an inside leveling adjustment feature
- SRMT: bolted top with leveling adjustment feature

### Recommended for:

HVAC equipment, fan air circulation systems, compressors, pumps, chillers, AC units, cooling towers, inertia bases, etc.



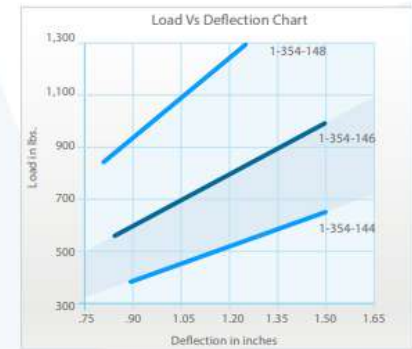
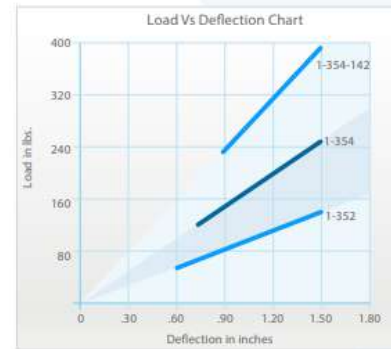
SRMT-1



SRMF-1



Model	Rated Load (lbs)	Deflection at Rated Load (lin)	Spring Rate (lbs/in)	Max. Combined Vertical / Horizontal G Rating	Spring Color
SRMT-1-352 SRMF-1-352	140	1-1/2	93	46.3	Yellow
SRMT-1-354 SRMF-1-354	250	1-1/2	167	25.9	Purple
SRMT-1-354-142 SRMF-1-354-142	385	1-1/2	257	16.8	Purple/Blue
SRMT-1-354-144 SRMF-1-354-144	650	1-1/2	433	10	Purple/Brown
SRMT-1-354-146 SRMF-1-354-146	1,000	1-1/2	667	6.5	Purple/Yellow
SRMT-1-354-148 SRMF-1-354-148	1,300	1-1/4	867	5	Purple/Green



### Features:

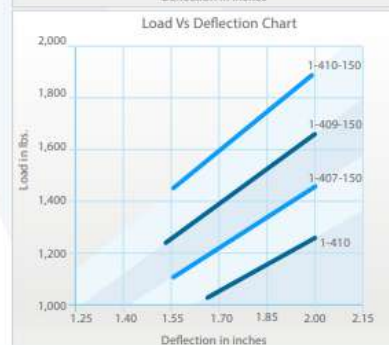
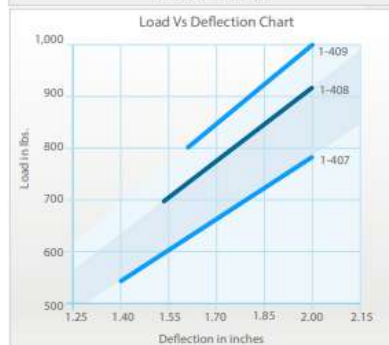
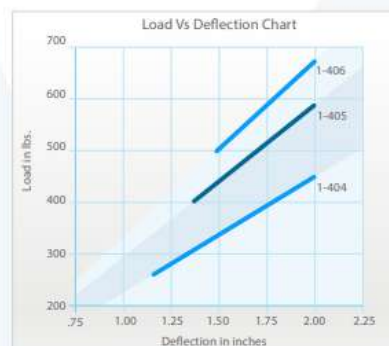
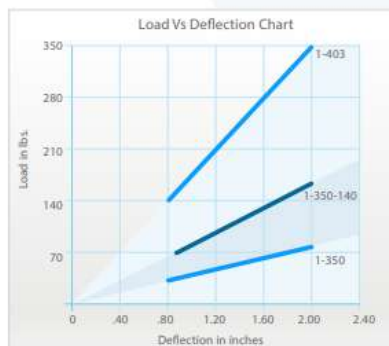
- ✓ All springs at rated loads have 50% additional travel to solid load.
- ✓ All mounts' elements are safe at solid load.
- ✓ Safety Factor - Springs will accommodate 50% extra load from rated load to solid load.
- ✓ Recommended load range: from 50% of rated load to rated load.
- ✓ Certified ASHRAE 171-2017.
- ✓ Zinc plates housings and springs provide good corrosion resistance.
- ✓ Elastomer spring base cap provides better vibration isolation, load distribution and noise reduction.
- ✓ Springs are color coded and easily replaceable.
- ✓ Rugged welded steel housing designed to withstand seismic and high wind forces.
- ✓ Anti-skid rubber acoustical pad.

### Notes:

- Vibrasystems isolators are tested and certified to ASHRAE 171-2017 for wind and seismic load resistance. Wind and Seismic Certification Compliance Report 1701502-CR-001-R1 is available upon request.
- 350 Spring: 3" Outside diameter x 5" Free Length.
- 140 Spring & 170 Spring: 2" Outside diameter x 5" Free Length.
- 400 Spring: 3" Outside diameter x 5.75" Free Length.
- 150 Spring: 2" Outside diameter x 5.75" Free Length.
- Rated load is the maximum load recommended.

## SRM-1-350 Heavy duty seismic restrained spring mounts

Model	Rated Load (lbs)	Deflection at Rated Load (lin)	Spring Rate (lbs/in)	Max. Combined Vertical / Horizontal G Rating	Spring Color
SRMT-1-350 SRMF-1-350	80	2	40	81	Red
SRMT-1-350-140 SRMF-1-350-140	160	2	80	40.5	Red/Black
SRMT-1-403 SRMF-1-403	348	2	174	18.6	Black
SRMT-1-404 SRMF-1-404	453	2	226	14.3	Blue
SRMT-1-405 SRMF-1-405	590	2	295	11	Red
SRMT-1-406 SRMF-1-406	676	2	338	9.6	Orange
SRMT-1-407 SRMF-1-407	787	2	393	8.2	Green
SRMT-1-408 SRMF-1-408	918	2	459	7.1	White
SRMT-1-409 SRMF-1-409	1,000	2	500	6.5	Brown
SRMT-1-410 SRMF-1-410	1,250	2	625	5.2	White
SRMT-1-407-150 SRMF-1-407-150	1,437	2	718	4.5	Green/Grey
SRMT-1-409-150 SRMF-1-409-150	1,650	2	825	3.9	Brown/Grey
SRMT-1-410-150 SRMF-1-410-150	1,900	2	950	3.4	White/Grey





## SRM-2-350 Heavy duty seismic restrained spring mounts

SRMT/SRMF series mounts are heavy-duty seismic restrained mounts with unique sliding channels designed to withstand lateral loads in combination with vertical loads. Vibrasystems isolators are tested and certified to ASHRAE 171-2017 for wind and seismic load resistance.

There are two available configurations:

- SRMF: flat top with an inside leveling adjustment feature
- SRMT: bolted top with leveling adjustment feature

### Recommended for:

HVAC equipment, fan air circulation systems, compressors, pumps, chillers, AC units, cooling towers, inertia bases, etc.



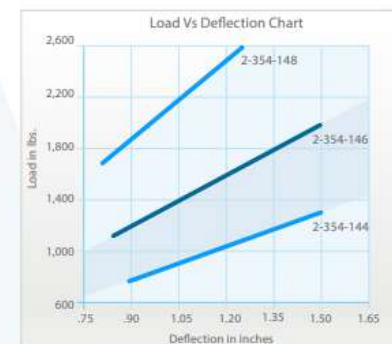
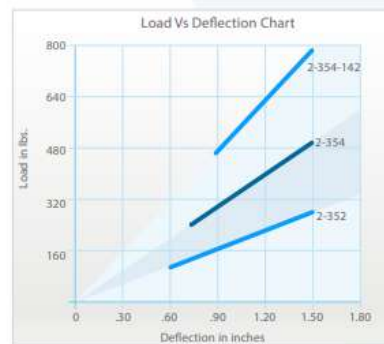
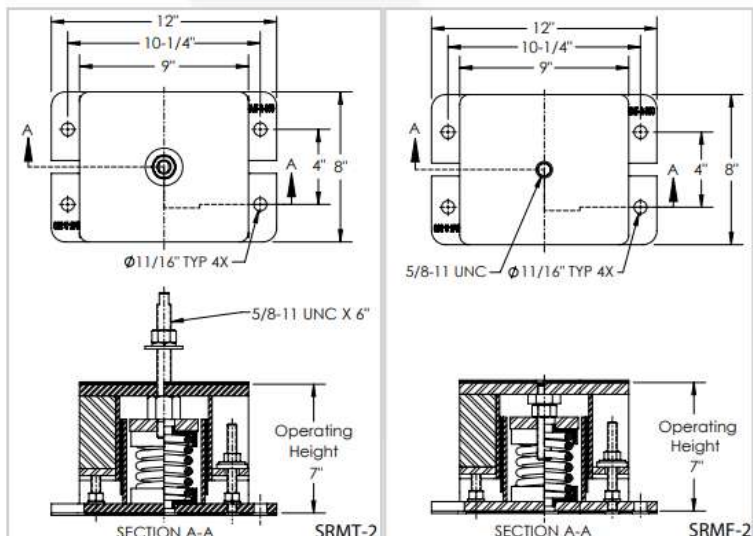
SRMT-2



SRMF-2



Model	Rated Load (lbs)	Deflection at Rated Load (lin)	Spring Rate (lbs/in)	Max. Combined Vertical / Horizontal G Rating	Spring Color
SRMT-2-352 SRMF-2-352	280	1-1/2	187	36.9	Yellow
SRMT-2-354 SRMF-2-354	500	1-1/2	333	20.7	Purple
SRMT-2-354-142 SRMF-2-354-142	770	1-1/2	513	13.4	Purple/Blue
SRMT-2-354-144 SRMF-2-354-144	1,300	1-1/2	867	7.9	Purple/Brown
SRMT-2-354-146 SRMF-2-354-146	2,000	1-1/2	1,333	5.2	Purple/Yellow
SRMT-2-354-148 SRMF-2-354-148	2,600	1-1/4	2,080	4	Purple/Green



### Notes:

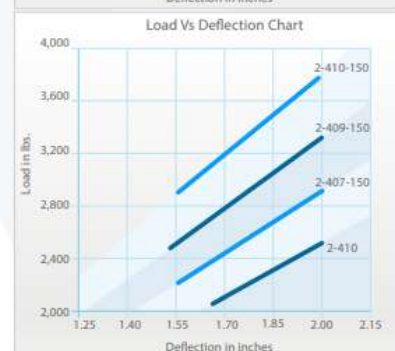
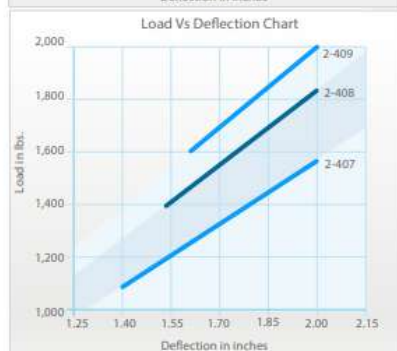
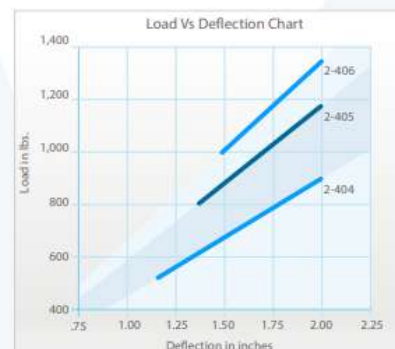
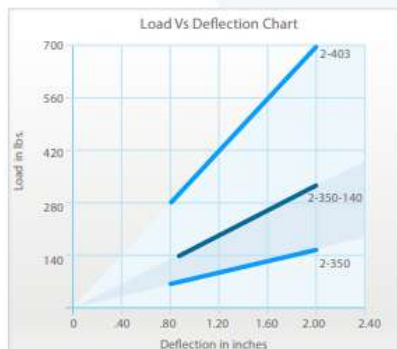
- Vibrasystems isolators are tested and certified to ASHRAE 171-2017 for wind and seismic load resistance. Wind and Seismic Certification Compliance Report 1701502-CR-001-R1 is available upon request.
- 350 Spring: 3" Outside diameter x 5" Free Length.
- 140 Spring & 170 Spring: 2" Outside diameter x 5" Free Length.
- 400 Spring: 3" Outside diameter x 5.75" Free Length.
- 150 Spring: 2" Outside diameter x 5.75" Free Length.
- Rated load is the maximum load recommended.

### Features:

- ✓ All springs at rated loads have 50% additional travel to solid load.
- ✓ All mounts' elements are safe at solid load.
- ✓ Safety Factor - Springs will accommodate 50% extra load from rated load to solid load.
- ✓ Recommended load range: from 50% of rated load to rated load.
- ✓ Certified ASHRAE 171-2017.
- ✓ Zinc plates housings and springs provide good corrosion resistance.
- ✓ Elastomer spring base cap provides better vibration isolation, load distribution and noise reduction.
- ✓ Springs are color coded and easily replaceable.
- ✓ Rugged welded steel housing designed to withstand seismic and high wind forces.
- ✓ Anti-skid rubber acoustical pad.

## SRM-2-350 Heavy duty seismic restrained spring mounts

Model		Rated Load (lbs)	Deflection at Rated Load (lin)	Spring Rate (lbs/in)	Max. Combined Vertical / Horizontal G Rating	Spring Color
SRMT-2-350	SRMF-2-350	160	2	80	64.6	Red
SRMT-2-350-140	SRMF-2-350-140	320	2	160	32.3	Red/Black
SRMT-2-403	SRMF-2-403	696	2	348	14.8	Black
SRMT-2-404	SRMF-2-404	906	2	453	11.4	Blue
SRMT-2-405	SRMF-2-405	1,180	2	590	8.8	Red
SRMT-2-406	SRMF-2-406	1,352	2	676	7.6	Orange
SRMT-2-407	SRMF-2-407	1,574	2	787	6.6	Green
SRMT-2-408	SRMF-2-408	1,836	2	918	5.6	White
SRMT-2-409	SRMF-2-409	2,000	2	1,000	5.2	Brown
SRMT-2-410	SRMF-2-410	2,500	2	1,250	4.1	White
SRMT-2-407-150	SRMF-2-407-150	2,874	2	1,437	3.6	Green/Grey
SRMT-2-409-150	SRMF-2-409-150	3,300	2	1,650	3.1	Brown/Grey
SRMT-2-410-150	SRMF-2-410-150	3,800	2	1,900	2.7	White/Grey



## SRM-4-350 Heavy duty seismic restrained spring mounts

SRMT/SRMF series mounts are heavy-duty seismic restrained mounts with unique sliding channels designed to withstand lateral loads in combination with vertical loads. Vibrasystems isolators are tested and certified to ASHRAE 171-2017 for wind and seismic load resistance.

There are two available configurations:

SRMF: flat top with an inside leveling adjustment feature

SRMT: bolted top with leveling adjustment feature

### Recommended for:

HVAC equipment, fan air circulation systems, compressors, pumps, chillers, AC units, cooling towers, inertia bases, etc.



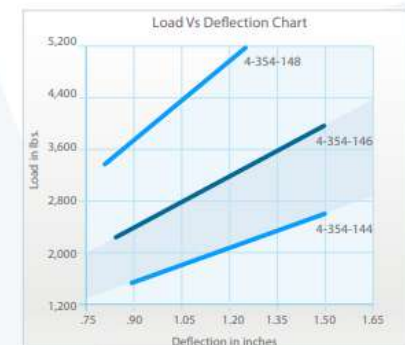
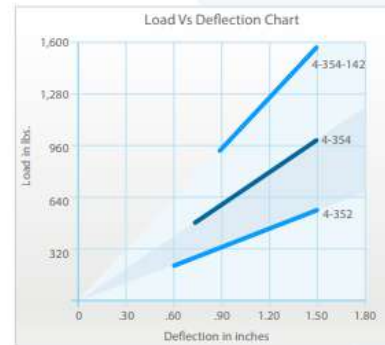
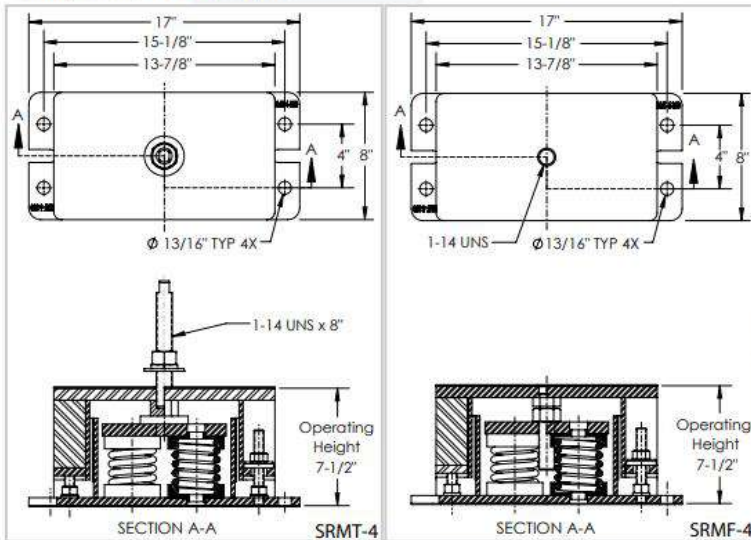
SRMT-4



SRMF-4



Model	Rated Load (lbs)	Deflection at Rated Load (lin)	Spring Rate (lbs/in)	Max. Combined Vertical / Horizontal G Rating	Spring Color	
SRMT-4-352	SRMF-4-352	560	1-1/2	373	40.8	Yellow
SRMT-4-354	SRMF-4-354	1,000	1-1/2	667	22.9	Purple
SRMT-4-354-142	SRMF-4-354-142	1,540	1-1/2	1,027	14.8	Purple/Blue
SRMT-4-354-144	SRMF-4-354-144	2,600	1-1/2	1,733	8.8	Purple/Brown
SRMT-4-354-146	SRMF-4-354-146	4,000	1-1/2	2,667	5.7	Purple/Yellow
SRMT-4-354-148	SRMF-4-354-148	5,200	1-1/4	4,160	4.4	Purple/Green



### Features:

- ✓ All springs at rated loads have 50% additional travel to solid load.
- ✓ All mounts' elements are safe at solid load.
- ✓ Safety Factor - Springs will accommodate 50% extra load from rated load to solid load.
- ✓ Recommended load range: from 50% of rated load to rated load.
- ✓ Certified ASHRAE 171-2017.
- ✓ Zinc plates housings and springs provide good corrosion resistance.
- ✓ Elastomer spring base cap provides better vibration isolation, load distribution and noise reduction.
- ✓ Springs are color coded and easily replaceable.
- ✓ Rugged welded steel housing designed to withstand seismic and high wind forces.
- ✓ Anti-skid rubber acoustical pad.

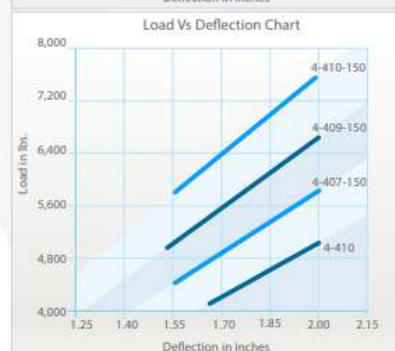
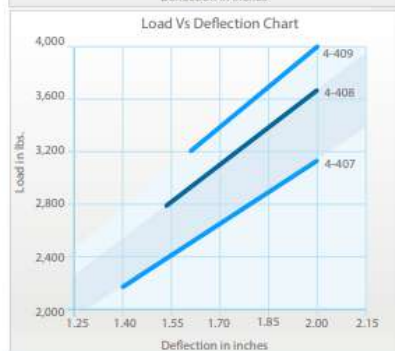
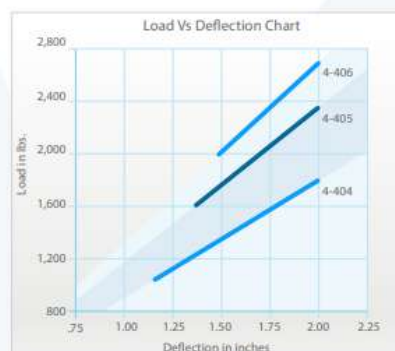
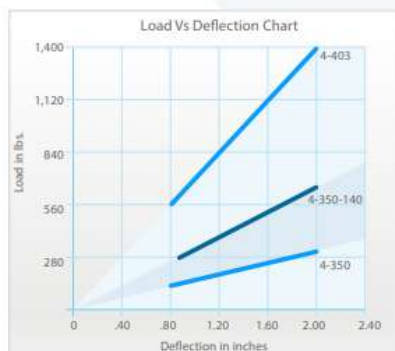
### Notes:

- a) Vibrasystems isolators are tested and certified to ASHRAE 171-2017 for wind and seismic load resistance. Wind and Seismic Certification Compliance Report 1701502-CR-001-R1 is available upon request.
- b) 350 Spring: 3" Outside diameter x 5" Free Length.
- c) 140 Spring & 170 Spring: 2" Outside diameter x 5" Free Length.
- d) 400 Spring: 3" Outside diameter x 5.75" Free Length.
- e) 150 Spring: 2" Outside diameter x 5.75" Free Length.
- f) Rated load is the maximum load recommended.



## SRM-4-350 Heavy duty seismic restrained spring mounts

Model	Rated Load (lbs)	Deflection at Rated Load (lin)	Spring Rate (lbs/in)	Max. Combined Vertical / Horizontal G Rating	Spring Color
SRMT-4-350 SRMF-4-350	320	2	160	71.4	Red
SRMT-4-350-140 SRMF-4-350-140	640	2	320	35.7	Red/Black
SRMT-4-403 SRMF-4-403	1,392	2	696	16.4	Black
SRMT-4-404 SRMF-4-404	1,812	2	906	12.6	Blue
SRMT-4-405 SRMF-4-405	2,360	2	1,180	9.7	Red
SRMT-4-406 SRMF-4-406	2,704	2	1,352	8.5	Orange
SRMT-4-407 SRMF-4-407	3,148	2	1,574	7.3	Green
SRMT-4-408 SRMF-4-408	3,672	2	1,836	6.2	White
SRMT-4-409 SRMF-4-409	4,000	2	2,000	5.7	Brown
SRMT-4-410 SRMF-4-410	5,000	2	2,500	4.6	White
SRMT-4-407-150 SRMF-4-407-150	5,748	2	2,874	4	Green/Grey
SRMT-4-409-150 SRMF-4-409-150	6,600	2	3,300	3.5	Brown/Grey
SRMT-4-410-150 SRMF-4-410-150	7,600	2	3,800	3	White/Grey



## SRM-9-350 Heavy duty seismic restrained spring mounts

SRMT/SRMF series mounts are heavy-duty seismic restrained mounts with unique sliding channels designed to withstand lateral loads in combination with vertical loads.

There are two available configurations:

SRMF: flat top with an inside leveling adjustment feature

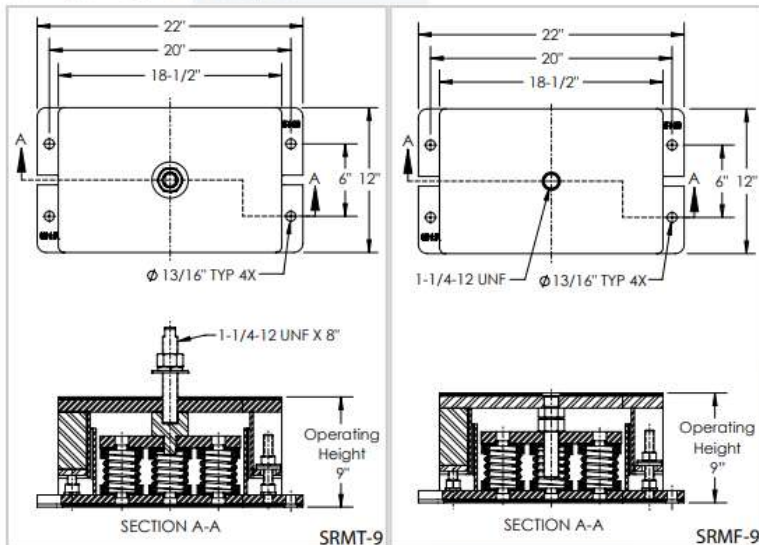
SRMT: bolted top with leveling adjustment feature

Recommended for:

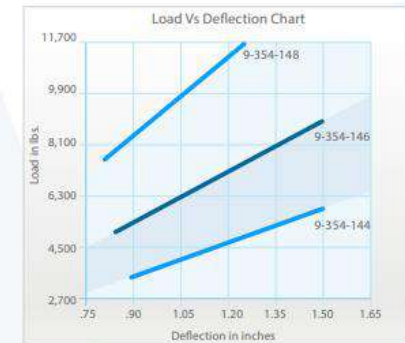
HVAC equipment, fan air circulation systems, compressors, pumps, chillers, AC units, cooling towers, inertia bases, etc.



SRMT-9



Model	Rated Load (lbs)	Deflection at Rated Load (in)	Spring Rate (lbs/in)	Max Combined Vertical / Horizontal G Rating	Spring Color
SRMT-9-352	SRMF-9-352	1,260	1-1/2	840	Yellow
SRMT-9-354	SRMF-9-354	2,250	1-1/2	1,500	Purple
SRMT-9-354-142	SRMF-9-354-142	3,465	1-1/2	2,310	Purple/Blue
SRMT-9-354-144	SRMF-9-354-144	5,850	1-1/2	3,900	Purple/Brown
SRMT-9-354-146	SRMF-9-354-146	9,000	1-1/2	6,000	Purple/Yellow
SRMT-9-354-148	SRMF-9-354-148	11,700	1-1/4	9,360	Purple/Green



### Features:

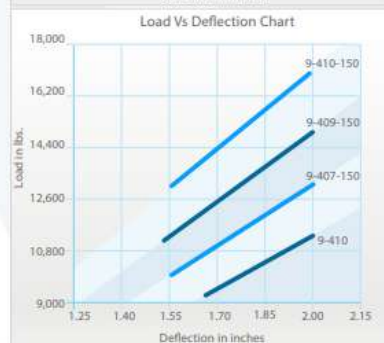
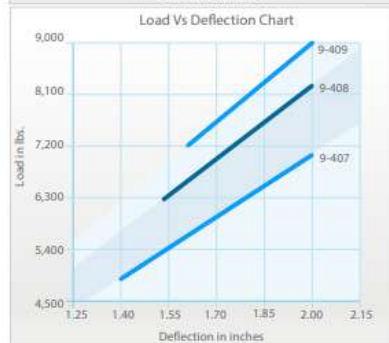
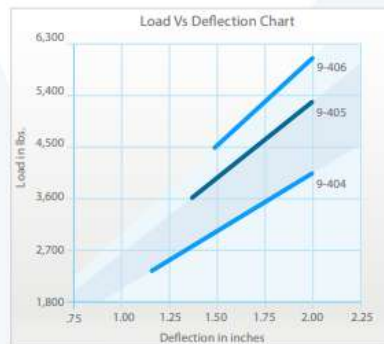
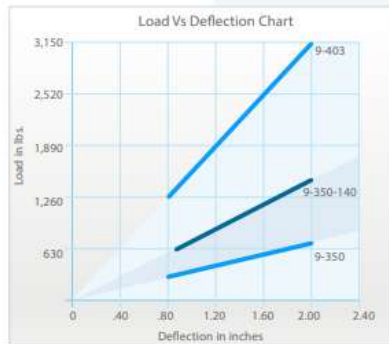
- ✓ All springs at rated loads have 50% additional travel to solid load.
- ✓ All mounts' elements are safe at solid load.
- ✓ Safety Factor - Springs will accommodate 50% extra load from rated load to solid load.
- ✓ Recommended load range: from 50% of rated load to rated load.
- ✓ Zinc plates housings and springs provide good corrosion resistance.
- ✓ Elastomer spring base cap provides better vibration isolation, load distribution and noise reduction.
- ✓ Springs are color coded and easily replaceable.
- ✓ Rugged welded steel housing designed to withstand seismic and high wind forces.
- ✓ Anti-skid rubber acoustical pad.

### Notes:

- a) 350 Spring: 3" Outside diameter x 5" Free Length.
- b) 140 Spring & 170 Spring: 2" Outside diameter x 5" Free Length.
- c) 400 Spring: 3" Outside diameter x 5.75" Free Length.
- d) 150 Spring: 2" Outside diameter x 5.75" Free Length.
- e) Rated load is the maximum load recommended.

## SRM-9-350 Heavy duty seismic restrained spring mounts

Model		Rated Load (lbs)	Deflection at Rated Load (lin)	Spring Rate (lbs/in)	Max. Combined Vertical / Horizontal G Rating	Spring Color
SRMT-9-350	SRMF-9-350	720	2	360		Red
SRMT-9-350-140	SRMF-9-350-140	1,440	2	720		Red/Black
SRMT-9-403	SRMF-9-403	3,132	2	1,566		Black
SRMT-9-404	SRMF-9-404	4,077	2	2,039		Blue
SRMT-9-405	SRMF-9-405	5,310	2	2,655		Red
SRMT-9-406	SRMF-9-406	6,084	2	3,042		Orange
SRMT-9-407	SRMF-9-407	7,083	2	3,542		Green
SRMT-9-408	SRMF-9-408	8,262	2	4,131		White
SRMT-9-409	SRMF-9-409	9,000	2	4,500		Brown
SRMT-9-410	SRMF-9-410	11,250	2	5,625		White
SRMT-9-407-150	SRMF-9-407-150	12,933	2	6,467		Green/Grey
SRMT-9-409-150	SRMF-9-409-150	14,850	2	7,425		Brown/Grey
SRMT-9-410-150	SRMF-9-410-150	17,100	2	8,550		White/Grey





## SRM-15-350 Heavy duty seismic restrained spring mounts

SRMT/SRMF series mounts are heavy-duty seismic restrained mounts with unique sliding channels designed to withstand lateral loads in combination with vertical loads.

There are two available configurations:

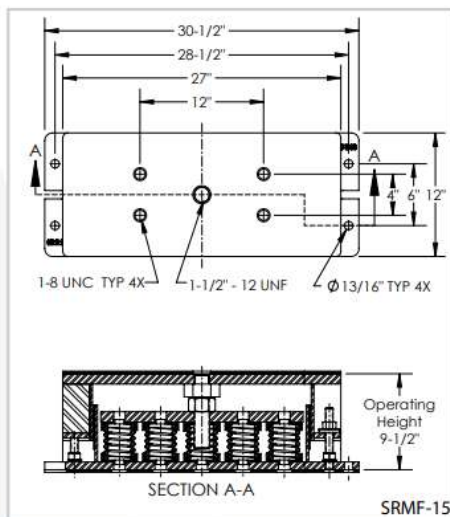
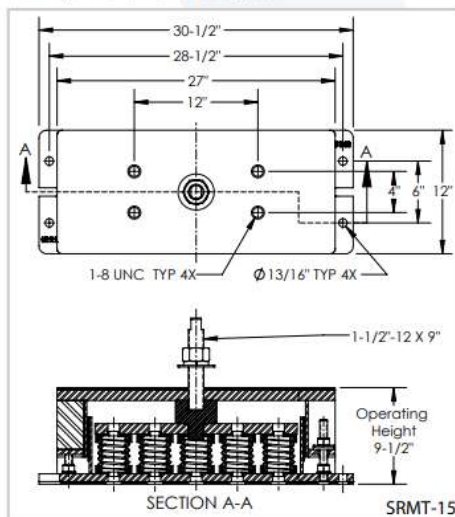
SRMF: flat top with an inside leveling adjustment feature

SRMT: bolted top with leveling adjustment feature

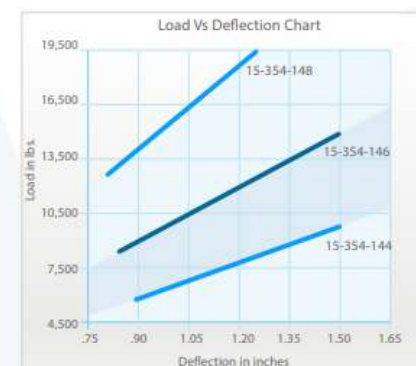
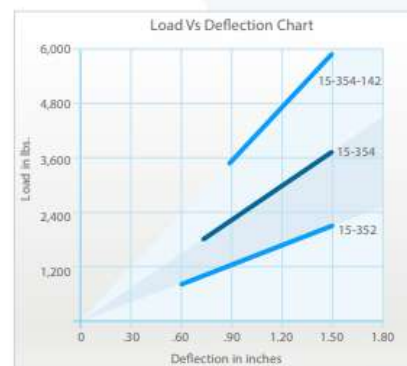


### Recommended for:

HVAC equipment, fan air circulation systems, compressors, pumps, chillers, AC units, cooling towers, inertia bases, etc.



Model	Rated Load (lbs)	Deflection at Rated Load (lin)	Spring Rate (lbs/in)	Max. Combined Vertical / Horizontal G Rating	Spring Color
SRMT-15-352 SRMF-15-352	2,100	1-1/2	1,400		Yellow
SRMT-15-354 SRMF-15-354	3,750	1-1/2	2,500		Purple
SRMT-15-354-142 SRMF-15-354-142	5,775	1-1/2	3,850		Purple/Blue
SRMT-15-354-144 SRMF-15-354-144	9,750	1-1/2	6,500		Purple/Brown
SRMT-15-354-146 SRMF-15-354-146	15,000	1-1/2	10,000		Purple/Yellow
SRMT-15-354-148 SRMF-15-354-148	19,500	1-1/4	15,600		Purple/Green



### Features:

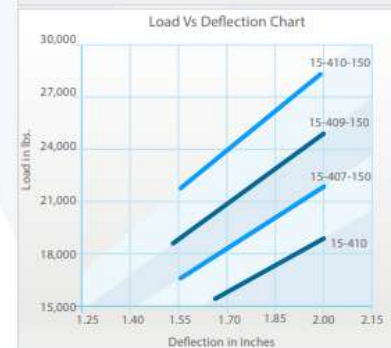
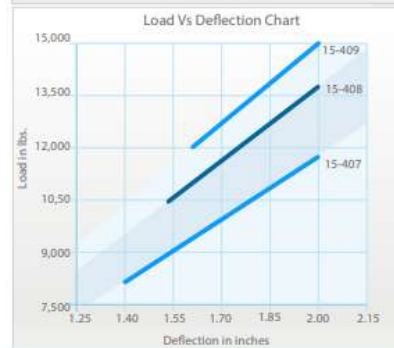
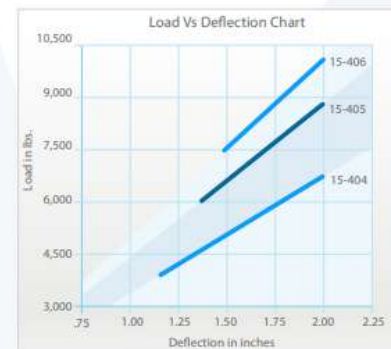
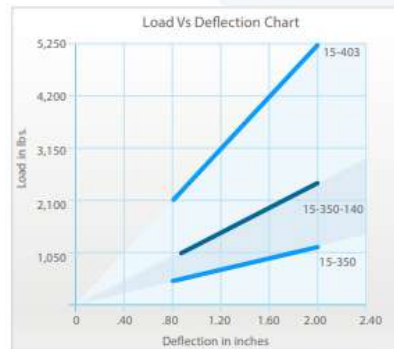
- ✓ All springs at rated loads have 50% additional travel to solid load.
- ✓ All mounts' elements are safe at solid load.
- ✓ Safety Factor - Springs will accommodate 50% extra load from rated load to solid load.
- ✓ Recommended load range: from 50% of rated load to rated load.
- ✓ Zinc plates housings and springs provide good corrosion resistance.
- ✓ Elastomer spring base cap provides better vibration isolation, load distribution and noise reduction.
- ✓ Springs are color coded and easily replaceable.
- ✓ Rugged welded steel housing designed to withstand seismic and high wind forces.
- ✓ Anti-skid rubber acoustical pad.

### Notes:

- a) 350 Spring: 3" Outside diameter x 5" Free Length.
- b) 140 Spring & 170 Spring: 2" Outside diameter x 5" Free Length.
- c) 400 Spring: 3" Outside diameter x 5.75" Free Length.
- d) 150 Spring: 2" Outside diameter x 5.75" Free Length.
- e) Rated load is the maximum load recommended.

## SRM-15-350 Heavy duty seismic restrained spring mounts

Model	Rated Load (lbs)	Deflection at Rated Load (lin)	Spring Rate (lbs/in)	Max. Combined Vertical / Horizontal G Rating	Spring Color
SRMT-15-350	SRMF-15-350	1,200	2	600	Red
SRMT-15-350-140	SRMF-15-350-140	2,400	2	1,200	Red/Black
SRMT-15-403	SRMF-15-403	5,220	2	2,610	Black
SRMT-15-404	SRMF-15-404	6,795	2	3,398	Blue
SRMT-15-405	SRMF-15-405	8,850	2	4,425	Red
SRMT-15-406	SRMF-15-406	10,140	2	5,070	Orange
SRMT-15-407	SRMF-15-407	11,805	2	5,903	Green
SRMT-15-408	SRMF-15-408	13,770	2	6,885	White
SRMT-15-409	SRMF-15-409	15,000	2	7,500	Brown
SRMT-15-410	SRMF-15-410	18,750	2	9,375	White
SRMT-15-407-150	SRMF-15-407-150	21,550	2	10,778	Green/Grey
SRMT-15-409-150	SRMF-15-409-150	24,750	2	12,375	Brown/Grey
SRMT-15-410-150	SRMF-15-410-150	28,500	2	14,250	White/Grey



## SMR-1-500 3" Deflection - Heavy duty seismic restrained spring mounts

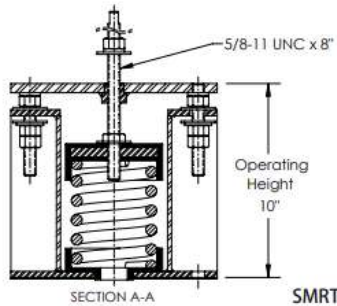
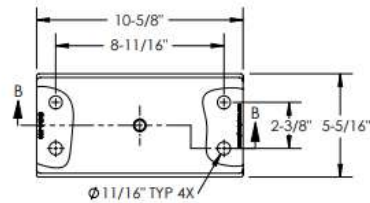
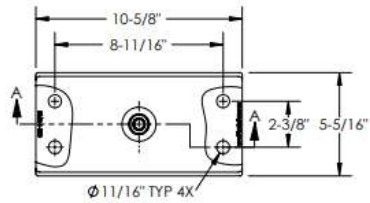
SMR-1-500 series mounts are heavy-duty seismic restrained mounts that are designed to withstand lateral loads in combination with vertical loads. There are two available configurations:

- SMRF: Flat top with an inside leveling adjustment feature
- SMRT: Top bolt with leveling adjustment feature

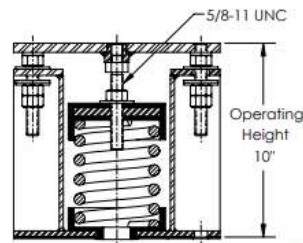


### Recommended for:

HVAC equipment, fan air circulation systems, compressors, pumps, chillers, AC units, cooling towers, inertia bases, etc.



SMRT-1-500

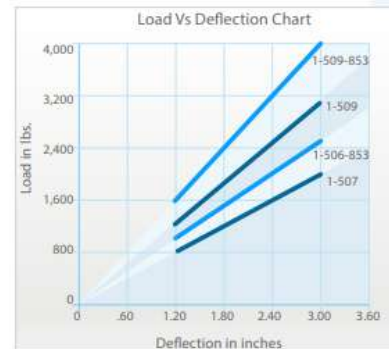


SMRF-1-500

### Features:

- ✓ All springs at rated load have 50% additional travel to solid load.
- ✓ All mounts' elements are safe at solid load.
- ✓ Safety Factor - Springs will accommodate 50% extra load from rated load to solid load.
- ✓ Recommended load range: from 50% of rated load to rated load.
- ✓ Springs are powder coated.
- ✓ Hot-dip galvanized housing provides excellent corrosion resistance.
- ✓ Elastomer base & top cups provide better vibration isolation, load distribution, and noise reduction.
- ✓ Springs are color coded for easy field identification.
- ✓ Rugged welded steel housing designed to withstand seismic and high wind forces.
- ✓ Anti-skid rubber acoustical pad.

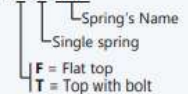
Model	Rated Load (lbs)	Deflection at Rated Load (in)	Spring Rate (lbs/in)	Max. G rating	Spring Color	
SMRT-1-500	SMRF-1-500	200	3	66.7	-	Black
SMRT-1-501	SMRF-1-501	400	3	133.3		Blue
SMRT-1-502	SMRF-1-502	600	3	200		Yellow
SMRT-1-503	SMRF-1-503	800	3	266.7		Orange
SMRT-1-504	SMRF-1-504	1,000	3	333.3		Red
SMRT-1-505	SMRF-1-505	1,200	3	400		White
SMRT-1-506	SMRF-1-506	1,500	3	500		Brown
SMRT-1-507	SMRF-1-507	2,000	3	666.7		Green
SMRT-1-506-853	SMRF-1-506-853	2,500	3	833.3		Brown/Grey
SMRT-1-509	SMRF-1-509	3,000	3	1,000		Grey
SMRT-1-509-853	SMRF-1-509-853	4,000	3	1,333.3		Grey/Grey



### Notes:

- Rated load is the maximum load recommended.
- 500 Springs: 4.4" Outside diameter x 8.5" Free Length.
- 853 Spring: 3" Outside diameter x 8.5" Free Length.
- Model nomenclature is described below.

### SMRF-1-507





## SMR-4-500 3" Deflection - Heavy duty seismic restrained spring mounts

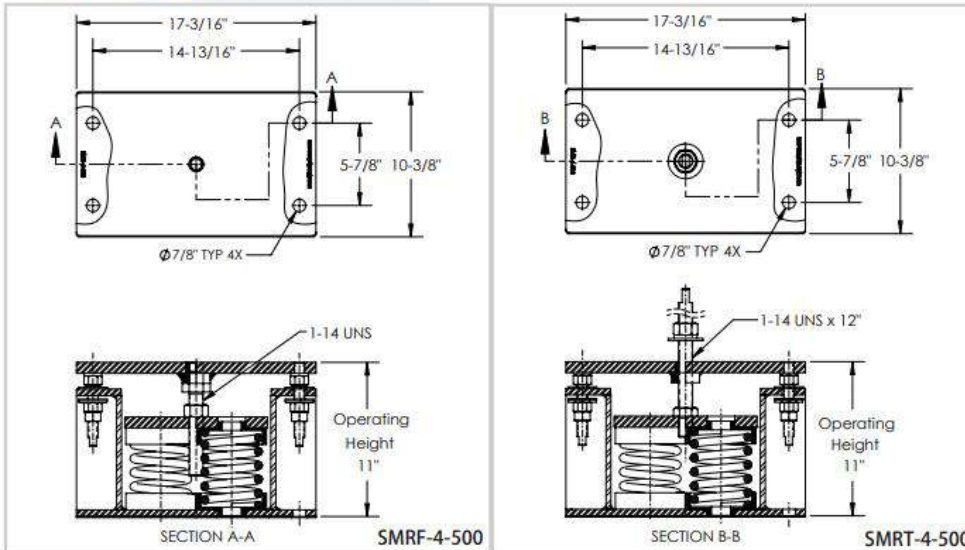
SMR-4-500 series mounts are heavy-duty seismic restrained mounts that are designed to withstand lateral loads in combination with vertical loads. There are two available configurations:

- SMRF: Flat top with an inside leveling adjustment feature
- SMRT: Top bolt with leveling adjustment feature



### Recommended for:

HVAC equipment, fan air circulation systems, compressors, pumps, chillers, AC units, cooling towers, inertia bases, etc.



### Features:

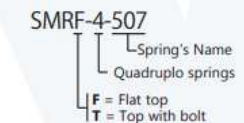
- ✓ All springs at rated load have 50% additional travel to solid load.
- ✓ All mounts' elements are safe at solid load.
- ✓ Safety Factor - Springs will accommodate 50% extra load from rated load to solid load.
- ✓ Recommended load range: from 50% of rated load to rated load.
- ✓ Springs are powder coated.
- ✓ Hot-dip galvanized housing provides excellent corrosion resistance.
- ✓ Elastomer base & top cups provide better vibration isolation, load distribution, and noise reduction.
- ✓ Springs are color coded for easy field identification.
- ✓ Rugged welded steel housing designed to withstand seismic and high wind forces.
- ✓ Anti-skid rubber acoustical pad.

Model	Rated Load (lbs)	Deflection at Rated Load (in)	Spring Rate (lbs/in)	Max. G rating	Spring Color	
SMRT-4-500	SMRF-4-500	800	3	266.7	-	Black
SMRT-4-501	SMRF-4-501	1,600	3	533.3		Blue
SMRT-4-502	SMRF-4-502	2,400	3	800		Yellow
SMRT-4-503	SMRF-4-503	3,200	3	1,066.7		Orange
SMRT-4-504	SMRF-4-504	4,000	3	1,333.3		Red
SMRT-4-505	SMRF-4-505	4,800	3	1,600		White
SMRT-4-506	SMRF-4-506	6,000	3	2,000		Brown
SMRT-4-507	SMRF-4-507	8,000	3	2,666.7		Green
SMRT-4-506-853	SMRF-4-506-853	10,000	3	3,333.3		Brown/Grey
SMRT-4-509	SMRF-4-509	12,000	3	4,000		Grey
SMRT-4-509-853	SMRF-4-509-853	16,000	3	5,333.3		Grey/Grey



### Notes:

- Rated load is the maximum load recommended.
- 500 Springs: 4.4" Outside diameter x 8.5" Free Length.
- 853 Spring: 3" Outside diameter x 8.5" Free Length.
- Model nomenclature is described below.



## CH Ceiling hangers

## WH Wire hangers

CH-Series ceiling hangers are economical alternatives to other types of hangers to isolate vibration from the suspended structure to the building.

WH-Wire hangers are very popular for installation of drop ceilings, light-weight piping, suspended fixtures, etc.



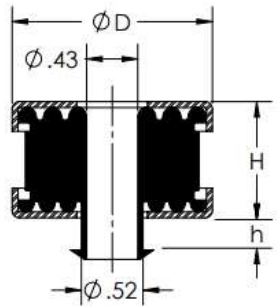
### Features:

- ✓ CH Series Plate ceiling hangers has a rubber element with collar to prevent metal to metal contact.
- ✓ Reduces transfer vibration and noise.
- ✓ Economical alternative to other type of plate ceiling hangers.
- ✓ Fast and simple installation.

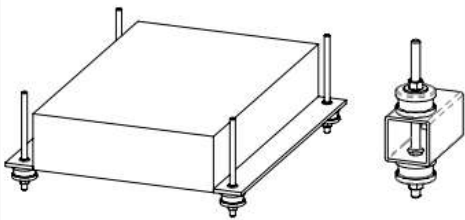
### Recommended for:

- Ceiling installation.
- Suspended building services in plenum ceiling spaces.

Model	Maximum Load (lbs)	Deflection at Max Load (in)	Dimensions in inches			Colour
			D	H	h	
CH-50	120	0.12	1.25	.75	.20	Black
CH-100	220	0.18	1.68	1	.25	Black



### Typical Installation



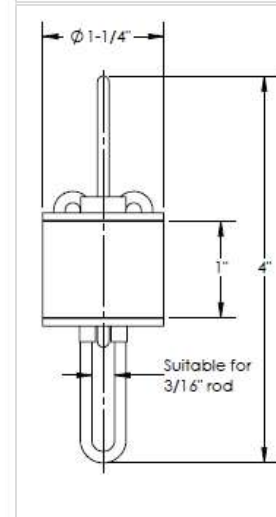
### Features:

- ✓ Rubber Element washer wire loops design is very popular for light duty installation.
- ✓ Reduces transfer vibration and noise.
- ✓ Economical alternative to other types of wire ceiling hangers.

### Recommended for:

- Ceiling installation.
- Suspended building services in plenum ceiling spaces.

Model	Hardness (Durometer)	Rated Load (lbs)	Deflection (in)	Colour
WH-50	40	100	0.20	Green
WH-100	60	200	0.20	Blue





## AVH Elastomer hangers

AVH Series are light duty economical hangers with small rubber elements fitted in steel housings. All metal AVH housing frames are painted for better resistance to corrosion.



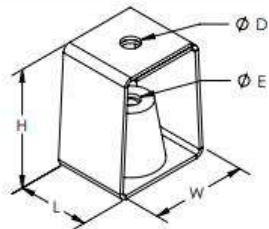
### Features:

- ✓ Light duty and very economical for less critical applications.
- ✓ Painted steel frame for better corrosion resistance.
- ✓ Fitted rubber inserts for better isolation of transferred vibrations and noise level reduction.

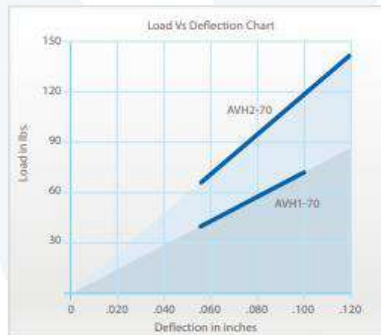
### Recommended for:

All hangers are used in installation of fans, A/C, pipes, ducts, transformers, air compressors, pumps, distribution cabinets, and other suspended structures and building services.

Model	Load Range (lbs)	Deflection (in)
AVH-1-70	40 - 70	.100
AVH-2-70	70 - 140	.120



Model	H (in)	W (in)	L (in)	D (in)	E (in)
AVH-1	2-1/2	2	1-1/2	3/8	1/4
AVH-2	3	2-1/4	2	1/2	1/2



## E1, E2, E3 Elastomer hangers

E1, E2, E3 Series ceiling hangers are economical alternatives to other types of hangers to isolate vibration from the suspended structure to the building.

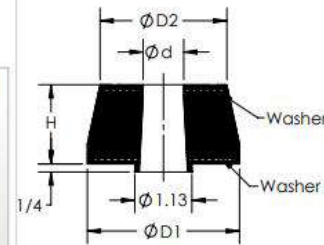


### Recommended for:

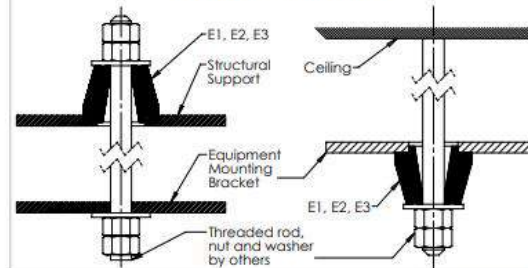
All ceiling hangers are used in installation of: fans, A/C, pipes, ducts, transformers, air compressors, pumps, power boxes, and other suspended equipment.

### Features:

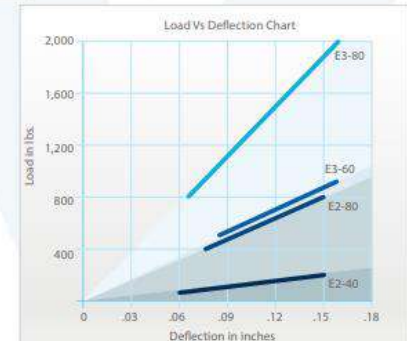
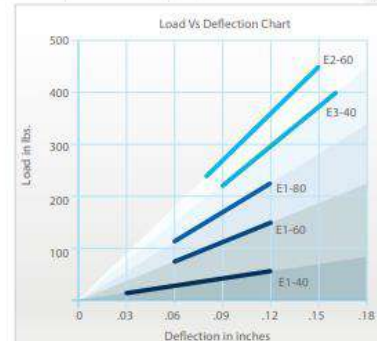
- ✓ Black elastomer element has vulcanized steel washers for uniform load distribution.
- ✓ Economical alternative to other type of plate ceiling hangers.
- ✓ Fast and simple installation.
- ✓ Reduces transfer vibration and noise.



### Typical Installation



Model	Maximum Load (lbs)	Deflection at Max Load (in)	Dimensions in inches			
			D1	D2	H	d
E1-40	60	.12	1.8	1.3	1.18	.52
E1-60	150	.12	1.8	1.3	1.18	.52
E1-80	225	.12	1.8	1.3	1.18	.52
E2-40	200	.15	2.4	2	1.5	.65
E2-60	450	.15	2.4	2	1.5	.65
E2-80	800	.15	2.4	2	1.5	.65
E3-40	400	.16	3	2.5	1.58	.82
E3-60	850	.16	3	2.5	1.58	.82
E3-80	2,000	.16	3	2.5	1.58	.82





## HA/B/C-E Elastomer hangers

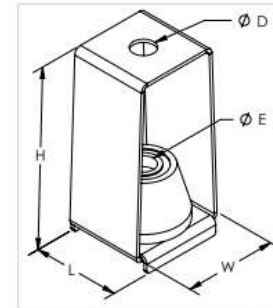
HA-E / HB-E / HC-E models are heavy duty hangers and incorporate a new design of steel housing, with the base's two sides bent down. This considerably increases the rigidity of the steel frame, eliminating the possibility of the bending of the frame's bottom plate under heavy loads. Elastomer element have vulcanized steel washers in the top and bottom of the rubber cups, providing even and uniform load distribution on the bottom plate of the steel housing. This elastomer element reduce the transfer of vibration and noise.



### Recommended for:

Elastomer hangers are used in installation of: fan coil units, air circulation units, pipes, ducts, transformers, air compressors, pumps, power boxes, and other suspended structures and building services.

Model	Rated Load (lbs)	Deflection at Rated Load (in)	Spring Rate (lbs/in)	Dimensions in inches				
				H	W	L	D	E
HA-E1-40	60	.12	500	4-1/4	2-1/8	2	1/2	1/2
HA-E1-60	150	.12	1,250	4-1/4	2-1/8	2	1/2	1/2
HA-E1-80	225	.12	1,875	4-1/4	2-1/8	2	1/2	1/2
HB-E2-40	200	.15	1,330	5-1/8	2-7/8	2-3/4	5/8	5/8
HB-E2-60	450	.15	3,000	5-1/8	2-7/8	2-3/4	5/8	5/8
HB-E2-80	800	.15	5,330	5-1/8	2-7/8	2-3/4	5/8	5/8
HC-E3-40	400	.16	2,500	8-3/4	3-1/2	3-1/4	5/8	3/4
HC-E3-60	850	.16	5,300	8-3/4	3-1/2	3-1/4	5/8	3/4
HC-E3-80	2,000	.16	12,500	8-3/4	3-1/2	3-1/4	5/8	3/4

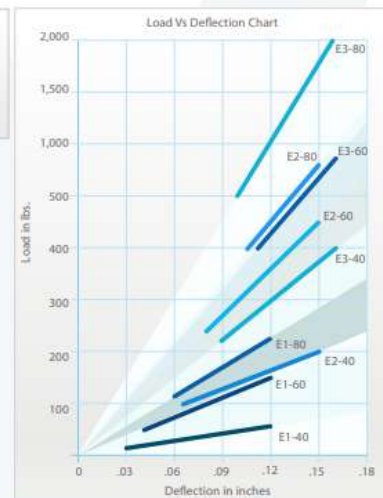
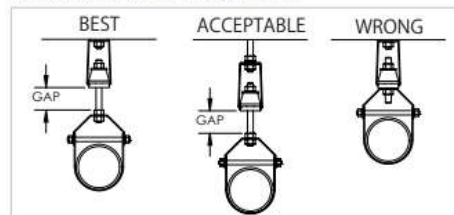


### Features:

- ✓ Black elastomer element has vulcanized steel washers for uniform load distribution.
- ✓ Standard design allows angular misalignment of 15°.
- ✓ Housing is yellow zinc plated for better corrosion resistance.

### Installation Instructions:

In order to allow isolators to operate efficiently install hangers with a gap as shown below. Hangers are designed to allow to compensate minor misalignments.



## HA-S Spring hangers

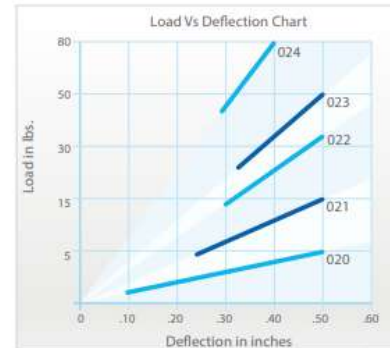
HA-S models are heavy duty hangers and incorporate a new design of steel housing, with the base's two sides bent down. This considerably increases the rigidity of the steel frame, eliminating the possibility of the bending of the frame's bottom plate under heavy loads. Elastomer cups at the base and top of the spring have vulcanized steel washers to provide even and uniform load distribution on the bottom plate of the steel housing. These elastomer cups reduce the transfer of vibration and noise.



### Recommended for:

Spring hangers are used for fan coil units, air circulation units, pipes, ducts, and other suspended structures and building services.

Model	Rated Load (lbs)	Deflection at Rated Load (in)	Spring Rate (lbs/in)	Spring Color
HA-S-020	5	.50	10	Black
HA-S-021	15	.50	30	Blue
HA-S-022	35	.50	70	Red
HA-S-023	50	.50	100	Yellow
HA-S-024	80	.40	200	White



### Notes:

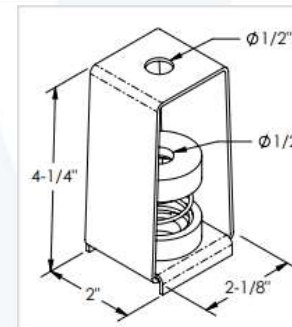
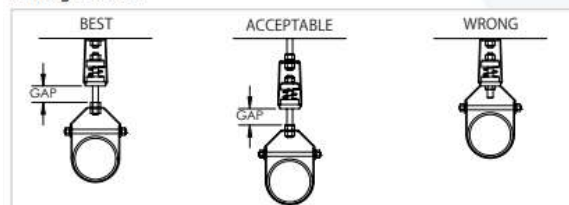
- a) Spring: 1.25" Outside diameter x 1.5" Free Length.
- b) Rated load is the maximum load recommended.

### Features:

- ✓ All hangers' elements are safe at solid load.
- ✓ Springs are color-coded and easily replaceable.
- ✓ Housing is yellow zinc plated for better corrosion resistance.
- ✓ All springs at rated load have 50% additional travel to solid load.
- ✓ Safety factor - Springs will accommodate 50% extra load from rated load to solid load.

### Installation Instructions:

In order to allow isolators to operate efficiently install hangers with a gap as shown below. Hangers are designed to allow to compensate minor misalignments.



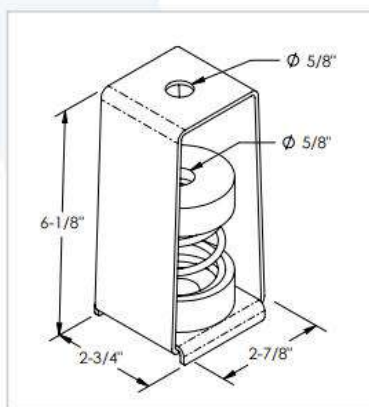
## HB-S Spring hangers

HB-S models are heavy duty hangers and incorporate a new design of steel housing, with the base's two sides bent down. This considerably increases the rigidity of the steel frame, eliminating the possibility of the bending of the frame's bottom plate under heavy loads. Elastomer cups at the base and top of the spring have vulcanized steel washers to provide even and uniform load distribution on the bottom plate of the steel housing. These elastomer cups reduce the transfer of vibration and noise.

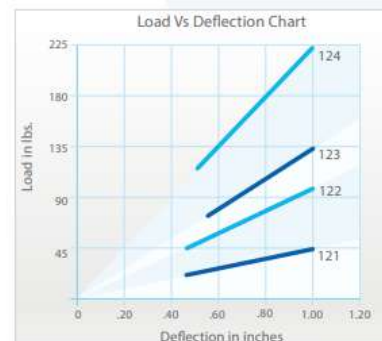


### Recommended for:

Spring hangers are used for fan coil units, air circulation units, pipes, ducts, and other suspended structures and building services.



Model	Rated Load (lbs)	Deflection at Rated Load (inch)	Spring Rate (lbs/in)	Color
HB-S-121	45	1	45	Grey
HB-S-122	100	1	100	Black
HB-S-123	135	1	135	Pink
HB-S-124	225	1	225	Blue
HB-S-125	330	.75	440	Red
HB-S-126	520	1	520	Brown
HB-S-127	600	.75	800	Yellow
HB-S-128	950	.75	1,265	Green



### Features:

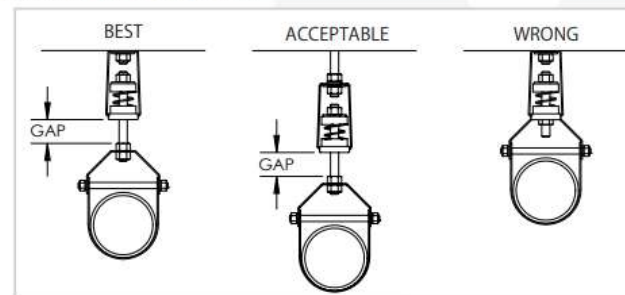
- ✓ All hangers' elements are safe at solid load.
- ✓ All springs at rated load have 50% additional travel to solid load.
- ✓ Springs are color-coded and easily replaceable.
- ✓ Safety factor - Springs will accommodate 50% extra load from rated load to solid load.
- ✓ Housing is yellow zinc plated for better corrosion resistance.

### Notes:

- a) 120 Springs: 2" Outside diameter x 2.75" Free Length.
- b) Rated load is the maximum load recommended.

### Installation Instructions:

In order to allow isolators to operate efficiently install hangers with a gap as shown below. Hangers are designed to allow to compensate minor misalignments.





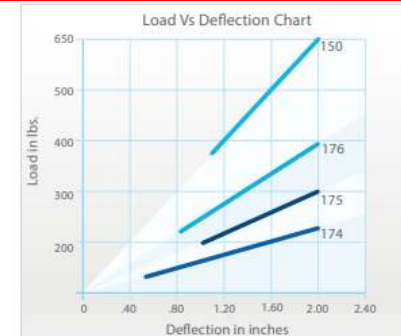
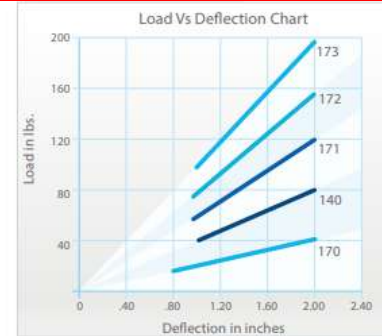
## HC-S Spring hangers

HC-S models are heavy duty hangers and incorporate a new design of steel housing, with the base's two sides bent down. This considerably increases the rigidity of the steel frame, eliminating the possibility of the bending of the frame's bottom plate under heavy loads. Elastomer cups at the base and top of the spring have vulcanized steel washers to provide even and uniform load distribution on the bottom plate of the steel housing. These elastomer cups reduce the transfer of vibration and noise.



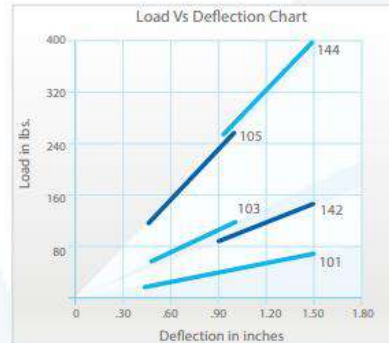
### Recommended for:

Spring hangers are used for fan coil units, air circulation units, pipes, ducts, and other suspended structures and building services.



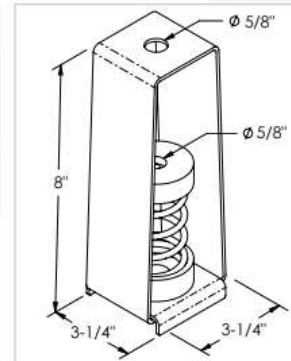
### 1" Deflection

Model	Rated Load (lbs)	Deflection at Rated Load (inch)	Spring Rate (lbs/in)	Color
HC-S-101	75	1.5	50	Blue
HC-S-103	120	1	120	Brown
HC-S-142	135	1.5	90	Blue
HC-S-105	270	1	270	Yellow
HC-S-144	400	1.5	266	Brown
HC-S-107	650	1	650	Green
HC-S-111	800	.75	1,066	White
HC-S-146	850	1.5	566	Yellow
HC-S-109	1,000	.84	1,190	Plated
HC-S-148	1,250	1.25	1,000	Green



### Features:

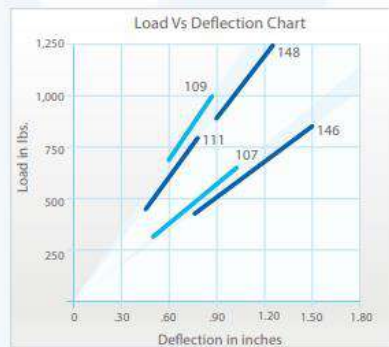
- ✓ All springs at rated load have 50% additional travel to solid load.
- ✓ Housing is yellow zinc plated for better corrosion resistance.
- ✓ Safety factor - Springs will accommodate 50% extra load from rated to solid load.
- ✓ All hangers' elements are safe at solid load.
- ✓ Springs are color-coded and easily replaceable.



- Notes:
- a) 100 Spring: 2" Outside diameter x 4" Free Length.
  - b) 140 Spring & 170 Spring: 2" Outside diameter x 5" Free Length.
  - c) 150 Spring: 2" Outside diameter x 5-3/4" Free Length.
  - d) Rated load is the maximum load recommended.

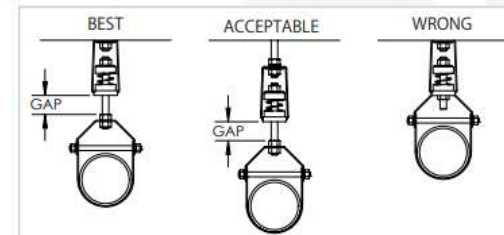
### 2" Deflection

Model	Rated Load (lbs)	Deflection at Rated Load (inch)	Spring Rate (lbs/in)	Color
HC-S-170	43	2	21.5	Blue
HC-S-140	80	2	40	Black
HC-S-171	120	2	60	Red
HC-S-172	155	2	77.5	Orange
HC-S-173	195	2	97.5	Green
HC-S-174	236	2	118	White
HC-S-175	300	2	150	Brown
HC-S-176	395	2	197.5	Black
HC-S-150	650	2	325	Grey



### Installation Instructions:

In order to allow isolators to operate efficiently install hangers with a gap as shown below. Hangers are designed to allow to compensate minor misalignments.



## HD-S Spring hangers

HD-S models are heavy duty hangers and incorporate a new design of steel housing, with the base's two sides bent down. This considerably increases the rigidity of the steel frame, eliminating the possibility of the bending of the frame's bottom plate under heavy loads. Elastomer cups at the base and top of the spring have vulcanized steel washers to provide even and uniform load distribution on the bottom plate of the steel housing. These elastomer cups reduce the transfer of vibration and noise.

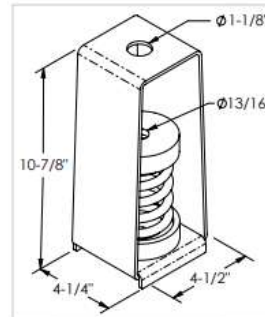


### Recommended for:

Spring hangers are used for fan coil units, air circulation units, pipes, ducts, and other suspended structures and building services.

### Features:

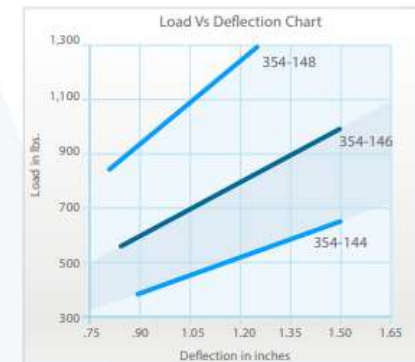
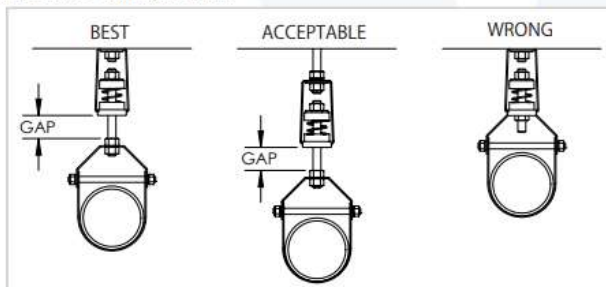
- ✓ All springs at rated load have 50% additional travel to solid load.
- ✓ Housing is yellow zinc plated for better corrosion resistance.
- ✓ Safety factor - Springs will accommodate 50% extra load from rated load to solid load.
- ✓ All hangers' elements are safe at solid load.
- ✓ Springs are color-coded and easily replaceable.



Model	Rated Load (lbs)	Deflection at Rated Load (lin)	Spring Rate (lbs/in)	Spring Color
HD-S-352	140	1-1/2	93	Yellow
HD-S-354	250	1-1/2	167	Purple
HD-S-354-142	385	1-1/2	257	Purple/Blue
HD-S-354-144	650	1-1/2	433	Purple/Brown
HD-S-354-146	1,000	1-1/2	667	Purple/Yellow
HD-S-354-148	1,300	1-1/4	867	Purple/Green

### Installation Instructions:

In order to allow isolators to operate efficiently install hangers with a gap as shown below. Hangers are designed to allow to compensate minor misalignments.

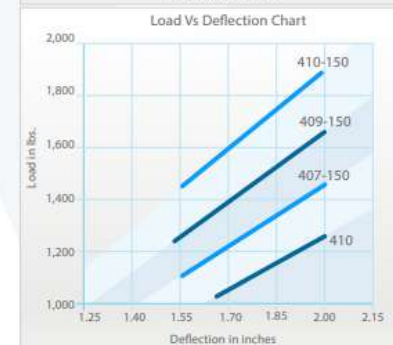
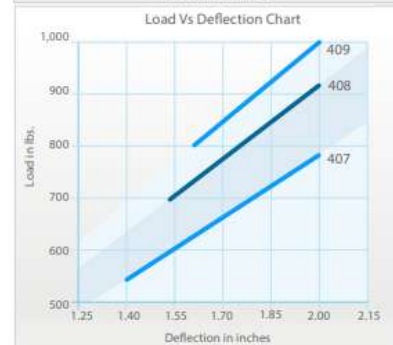
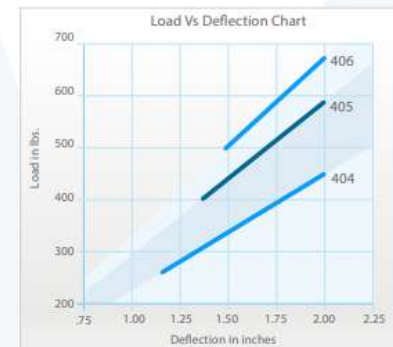
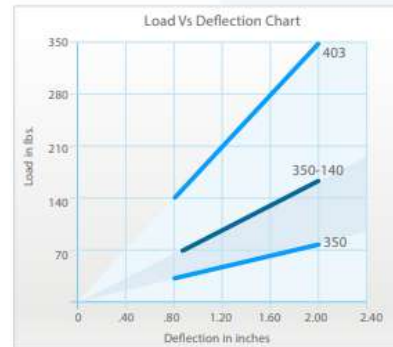


### Notes:

- a) 350 Spring: 3" Outside diameter x 5" Free Length.
- b) 140 Spring & 170 Spring: 2" Outside diameter x 5" Free Length.
- c) 400 Spring: 3" Outside diameter x 5.75" Free Length.
- d) 150 Spring: 2" Outside diameter x 5.75" Free Length.
- e) Rated load is the maximum load recommended.

## HD-S Spring hangers

Model	Rated Load (lbs)	Deflection at Rated Load (lin)	Spring Rate (lbs/in)	Spring Color
HD-S-350	80	2	40	Red
HD-S-350-140	160	2	80	Red/Black
HD-S-403	348	2	174	Black
HD-S-404	453	2	226	Blue
HD-S-405	590	2	295	Red
HD-S-406	676	2	338	Orange
HD-S-407	787	2	393	Green
HD-S-408	918	2	459	White
HD-S-409	1,000	2	500	Brown
HD-S-410	1,250	2	625	White
HD-S-407-150	1,437	2	718	Green/Grey
HD-S-409-150	1,650	2	825	Brown/Grey
HD-S-410-150	1,900	2	950	White/Grey





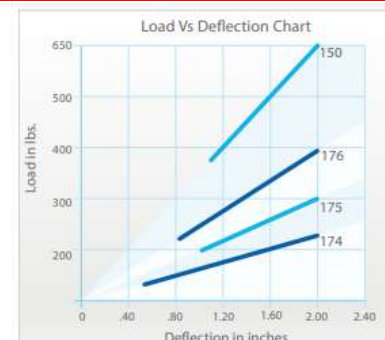
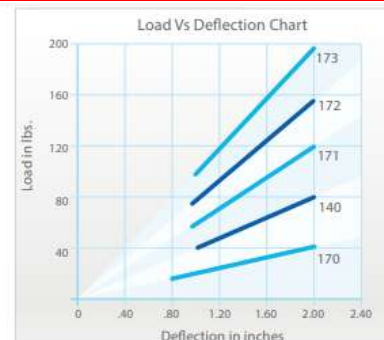
## HC-S-E Spring & Elastomer hangers

HC-S-E models are heavy duty hangers and incorporate a new design of steel housing, with the base's two sides bent down. This considerably increases the rigidity of the steel frame, eliminating the possibility of the bending of the frame's bottom plate under heavy loads. These hangers have three elastomer parts. The top and bottom spring's rubber cups have vulcanized steel washers for even load distribution. The bottom cup has a locator rubber ring to center the cup and spring in the hanger's housing. The third part is an elastomer element with the rubber ring to center the element in the top opening of the housing's frame. Depending on the load, different sizes and hardness of the elements are recommended and available. These elastomer cups reduce the transfer of vibration and noise.



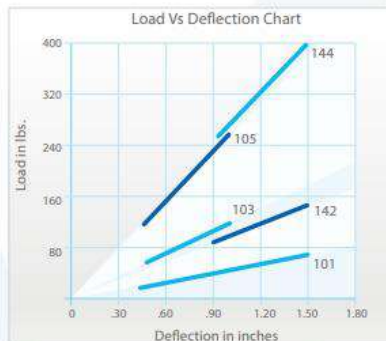
### Recommended for:

Spring hangers are used for fan coil units, air circulation units, pipes, ducts, and other suspended structures and building services.



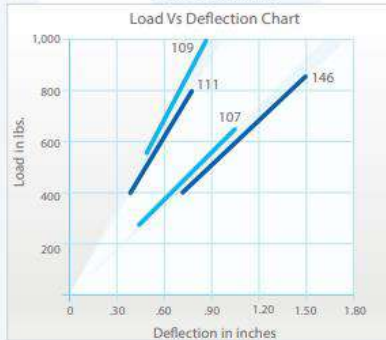
### 1" Deflection

Model	Rated Load (lbs)	Deflection at Rated Load (inch)	Spring Rate (lbs/in)	Color
HC-S-101-E2-40	75	1.5	50	Blue
HC-S-103-E2-60	120	1	120	Brown
HC-S-142-E2-40	135	1.5	90	Blue
HC-S-105-E2-60	270	1	270	Yellow
HC-S-144-E2-60	400	1.5	266	Brown
HC-S-107-E2-60	650	1	650	Green
HC-S-111-E2-80	800	.75	1,066	White
HC-S-146-E2-80	850	1.5	566	Yellow
HC-S-109-E2-80	1,000	.84	1,190	Plated



### 2" Deflection

Model	Rated Load (lbs)	Deflection at Rated Load (inch)	Spring Rate (lbs/in)	Color
HC-S-170-E2-40	43	2	21.5	Blue
HC-S-140-E2-40	80	2	40	Black
HC-S-171-E2-40	120	2	60	Red
HC-S-172-E2-40	155	2	77.5	Orange
HC-S-173-E2-60	195	2	97.5	Green
HC-S-174-E2-60	236	2	118	White
HC-S-175-E2-60	300	2	150	Brown
HC-S-176-E2-60	395	2	197.5	Black
HC-S-150-E2-80	650	2	325	Grey

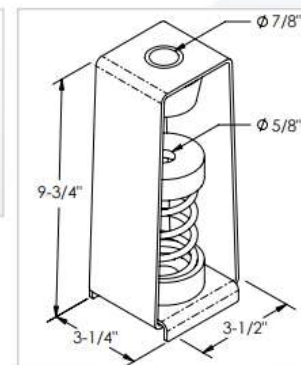


### Features:

- ✓ All springs at rated load have 50% additional travel to solid load.
- ✓ Housing is yellow zinc plated for better corrosion resistance.
- ✓ Safety factor - Springs will accommodate 50% extra load from rated to solid load.
- ✓ All hangers' elements are safe at solid load.
- ✓ Springs are color-coded and easily replaceable.

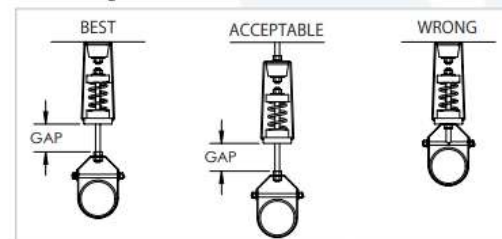
### Notes:

- 100 Spring: 2" Outside diameter x 4" Free Length.
- 140 Spring & 170 Spring: 2" Outside diameter x 5" Free Length.
- 150 Spring: 2" Outside diameter x 5-3/4" Free Length.
- Rated load is the maximum load recommended.



### Installation Instructions:

In order to allow isolators to operate efficiently install hangers with a gap as shown below. Hangers are designed to allow to compensate minor misalignments.



## HD-S-E Spring & Elastomer hangers

HC-S-E models are heavy duty hangers and incorporate a new design of steel housing, with the base's two sides bent down. This considerably increases the rigidity of the steel frame, eliminating the possibility of the bending of the frame's bottom plate under heavy loads. These hangers have three elastomer parts. The top and bottom spring's rubber cups have vulcanized steel washers for even load distribution. The bottom cup has a locator rubber ring to center the cup and spring in the hanger's housing. The third part is an elastomer element with the rubber ring to center the element in the top opening of the housing's frame. Depending on the load, different sizes and hardness of the elements are recommended and available. These elastomer cups reduce the transfer of vibration and noise.

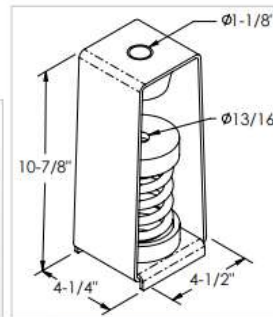


### Recommended for:

Spring hangers are used for fan coil units, air circulation units, pipes, ducts, and other suspended structures and building services.

### Features:

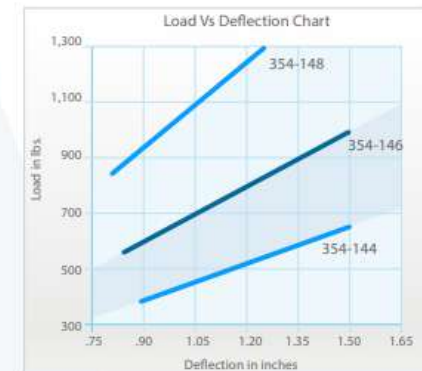
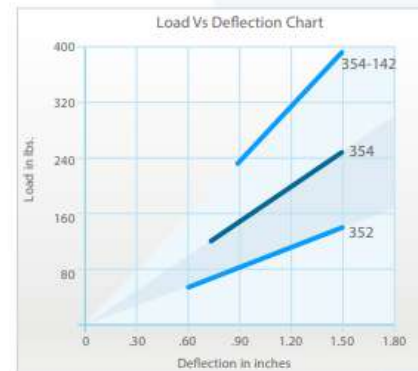
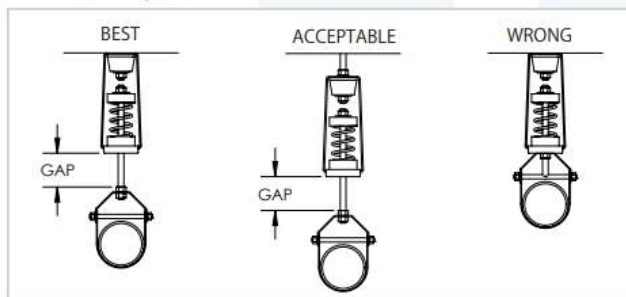
- ✓ All springs at rated load have 50% additional travel to solid load.
- ✓ Housing is yellow zinc plated for better corrosion resistance.
- ✓ Safety factor - Springs will accommodate 50% extra load from rated load to solid load.
- ✓ All hangers' elements are safe at solid load.
- ✓ Springs are color-coded and easily replaceable.



Model	Rated Load (lbs)	Deflection at Rated Load (lin)	Spring Rate (lbs/in)	Spring Color
HD-S-352-E3-40	140	1-1/2	93	Yellow
HD-S-354-E3-40	250	1-1/2	167	Purple
HD-S-354-142-E3-40	385	1-1/2	257	Purple/Blue
HD-S-354-144-E3-80	650	1-1/2	433	Purple/Brown
HD-S-354-146-E3-80	1,000	1-1/2	667	Purple/Yellow
HD-S-354-148-E3-80	1,300	1-1/4	867	Purple/Green

### Installation Instructions:

In order to allow isolators to operate efficiently install hangers with a gap as shown below. Hangers are designed to allow to compensate minor misalignments.

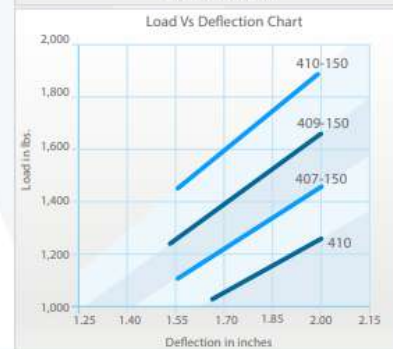
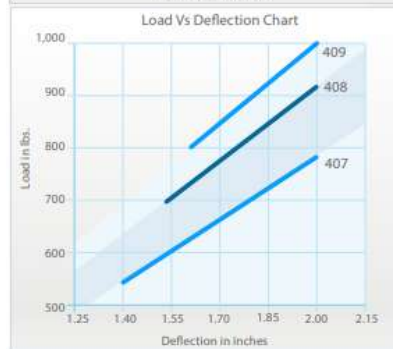
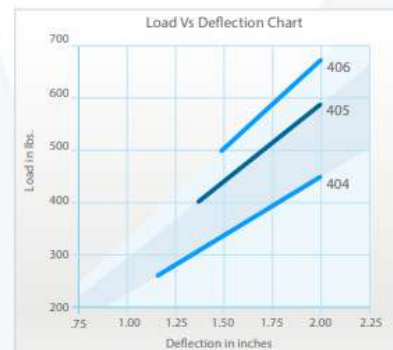
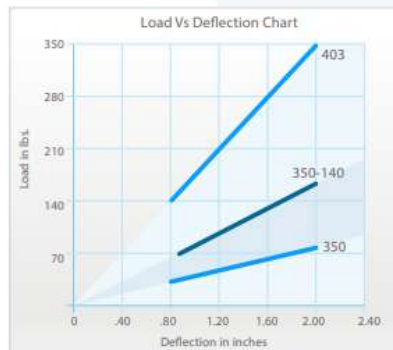


### Notes:

- a) 350 Spring: 3" Outside diameter x 5" Free Length.
- b) 140 Spring & 170 Spring: 2" Outside diameter x 5" Free Length.
- c) 400 Spring: 3" Outside diameter x 5.75" Free Length.
- d) 150 Spring: 2" Outside diameter x 5.75" Free Length.
- e) Rated load is the maximum load recommended.

## HD-S-E Spring & Elastomer hangers

Model	Rated Load (lbs)	Deflection at Rated Load (lin)	Spring Rate (lbs/in)	Spring Color
HD-S-350-E3-40	80	2	40	Red
HD-S-350-140-E3-40	160	2	80	Red/Black
HD-S-403-E3-40	348	2	174	Black
HD-S-404-E3-40	453	2	226	Blue
HD-S-405-E3-60	590	2	295	Red
HD-S-406-E3-60	676	2	338	Orange
HD-S-407-E3-60	787	2	393	Green
HD-S-408-E3-60	918	2	459	White
HD-S-409-E3-80	1,000	2	500	Brown
HD-S-410-E3-80	1,250	2	625	White
HD-S-407-150-E3-80	1,437	2	718	Green/Grey
HD-S-409-150-E3-80	1,650	2	825	Brown/Grey
HD-S-410-150-E3-80	1,900	2	950	White/Grey





## ECRMP Easy cut pads

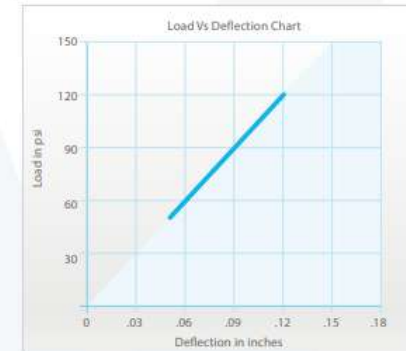
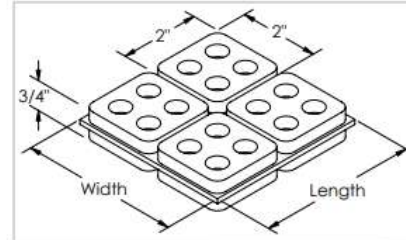
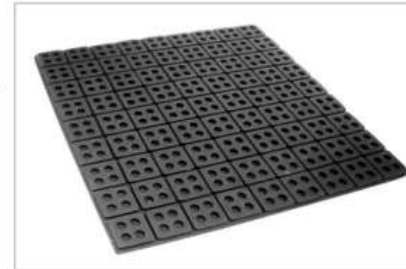
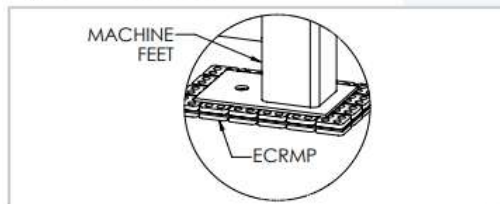
VibraSystem Inc. ECRMP Pad is one of the most efficient and versatile Pads on the market. The anti-skid design with its suction cup eliminates the need for bolting down. The primary vibration absorption material is Neoprene for moderate oil resistance. The 2" squares are separated by a thin web that is easily cut. For applications where greater isolation efficiency is required ECRMP Pads could be glued with steel plates in the middle to create blocks/shims.

### Recommended for:

The ECRMP Pad is suitable for applications where bolting is to be avoided and minor non-critical vibration conditions exist. It is also recommended for HVAC, motors, pumps, generators, air conditioning units, chillers, machine shop machines, etc.

Model	Load Range per square inch (psi)	Dimensions in inches		
		Length (in)	Width (in)	Thickness (in)
ECRMP-0202	50 - 120	2	2	3/4
ECRMP-0404	50 - 120	4	4	3/4
ECRMP-0606	50 - 120	6	6	3/4
ECRMP-0808	50 - 120	8	8	3/4
ECRMP-1010	50 - 120	10	10	3/4
ECRMP-1212	50 - 120	12	12	3/4
ECRMP-1818	50 - 120	18	18	3/4

### Typical Installation:



### Features:

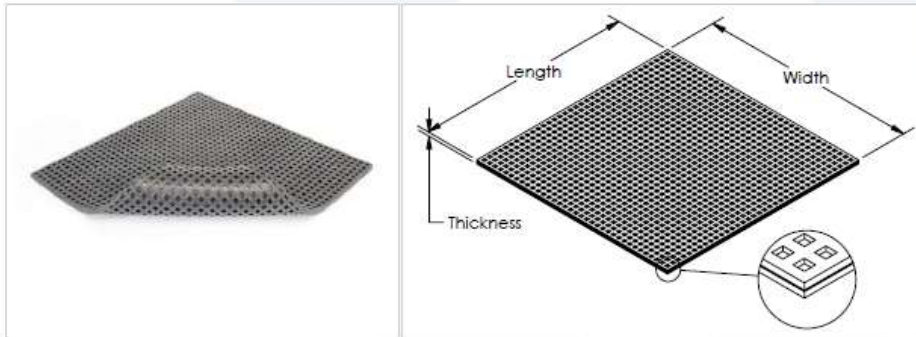
- ✓ Anti-skid surfaces through suction cup construction.
- ✓ Reduce noise and minor vibrations.
- ✓ Can be reused when machines are relocated.
- ✓ Easy-cut design allows flexibility of Pad size.
- ✓ No bolting required.
- ✓ Simple field installation.

## VP Waffle design pads

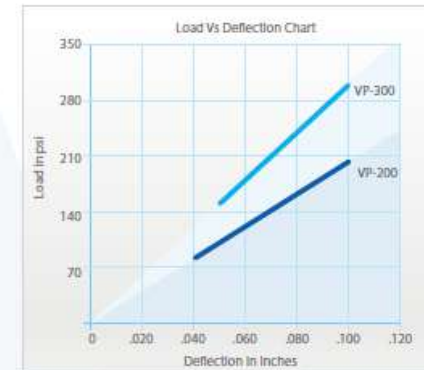
VibraSystem Inc. VP Waffle Pad is the simplest and most inexpensive way to isolate vibration, shock and reduce noise level. The VP Pad has two sided waffle design that allows material expansion without loss of stability, providing maximum resilience and minimal creep.

### Recommended for:

The VP Waffle Pad is suitable for use in machine shops under lathes, milling machines, drill presses, grinders, and metal fabricating equipment. It is also recommended for HVAC, motors, generators and for utility use as shims and blocks.



Model	Maximum Load per square inch (psi)	Dimensions in Inches			Color
		Length (in)	Width (in)	Thickness (in)	
VP-0303-3/8	25	3	3	3/8	Black
VP-0404-1/2	25	4	4	1/2	Black
VP-25	25	18	18	5/16	Black
VP-50	50	18	18	5/16	Black
VP-100	100	18	18	5/16	Black
VP-200	200	18	18	1/2	Black
VP-300	300	18	18	1/2	Black

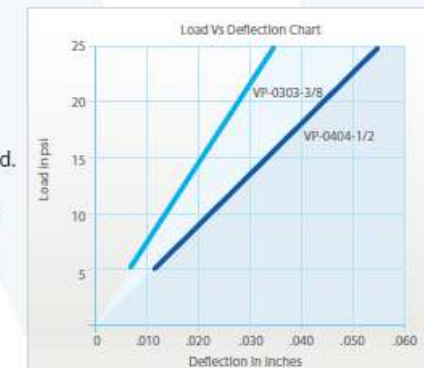


### Features:

- ✓ VP Waffle Pad is made of Neoprene blend and it is resistant to oil and solvents.
- ✓ Increases machine accuracy and extends life of machinery and tools.
- ✓ Firmly anchors the machine to the floor, preventing creeping or walking.
- ✓ Controls vibration, shock and noise.
- ✓ Can be reused when machines are relocated.
- ✓ Save on installation costs, no cementing required.
- ✓ Easily cut to size with a sharp utility knife.
- ✓ Isolates vertical and horizontal forces from transfer to the support structure.

### Note:

1. Table is showing the standard sizes. We can cut to different sizes and shapes; labour charges applied.
2. For proper installation allow 1/2" margin on all sides to provide firm footing. Lift the machine to be isolated and slide the vibration isolating Pads under each mounting point.



## CRMP Cork pads

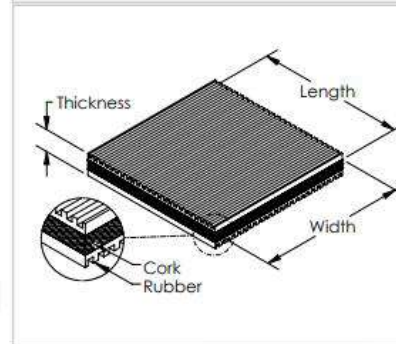
### CRMP Series

VibraSystem Inc. CRMP Cork Rubber Mounting Pad is designed to solve problems caused by structure born vibration and noise. Constructed of cork with opposed ribbed pads on either sides for added isolation and positive grip.

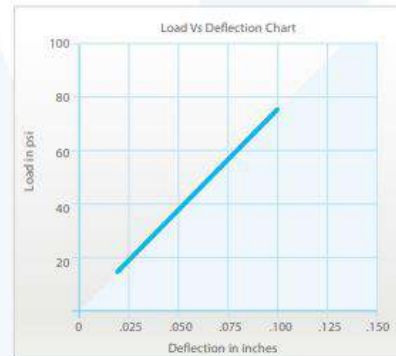
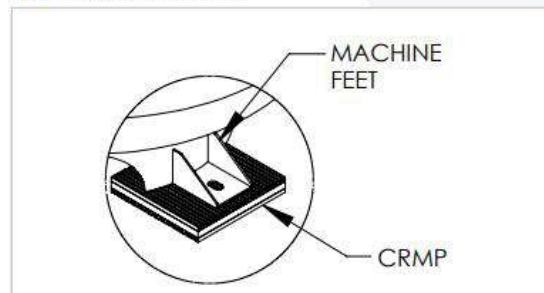
### Recommended for:

The CRMP Pad is suitable for applications where bolting is to be avoided and minor non-critical vibration conditions exist. It is also recommended for indoors applications such as compressors, blowers, AC units chillers, pumps, etc.

Model	Load Range per square inch (psi)	Dimensions in inches		
		Length (in)	Width (in)	Thickness (in)
CRMP-0202	15 - 75	2	2	1
CRMP-0303	15 - 75	3	3	1
CRMP-0404	15 - 75	4	4	1
CRMP-0606	15 - 75	6	6	1
CRMP-0808	15 - 75	8	8	1
CRMP-1212	15 - 75	12	12	1
CRMP-1818	15 - 75	18	18	1



### Typical Installation:



### Features:

- ✓ Excellent product for acoustic problems applications.
- ✓ Anti-skid surfaces through ribbed construction.
- ✓ Simple field installation / No bolting required.
- ✓ Working Range: 15 to 75 psi.
- ✓ Material: Special Rubber with low density cork.



## SRMP Steel rubber pads

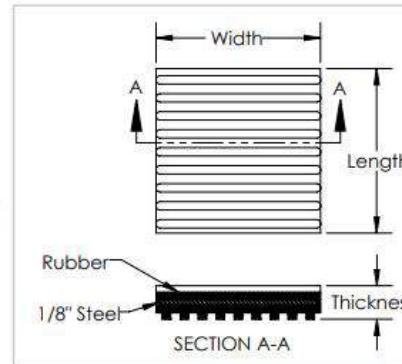
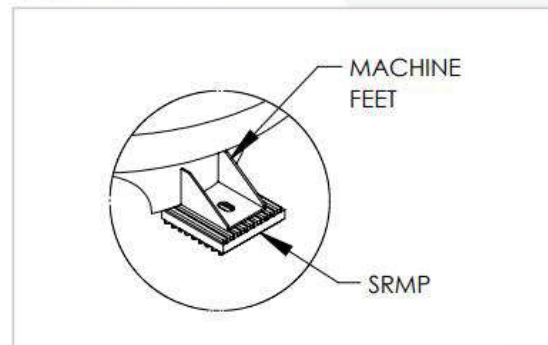
VibraSystem Inc. SRMP are Pads made of special rubber with a middle layer of mild steel plate. The design incorporates the main feature of a ribbed top and bottom surface for better non-slip grip.

### Recommended for:

The SRMP Pad is suitable for applications where bolting is to be avoided and minor non-critical vibration conditions exist. It is also recommended for pumps, chillers, boilers, etc.

Model	Load Range per square inch (psi)	Dimensions in inches		
		Length (in)	Width (in)	Thickness (in)
SRMP-0303	50 - 250	3	3	3/4
SRMP-0404	50 - 250	4	4	7/8
SRMP-0606	50 - 250	6	6	7/8

### Typical Installation:



### Features:

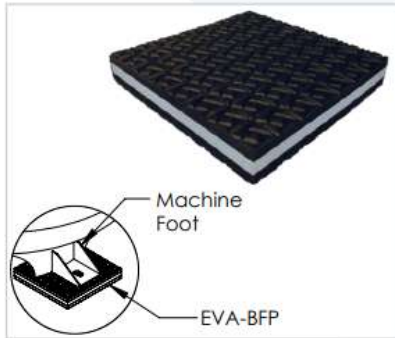
- ✓ Molded metal rib construction for reliability, longevity, and even weight distribution.
- ✓ Simple field installation / No bolting required.
- ✓ 15% Deflection at Maximum Load, .125" (3.1mm)
- ✓ Working Range: 50 to 250 psi.
- ✓ Material: Special Rubber.

## EVA-BFP Foam pads

VibraSystem Inc. EVA-BFP Blue Foam Pad is made from closed micro-cellular rubber foam layers with different densities. The blue middle layer is softer to provide optimal deflection, better vibration and noise reduction. The top and bottom black cores are higher density foam with a patterned top surface for better non-slip grip. All three layers are thermally fused for a permanent bond that does not separate under the load and is water and chemical resistant.

### Recommended for:

The EVA-BFP Pad is suitable for applications where bolting is to be avoided and minor non-critical vibration conditions exist. It is also recommended for outside use (HVAC, motors, pumps, generators, air conditioning units, chillers, etc).



### Features:

- ✓ Eco friendly - free from sulphur, halogens, formaldehydes, phthalates and other toxins.
- ✓ Fully recyclable - does not generate toxins, carcinogens or soot when incinerated.
- ✓ Excellent resistance to oils, water and ozone.
- ✓ Excellent product for acoustic problems applications.
- ✓ Recommended working range: 5 psi to 20 psi
- ✓ Negligible water and water vapor absorption. Mold, mildew and bacteria resistant.
- ✓ Working temperature range -70 F to 180 F.

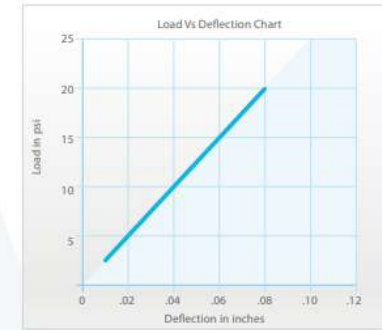
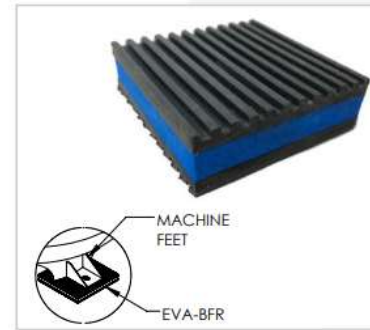
Model	Load Range per square inch (psi)	Dimensions in inches			Color
		Length (in)	Width (in)	Thickness (in)	
EVA-BFP-0303	5 - 20	3	3	1	Black / Blue
EVA-BFP-0404	5 - 20	4	4	1	Black / Blue
EVA-BFP-0606	5 - 20	6	6	1	Black / Blue
EVA-BFP-1818	5 - 20	18	18	1	Black / Blue

## EVA-BFR Foam rubber pads

VibraSystem Inc. EVA-BFR Blue Foam Rubber Pad is a general purpose anti-vibration pad with a ribbed pattern designed on both sides and a foam middle layer. The middle layer is made from closed micro-cellular rubber foam which is glued to ribbed rubber pad. The blue soft middle layer is excellent in providing acoustical noise control while the top and bottom rubber pads reduce transfer vibration and guarantee a positive grip with foundations equipment bases.

### Recommended for:

The EVA-BFR Pad is suitable for applications where bolting is to be avoided and minor non-critical vibration conditions exist. It is also recommended for HVAC, motors, pumps, generators, air conditioning units, chillers, etc).



### Features:

- ✓ Reduce noise and minor vibrations.
- ✓ Anti-skid surfaces trough ribbed construction.
- ✓ Simple field installation. No bolting required.
- ✓ EVA-BFR come in different sizes or can be cut on the spot during the installation.

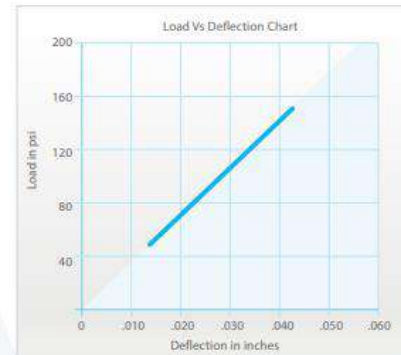
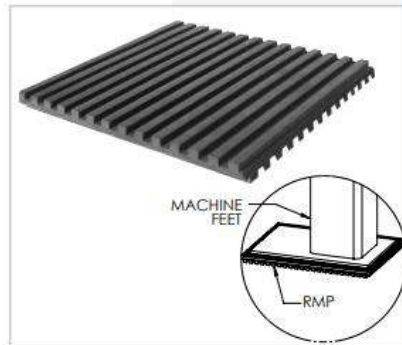
Model	Load Range per square inch (psi)	Dimensions in inches			Color
		Length (in)	Width (in)	Thickness (in)	
EVA-BFR-0202	2 - 20	2	2	7/8	Black / Blue
EVA-BFR-0303	2 - 20	3	3	7/8	Black / Blue
EVA-BFR-0404	2 - 20	4	4	7/8	Black / Blue
EVA-BFR-0606	2 - 20	6	6	7/8	Black / Blue
EVA-BFR-1212	2 - 20	12	12	7/8	Black / Blue
EVA-BFR-1818	2 - 20	18	18	7/8	Black / Blue

## RMP Ribbed rubber pads

VibraSystem Inc. RMP Pad is a general purpose rubber pad with a finely ribbed pattern designed on both sides, where the ribs are ninety degrees opposed to one-another. This Ribbed Rubber Mounting Pad is lightweight and its solid ribbed design adds the isolation and positive grip.

### Recommended for:

The RMP Pad is suitable for applications where bolting is to be avoided and minor non-critical vibration conditions exist. It is also recommended for HVAC, motors, pumps, generators, air conditioning units, chillers, machine shop machines, etc.



### Features:

- ✓ Anti-skid surfaces through alternate high-low rib construction design.
- ✓ Reduce noise and minor vibrations.
- ✓ Can be reused when machines are relocated.
- ✓ Can be moulded in custom sizes and materials subject to minimum quantity requirements.
- ✓ No bolting required.
- ✓ Simple field installation.

Model	Load Range per square inch (psi)	Dimensions in inches			Color
		Length (in)	Width (in)	Thickness (in)	
RMP-020238	50 - 150	2	2	3/8	Black
RMP-030338	50 - 150	3	3	3/8	Black
RMP-040438	50 - 150	4	4	3/8	Black
RMP-060638	50 - 150	6	6	3/8	Black
RMP-080838	50 - 150	8	8	3/8	Black
RMP-121238	50 - 150	12	12	3/8	Black
RMP-181838	50 - 150	18	18	3/8	Black
RMP-242438	50 - 150	24	24	3/8	Black



## BPXP Bearing pads

Load Bearing Pads are made of fully cured masticated fiber reinforced rubber made from a proprietary blend of virgin and recycled rubbers. During the manufacturing process, synthetic fibers are added to the base rubber compounds to create an internal stiffening - much like reinforced concrete. This mesh structure delivers enhanced tensile, compressive strength, stiffness, tear resistance, durability, and superior ozone and weather resistance.

### BPXP- Elastomeric Load Bearing Pads

Are made in an unique cross-ply manufacturing process, giving uniform physical properties in all directions. This premium grade load bearing pad is designed for more demanding structural applications with load requirements of up to 2,000 psi and ultimate compression strength of up to 15,000 psi.



### Recommended for:

Standard construction applications such as precast and pre-stressed concrete, bridges, structural steel bearing applications, as well as for machinery foundations, railway tie pads, shock vibration isolation, and shock reduction.

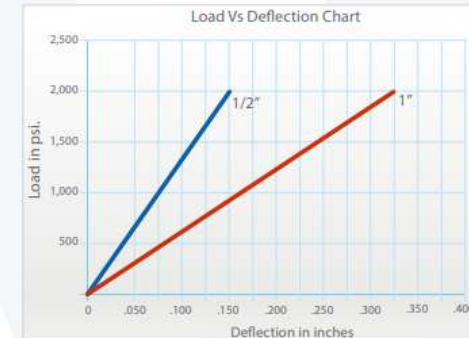
### Features:

- ✓ Compressive design loads up to 2,000 psi.
- ✓ Unique cross ply manufacturing process gives uniform physical properties.
- ✓ Thickness available: 1/2" & 1"
- ✓ Custom sizes for width and length are available upon request.
- ✓ Colour: Black

Technical Data		
ASTM Test method	Physical properties	Value
D297 sec.16.3	Specific Gravity	1.18
D2240	Hardness (Shore A)	75±5
D412 Die C	Tensile Strength (psi)	MD: 1,000 min.
D412 Die C	Elongation (%)	MD: 15 min. TD: 40 min.
D624 Die B	Tear Strength (lbs/in)	MD: 200 min. TD: 400 min.
D2137	Low Temperature Resistance @ -40°C	Pass
D1894	Coefficient of Friction	0.8
D573	Heat Aging	70 hrs @70°C, Changed: Hardness: ±10 points Tensile: ±25% max. Elongation: ±25% max.

MD = Machine Direction; TD = Transversal Direction

Model	Pad dimensions: Thickness x Width x Length (in)
BPXP-50-6-6	1/2 x 6 x 6
BPXP-50-12-12	1/2 x 12 x 12
BPXP-50-24-24	1/2 x 24 x 24
BPXP-50-48-60	1/2 x 48 x 60
BPXP-1-6-6	1 x 6 x 6
BPXP-1-12-12	1 x 12 x 12
BPXP-1-24-24	1 x 24 x 24
BPXP-1-48-60	1 x 48 x 60



### Notes:

- 1) BPXP Bearing Pads under 2,000 psi load provide excellent anti vibration isolation for transfer vibrations.
- 2) When product price is not shown, please call our office for technical consultation prior to place an order.

## AASHTO Bridge bearing pads

Bridge Bearing Pads AASHTO Grade are made of Natural Rubber (NR) or Neoprene (CR) and are designed to meet AASHTO specifications for highway bridge bearing pads (AASHTO LRFD bridge construction specification, section 18.2.)

**Natural Rubber Pads** meet AASHTO Standard Specifications for plain and laminated elastomeric bridge bearing pads, M251-06, polyisoprene, Grade 2.

**Neoprene Pads** meet AASHTO Standard Specifications for plain and laminated elastomeric bridge bearing pads, M251-06, polyisoprene, Grade 0, 2, and 3.



### Recommended for:

AASHTO Bridge Bearing Pads can be utilized between structural components in highway bridges, railroad bridges, and in all types of concrete and/or steel structures as an efficient and economical method for accommodating shock, vibration, rotation, and shear caused by load deflection and thermal movement.

### Features:

- ✓ Available in Natural Rubber (NR) & Neoprene (CR)
- ✓ Natural Rubber available in 60A Durometer Hardness
- ✓ Neoprene available in 50A, 60A, & 70A Durometer Hardness
- ✓ Custom sizes are available upon request
- ✓ Thickness available:
  - NR 60A: 1/2" & 1"
  - Neo 50A: 1/4", 1/2" & 1"
  - Neo 60A: 1/4", 1/2" & 1"
  - Neo 70A: 1/4" & 1/2"
- ✓ Standard sizes (Width x Length):
  - 4" x 4"; 6" x 6"; 12" x 12"; 24" x 24"

### Custom Design



Custom sizes and shapes are also available according to customer's drawings and specifications - labor charges applied.

### Technical Specifications

ASTM Test Method	Properties	NR 60A Value	Neo 50A Value	Neo 60A Value	Neo 70A Value
	Specific Gravity (gr/cc)	1.13	1.22	1.25	1.28
D2240	Hardness (Shore A)	60	50	60	70
D412	Tensile (psi)	2,250 min.	2,250 min.	2,250 min.	2,250 min.
	Ultimate Elongation (%)	400 min.	400 min.	350 min.	300 min.
D2137	Cold Temperature (°C)	-40 °C min.	-40 °C min.	-40 °C min.	-40 °C min.
D395B	Compression Set	22 hrs @70°C 25% max.	22 hrs @100°C 35% max.	22 hrs @100°C 35% max.	22 hrs @100°C 35% max.
D573	Heat Aging	168 hrs @70°C Changed Hard.: + 10 points Tensile: -25% max. Elong.: -25% max.	70 hrs @100°C Changed Hard.: + 15 points Tensile: -15% max. Elong.: -40% max.	70 hrs @100°C Changed Hard.: + 15 points Tensile: -15% max. Elong.: -40% max.	70 hrs @100°C Changed Hard.: + 15 points Tensile: -15% max. Elong.: -40% max.
D1171	Ozone Resistance		100 hrs @ 100 PPHM @37.7°C 20% strain, no cracks	100 hrs @ 100 PPHM @37.7°C 20% strain, no cracks	100 hrs @ 100 PPHM @37.7°C 20% strain, no cracks

Elong. = Elongation

Hard. = Hardness

### Notes:

- a) Please ensure the product meets your application prior to order placement.
- b) When product price is not shown, please call our office for technical consultation prior to place an order

## CBM Center bolted mounts

CBM mounts efficiently isolate vibration and static/dynamic loads in all directions, attenuate shock inputs, prevent transmission of structure born noise, and have built-in rebound protection. Made with neoprene rubber elastomer with good resistance to industrial oils and grease compounds with operational temperature range of -40°F to 200°F.



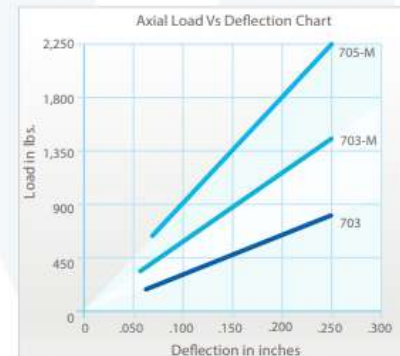
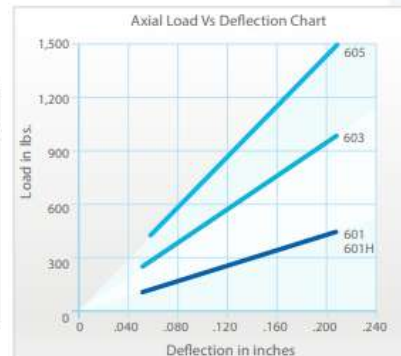
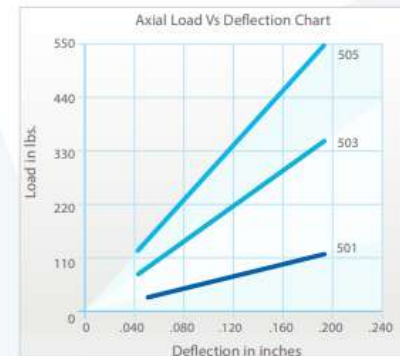
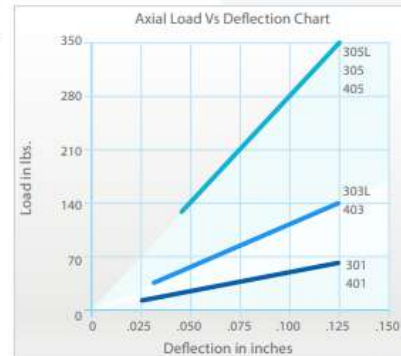
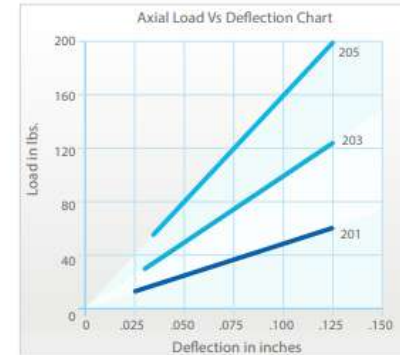
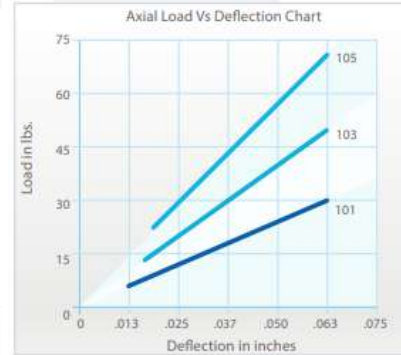
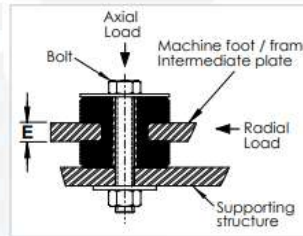
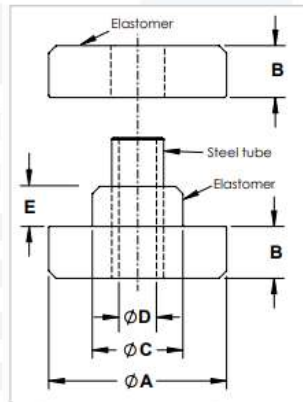
### Recommended for:

- Engines, diesel-generator systems, compressors, pumps, fans, A/C systems, radiators, trucks' cabs and fuel tanks.
- Transfer plates/frames and intermediate mounting systems between equipment and bases/foundations.
- Accessory equipment and miscellaneous industrial machinery applications.

### Features:

- ✓ Top & bottom parts positions are reversible.
- ✓ Low-cost installation & easy to install.
- ✓ Drastically reduce mechanical vibration transmission.
- ✓ Available in wide range of sizes and loads.
- ✓ Provides excellent resistance against vertical & lateral forces.
- ✓ Long service life.

Model	Rated Axial Load (lbs)	Rated Radial Load (lbs)	Bolt size (in)	Dimensions in inches (in)				
				A	B	C	D	E
CBM 101	30	15	1/4	.75	.25	.50	.26	.125
CBM 103	50	25	1/4	.75	.25	.50	.26	.125
CBM 105	70	35	1/4	.75	.25	.50	.26	.125
CBM 201	60	30	5/16	1.25	.50	.76	.32	.125
CBM 203	125	62	5/16	1.25	.50	.76	.32	.125
CBM 205	200	100	5/16	1.25	.50	.76	.32	.125
CBM 301	60	30	3/8	1.20	.50	.76	.39	.188
CBM 303L	140	70	3/8	1.20	.50	.76	.39	.188
CBM 305L	350	175	3/8	1.20	.50	.76	.39	.188
CBM 305	350	175	3/8	1.25	.50	.76	.39	.125
CBM 401	60	30	3/8	1.20	.50	.76	.39	.375
CBM 403	140	70	3/8	1.20	.50	.76	.39	.375
CBM 405	350	175	3/8	1.20	.50	.76	.39	.375
CBM 501	125	62	1/2	1.90	.78	1.27	.53	.50
CBM 503	350	175	1/2	1.90	.78	1.27	.53	.50
CBM 505	550	275	1/2	1.90	.78	1.27	.53	.50
CBM 601H	450	225	5/8	2.50	.90	1.54	.64	.75
CBM 601	450	225	5/8	3	.86	1.54	.64	.75
CBM 603	1,000	500	5/8	3	.86	1.54	.64	.75
CBM 605	1,500	750	5/8	3	.86	1.54	.64	.75
CBM 703	800	400	7/8	3.50	1	2.30	.94	1
CBM 703-M	1,500	750	3/4	3.50	1	2.30	.76	1
CBM 705-M	2,250	1,125	3/4	3.50	1	2.30	.76	1

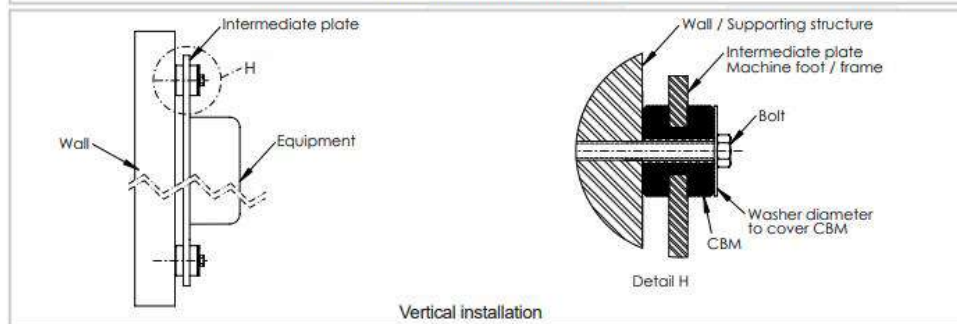
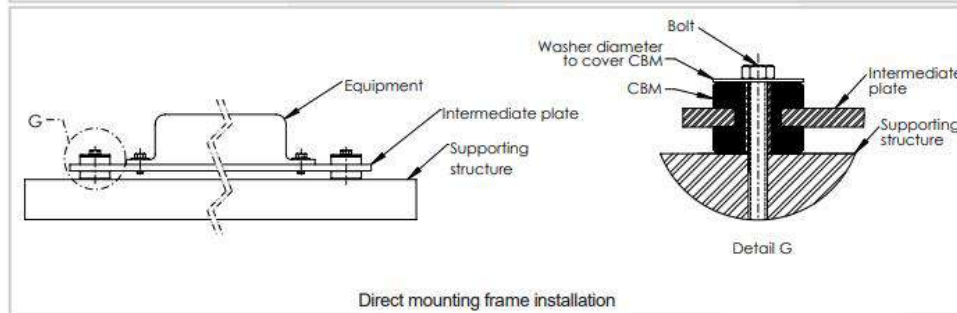
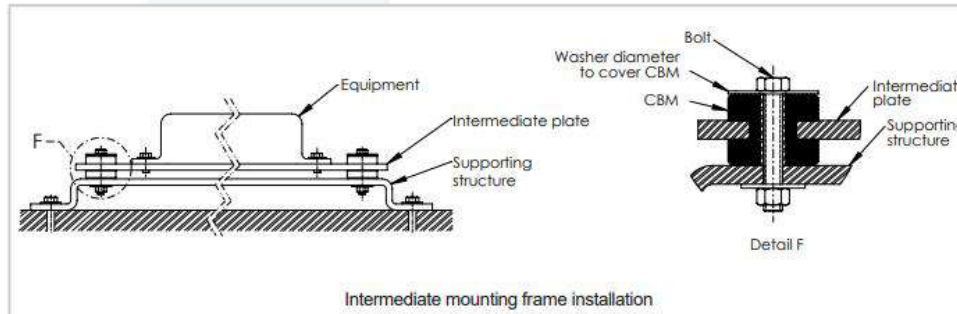




## CBM Center bolted mounts

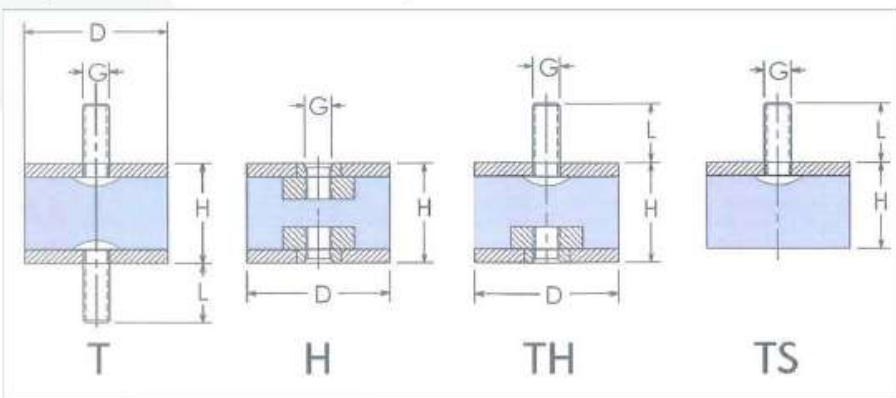
### Typical Installations:

- 1) The mounting hole of the machine foot/frame or intermediate plate must be equal or 1/32" bigger than CBM's dimension "C".
- 2) Remove all burrs and sharp corners from each mounting hole of the machine foot/frame or intermediate plate before assembling CBM to the supporting structure.
- 3) Rebound washer diameter must cover CBM.



## Cylindrical mounts - Imperial

Very versatile and can be used in a wide range of applications where simple and compact anti-vibration isolations are required.



### Features:

- ✓ Low cost installation.
- ✓ Long service life.
- ✓ Available in wide range of sizes and loads.

### Designed For:

- Vertical load.
- Shear Load - maximum 20% of applied compression load.

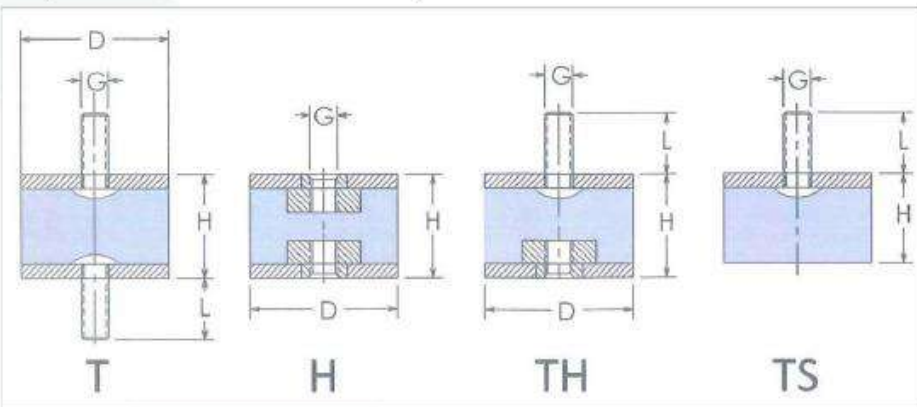
### Note:

- Type TS can be used as a bumper or anti-skid plate.
- Various configurations are available for added versatility for different installations requirements.
- Sizes in the table represent our stock items.

Model	D (in)	H (in)	G - THREAD	L (in)	LOAD (lbs)	T	TH	H	TS
3/8 - 1/4	3/8	1/4	8-32	3/8	17	T	TH		TS
3/8 - 5/16	3/8	5/16	8-32	3/8	17	T			TS
3/8 - 5/16	3/8	5/16	6-32	3/8	17	T	TH		TS
3/8 - 3/8	3/8	3/8	6-32	3/8	17		TH		
3/8 - 1/2	3/8	1/2	8-32	3/8	17	T	TH		TS
7/16 - 1/2	7/16	1/2	6-32	3/8	20	T		H	TS
5/8 - 5/8	5/8	5/8	8-32	3/8	30	T	TH		
5/8 - 5/8	5/8	5/8	1/4-20	1/2	30	T	TH		TS
3/4 - 3/8	3/4	3/8	1/4-20	1/2	50	T			TS
3/4 - 1/2	3/4	1/2	1/4-20	1/2	50	T	TH		TS
3/4 - 5/8	3/4	5/8	1/4-20	1/2	50	T	TH		TS
3/4 - 3/4	3/4	3/4	5/16-18	1/2	50	T	TH		TS
3/4 - 3/4	3/4	3/4	1/4-20	1/2	50	T			
1-3/8	1	3/8	10-32	1/2	100	T			TS
1-3/8	1	3/8	5/16-18	1/2	100	T			TS
1-5/8	1	5/8	1/4-20	1/2	100	T			
1-5/8	1	5/8	5/16-18	1/2	100	T			TS
1-3/4	1	3/4	5/16-18	1/2	100	T	TH		TS
1-1	1	1	5/16-18	1/2	100	T	TH	H	TS
1-1 1/4	1	1 1/4	5/16-18	5/8	100	T	TH		TS
1-1 1/2	1	1 1/2	5/16-18	5/8	100	T	TH		TS
1 3/16 - 3/4	1 3/16	3/4	5/16-18	5/8			TH		
1 1/4 - 3/4	1 1/4	3/4	5/16-18	9/16	150	T	TH		TS
1 1/4 - 1	1 1/4	1	5/16-18	9/16	150	T	TH	H	TS
3/16 X 1 3/16	1 3/16	1 3/16	5/16-18	9/16			TH		
1 1/4 - 1 1/4	1 1/4	1 1/4	5/16-18	9/16	150	T	TH	H	TS
1 1/2 - 3/4	1 1/2	3/4	3/8-16	3/4	225	T			TS
1 1/2 - 1	1 1/2	1	3/8-16	3/4	225	T	TH		TS
2-1	2	1	5/16-18	9/16	500	T	TH	H	
2-1 1/2	2	1.5	3/8-16	3/4	500	T			TS
2-1 3/4	2	1.75	3/8-16	3/4	500	T			TS
2-2	2	2	3/8-16	3/4		T			
2-2 1/8	2	2.125	3/8-16	3/4	500	T			TS
3-1 1/2	3	1 1/2	1 1/2-13	1 1/2	1150	T	TH	H	

## Cylindrical mounts - Metric

Very versatile and can be used in a wide range of applications where simple and compact anti-vibration isolations are required.



Model	D (in)	H (in)	G - THREAD	L (in)	LOAD (lbs)	T	TH	H	TS
10-10	10	10	M4	10	20	T	TH		TS
10-15	10	15	M4	10	20			H	
15-08	15	08	M4	10	50	T	TH		TS
15-15	15	15	M4	10	50				
20-15	20	15	M6	15	85	T	TH	H	TS
20-25	20	25	M6	15	85	T	TH	H	TS
25-15	25	15	M6	18	140		TH		
25-20	25	20	M8	20	140		TH	H	TS
25-25	25	25	M6	18	140	T	TH	H	TS
25-25	25	25	M8	20	140			H	TS
25-30	25	30	M6	18	140	T		H	
25-30	25	30	M8	20	190			H	TS
30-20	30	20	M8	20	190		TH		TS
30-30	30	30	M8	20	190	T	TH		TS
30-30	30	30	M10	20	190			H	
35-35	35	35	M8	20	240	T	TH		TS
35-35	35	35	M10	20	240			H	
40-30	40	30	M10	25	320		TH	H	
40-40	40	40	M8	20	320	T		H	
40-40	40	40	M10	25	320		TH	H	TS
50-20	50	20	M10	28	540		TH		
50-30	50	30	M10	28	540		TH	H	TS
50-50	50	50	M10	28	540		TH	H	
60-25	60	25	M8	28	780			H	
60-25	60	25	M10	32	780	T	TH	H	TS
60-30	60	30	M12	32	780			H	
60-40	60	40	M10	32	780	T			TS
60-45	60	45	M8	32	780			H	
75-40	75	40	M12	37	1150	T	TH	H	TS
75-55	75	55	M12	37	1150	T	TH	H	TS
100-55	100	55	M12	42	2100	T	TH	H	TS

### Features:

- ✓ Low cost installation.
- ✓ Available in wide range of sizes and loads.
- ✓ Long service life.

### Designed For:

- Vertical load, they can accommodate shear loads at 20% of the compression load.
- Various configurations are available for added versatility for different installations requirements.
- Type TS can be used as a bumper or anti-skid plate.



## PIM Plate anti-vibration mounts

VibraSystems Inc. Plate Mounts are versatile, low-frequency isolators for control of steady state vibration and occasional shock forces.

These light-weight and compact mounts provide multi-directional isolation from lower frequency disturbances.

### Recommended Use:

Aerospace, defense, industrial, commercial, automotive, medical, and electronic equipment, as well as small pumps, small fans, instrumentation, office equipment, computers, and appliances.

### Features:

- ✓ Prevent transmission of structure-born noise.
- ✓ Control occasional shock forces.
- ✓ Excellent isolation of low frequency vibration.
- ✓ Available in a wide varieties of sizes and load ranges.



PIM-001/002/004 Diamond Base



PIM-106 Diamond Base



PIM-156 Square Base



PIM-001/002/004 Square Base



PIM-011-02/04

Model Number	Axial Spring Rate	Maximum Static Load	Shipping Weight (lbs)
PIM 106-01	5	1	0.02
PIM 106-03	16	3	0.02
PIM 106-05	32	6	0.02
PIM 156-02	48	9	0.07
PIM 156-52	48	9	0.08
PIM 156-54	60	10	0.08
PIM 001-01	62	4	0.03
PIM 001-02	125	8	0.03
PIM 001-03	198	12	0.03
PIM 001-04	300	20	0.03
PIM 001-51	62	4	0.04
PIM 001-52	125	8	0.04
PIM 001-53	198	12	0.04
PIM 001-54	300	20	0.04
PIM 002-01	33	3	0.06
PIM 002-02	65	6	0.06
PIM 002-02	65	6	0.06
PIM 002-04	130	12	0.06
PIM 002-07	220	20	0.06
PIM 002-51	33	3	0.07
PIM 002-52	65	6	0.07
PIM 002-54	130	12	0.07
PIM 002-57	220	20	0.07
PIM 011-02	450	50	0.59
PIM 011-04	550	70	0.59

## Skid Mount

### SKID MOUNT

SKID MOUNT is designed to absorb shock forces in both vertical and lateral directions.

#### Recommended for:

Heavy-duty applications, such as off-road vehicles, farm and construction equipment, marine generators, motors, and similar equipment.

#### Product Specifications:

Operating Temperature: - 20 to + 200 F

Part Weight: 1.9 lb

#### Materials:

Tube and Plate: Steel ASTM A36

Elastomer: Neoprene

#### Finish:

Tube and Plate: Bright Zinc



#### Features:

- ✓ Easy installation with no special tools.
- ✓ High load carrying capacity.
- ✓ Designed for both shear and compression loads and shocks.

Model	Axial Maximum Static Load (lps)	Radial Maximum Static Load (lbs)
Skid Mount	800	240

## Neoprene 60/70/80

An economical black rubber sheet that has been specifically formulated to provide moderate oil and petroleum based solvent resistance. In addition, this sheet gives good weathering and ozone resistance for outdoor or unusual environmental conditions. This material is utilized in a broad range of industrial applications from gasket making to the chemical and transportation industries.

<b>Colour:</b>	Black
<b>Finish:</b>	Smooth
<b>Tensile:</b>	620 PSI
<b>Elongation:</b>	300% (Neoprene 60 / 70 Duro); 200% (Neoprene 80 Duro)
<b>Hardness:</b>	60/70/80 SHORE "A" +/- 5
<b>Tear Strength:</b>	100 Lbs/in
<b>Temperature Range:</b>	-30°C to 82°C (-22°F to 180°F)





## EPDM / SBR / SBR Packing

### EPDM RUBBER

**EPDM** is a polymer that provides superior properties for outdoor and high ozone environment applications. EPDM rubber also provides better resistance for acids, alkali, and ketones than other general rubber sheets. EPDM sheet is commonly used for roofing, automotive, and other applications where high temperature (up to 220°F) is required. However, EPDM sheet has poor resistance to fuels, oils, and alcohols.

<b>Colour:</b>	Black
<b>Finish:</b>	Smooth
<b>Tensile:</b>	725 psi
<b>Elongation:</b>	500%
<b>Hardness:</b>	60 SHORE "A" +/- 5
<b>Temperature Range:</b>	-30°C / 104°C -22°F / 220°F

### SBR RUBBER

Economical, general purpose rubber sheet offers solid resistance to abrasion and impact. It is not recommended for applications where oil or gasoline is present. **SBR** rubber sheet has good vibration and sound insulating properties.

<b>Colour:</b>	Black
<b>Finish:</b>	Smooth
<b>Tensile:</b>	500 psi
<b>Elongation:</b>	300%
<b>Hardness:</b>	60 SHORE "A" +/- 5
<b>Temperature Range:</b>	-20°C / 80°C -4°F / 176°F

### SBR PACKING RUBBER

This reinforced rubber which is made of synthetic fabric maintains the properties of our **SBR** rubber with the added benefit of a woven nylon cloth insert for added puncture resistance, stability, and tear strength. Fabric products physical characteristics are based on rubber compounds only.

<b>Colour:</b>	Black
<b>Finish:</b>	Smooth
<b>Tensile:</b>	435 psi
<b>Elongation:</b>	300%
<b>Hardness:</b>	70 SHORE "A" +/- 5
<b>Temperature Range:</b>	-30°C / 70°C -22°F / 158°F



EPDM Rubber

SBR Packing Rubber

## Nitrile Rubber / Natural Rubber

### NITRILE RUBBER

**Black Nitrile** is the polymer of choice for applications which require superior resistance to oils, solvents, gasoline, and other hydrocarbon chemicals.

**White Nitrile** Rubber is specially formulated to be non-marking. White colour is commonly used in the food, pharmaceutical and cosmetic industries. White Nitrile rubber resists oil and grease food products well. This product is produced from a FDA approved compound.

<b>Colour:</b>	Black or White
<b>Finish:</b>	Smooth
<b>Tensile:</b>	<b>Black</b> Nitrile 640 psi <b>White</b> Nitrile 725 psi
<b>Elongation:</b>	300%
<b>Hardness:</b>	60 SHORE "A" +/- 5
<b>Temperature Range:</b>	-30°C to 88°C -22°F to 190°F



Natural Rubber

### NATURAL RUBBER (PURE GUM)

**Natural Rubber** (Pure Gum) is soft, long wearing, non-marking rubber which has excellent abrasion, and tear resistance. It also has superior resilience, tensile and elongation characteristics. Natural Rubber has excellent adhesion to fabric and metal. Not recommended for outdoor or oil resistant applications. It is widely used as a sleeve for chutes as well as for gasket and sand/shot blast curtain manufacturing.

<b>Colour:</b>	Pure Gum - Tan
<b>Finish:</b>	Smooth
<b>Tensile:</b>	2,300 psi
<b>Elongation:</b>	600%
<b>Hardness:</b>	40 SHORE "A" +/- 5
<b>Temperature Range:</b>	-40°C to 70°C -40°F to 158°F



Nitrile Rubber

## Butyl / Hypalon / Viton

### BUTYL

**Butyl** has an outstanding resistance to gases and vapor and very good resistance to heat, oxygen, ozone, alkalis and oxygenated solvents. It also has superior resistance to water and steam. This makes the sheet suited for a broad range of outdoor and aqueous chemical tank lining applications.

<b>Colour:</b>	Black
<b>Finish:</b>	Smooth
<b>Tensile:</b>	725 psi
<b>Elongation:</b>	300%
<b>Hardness:</b>	70 SHORE "A" +/- 5
<b>Temperature Range:</b>	-20°C to 100°C -4°F to 212°F

### HYPALON

This synthetic rubber offers exceptionally good resistance to weather, ozone, sunlight, and oxidation. Hypalon has excellent properties for alkalis and acids. This sheet is not recommended for aldehydes, aromatic, or chlorinated solvents. **Hypalon** rubber sheet is recommended for extended outdoor applications.

<b>Colour:</b>	Black
<b>Finish:</b>	Smooth
<b>Tensile:</b>	1,100 psi
<b>Elongation:</b>	300%
<b>Hardness:</b>	60 SHORE "A" +/- 5
<b>Temperature Range:</b>	-30°C to 120°C -22°F to 248°F

### VITON

Black **Viton** sheets provide excellent resistance to heat, oil, and chemicals. These properties make Viton well-suited for hot grease, engine, and compressor type applications. In addition, this fluoroelastomer sheet is resistant to a wide range of concentrated acids.

<b>Colour:</b>	Black
<b>Finish:</b>	Smooth
<b>Tensile:</b>	1,100 psi
<b>Elongation:</b>	200%
<b>Hardness:</b>	70 SHORE "A" +/- 5
<b>Temperature Range:</b>	-30°C to 180°C -22°F to 356°F



Butyl / Hypalon / Viton



## Red Sheet Packing / Silicone / Urethane

### RED SHEET PACKING

An economical red sheet with a smooth finish used in low-pressure applications with no oil resistant requirements. This is also ideal for gaskets and other sheet applications where a recognizable red colour is required.

<b>Colour:</b>	Red
<b>Finish:</b>	Smooth
<b>Tensile:</b>	500 psi
<b>Elongation:</b>	250%
<b>Hardness:</b>	80 SHORE "A" +/- 5
<b>Temperature Range:</b>	-20°C to 80°C -4°F to 176°F

### SILICONE

Excellent properties for both extreme heat and extreme cold. It also has good weather and ozone resistance. Made from FDA-approved material. Also available in 48" width special order.

<b>Colour:</b>	Red
<b>Finish:</b>	Smooth
<b>Tensile:</b>	1,000 psi
<b>Elongation:</b>	400%
<b>Hardness:</b>	60 SHORE "A" +/- 5
<b>Temperature Range:</b>	-50°C to 200°C -58°F to 392°F

### URETHANE

**Urethane** has very high abrasion qualities. It can handle high impact applications where other rubbers would fail. Urethane has an extremely high tensile strength, which makes it very durable and tough rubber.

<b>Colour:</b>	Red
<b>Finish:</b>	Smooth
<b>Tensile:</b>	5,692 psi
<b>Elongation:</b>	603%
<b>Hardness:</b>	80 SHORE "A" +/- 5
<b>Temperature Range:</b>	-29°C to 71°C -20°F to 160°F



## Chute Lining / Skirtboard

### CHUTE LINING

This rubber possesses, on one side, a synthetic fabric, making the rubber extremely resistant to tearing and stretching. Chute and launder lining is a common application for this rubber.

The chute rubber effectively protects the chutes from damaging during the conveying of the materials through it. It also decrease the vibration shock on the chutes and structures.

<b>Colour:</b>	Black
<b>Finish:</b>	Smooth
<b>Tensile:</b>	435 psi
<b>Elongation:</b>	300%
<b>Hardness:</b>	55 SHORE "A" +/- 5
<b>Temperature Range:</b>	-30°C to 70°C -22°F to 158°F

### SKIRTBOARD

Economical, general purpose rubber sheet offers solid resistance to abrasion and impact. It is not recommended for applications where oil or gasoline is present. Cut to width, SkirtBoard Rubber is designed for use as skirting on conveyor belt systems, making it a great cost-saving item.

<b>Colour:</b>	Black
<b>Finish:</b>	Smooth
<b>Tensile:</b>	500 psi
<b>Elongation:</b>	300%
<b>Hardness:</b>	55 SHORE "A" +/- 5
<b>Temperature Range:</b>	-20°C to 80°C -4°F to 176°F



Chute Lining / SkirtBoard Rubber

## DuraFlex Rubber



**DuraFlex Rubber** - a highly durable, flexible, and resilient fiber-reinforced masticated thermo-set rubber available in sheet or rolled form. Commonly used in manufacturing of die cut components, cargo restraint mats, industrial and agricultural floor matting as well as athletic flooring. Special applications include load bearing pads and acoustic control underlay.

**DuraFlex Rubber** made of thermo-set fiber reinforced masticated rubber.



### Dimensions

TYPE	GAUGE	WIDTH	LENGTH
DF-080	0.080" / 2 mm	43" / 1.09 m	800' / 240 m
DF-125	0.125" / 3.2 mm	49" / 1.24 m	600' / 180 m
DF-259	0.250" / 6.4 mm	49" / 1.24 m	300' / 90 m

### Tolerance

	ROLL	SHEET
Length	± 5' (1.5 m)	-0 / +1" (25.4 mm)
Width	-0, +1" (25.4 mm)	-0 / +1" (25.4 mm)
Thickness up to 1/8"	-0 / +0.020" (0.50 mm)	-0 / +0.020" (0.5 mm)
Thickness up to 1/4"	-0 / +0.030" (0.76 mm)	-0 / +0.030" (0.76 mm)

### Technical Data

PHYSICAL PROPERTIES (ORIGINAL)	TEST METHOD	SPEC MMSP6252		RESULT	
Tensile Strength, Min	ASTM D412, Die C	MD: 5.2 Mpa TD: 2.5 Mpa	MD: 754 psi TD: 363 psi	MD: 5.3 Mpa TD: 3.0 Mpa	768 psi 435 psi
Tear Strength, Min	ASTM D624, Die B	MD: 26.4 kN/m TD: 52.5 kN/m	MD: 150 pi TD: 300 pi	MD: 35 kN/m TD: 60 kN/m	200 pi 342 pi
Elongation, % min.	ASTM D412, Die C		MD: 15 TD: 40		MD: 18 TD: 50
Hardness, Shore A	ASTM D2240		82 ±5		78
Specific Gravity	ASTM D297 sec.16.3		N/A		1.18
Ozone Resistance	ASTM D518 "B"		Application specific		Application specific
Low Temperature Resistance	ASTM D2137 @ -40°C		Non-brittle		Pass

MD - Machine Direction; TD -Transverse Direction

**Compound 8048 consists off:**

- 40% virgin rubber
- 49% tires derived recycled rubber
- 11% fiber crumbs and additives for curing rubber

### NOTES:

- Full roll orders available in thickness: 3/16", 5/16", 3/8", 1/2", 3/4", 1"
- For better abrasion resistance and physical properties **DuraFlex** is available in #8070 compound



## Athletic / Fitness Mats

### Heavy Duty Fitness Mat - FM series

**FM series** is manufactured with shock absorbing pegs on underside surface and made from reinforced rubber. These mats absorb the shock of weights being dropped - prevent damage to the floor. These mats also recommended for use under treadmills like equipment to absorb vibration, impact and prevent equipment from sliding/moving across the floor.

**Recommended for:** Weight and fitness rooms; commercial and residential gyms; golf and country clubs; trade show booth floors; workshops, garages, storage sheds; ice parks, ski resorts; retail settings; entranceway, patios, decks, and balconies; boats; hockey/skating arenas; pet facilities, animal stall/bedding areas.

**Colour:** Black

**Finish:** Smooth

**Hardness:** 70-80 SHORE "A"



Heavy Duty Fitness Mat - FM series



Athletic Rubber Flooring - ARF series

### Athletic Rubber Flooring - ARF series

The **ARF series** will stand up to the toughest conditions, where a floor requires protection from impacts in heavy traffic areas. It is perfect for indoor and outdoor installations. It is engineered to outlast conventional granulated sports floors. Made for heavy-duty and commercial applications. A fiber-reinforced masticated rubber layer is bonded underneath.

**Recommended for:** Weight and fitness rooms; commercial and residential gyms; golf and country clubs; trade show booth floors; workshops, garages, storage sheds; ice parks, ski resorts; retail settings; entranceway, patios, decks, and balconies; boats; hockey/skating arenas; pet facilities.

**Colour:** Black with gray particles

**Finish:** Smooth

**Hardness:** 60-70 SHORE "A"

**Coefficient of friction:** >0.8

## Athletic / Fitness Mats

### Anti-fatigue Mat

Anti-fatigue Mat provides comfort and cushioning so you can continue working or cooking. Comprise of thick rubber for efficient and guaranteed relief. Easy to clean and move around. Available in black (Natural Rubber) and red color (Nitrile Rubber).

**Recommended for:** floors where employees are standing continuously for a long period of time such as in kitchens, checkout stands, gyms, food processing facilities, cafeterias, bars, hospitals, and manufacturing facilities.

**Colour:** Black or Red

**Finish:** Smooth

**Hardness:** 60-70 SHORE "A"

### Anti-fatigue Clipable Mat

Anti-fatigue Clipable Mat provides comfort and cushioning so you can continue working or cooking. Comprise of thick rubber for efficient and guaranteed relief. Easy to clean and move around. Interlocking system design securely connects tiles requiring no additional bevels or attachment devices.

**Recommended for:** floors where employees are standing continuously for a long period of time such as in kitchens, checkout stands, gyms, food processing facilities, cafeterias, bars, hospitals, and manufacturing facilities.

**Colour:** Black

**Finish:** Smooth

**Hardness:** 60-70 SHORE "A"



## Custom made mounts

Our custom products are manufactured with special regard for client specifications based on the intended use of those products. Both consulting and design are performed with careful consideration for industry standards, individual needs, and performance requirements. We have a fully qualified engineering team ready and able to assist you in developing custom shock and vibration isolation mounts to address your specific operational requirements.

