

## 1" & 2" DEFLECTION SEISMIC RESTRAINED OPEN SPRING MOUNTS

SMSR-B/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-B: top with a bracket and inside leveling adjustment feature

SMSR-BF: flat top and inside leveling adjustment feature

SMSR-BT: bolt top with leveling adjustment feature



SMSR-B



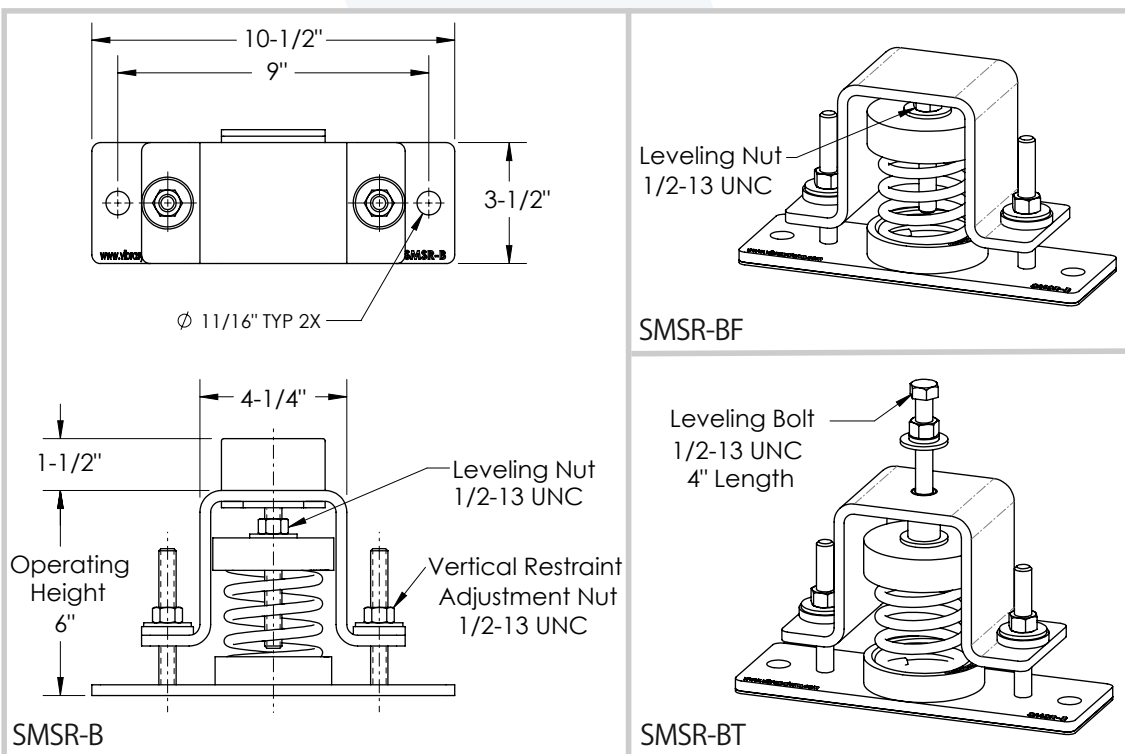
SMSR-BF



SMSR-BT

### Recommended for:

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

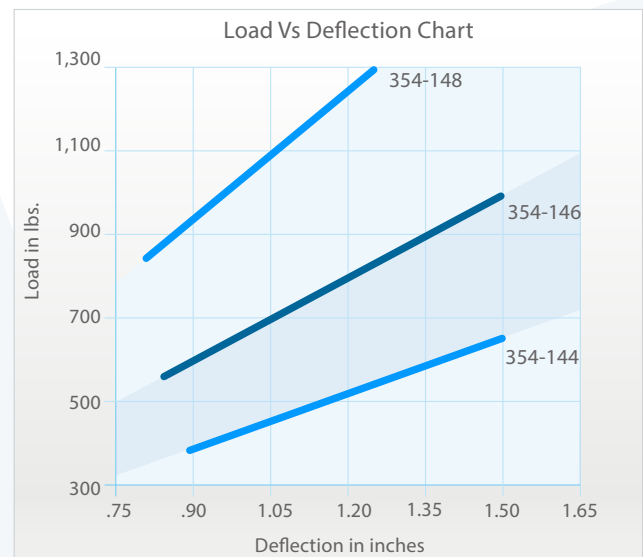
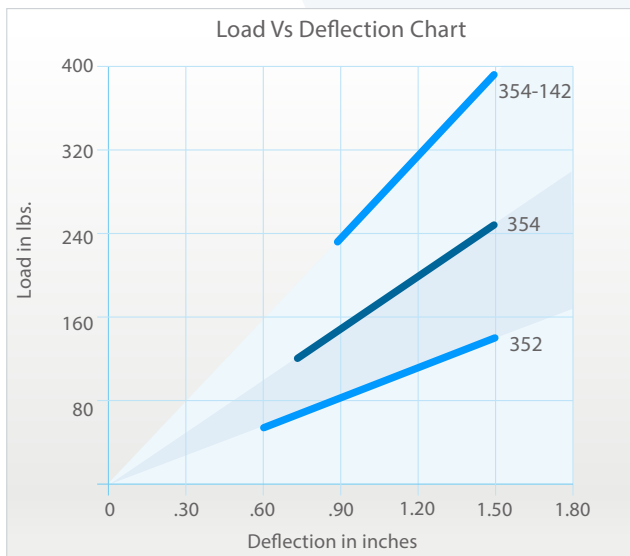


### Features:

- ✓ 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.

## 1" DEFLECTION SEISMIC 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-B-352	SMSR-BF-352	SMSR-BT-352	140	1-1/2	93	54.9	3	Yellow
SMSR-B-354	SMSR-BF-354	SMSR-BT-354	250	1-1/2	167	30.7	1.7	Purple
SMSR-B-354-142	SMSR-BF-354-142	SMSR-BT-354-142	385	1-1/2	257	19.9	1.1	Purple/Blue
SMSR-B-354-144	SMSR-BF-354-144	SMSR-BT-354-144	650	1-1/2	433	11.8	0.6	Purple/Brown
SMSR-B-354-146	SMSR-BF-354-146	SMSR-BT-354-146	1,000	1-1/2	667	7.7	0.4	Purple/Yellow
SMSR-B-354-148	SMSR-BF-354-148	SMSR-BT-354-148	1,300	1-1/4	1,040	5.9	0.3	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.
- Anti-skid rubber acoustical Pad can be provided upon request.

## 2" DEFLECTION SEISMIC 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-B-350	SMSR-BF-350	SMSR-BT-350	80	2	40	96	5.3	Red
SMSR-B-350-140	SMSR-BF-350-140	SMSR-BT-350-140	160	2	80	48	2.6	Red/Black
SMSR-B-403	SMSR-BF-403	SMSR-BT-403	348	2	174	22.1	1.2	Black
SMSR-B-404	SMSR-BF-404	SMSR-BT-404	453	2	226	17	0.9	Blue
SMSR-B-405	SMSR-BF-405	SMSR-BT-405	590	2	295	13	0.7	Red
SMSR-B-406	SMSR-BF-406	SMSR-BT-406	676	2	338	11.4	0.6	Orange
SMSR-B-407	SMSR-BF-407	SMSR-BT-407	787	2	393	9.8	0.5	Green
SMSR-B-408	SMSR-BF-408	SMSR-BT-408	918	2	459	8.4	0.5	White
SMSR-B-409	SMSR-BF-409	SMSR-BT-409	1,000	2	500	7.7	0.4	Brown
SMSR-B-410	SMSR-BF-410	SMSR-BT-410	1,250	2	625	6.1	0.3	White
SMSR-B-407-150	SMSR-BF-407-150	SMSR-BT-407-150	1,437	2	718	5.3	0.3	Green/Grey
SMSR-B-409-150	SMSR-BF-409-150	SMSR-BT-409-150	1,650	2	825	4.7	0.3	Brown/Grey
SMSR-B-410-150	SMSR-BF-410-150	SMSR-BT-410-150	1,900	2	950	4	0.2	White/Grey

