

1", 2", & 3" DEFLECTION SEISMIC RESTRAINED SPRING MOUNT

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

Recommended for:

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



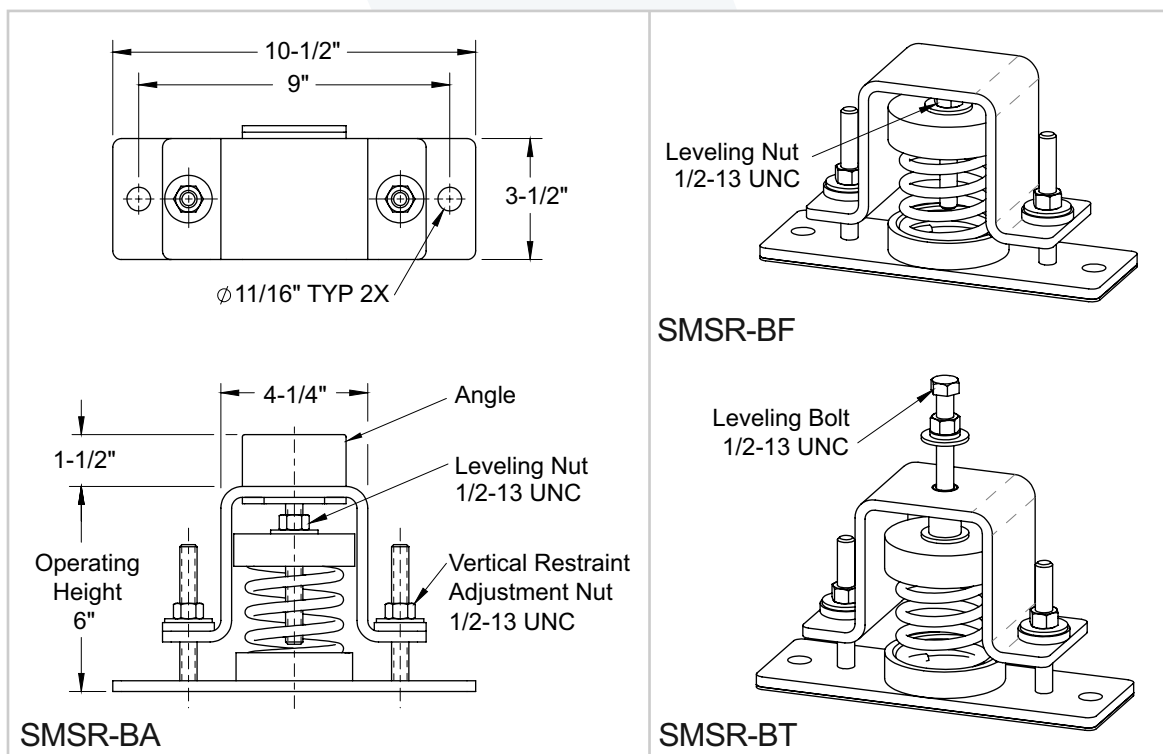
SMSR-BA



SMSR-BF



SMSR-BT



Features:

- ✓ Safety Factor: Springs will accommodate an additional 50% load from the rated load to the solid load.
- ✓ All spring mounts' elements are safe at solid load.
- ✓ Steel housing designed to withstand seismic and high wind forces.
- ✓ Zinc-plating housing and powder-coating springs provide excellent corrosion resistance.
- ✓ Acoustic elastomer spring cups provide superior vibration isolation and noise reduction.
- ✓ Springs are color-coded and easily replaceable.

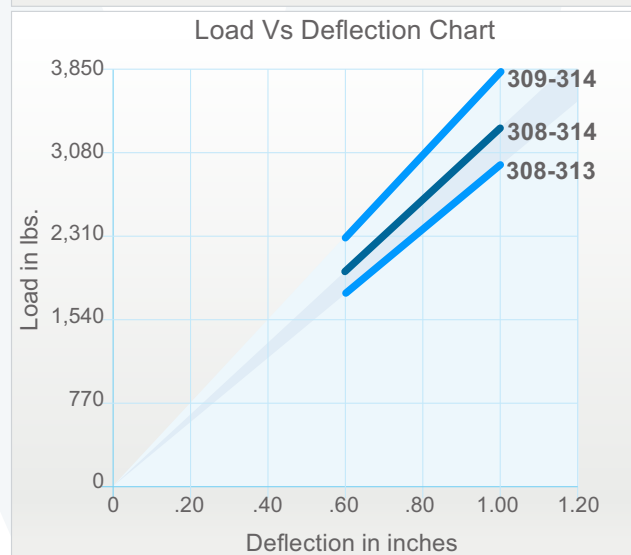
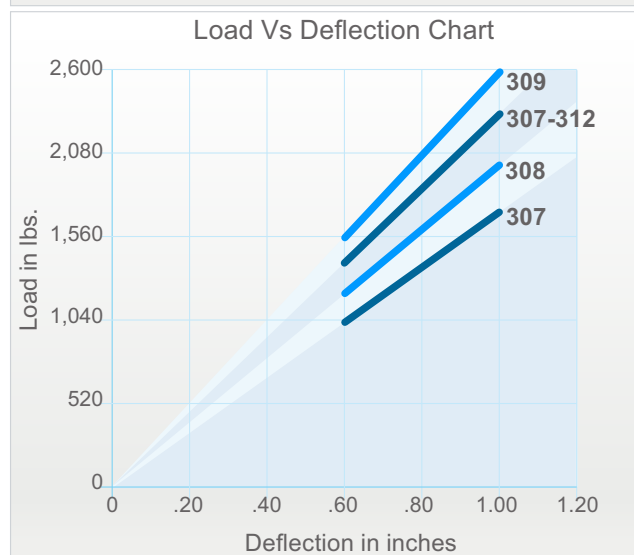
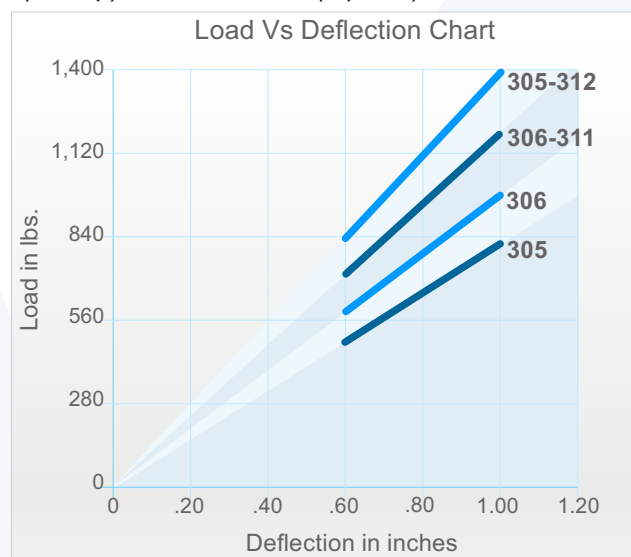
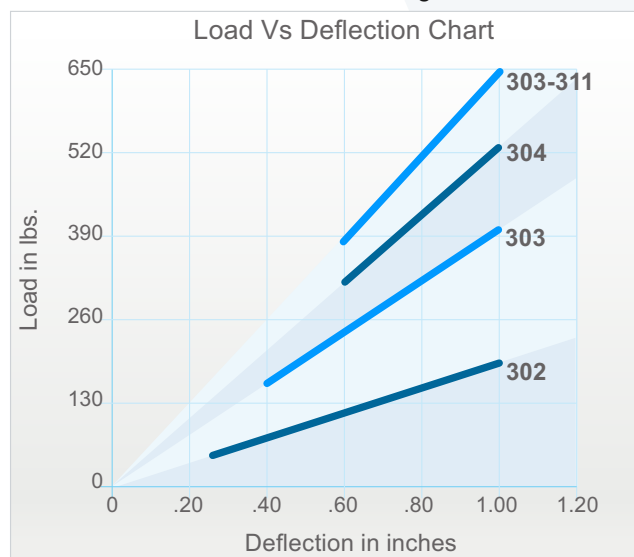
Tested & Certified to: ANSI/ASHRAE 171-2017

Wind & Seismic Maximum Vertical Load Resistance: 7,682 lbs

1" DEFLECTION SEISMIC RESTRAINED SPRING MOUNT

Model	Rated Load (lbs)	Deflection at Rated Load (lin)	Spring Rate (lbs/in)	Spring Color	Ship. Weight (lbs)
SMSR-302	195	1	195	Yellow	10
SMSR-303	400	1	400	Orange	10
SMSR-304	530	1	530	Red	10
SMSR-303-311	650	1	650	Orange/Green	11
SMSR-305	825	1	825	White	10
SMSR-306	1,000	1	1,000	Brown	10
SMSR-306-311	1,200	1	1,200	Brown/Green	11
SMSR-305-312	1,400	1	1,400	White/Yellow	11
SMSR-307	1,700	1	1,700	Green	10
SMSR-308	2,000	1	2,000	Black	10
SMSR-307-312	2,330	1	2,330	Green/Yellow	11
SMSR-309	2,600	1	2,600	Blue	10
SMSR-308-313	2,990	1	2,990	Black/Orange	11
SMSR-308-314	3,250	1	3,250	Black/Grey	11
SMSR-309-314	3,850	1	3,850	Blue/Grey	11

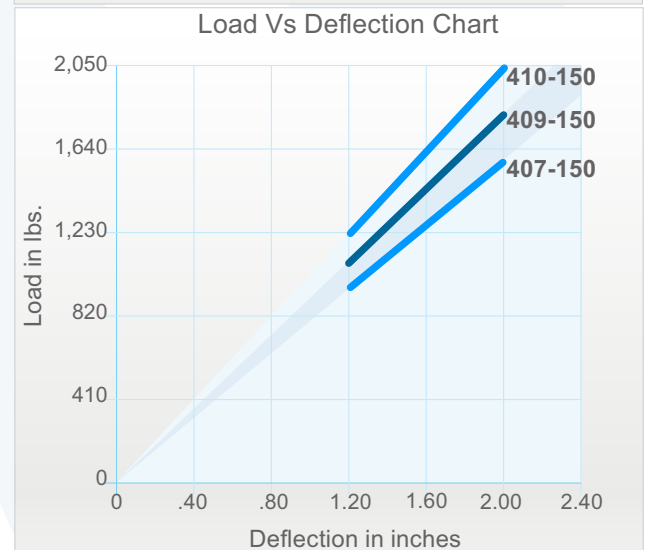
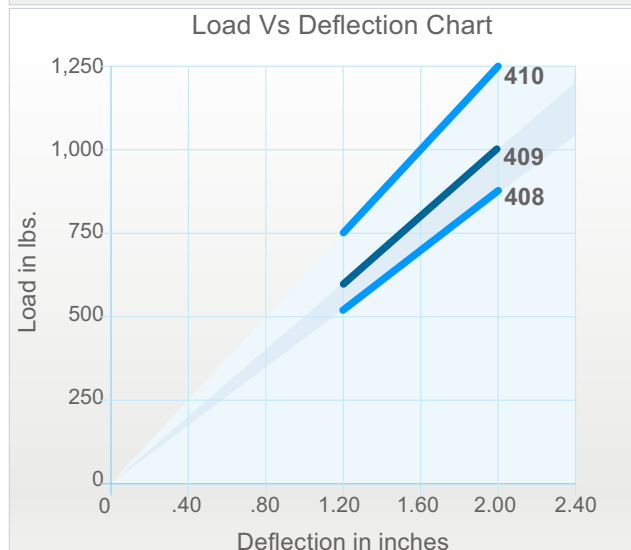
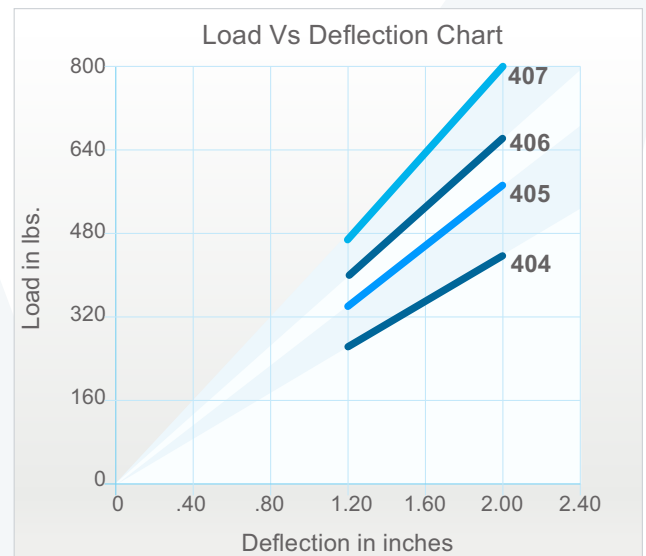
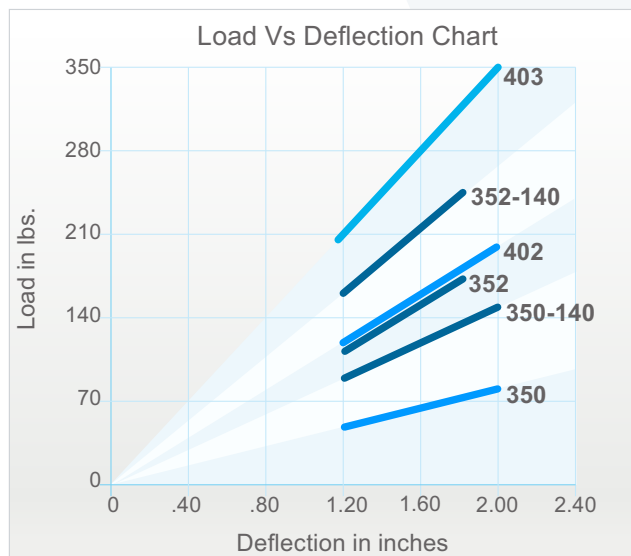
Models are available in three configurations: SMSR-BA (angle), SMSR-BF (flat top), and SMSR-BT (top bolt).



2" DEFLECTION SEISMIC RESTRAINED SPRING MOUNT

Model	Rated Load (lbs)	Deflection at Rated Load (lin)	Spring Rate (lbs/in)	Spring Color	Ship. Weight (lbs)
SMSR-350	80	2	40	Plated	11
SMSR-350-140	150	2	75	Plated/Plated	12
SMSR-352	180	1.8	100	Plated	11
SMSR-402	200	2	100	Grey	11
SMSR-352-140	250	1.8	125	Plated/Plated	12
SMSR-403	348	2	174	Black	11
SMSR-404	453	2	226	Blue	11
SMSR-405	590	2	295	Red	11
SMSR-406	676	2	338	Orange	11
SMSR-407	787	2	393	Green	11
SMSR-408	918	2	459	White	11
SMSR-409	1,000	2	500	Brown	11
SMSR-410	1,250	2	625	Yellow	11
SMSR-407-150	1,587	2	793	Green/Grey	12
SMSR-409-150	1,800	2	900	Brown/Grey	12
SMSR-410-150	2,050	2	1,025	Yellow/Grey	12

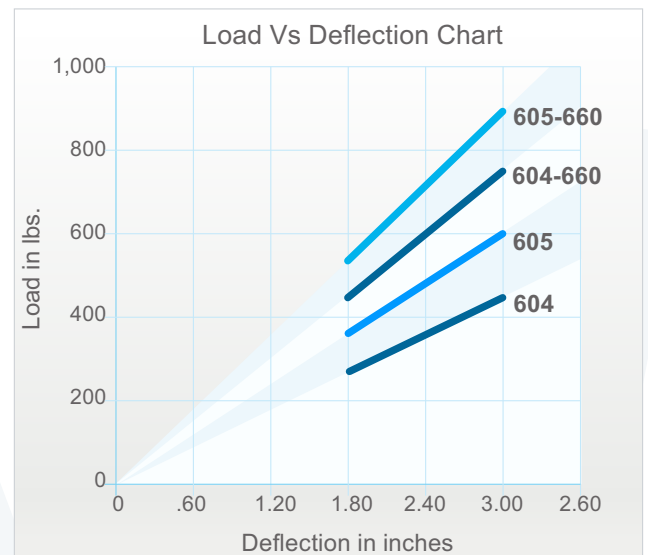
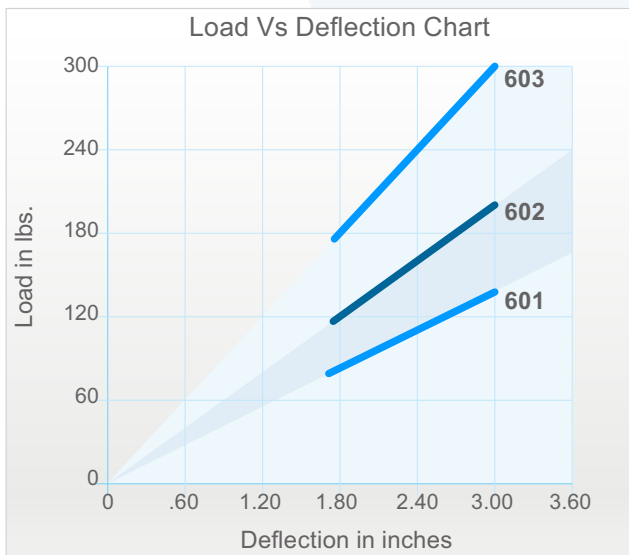
Models are available in three configurations: SMSR-BA (angle), SMSR-BF (flat top), and SMSR-BT (top bolt).



3" DEFLECTION SEISMIC RESTRAINED SPRING MOUNT

Model	Rated Load (lbs)	Deflection at Rated Load (lin)	Spring Rate (lbs/in)	Spring Color	Ship. Weight (lbs)
SMSR-601	140	3	46.6	Blue	12
SMSR-602	200	3	66.6	Yellow	12
SMSR-603	300	3	100	Orange	12
SMSR-604	450	3	150	Red	12
SMSR-605	600	3	200	Green	12
SMSR-604-660	750	3	250	Red/Grey	13
SMSR-605-660	900	3	300	Green/Grey	13

Models are available in three configurations: SMSR-BA (angle), SMSR-BF (flat top), and SMSR-BT (top bolt).



Model nomenclature:

SMSR-BT-410

Spring's Name

BA = Angle
BF = Flat top
BT = Top with bolt

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.
- 300 Spring: 3" Outside diameter x 4.75" Free Length.
- 310 Spring: 1.75" Outside diameter x 4.75" Free Length.
- 400 Spring: 3" Outside diameter x 5.75" Free Length.
- 150 Spring: 2" Outside diameter x 5.75" Free Length.
- 600 Spring: 3" Outside diameter x 6.75" Free Length
- 660 Spring: 2" Outside diameter x 6.75" Free Length
- Rated load is the maximum load recommended.