

## 1" & 2" DEFLECTION 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.

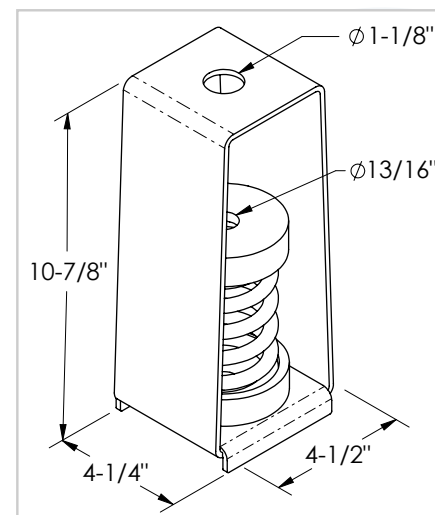


### Recommended for:

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

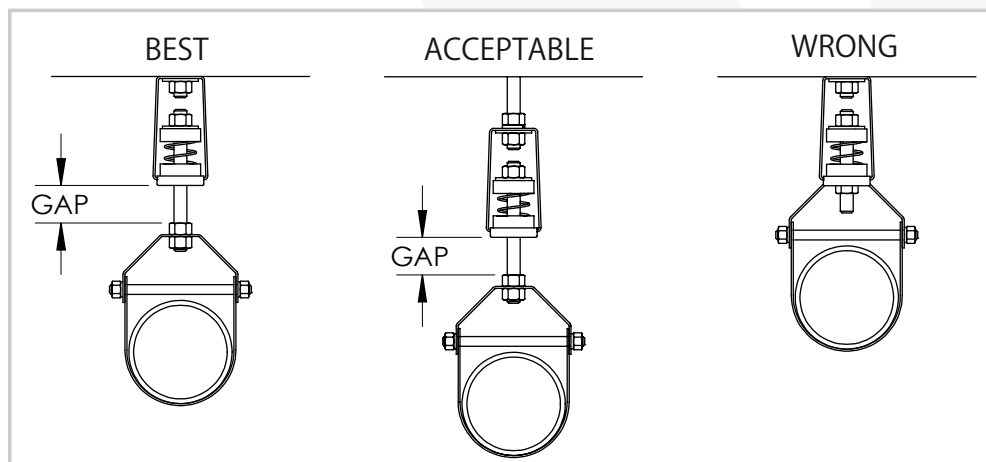
### Features:

- ✓ 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.



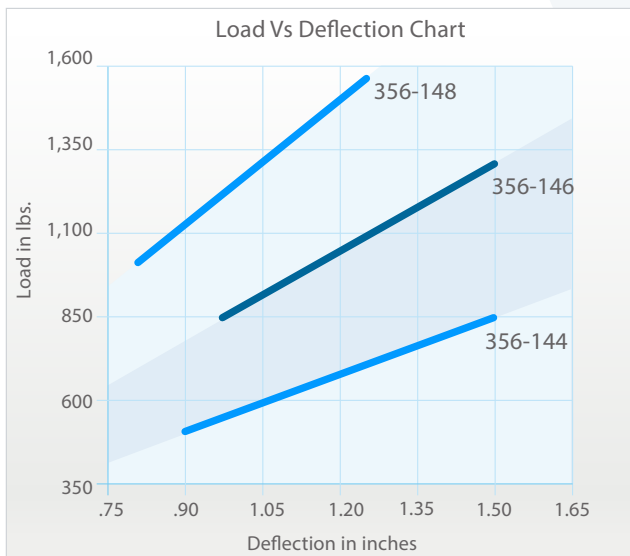
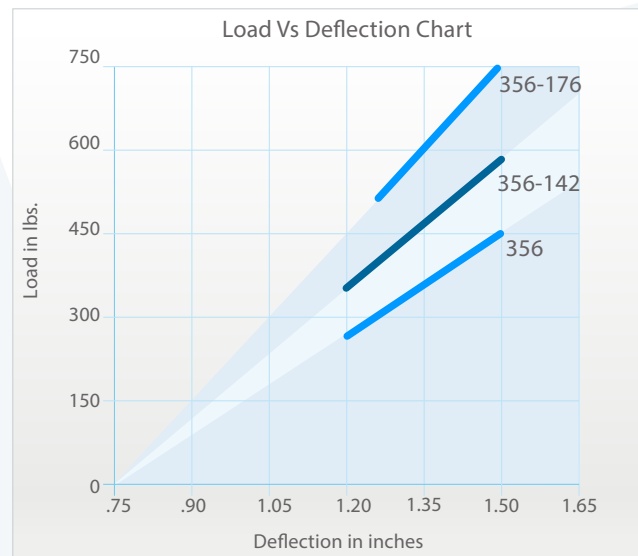
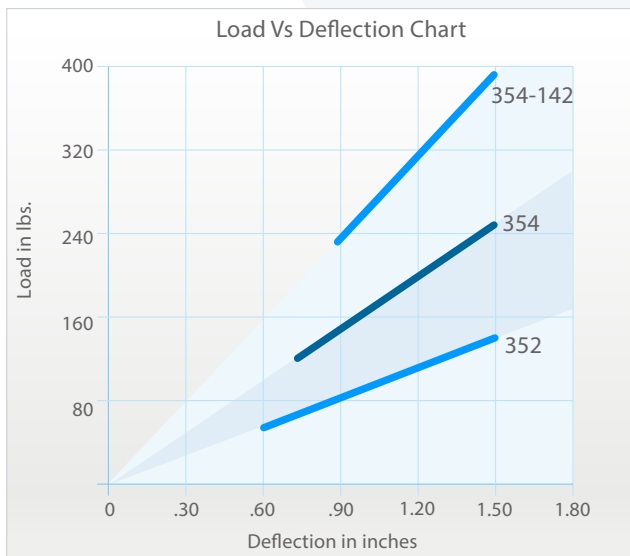
### Installation Instructions:

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.



## 1" DEFLECTION SPRING HANGERS

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	166	Purple
HD-S-354-142	385	1-1/2	256	Purple/Blue
HD-S-356	450	1-1/2	300	Black
HD-S-356-142	585	1-1/2	390	Black/Blue
HD-S-356-176	750	1-1/2	500	Black/Black
HD-S-356-144	850	1-1/2	567	Black/Brown
HD-S-356-146	1,300	1-1/2	867	Black/Yellow
HD-S-356-148	1,575	1-1/4	1,260	Black/Green



### 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.

## 2" DEFLECTION 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

