

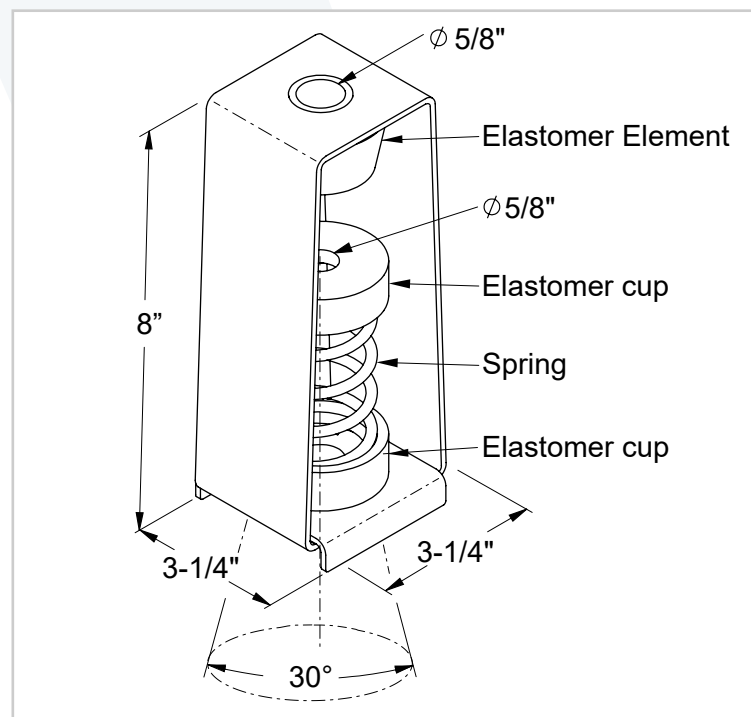
## 1" DEFLECTION SPRING ELASTOMER HANGERS

**HB-S-E** models are heavy-duty hangers featuring a newly designed steel housing with downward-bent sides at the base. This design significantly enhances the rigidity of the steel frame, preventing the bottom plate from bending under heavy loads. These hangers incorporate three elastomer components. The top elastomer cup includes a vulcanized steel washer to ensure uniform load distribution. The bottom elastomer cup features a projecting bushing that prevents the rod from contacting the steel frame. Additionally, the elastomer element includes a vulcanized steel washer for optimal load distribution and a projecting bushing for precise centering within the housing's top opening. Three hardness options are available to accommodate different load requirements. These elastomer components effectively reduce the transfer of vibration and noise.



### Recommended for:

Elastomer spring hangers are designed for use in fan coil units, air circulation systems (VAV), piping, ductwork, and other suspended structures and building services.

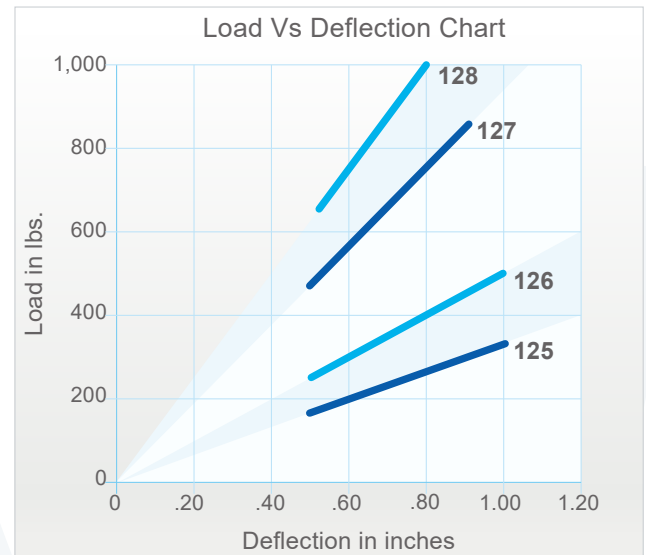
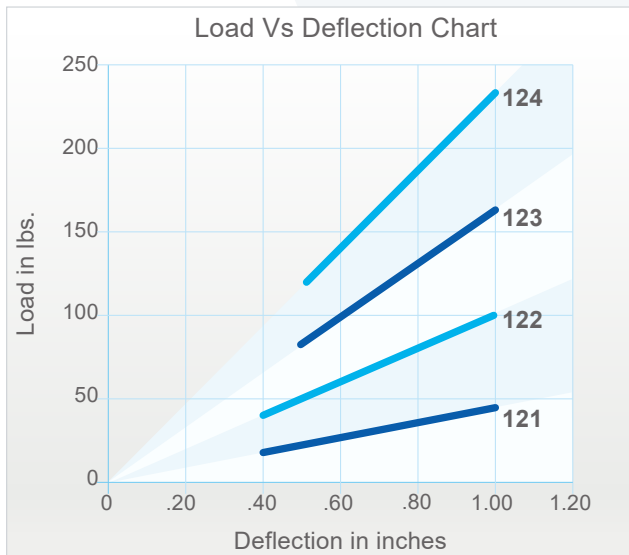


### Features:

- ✓ Safety factor: Springs will accommodate an additional 50% load from the rated load to the solid load.
- ✓ All hangers' elements are safe at solid load.
- ✓ All springs are designed with a horizontal stiffness of 1.0 times of the vertical rated stiffness ( $K_x / K_y$ ).
- ✓ Recommended load range: from 50% of rated load to rated load.
- ✓ Yellow 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.
- ✓ HB-S-E hangers allow a rod misalignment of 30°.

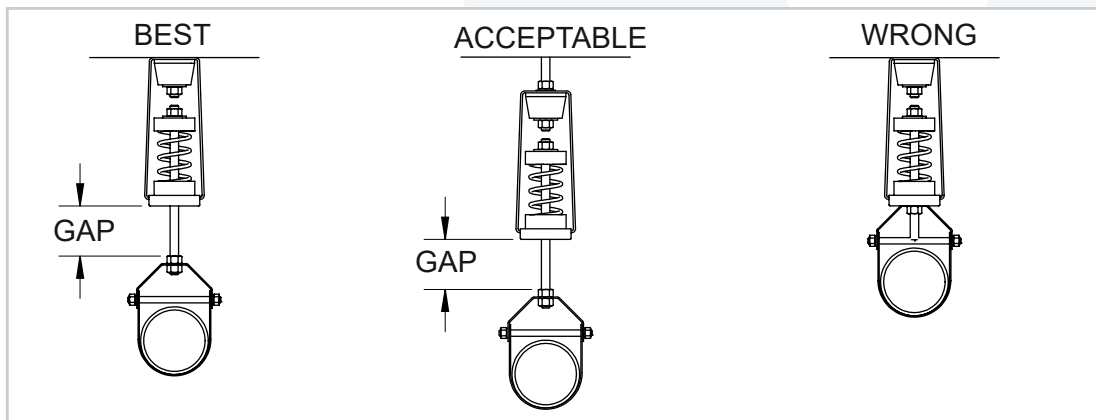
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Model	Rated Load (lbs)	Deflection at Rated Load (lin)	Spring Rate (lbs/in)	Spring Color	Ship. Weight (lin)
HB-S-121-E2-40	45	1	45	Grey	3.3
HB-S-122-E2-40	100	1	100	Black	3.3
HB-S-123-E2-40	165	1	165	Pink	3.3
HB-S-124-E2-60	235	1	235	Blue	3.3
HB-S-125-E2-60	335	1	335	Red	3.3
HB-S-126-E2-80	500	1	500	Brown	3.3
HB-S-127-E2-80	850	.89	950	Yellow	3.3
HB-S-128-E2-80	1,000	.80	1,250	Green	3.3



### Installation Instructions:

For optimal isolator performance, install hangers with the specified gap as shown below. Designed to accommodate minor misalignments, these hangers support a maximum recommended rod diameter of 1/2", allowing up to 30° of movement before contacting the elastomeric bottom cup.



### Notes:

- a) 120 Spring: 2" Outside diameter x 3" Free Length.
- b) Rated load is the maximum load recommended.