



### Description

Kinetics Model SRH Vibration Isolation hangers consist of free-standing, large diameter, laterally stable steel springs in series with an elastomer-in-shear insert, assembled into a stamped or welded hanger bracket. Hangers incorporate a high deflection, color-coded spring element with load transfer plate and a 0.4" (10 mm) deflection elastomeric isolator complete with load transfer plate. To assure stability, the spring element has a minimum lateral spring stiffness of 1.0 times the rated vertical stiffness. Springs are epoxy powder coated, with a 1000 hour salt spray rating per ASTM B-117. Hangers will allow a support rod misalignment through a 30° arc without short circuiting. Isolation brackets will carry a 500% overload without failure. Hangers are available in deflections from 4.09" to 4.40" (104 mm to 112 mm), and in capacities from 100 to 3850 lbs. (46 to 1747 kg). Model SRH hangers are superior to hangers which incorporate a spring only, which will transmit noise through the all-metal construction, and hangers which incorporate noise stop pads only, which will transmit low frequency vibration that a spring can isolate. Kinetics Model SRH Combination Hangers are recommended for the isolation of vibration produced by suspended mechanical equipment, low speed suspended fans, transformers, ductwork, piping, etc.

### Application

Kinetics Model SRH hangers are used to isolate suspended sources of both audible and inaudible noise and vibration. Suspended mechanical equipment such as in-line fans, cabinet fans, and piping and ductwork in close proximity to mechanical equipment are typical uses of Model SRH hangers. High sound transmission loss ceiling systems can be isolated by the use of Model SRH hangers in the ceiling suspension system.

Standard Model SRH hangers are shipped fully assembled and ready for installation in threaded metal rod suspension systems.

Model SRH hangers are available in a wide range of load and static deflection selections and can be provided with labor-saving accessories for adaption to wire or strap suspension systems, and may be preloaded or provided with positioning plates for ease in erecting piping at a fixed elevation.

### Specifications

Vibration isolators for suspended equipment with minimum static deflection requirement exceeding 0.4" (10 mm), and where both high and low frequency vibrations are to be isolated, shall be hangers consisting of a laterally stable steel spring in series with an elastomer-in-shear insert complete with load transfer plates and assembled in a stamped or welded steel bracket.

The bracket shall be finished with an epoxy-based powder coating. The manufacturer shall provide independent laboratory testing showing that the bracket with this finish has endured a minimum of 1,000 hours of exposure to salt spray fog testing per ASTM B117 without signs of corrosion.

The elastomer insert shall be molded from oil-resistant compounds and shall be color coded to indicate load capacity and selected to operate within its published load range.

The spring element shall have a minimum lateral stiffness of 1.0 times the rated vertical stiffness.

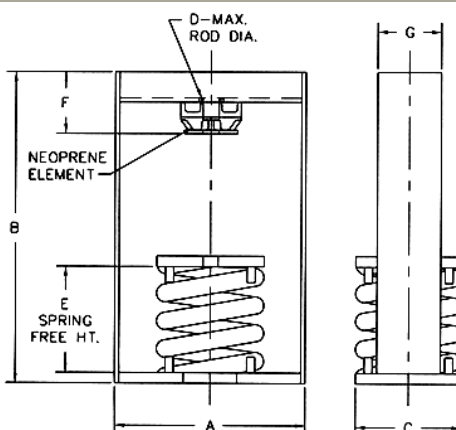
Springs shall be color coded or otherwise identified to indicate load capacity.

The hanger bracket shall be designed to carry a 500% overload without failure and to allow a support rod misalignment through a 30° arc without metal-to-metal contact or other short circuit.

Isolation hangers shall be selected by the manufacturer for each specific application to comply with deflection requirements as shown on the Vibration Isolation Schedule or as indicated on the project documents.

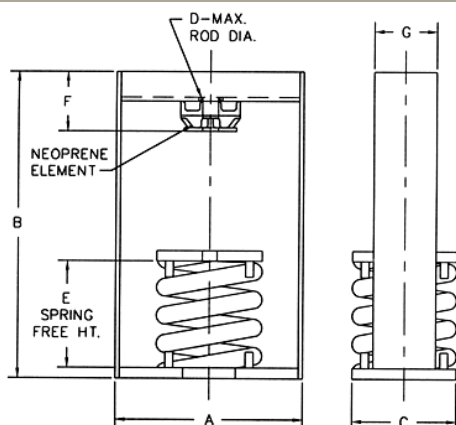
The combination isolation hanger assembly with neoprene insert shall be Model SRH, as manufactured by Kinetics Noise Control, Inc.

## SRH-4-100/1600



Model	Spring Color	Rated Load lb/kg	Rated Deflection in/mm	A in/mm	B in/mm	C in/mm	D in/mm	E in/mm	F in/mm	G in/mm
SRH-4-100	Gray	100/46	4.10/104	9.38/238	16.00/406	6.00/152	.88/22	10.00/254	2.89/73	4.00/102
SRH-4-250	Blue	250/114	4.20/107	9.38/238	16.00/406	6.00/152	.88/22	10.00/254	2.89/73	4.00/102
SRH-4-500	Green	500/227	4.15/105	9.38/238	16.00/406	6.00/152	.88/22	10.00/254	2.89/73	4.00/102
SRH-4-750	Black	750/341	4.25/108	9.38/238	16.00/406	6.00/152	.88/22	10.00/254	2.89/73	4.00/102
SRH-4-1000	Red	1000/455	4.28/109	9.38/238	16.00/406	6.00/152	.88/22	10.00/254	2.89/73	4.00/102
SRH-4-1250	Brown	1250/568	4.35/110	9.38/238	16.00/406	6.00/152	.88/22	10.00/254	2.89/73	4.00/102
SRH-4-1600	Orange	1600/727	4.40/112	9.38/238	16.00/406	6.00/152	.88/22	10.00/254	2.89/73	4.00/102

## SRH-4-2250/3850



Model	Spring Color	Rated Load lb/kg	Rated Deflection in/mm	A in/mm	B in/mm	C in/mm	D in/mm	E in/mm	F in/mm	G in/mm
SRH-4-2250	Beige	2250/1023	4.09/104	13.5/343	18.5/470	8.00/203	.87/22	11.5/292	3.17/81	6.00/152
SRH-4-2500	Beige/Blue	2500/1136	4.10/104	13.5/343	18.5/470	8.00/203	.87/22	11.5/292	3.17/81	6.00/152
SRH-4-2750	Beige/Green	2750/1250	4.12/105	13.5/343	18.5/470	8.00/203	.87/22	11.5/292	3.17/81	6.00/152
SRH-4-3000	Beige/Black	3000/1364	4.13/105	13.5/343	18.5/470	8.00/203	1.00/25	11.5/292	3.17/81	6.00/152
SRH-4-3250	Beige/Red	3250/1475	4.14/105	13.5/343	18.5/470	8.00/203	1.00/25	11.5/292	3.17/81	6.00/152
SRH-4-3500	Beige/Brown	3500/1588	4.15/105	13.5/343	18.5/470	8.00/203	1.00/25	11.5/292	3.17/81	6.00/152
SRH-4-3850	Beige/Orange	3850/1747	4.16/106	13.5/343	18.5/470	8.00/203	1.00/25	11.5/292	3.17/81	6.00/152