

ISOLADORES SUSPENSOS

SRH-1 & SRH-2 – Mola e Neoprene

NEW

Patented, Self-Centering Cap Epoxy Powder Coated Bracket and Spring Coil

How the self centering no short cap works:

Indexed steps in spring cap correspond to standard washer diameters for the appropriate rod diameter. The washer and rod stay centered in the cap

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. 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 1.20" to 2.40" (30 to 61 mm), and in capacities from 35 to 3500 lbs. (16 to 1588 kg). Model SRH hangers are superior to hangers which incorporate a spring only, that can transmit noise through the all metal construction, and hangers which incorporate noise stop pads only, which will transmit low frequency vibration that a spring would 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 adaptation 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 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.

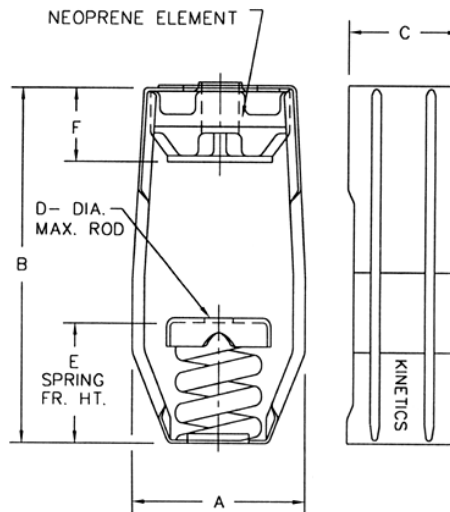
Springs shall be color coded or otherwise identified to indicate load capacity.

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.

The hanger bracket shall incorporate spring caps with indexed steps which correspond to the washer diameter of the appropriately sized hanger rod to keep the rod centered in the spring cap and reduce rod misalignment. The spring caps are protected under U.S. patent number 5,653,426.

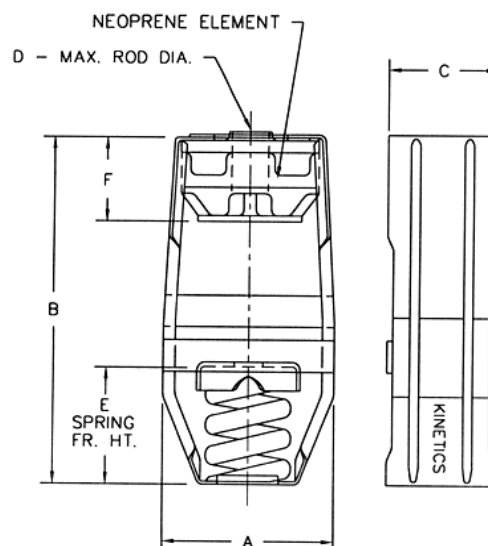
Isolation hangers shall be selected by the manufacturer for each specific application to comply with deflection requirements as shown on the Vibration Isolation Schedule or as indicated on the project documents.

SRH-1-250/1000



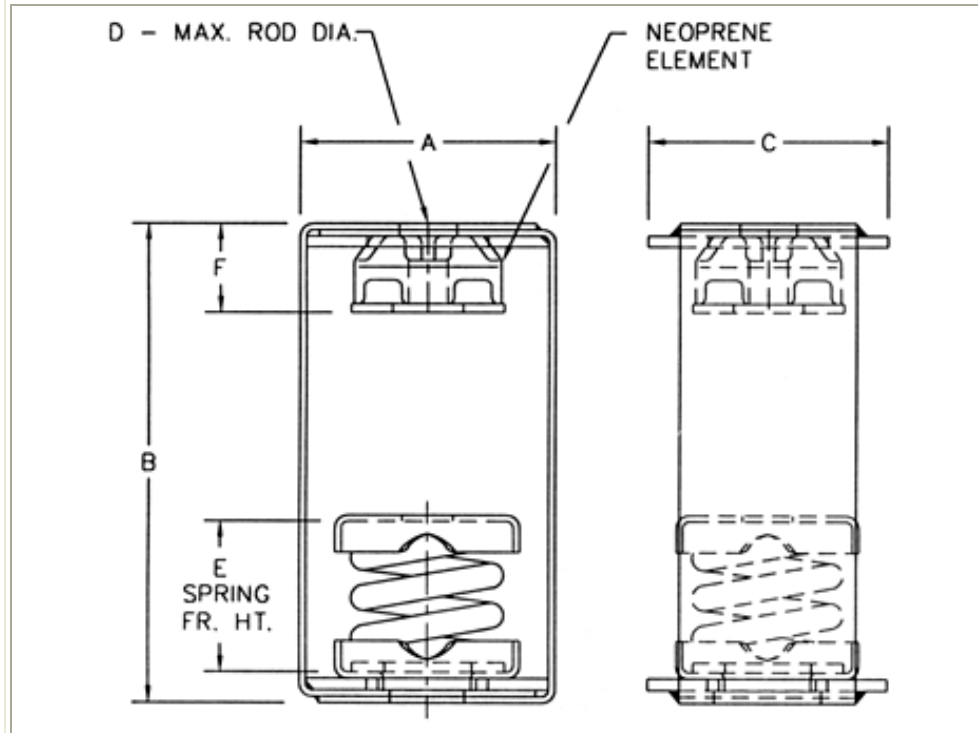
Spring Type	Spring Color	Rated Defl. in/mm	Rated Load lb/kg	A in/mm	B in/mm	C in/mm	D in/mm	E in/mm	F in/mm
SRH-1-250	Blue	2.14/54	250/114	5.58/142	8.59/218	3.63/92	.88/22	4.00/100	1.86/47
SRH-1-450	Green	1.94/49	450/205	5.58/142	8.59/218	3.63/92	.88/22	4.00/100	1.86/47
SRH-1-625	Black	1.79/45	625/284	5.58/142	8.59/218	3.63/92	.88/22	4.00/100	1.86/47
SRH-1-800	Gray	1.62/41	800/364	5.58/142	8.59/218	3.63/92	.88/22	4.00/100	1.86/47
SRH-1-1000	Red	1.50/38	1000/455	5.58/142	8.59/218	3.63/92	.88/22	4.00/100	1.86/47

SRH-1-1250/1700



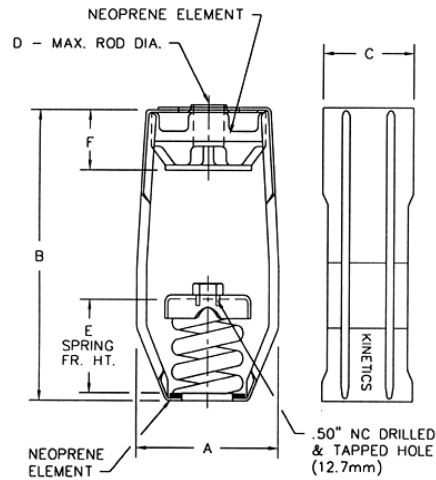
Spring Type	Spring Color	Rated Defl. in/mm	Rated Load lb/kg	A in/mm	B in/mm	C in/mm	D in/mm	E in/mm	F in/mm
SRH-1-1250	Brown	1.28/33	1250/568	5.58/142	8.59/218	3.63/92	.88/22	4.00/100	1.86/47
SRH-1-1700	Orange	1.34/34	1700/773	5.58/142	8.59/218	3.63/92	.88/22	4.00/100	1.86/47

SRH-1-2200/3500



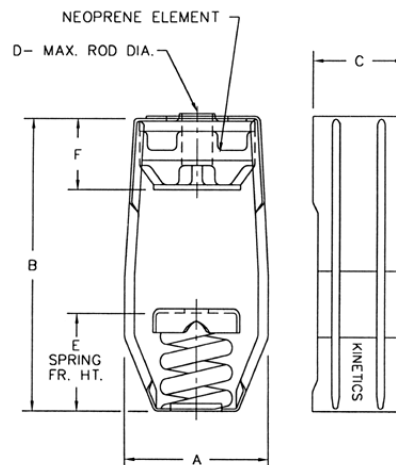
Spring Type	Spring Color	Rated Defl. in/mm	Rated Load lb/kg	A in/mm	B in/mm	C in/mm	D in/mm	E in/mm	F in/mm
SRH-1-2200	Orange/Gray	1.36/32	2200/998	5.00/127	9.50/241	4.75/121	.88/22	4.00/100	1.86/47
SRH-1-2465	Blue	1.42/33	2465/1118	5.00/127	9.50/241	4.75/121	.88/22	4.00/100	1.86/47
SRH-1-2865	Blue/Gray	1.20/34	2865/1300	5.00/127	9.50/241	4.75/121	.88/22	4.00/100	1.86/47
SRH-1-3500	Blue/Brown	1.18/30	3500/1588	5.00/127	9.50/241	4.75/121	.88/22	4.00/100	1.86/47

SRH-2-35/220



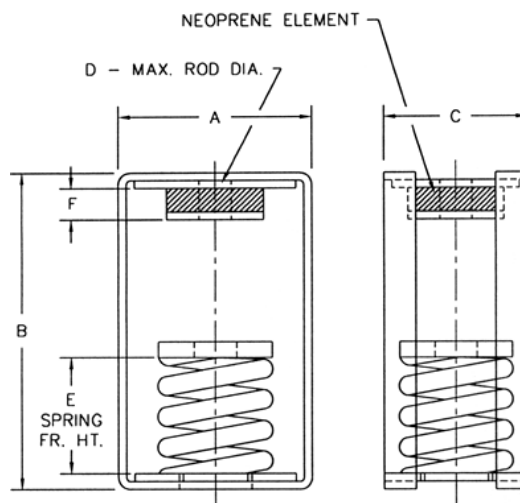
Spring Type	Spring Color	Rated Defl. in/mm	Rated Load lb/kg	A in/mm	B in/mm	C in/mm	D in/mm	E in/mm	F in/mm
SRH-2-35	Blue	2.10/53	35/16	3.69/94	7.38/187	2.25/57	.50/13	4.38/111	1.61/41
SRH-2-70	Green	2.20/56	70/32	3.69/94	7.38/187	2.25/57	.50/13	4.38/111	1.61/41
SRH-2-120	Gray	2.30/58	120/55	3.69/94	7.38/187	2.25/57	.50/13	4.38/111	1.61/41
SRH-2-220	Brown	2.40/61	220/100	3.69/94	7.38/187	2.25/57	.50/13	4.38/111	1.61/41

SRH-2-260/1200



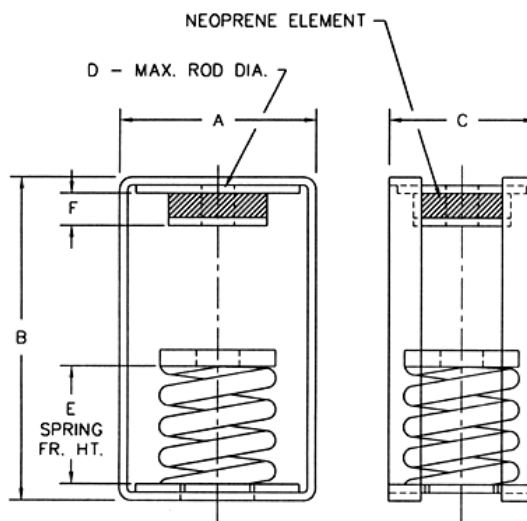
Spring Type	Spring Color	Rated Load lb/kg	Rated Defl. in/mm	A in/mm	B in/mm	C in/mm	D in/mm	E in/mm	F in/mm
SRH-2-260	Blue	260/118	2.14/54	5.58/142	8.59/218	3.63/92	.88/22	4.00/100	1.86/47
SRH-2-465	Green	465/211	2.00/50	5.58/142	8.59/218	3.63/92	.88/22	4.00/100	1.86/47
SRH-2-720	Black	720/328	2.00/50	5.58/142	8.59/218	3.63/92	.88/22	4.00/100	1.86/47
SRH-2-850	White	850/386	2.03/52	5.58/142	8.59/218	3.63/92	.88/22	4.25/108	1.86/47
SRH-2-1025	Beige	1025/466	2.00/50	5.58/142	8.59/218	3.63/92	.88/22	4.25/108	1.86/47
SRH-2-1200	Chrome	1200/546	2.03/52	5.58/142	8.59/218	3.63/92	.88/22	4.50/114	1.86/47

SRH-2-2000/2500



Spring Type	Spring Color	Rated Defl. in/mm	A in/mm	B in/mm	C in/mm	D in/mm	E in/mm	F in/mm
SRH-2-2000	Orange	2.11/54	6.00/152	12.00/305	6.00/152	1.00/25	7.00/178	1.25/32
SRH-2-2500	Blue	2.12/54	6.00/152	12.00/305	6.00/152	1.00/25	7.00/178	1.25/32

SRH-2-2700/3250



Spring Type	Spring Color	Rated Load lb/kg	Rated Defl. in/mm	A in/mm	B in/mm	C in/mm	D in/mm	E in/mm	F in/mm
SRH-2-2750	Blue/Blue	2750/1245	2.16/55	6.00/152	12.00/305	6.00/152	1.00/25	7.00/178	1.25/32
SRH-2-3025	Blue/Green	3025/1375	2.20/56	6.00/152	12.00/305	6.00/152	1.00/25	7.00/178	1.25/32
SRH-2-3250	Blue/Black	3250/1475	2.20/56	6.00/152	12.00/305	6.00/152	1.00/25	7.00/178	1.25/32



Kinetics Noise Control, Inc. is continually upgrading the quality of our products. We reserve the right to make changes to this and all products without notice.

