

# KINETICS®

## 1" and 2" Deflection Spring Isolators Model SHU

### Description

Kinetics SHU spring isolators provide an effective spring vibration isolator, with steel-reinforced molded neoprene top and bottom load caps, for incorporation into the suspension rods of trapeze-type mounting systems for mechanical equipment, piping, and ductwork systems.

HU spring isolators incorporate a colorcoded steel spring, which for most models tabulated meets all specifications for Kinetics spring isolators providing high horizontal stability and 50% overload capacity. All model SHU spring isolators include molded elastomer and steel load caps for a metal-to-metal break in the support system. Rated static deflections range from 0.55" to 1.79" (14 mm - 45 mm) for rated loads tabulated on the reverse side of this sheet.



### Application

Kinetics SHU spring isolators are used to isolate suspended sources of low frequency vibration, mounted on steel platform or trapeze systems in non-critical locations.

Model SHU spring isolators are typically used in threaded steel rod and trapeze or platform support systems to isolate vibration produced by in-line fans, cabinet fans, and piping and ductwork in close proximity to mechanical equipment.

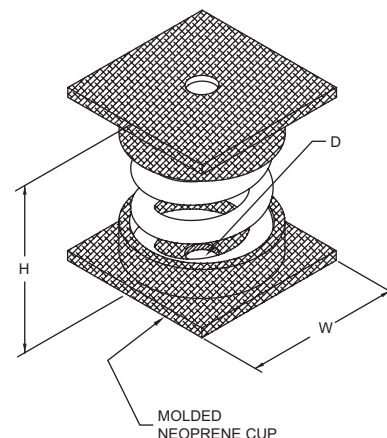
Model SHU spring isolators are typically placed below a trapeze or platform supporting mechanical equipment. Threaded steel rods pass down through drilled oversized holes in the trapeze, through the Model SHU spring, and transfer equipment loads to the spring using nuts and washers threaded onto the suspension rod.

Hanger Type	Spring Coil					Rated Load		Dimensions					
	Color	Free HT		O.D.		Load		H		W		D	
		in	mm	in	mm	lbs	kg	in	mm	in	mm	in	mm
SHU-1-35	Blue	3.19	81	1.75	45	35	16	3.50	89	2.63	67	0.69	18
SHU-1-70	Green	3.19	81	1.75	45	70	32	3.50	89	2.63	67	0.69	18
SHU-1-120	Gray	3.19	81	1.75	45	120	54	3.50	89	2.63	67	0.69	18
SHU-1-220	Brown	3.19	81	1.75	45	220	100	3.50	89	2.63	67	0.69	18
SHU-1-370	Orange	3.19	81	1.75	45	370	168	3.50	89	2.63	67	0.69	18
SHU-1-500	Beige	3.19	81	1.75	45	500	227	3.50	89	2.63	67	0.69	18
SHU-1-600	Chrome	3.19	81	1.75	45	600	272	3.50	89	2.63	67	0.69	18
SHU-1-700	Bge/Wht	3.19	81	1.75	45	700	318	3.50	89	2.63	67	0.69	18
SHU-1-805	Chr/Wht	3.19	81	1.75	45	805	365	3.50	89	2.63	67	0.69	18
SHU-1-50	Beige	4.20	107	3.00	76	50	23	4.75	121	4.95	99	1.00	25
SHU-1-100	Chrome	4.20	107	3.00	76	100	45	4.75	121	4.95	99	1.00	25
SHU-1-250	Blue	4.20	107	3.00	76	250	115	4.75	121	4.95	99	1.00	25
SHU-1-450	Green	4.20	107	3.00	76	450	205	4.75	121	4.95	99	1.00	25
SHU-1-625	Black	4.20	107	3.00	76	325	285	4.75	121	4.95	99	1.00	25
SHU-1-800	Gray	4.20	107	3.00	76	800	365	4.75	121	4.95	99	1.00	25
SHU-1-1000	Red	4.20	107	3.00	76	1000	455	4.75	121	4.95	99	1.00	25
SHU-1-1250	Brown	4.20	107	3.00	76	1250	565	4.75	121	4.95	99	1.00	25
SHU-1-1700	Orange	4.20	107	3.00	76	1700	770	4.75	121	4.95	99	1.00	25
SHU-1-2200	Org/Gry	4.20	107	3.00	76	2200	998	4.75	121	4.95	99	1.00	25
SHU-1-2465	Blue	4.20	107	3.00	76	2465	1180	4.75	121	4.95	99	1.00	25
SHU-1-2865	Blu/Gry	4.20	107	3.00	76	2865	1300	4.75	121	4.95	99	1.00	25
SHU-1-3500	Blu/Brm	4.20	107	3.00	76	3500	1588	4.75	121	4.95	99	1.00	25
SHU-2-100	Gray	5.75	146	3.50	89	100	45	6.50	165	6.84	111	1.00	25
SHU-2-250	Blue	5.75	146	3.50	89	250	115	6.50	165	6.84	111	1.00	25
SHU-2-500	Green	5.75	146	3.50	89	500	225	6.50	165	6.84	111	1.00	25
SHU-2-750	Black	5.75	146	3.50	89	750	340	6.50	165	6.84	111	1.00	25
SHU-2-995	Orange	5.75	146	3.50	89	995	450	6.50	165	6.84	111	1.00	25
SHU-2-1400	Org/Grn	5.75	146	3.50	89	1400	635	6.50	165	6.84	111	1.00	25
SHU-2-1600	Red	5.75	146	3.50	89	1600	727	6.50	165	6.84	111	1.00	25
SHU-2-1975	Red/Grn	5.75	146	3.50	89	1975	898	6.50	165	6.84	111	1.00	25

## Specifications

Kinetics SHU Spring Isolators shall include a steel spring vibration isolator and shall include molded neoprene and steel load caps to break metal-to-metal contact between supporting and supported members. The spring element shall be color coded for capacity and shall be polyester powder coated, and shall have a 1000 hr rating when tested in accordance with ASTM B-117.

Model SHU spring isolators, used in suspension systems including trapeze supports for mechanical equipment, shall be incorporated into suspension rods in a manner that allows no metal-to-metal contact between suspension rods and suspended equipment. Spring isolators shall be Model SHU as manufactured by Kinetics.



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