

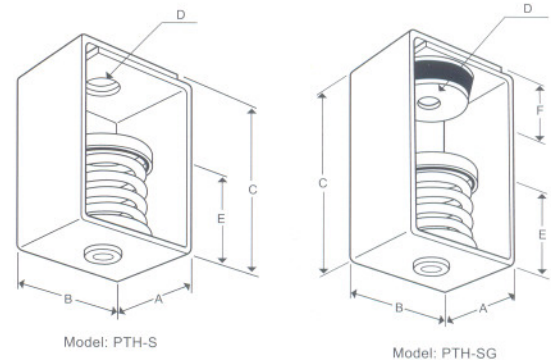
## PTH-S • SPRING VIBRATION ISOLATING HANGER

## PTH-SG • SPRING AND RUBBER VIBRATION ISOLATING HANGER

TOZEN PTH-S Series vibration isolating hangers consist of a rectangular steel box incorporated with a free standing, laterally stable steel spring with load transfer steel cup with rubber washer. PTH-SG comes in series with a noise absorbing hanger rubber for better performance. This combination takes advantage of the best properties of both materials. Both design permits installation in the hanger rods or at the ceiling.

### APPLICATION

Tozen PTH-S & PTH-SG 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 Tozen PTH-S & PTH-SG hangers. Standard PTH-S & PTH-SG hangers are shipped fully assembled and ready for installation in threaded metal rod suspension systems. Tozen PTH-S & PTH-SG hangers can be provided with labour saving accessories for adaption to wire or strap suspensions systems. Both models may be factory preloaded or provided with positioning plate for ease in erecting piping at a fixed elevation. Higher load capacities, larger deflections and 30 degree ARC capacity are available.



### PTH-S 25mm DEFLECTION SPRING VIBRATION ISOLATING HANGER

(mm)

Model	Rated Capacity		Spring Constant (Kg/mm)	Spring Colour Code	(A)	(B)	(C)	(D)	(E)
	(Kgs)	(Lbs)							
PTH-S-10	10	22	0.4	GREEN					
PTH-S-15	15	33	0.6	BLUE					
PTH-S-25	25	55	1	WHITE					
PTH-S-35	35	77	1.4	YELLOW					
PTH-S-50	50	110	2	ORANGE	60	85	140	15	92
PTH-S-80	80	176	3.2	PURPLE(PINK)					
PTH-S-120	120	264	4.8	RED					
PTH-S-175E	175	385	7	SILVER					
PTH-S-225E	225	495	9	BROWN(GOLD)					
PTH-S-300	300	660	12	RED				18	115
PTH-S-450	450	990	18	GREEN				18	115
PTH-S-600E	600	1320	24	SILVER	85	115	180	24	120
PTH-S-825E	825	1815	33	BROWN(GOLD)				24	120
PTH-S-1100E	1100	2420	44	BLUE				24	120
PTH-S-1202E	1200	2640	48	SILVER					
PTH-S-1652E	1650	3630	66	BROWN(GOLD)					
PTH-S-1952E	1950	4290	78	BROWN+WHITE	230	124	290	30	145
PTH-S-2202E	2200	4840	88	BLUE					
PTH-S-2502E	2500	5500	100	BLUE+WHITE					
PTH-S-2802E	2800	6160	112	BLUE+BROWN					
PTH-S-3304E	3300	7260	132	BROWN(GOLD)					
PTH-S-3904E	3900	8580	156	BROWN+WHITE	195	235	300	36	148
PTH-S-4404E	4400	9680	176	BLUE					
PTH-S-5004E	5000	11000	200	BLUE+WHITE					
PTH-S-5604E	5600	12320	224	BLUE+BROWN					

**PTH-SG 25mm DEFLECTION SPRING AND RUBBER VIBRATION ISOLATING HANGER**

(mm)

Model	Rated Capacity		Spring Constant (Kg/mm)	Spring Colour Code	(A)	(B)	(C)	(D)	(E)	(F)	Maximum Rod Dia. (MRD)
	(Kgs)	(Lbs)									
PTH-SG-10	10	22	0.4	GREEN							
PTH-SG-15	15	33	0.6	BLUE							
PTH-SG-25	25	55	1	WHITE							
PTH-SG-35	35	77	1.4	YELLOW							
PTH-SG-50	50	110	2	ORANGE	60	85	180	15	92	34	14
PTH-SG-80	80	176	3.2	PURPLE(PINK)							
PTH-SG-120	120	264	4.8	RED							
PTH-SG-175E	175	385	7	SILVER							
PTH-SG-225E	225	495	9	BROWN							
PTH-SG-150	150	330	6	ORANGE							
PTH-SG-200	200	440	8	PURPLE(PINK)	85	115	225	18	115	48	16
PTH-SG-300	300	660	12	RED							
PTH-SG-450	450	990	18	GREEN							
PTH-SG-600E	600	1320	24	SILVER							
PTH-SG-825E	825	1815	33	BROWN(GOLD)	100	130	265	20	117	59	18
PTH-SG-1100E	1100	2420	44	BLUE							

**PTH-S2 50mm DEFLECTION SPRING VIBRATION ISOLATING HANGER**

(mm)

Model	Rated Capacity		Spring Constant (Kg/mm)	Spring Colour Code	(A)	(B)	(C)	(D)	(E)
	(Kgs)	(Lbs)							
PTH-S2-25	25	55	0.5	WHITE					
PTH-S2-35	35	77	0.7	YELLOW					
PTH-S2-50	50	110	1	ORANGE					
PTH-S2-80E	80	176	1.6	PURPLE(PINK)	85	115	180	18	133
PTH-S2-125E	125	275	2.5	RED					
PTH-S2-175E (S)	175	385	3.5	SILVER					
PTH-S2-250E	250	550	5	BROWN(GOLD)					
PTH-S2-175E (M)	175	385	3.5	ORANGE					
PTH-S2-245E	245	539	4.9	PURPLE(PINK)					
PTH-S2-350E	350	770	7	RED	100	130	230	24	165
PTH-S2-525E	525	1155	10.5	GREEN					
PTH-S2-750E	750	1650	15	SILVER					
PTH-S2-1502E	1500	3300	30	SILVER	260	134	330	30	190
PTH-S2-2102E	2100	4620	42	SILVER+BROWN					
PTH-S2-3004E	3000	6600	60	SILVER	220	260	340	36	193
PTH-S2-4204E	4200	9240	84	SILVER+BROWN					

**PTH-SG2 50mm DEFLECTION SPRING VIBRATION ISOLATING HANGER**

(mm)

Model	Rated Capacity		Spring Constant (Kg/mm)	Spring Colour Code	(A)	(B)	(C)	(D)	(E)	(F)	Maximum Rod Dia. (MRD)
	(Kgs)	(Lbs)									
PTH-SG2-25	25	55	0.5	WHITE							
PTH-SG2-35	35	77	0.7	YELLOW							
PTH-SG2-50	50	110	1	ORANGE							
PTH-SG2-80E	80	176	1.6	PURPLE(PINK)	85	115	230	15	133	34	14
PTH-SG2-125E	125	275	2.5	RED							
PTH-SG2-175E (S)	175	385	3.5	SILVER							
PTH-SG2-250E	250	550	5	BROWN(GOLD)							
PTH-SG2-175E (M)	175	385	3.5	ORANGE							
PTH-SG2-245E	245	539	4.9	PURPLE(PINK)	100	130	270	18	165	48	16
PTH-SG2-350E	350	770	7	RED							
PTH-SG2-525E	525	1155	10.5	GREEN	100	130	270	20	165	59	18
PTH-SG2-750E	750	1650	15	SILVER							

Note:

- All springs are free standing and laterally stable. (Outside diameter shall not less than 0.8 times of compressed height)
- All springs are designed to provide additional travel to solid of at least 50% rated load.
- Please refer to relevant brochure or contact our sales department for greater deflection and loading.

Specifications are subject to change without prior notice.