



1" (25 mm) Deflection PSH Precompressed Spring Hangers

PSH-1

File No.: DS-PSH1-009 Date: 07 Nov 2020

Supersedes: DS-PSH1-008 Date: 24 Feb 2016

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13/16" (21 mm) Ø hole PSH-1N max rod Ø: shown with cut-away 3/4" (19 mm) hanger box adjustment nut and washer acoustic washer compression cup color-coded spring precompressed to 2/3 of deflection at rated precompression plate jam nut 2nd jam nut is required 1/2" (13 mm) Ø, for seismic application 8" (203 mm) long hanger rod

11/16" (27 mm) Ø hole PSH-1S max rod Ø: shown with cut-away 1" (25 mm) hanger box adjustment nut and washer acoustic washer compression cup color-coded spring(s) (single or nested) H2 precompressed to 2/3 of deflection at rated load precompresjam nut sion plate 2nd jam nut is required for seismic application 5/8" (16 mm) Ø, 8" (203 mm) long hanger rod

PERFORMANCE

Model	Spring Color outer-inner	Rated Load	Deflection at rated load	Isolator Weight †	
		lb kN	in mm	lb kg	
PSH-1N-50*	Blue	50 0.22	1.0 25	5.7 2.6	
PSH-1N-100*	White	100 0.44	1.0 25	6.0 2.7	
PSH-1N-150*	Orange	150 0.67	1.0 25	6.0 2.7	
PSH-1N-200*	Grey	200 0.89	1.0 25	6.3 2.8	
PSH-1N-300	Black	300 1.33	1.0 25	6.4 2.9	
PSH-1N-400	Green	400 1.78	1.0 25	6.5 2.9	
PSH-1N-500	Yellow	500 2.22	1.0 25	6.8 3.1	
PSH-1N-600	Red	600 2.67	1.0 25	6.9 3.1	
PSH-1N-800	Blue	800 3.56	1.0 25	7.1 3.2	
PSH-1S-900	Orange/Green	900 4.00	1.0 25	14.4 6.5	
PSH-1S-1000	White	1000 4.45	1.0 25	13.7 6.2	
PSH-1S-1100	White/White	1100 4.89	1.0 25	14.4 6.5	
PSH-1S-1200	White/Grey	1200 5.34	1.0 25	14.6 6.6	
PSH-1S-1300	White/Black	1300 5.78	1.0 25	14.8 6.7	
PSH-1S-1400	White/Green	1400 6.23	1.0 25	14.8 6.7	
PSH-1S-1500	White/Yellow	1500 6.67	1.0 25	15.1 6.9	
PSH-1S-1600	White/Red	1600 7.12	1.0 25	15.2 6.9	
PSH-1S-1800	White/Blue	1800 8.01	1.0 25	15.5 7.0	

DIMENSIONS: PSH-1N

Model	L	W H		H2*	R	
PSH-1N	in mm	in mm	in mm	in mm	in mm	
50-800	4 ¹ / 4 108	4 102	81 / 4 210	3 3/4 95	31/2 89	

* precompressed height

DIMENSIONS: PSH-1S

Model	L	W	Н	H2*	R	
PSH-1S	in mm	in mm	in mm	in mm	in mm	
900–1800	51 /2 140	4 1 /2 114	9 229	41/8 105	3 1/2 89	

* precompressed height

NOTES

- Spring hanger with steel spring and welded steel housing.
- Springs are precompressed to $^{2/3}$ of deflection at rated load
- Hanger is designed to allow support rod misalignment through a 30-degree arc without contacting the hanger box
- Precompression plate serves as vertical uplift stopwasher for seismically restrained equipment, duct or piping. A second jam nut must be added to lock it in place.
- Coupling (by others) is required for attaching to support rod
- Minimum 50% additional travel to solid
- · All elements safe at solid loading
- All hardware zinc-plated or powder-coated
- Springs hanger boxes are galvanized or powder-coated

Project:			plan view of hanger locations				1:	6:	
Customer:								2:	7:
Consultant:		1					3:	8:	
Consultant.			4					4:	9:
Dwg No.:	Rev:	Drawn by:]					5:	10:
V-A Project Manager:								QTY of sets required	:
TAG:				IENT:					
COMMENTS:									DATE: