VIBRO-ACOUSTICS®
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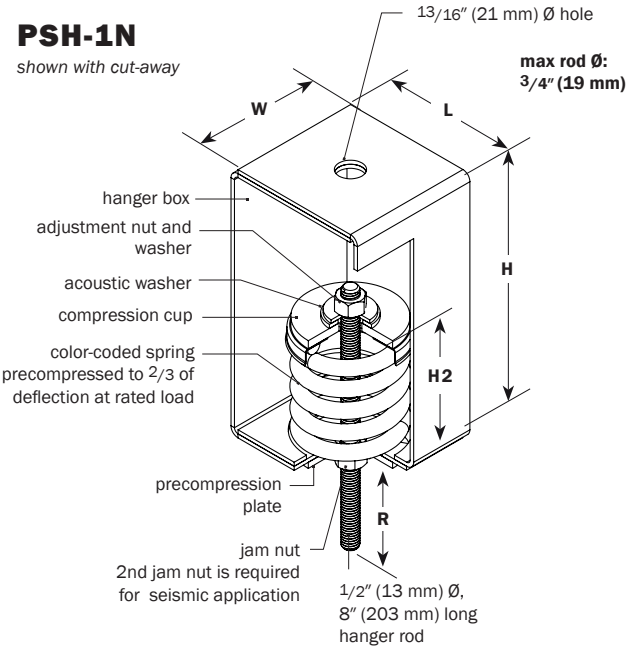
1″ (25 mm) Deflection PSH Precompressed Spring Hangers

PSH-1

File No.: DS-PSH1-009 Date: 24 Feb 2016
Supersedes: DS-PSH1-008 Date: 1 May 2015

PSH-1N

shown with cut-away



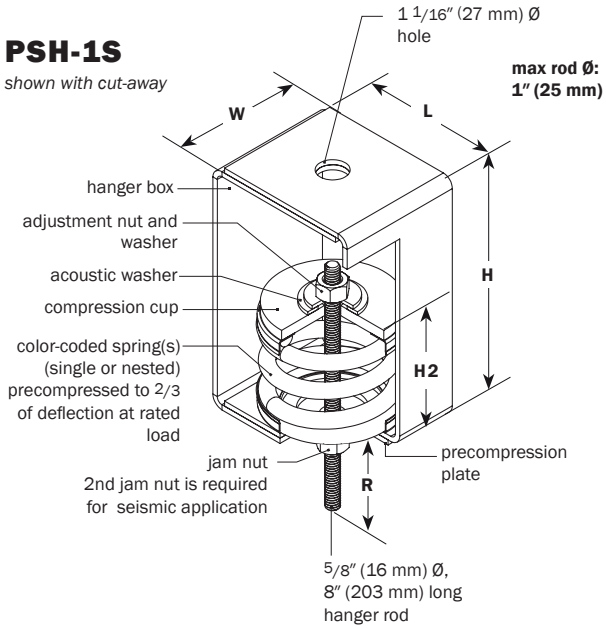
PERFORMANCE

Model	Spring Color	Rated Load		Deflection at rated load		Isolator Weight †	
	outer-inner	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*	Green	**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

* for smaller isolator, see PSH-SN † weights are approximate

PSH-1S

shown with cut-away



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	**8 1/4**	210	**3 3/4**	95	**3 1/2**	89

* precompressed height

DIMENSIONS: PSH-1S

Model	L		W		H		H2*		R	
PSH-1S	in	mm	in	mm	in	mm	in	mm	in	mm
900–1800	**5 1/2**	140	**4 1/2**	114	**9**	229	**4 1/8**	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, Grade 2 minimum
- Springs and hanger boxes are powder-coated

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