# VIBRO-\COUSTICS by Swegon

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# 1" (25 mm) Deflection PSHB Precompressed Spring Hanger with Bottom Cup

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## 13/16" (21 mm) Ø hole Model shown with cut-away max rod Ø: 3/4" (19 mm) A hanger box adjustment nut and washer н compression cup color-coded spring precompressed to 2/3 H2 of deflection at rated load IBRO-ACOUSTIC neoprene bottom cup precompression plate R jam nut 2nd jam nut is required for seismic application 1/2" (13 mm) Ø, 8" (203 mm) long

hanger rod

# PERFORMANCE

Model	Spring Color	Rated Load	Deflection at rated load	Isolator Weight †	
		lb kN	in mm	<b>lb</b> kg	
PSHB-1N-50*	Blue	<b>50</b> 0.22	<b>1.0</b> 25	<b>6.3</b> 2.9	
PSHB-1N-100*	White	<b>100</b> 0.44	<b>1.0</b> 25	<b>6.5</b> 3.0	
PSHB-1N-150*	Orange	<b>150</b> 0.67	<b>1.0</b> 25	<b>6.5</b> 3.0	
PSHB-1N-200*	Green	<b>200</b> 0.89	<b>1.0</b> 25	<b>6.7</b> 3.1	
PSHB-1N-300	Black	<b>300</b> 1.33	<b>1.0</b> 25	<b>6.8</b> 3.1	
PSHB-1N-400	Green	<b>400</b> 1.78	<b>1.0</b> 25	<b>7.2</b> 3.3	
PSHB-1N-500	Yellow	<b>500</b> 2.22	<b>1.0</b> 25	<b>7.3</b> 3.3	
PSHB-1N-600	Red	<b>600</b> 2.67	<b>1.0</b> 25	<b>7.4</b> 3.4	
PSHB-1N-800	Blue	<b>800</b> 3.56	<b>1.0</b> 25	<b>7.6</b> 3.5	

\* for smaller isolator, see PSHB-SN \* weights are approximate

#### **DIMENSIONS: PSHB-1N**

Model	L	w	н	H2*	R	
PSHB-1N	in mm	in mm	in mm	in mm	in mm	
50-800	<b>4 1</b> /4 108	<b>4</b> 102	<b>81</b> /4 210	<b>3 3/4</b> 95	<b>3 1/2</b> 89	

\* precompressed height

### NOTES

- · Spring hanger with steel spring in a welded steel housing
- Spring is precompressed to 2/3 of deflection at rated load
- Spring sits in a molded neoprene cup which includes a sleeve through the bottom hole
- Hanger is designed to allow support rod misalignment through a 30-degree arc without contacting the hanger box
- Precompression plate can serve as a 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 are safe at solid loading
- · All hardware is zinc-plated or powder coated
- Spring hanger boxes are galvanized or powder-coated

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

**PSHB-1**