

1-888-811-2264

sion plate jam nut

2nd jam nut is required for seismic application

fax: 416-291-8049

**PSHR-1N** 

shown with cut-away

neoprene element

precompressed to 2/3 of deflection at rated

PSHR-1S

shown with cut-away

neoprene element

hanger box

adjustment nut and washer acoustic washer

compression color-coded spring(s)

> load precompression

2nd jam nut is required

for seismic application

plate

jam nut

(single or nested)

precompressed to 2/3

of deflection at rated

hanger box adjustment nut and washer acoustic washer compression color-coded spring



tel: 416-291-7371 1-800-565-8401 web: www.vibro-acoustics.com

eml:

Н2

1/2" (13 mm) Ø,

5/8" (16 mm) Ø,

9" (229 mm) long

8" (203 mm) long hanger rod

11/16" (27 mm) Ø hole

max rod Ø:

1" (25 mm)

plate washer

info@vibro-acoustics.com

max rod Ø:

3/4" (19 mm)

plate washer

13/16" (21 mm) Ø hole

# 1" (25 mm) Deflection PSHR **Precompressed Spring Hangers** with Neoprene

PSHR-1

File No.: DS-PSHR1-012 Date: 7 Nov 2020 Supersedes: DS-PSHR1-011 Date: 6 May 2016

#### PERFORMANCE

Model	Spring Color outer-inner	Element Color	Rated Load	Deflec- tion at rated load	Isolator Weight †	
		≝೮	lb kN	in mm	<b>lb</b> kg	
PSHR-1N-50*	Blue	Green	<b>50</b> 0.22	<b>1.0</b> 25	<b>5.9</b> 2.7	
PSHR-1N-100*	White	Green	<b>100</b> 0.44	<b>1.0</b> 25	<b>6.2</b> 2.8	
PSHR-1N-150*	Orange	Green	<b>150</b> 0.67	<b>1.0</b> 25	<b>6.2</b> 2.8	
PSHR-1N-200*	Green	Green	<b>200</b> 0.89	<b>1.0</b> 25	<b>6.4</b> 2.9	
PSHR-1N-300	Black	Green	<b>300</b> 1.33	<b>1.0</b> 25	<b>6.6</b> 3.0	
PSHR-1N-400	Green	Red	<b>400</b> 1.78	<b>1.0</b> 25	<b>6.6</b> 3.0	
PSHR-1N-500	Yellow	Black	<b>500</b> 2.22	<b>1.0</b> 25	<b>7.0</b> 3.2	
PSHR-1N-600	Red	Blue	<b>600</b> 2.67	<b>1.0</b> 25	<b>7.1</b> 3.2	
PSHR-1N-800	Blue	Blue	<b>800</b> 3.56	<b>1.0</b> 25	<b>7.3</b> 3.3	
PSHR-1S-900	Orange/Green	Green	900 4.00	<b>1.0</b> 25	<b>14.6</b> 6.6	
PSHR-1S-1000	White	Green	<b>1000</b> 4.45	<b>1.0</b> 25	<b>13.9</b> 6.3	
PSHR-1S-1100	White/White	Green	<b>1100</b> 4.89	<b>1.0</b> 25	<b>14.6</b> 6.6	
PSHR-1S-1200	White/Grey	Green	<b>1200</b> 5.34	<b>1.0</b> 25	<b>14.9</b> 6.7	
PSHR-1S-1300	White/Black	Green	<b>1300</b> 5.78	<b>1.0</b> 25	<b>15.0</b> 6.8	
PSHR-1S-1400	White/Green	Green	<b>1400</b> 6.23	<b>1.0</b> 25	<b>15.1</b> 6.8	
PSHR-1S-1500	White/Yellow	Green	<b>1500</b> 6.67	<b>1.0</b> 25	<b>15.4</b> 7.0	
PSHR-1S-1600	White/Red	Green	<b>1600</b> 7.12	<b>1.0</b> 25	<b>15.5</b> 7.0	
PSHR-1S-1800	White/Blue	Green	<b>1800</b> 8.01	<b>1.0</b> 25	<b>15.7</b> 7.1	

DIMENSIONS: PSHIR FINAL isolator, see PSHR-SN † weights are approximate

Model	L	w	Н	H2*	R
PSHR-1N	<b>in</b> mm	in mm	<b>in</b> mm	<b>in</b> mm	<b>in</b> mm
50-800	<b>41</b> /4 108	<b>4</b> 102	<b>81/4</b> 210	<b>33/4</b> 95	<b>3 1/2</b> 89

\* precompressed height

### **DIMENSIONS: PSHR-1S**

Model	L	W	Н	H2*	R	
PSHR-1S	in mm	<b>in</b> mm	in mm	in mm	in mm	
900–1800	<b>51</b> /2 140	<b>4 1</b> /2 114	<b>9</b> 229	<b>4 1/8</b> 105	<b>3 1/2</b> 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
- Spring hanger boxes are galvanized or powder-coated

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