



[HOME](#) » [COMMERCIAL CONSTRUCTION](#) » [CEILING SUSPENDED MOUNTED NON-SEISMIC](#) » [HSA-PR PRE-COMPRESSED SPRING ANGULARITY HANGERS](#)



CEILING SUSPENDED MOUNTED NON-SEISMIC **HSA-PR PRE-COMPRESSED SPRING ANGULARITY HANGERS**

HSA-PR Series Pre-compressed Spring Angularity Hangers are designed to isolate low frequency vibrations in suspended piping and equipment - preventing transmission of vibration to the building structure through the piping systems. The products incorporate a color-coded steel spring for ease of identification in the field. Load ranges from 21 - 8,200 lbs. and up to deflections of 3". Custom sizes and deflections up to 5" available upon request.

VMC Group HSA-PR Pre-compressed Spring Angularity Hangers combine both a pre-compressed feature along with 30° of angularity for misalignment of hanger rods.

The pre-compressed designs are pre-compressed to the rated deflection so as to support the suspended equipment or piping at a fixed elevation during installation regardless of load changes. The angularity hangers have a 30° misalignment capability, spring diameters and hanger box lower hole sizes are sufficiently sized to permit the hanger rod to swing approximately 30° before contacting the box.

The HSA-PR Pre-compressed Series also offers the capability to incorporate eyebolt hardware to accommodate duct strap connections and/or pencil rods, when isolating ductwork and suspended ceilings.

FEATURES & BENEFITS

- Loads from 21 - 8,200 lbs. with static deflections up to 3" provide flexibility over a wide range of applications
- Pre-compressed hangers offer quick and easy installation in even the most challenging locations
- Lower hanger rod enables a 30° swing to compensate for rod misalignment and prevents short circuits to the hanger box
- Color-coded springs provide easy identification of spring hangers for installation and inspection

APPLICATIONS

- Suspended piping
- Suspended electrical services
- Suspended equipment
- Suspended ductwork

DOWNLOADS

Spec Sheets

[Spring Hanger-Pre-Compressed](#)

Submittal Drawings

1" Deflection

[Model HSA-1C 50-370 lbs. Pre compressed spring angularity hangers 1 inch deflection.pdf](#)

[Model HSA-1E 195-2000 lbs. Pre compressed spring angularity hangers 1 inch deflection.pdf](#)

[Model HSA-1G 3600 lbs. Pre compressed spring angularity hangers 1 inch deflection.pdf](#)

[Model HSA-1B 20-85 lbs. Pre compressed spring angularity hangers 1 inch deflection.pdf](#)

2" Deflection

[Model HSA-2E 80-2050 lbs. Pre-Compressed Spring Angularity Hangers 2 inch deflection.pdf](#)

[Model HSA-2D 75-845 lbs. Pre compressed spring angularity hangers 2 inch deflection.pdf](#)

3" Deflection

[Model HSA-3C 75-600 lbs. Pre compressed spring angularity hangers 3 inch deflection.pdf](#)

RELATED SERVICES

Engineering

The engineers we employ hold the highest industry-recognized credentials in structural analysis, elastomer development and system dynamics.

Certification

We are the first ISO accredited PCA ISO-17065, third-party certification body for special seismic certification of non-structural building components and their mounting configurations by the ICC's International Accreditation Service.

Test & Measurement

We are the only ISO 17025:2005 Accredited Seismic Simulation Test Laboratory with a triaxial shake table owned and operated by California licensed Structural engineers.