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CEILING SUSPENDED MOUNTED NON-SEISMIC

## **HRSPA SPRING & ELASTOMERIC PRE- POSITIONING & ANGULARITY HANGERS**

HRSPA Series Spring & Elastomeric Pre-positioning & Angularity Hangers are designed to isolate low and high 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 HRSPA Series Spring & Elastomeric Pre-

positioning & Angularity Hangers combine our pre-positioning and 30° angularity features. Pre-positioning Hangers incorporate a means for supporting the suspended equipment or piping at a fixed elevation during installation regardless of load changes as well as a means for transferring the load to the spring. This is accomplished by a bearing plate within the hanger box that keeps suspended piping at a fixed elevation during installation and startup. This plate is designed to maintain suspended equipment and piping at a fixed elevation regardless of load changes. An adjustment nut is provided to transfer the load to the spring after the piping system has been filled with water, or the equipment is installed and leveled. The 30° angularity feature has 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.

HRSPA Series Spring & Elastomeric Pre-positioning & Angularity Hangers also offer the capability to incorporate eyebolt hardware to accommodate duct strap connections and/or pencil rods, when isolating ductwork and suspended ceilings.

## **FEATURES & BENEFITS**

- Pre-positioning and angularity hangers offer quick and easy installation
- Loads from 21 - 8,200 lbs. with static deflections up to 3" provide flexibility over a wide range of applications
- Lower hanger rod on some models 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
- Bearing plate and transfer nut provide easy transfer of load to the spring at fixed elevation
- Combined elastomeric and spring for both low and high frequency isolation in one hanger box

## APPLICATIONS

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

## DOWNLOADS

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### Spec Sheets

[Spec Type 6-POS-A Spring and Elastomeric Hanger - Positioning and Angularity](#)

### Submittal Drawings

#### 1" Deflection

[Model H2RSPA-1E 2800-6500 lbs. Double elastomeric and spring angularity hangers 1 inch deflection.pdf](#)

[Model HRSPA-1C 50-370 lbs. Elastomeric and spring positioning and angularity hangers 1 inch deflection.pdf](#)

[Model HRSPA-1E 195-2000 lbs. Elastomeric and spring positioning and angularity hangers 1 inch deflection.pdf](#)

[Model HRSPA-1G 3600 lbs. Elastomeric and spring positioning and angularity hangers 1 inch deflection.pdf](#)

#### 2" Deflection

[Model HRSPA-2D 75-845 lbs. Elastomeric, Spring Positioning and Angularity Hangers 2 inch deflection.pdf](#)

[Model HRSPA-2E 80-2050 lbs. Elastomeric and spring positioning and angularity hangers 2 inch deflection.pdf](#)

#### 3" Deflection

## RELATED SERVICES

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### **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.

### **Testing Services Update**

DCL now offers Nuclear Qualification and Testing services.

In partnership with [Greenberry Industrial](#), we now offer testing services that meet the requirements of ASME NQA-1.

[Call for more information.](#)

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## RELATED PRODUCTS

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[HRO Elastomeric Hangers](#)



[HSO Spring Hangers](#)



[HR Elastomeric Hangers](#)