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## CEILING SUSPENDED MOUNTED NON-SEISMIC **HRSA-PR PRE-COMPRESSED SPRING & ELASTOMERIC ANGULARITY HANGERS**

HRSA-PR Series Pre-compressed Spring & Elastomeric 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 HRSA-PR Pre-compressed Spring & Elastomeric 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 HRSA-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
- 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-PRE-A Spring and Elastomeric Hanger - Precompressed and Angularity](#)

### Submittal Drawings

#### 1" Deflection

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

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

[Model HRSA-1B 20-85 lbs Pre compressed elastomeric and spring anugularity hangers 1 inch deflection.pdf](#)

[Model HRSA-1E-195-2000 LBS. Pre-compressed Elastomeric and Spring Angularity Hangers 1 inch deflection.pdf](#)

[Model H2RSA-1E 1650-6500 LBS.Pre-compressed elastomeric and spring angularity hanger 1 inch deflection.pdf](#)

[Model HRSA-1E-D-400-2000 LBS. Pre-compressed Elastomeric and Spring Angularity Hangers 1 inch deflection.pdf](#)

#### 2" Deflection

[Model HRSA-2E 80-2050lbs. Pre compressed elastomeric and spring angularity hangers 2 inch deflection.pdf](#)

[Model HRSA-2D 75-845 lbs. Pre-compressed Elastomeric and Spring Angularity Hangers 2 inch deflection.pdf](#)

#### 3" Deflection

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

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## 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](#)



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