



[HOME](#) » [COMMERCIAL CONSTRUCTION](#) » [SPRING FLOOR MOUNTED NON-SEISMIC](#) » [AB ISOLATORS](#)



## SPRING FLOOR MOUNTED NON-SEISMIC **AB ISOLATORS**

AB Series Spring-Flex Isolators with an elastomeric cup are designed to isolate low frequency vibrations in air handling units, fans, chillers, and other HVAC equipment. The AB Series are recommended for use directly under HVAC, power generation and electrical equipment in conjunction with structural steel bases and concrete inertia blocks.

The AB Series are free standing and laterally stable spring isolators. The coils are designed with an excellent ratio between the coil outer diameter and operating height, ensuring lateral stability. In all of our designs, this ratio is a minimum of 0.80 and many of our springs have approximately a 1:1 ratio. In addition, our coils are

designed with low operating stresses, thus ensuring a long operating life for the isolator. The AB Series also feature weldless construction. The spring coils are not welded to steel plates. Instead, the AB Series are assembled to elastomeric cups and steel plate bases with two mounting holes for attachment to structure - providing durability and flexibility. The series also include a built-in leveling device for simplified installation. The product incorporates a color-coded steel spring for ease of identification and inspection in the field. All of our open spring isolators have leveling capability and include a bolt hole in the bottom cup. They are available with deflections up to 2 inches.

## **FEATURES & BENEFITS**

- Loads from 50-3,250 lbs. with static deflections up to 2" provide flexibility over a wide range of applications
- Free-standing spring isolators offer a 1:1 lateral stability ratio
- Built-in leveling device offers simplified installation
- Weldless construction provides flexibility in replacing or interchanging springs
- Color-coded springs provide easy identification of Spring-Flex isolators for installation and inspection

## **APPLICATIONS**

- Air handling units
- Fans
- Pumps
- Chillers
- Air compressors
- HVAC equipment
- Power generation
- Electrical transformers

# DOWNLOADS

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## Spec Sheets

[Spec Type 3 Spring Isolators Floor Mounted Open](#)

## Submittal Drawings

### 1" Deflection

[Model A & AB-1C 50-520 lbs.Open Spring-Flex Isolators 1 inch deflection.pdf](#)

[Model A & AB-1E 195-3250 lbs.Open Spring-Flex Isolators 1 inch deflection.pdf](#)

[Model A & AB-1Y 60-1100 lbs. Open spring-flex isolators 1 inch deflection.pdf](#)

### 2" Deflection

[Model A & AB-2D 75-1435 lbs. Open Spring-Flex Isolators 2 inch deflection.pdf](#)

[Type A-2Y Spring-Flex Mounting 2 inch Nominal Deflection.pdf](#)

[Model A-2E & AB-2E 80-2700 lbs. Open spring-flex isolators 2 inch deflection.pdf](#)

### 3" Deflection

[Model AB-3D 800-2035 LBS.Open Spring-Flex Mounts 3 inch Deflection.pdf](#)

[Model AB-3E 1600-3500 LBS.Open Spring-Flex Mounts 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

## [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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[A Series Open Spring Isolators](#)



[AW & AWH Isolators](#)



[BE Isolators](#)



[BP Isolators](#)



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