

# Hy/Tuned™ Viscous & Material Damped Coil Spring Isolators

Vibro/Dynamics Hy/Tuned™ Spring Isolators are a series of modular spring isolators designed to solve the toughest vibration and shock transmission problems.

Their low natural frequency design makes them the ideal solution for solving vibration and shock problems associated with large stamping presses. These isolators are designed to effectively isolate impact forces up to 99%.

Vibro/Dynamics Hy/Tuned™ Isolators also effectively protect sensitive machinery and building structures from incoming vibration and shock.

We specialize in custom designs and application engineering.



SVS4808R



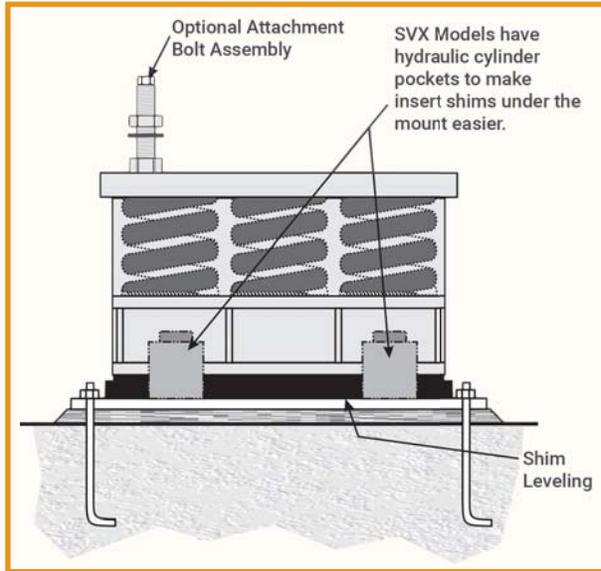
SVX6009



SVS3308



SVXN6108



## Features & Benefits

- Ultimate control of vibration and shock transmission.
- Viscous, material or frictional damping.
- Shim leveling using alternating layers of steel sheet and non-slip material.
- Grout or sole plates are recommended.

### Technical Assistance

To assure the best installation, our application engineers will carefully analyze your particular application needs and recommend the proper isolator for the best installation. Please give us a call, and we will be happy to assist you in your selection.

### Extra Vibration Protection and Proper Support

Unlike conventional spring mounts, Hy/Tuned™ Spring Isolators come equipped with a high-quality resilient cushion that provides a uniform contact surface between the isolator and the floor. This cushion also isolates high-frequency vibration caused by coil spring resonance.

### Damping Systems

Selecting the proper damping system is essential for controlling machine motion. SMS Models feature a material damping system, while SVX and SVS Model have viscous damping systems. SVX Models have a totally enclosed spring and damper design.

*Viscous damping* is best suited for presses that have a high degree of unbalanced inertia force. This type of damping is also desirable for presses that generate high forces during clutching and braking.

*Material damping* is best suited for presses with moderate vertical and horizontal inertia forces. Also, material damped isolators are desirable for installations that have isolator space constraints since their design is more compact than viscous damped isolators.

### Custom Design & Engineering

Vibro/Dynamics will work with your design team to design and build a custom spring isolator to fit your particular need.

We have numerous damper types and can offer pre-compressed and non-compressed designs.

### Built Tough To Last

Vibro/Dynamics combines its low-stress isolator design philosophy with high-quality materials to ensure the longest effective isolator life. Our isolators are built to last even under the most severe operating conditions.



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Vibro/Dynamics Products are protected by one or more U.S. and Foreign Patents.

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