

Lo/Tuned™ Viscous & Material Damped Coil Spring Isolators

Vibro/Dynamics Lo/Tuned™ Spring Isolators are a series of low stiffness 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 high-speed presses. These isolators are designed to effectively isolate impact and vertical inertial forces up to 99%.

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

We specialize in custom designs and application engineering.



VSVL Model



VSM Model



VSXL Model

Features & Benefits

Extra Vibration Protection and Proper Support

Unlike conventional spring mounts, Lo/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. VSM Models feature a material damping system, while VSV Models have viscous damping systems. VSX Models have a totally enclosed spring and damper design.

Viscous damping is best suited for presses that have a higher 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 lower vertical and horizontal inertia forces.

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.

Leveling & Alignment

Vibro/Dynamics VSML, VSVL & VSXL Lo/Speed™ Isolators are equipped with built-in precision leveling screws for fast & easy leveling.

VSM, VSV and VSX utilize layers of non-slip material for leveling and alignment. An optional Shim Pak, consisting of alternating layers of steel and non-slip sheets, is available.

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.

Lo/Speed™ Isolator Features

Model	Damping Type	Leveling Type
VSM	Material/ Friction	Shims
VSML		<i>Built-In</i>
VSV	Viscous	Shims
VSVL		<i>Built-In</i>
VSX		Shims
VSXL		<i>Built-In</i>



Custom VSVL with Wedge Leveling Device



High-Speed Press on VSV Spring Isolators



Container Press on VSML Spring Isolators

