

VIBRO/DYNAMICS

technologically advanced machinery mounting systems



Hy/Speed® Spring Isolators



VSML

Vibro/Dynamics' Hy/Speed® VSML Spring Isolators are perfect for controlling vibration from high-speed machinery weighing up to 72,700 lb. (33,000 kg). The low natural frequency design of the VSML Isolators effectively isolates both impact and inertia forces up to 99%. VSML Hy/Speed Isolators feature integral precision leveling, material damping, and quality construction.



Model VSML1208

VIBRATION AND SHOCK ISOLATION FOR HIGH-SPEED PRESSES



VSML Series Features and Benefits

Built-In Precision Leveling

Vibro/Dynamics VSML Series Hy/Speed Isolators are equipped with precision leveling screws for fast and easy leveling.

Even months after initial installation, re-leveling adjustments can be made with a simple turn of a wrench.

Precision leveling means better alignment of machine components, resulting in increased machine accuracy and improved machine and tooling life.

This built-in leveling capability lets you get into production faster by leveling your machines quicker with far greater accuracy than the trial and error method offered by shims and grout.

Material Damping

Selecting the proper damping is essential for control of machine motion. VSML model isolators feature a material damping system.

Material damping systems are best suited for machines that: have low out-of-balance forces relative to machine weight, pass through resonance quickly, and operate at least 1.42 times above the natural frequency of the isolator.

Extra Vibration Protection and Proper Support

Unlike conventional spring mounts, Hy/Speed 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.

Built Tough To Last

Vibro/Dynamics combines its low-stress isolator design philosophy with high-quality materials to ensure the longest effective isolator life. VSML Series Hy/Speed Isolators also feature an internal snubbing system that further protects the isolator and prevents spring overloading.

Lod/Sen Electronic Support

Hy/Speed Isolators purchased with our advanced Lod/Sen™ option and one of our electronic fine-tuning instruments provides easy analysis of a machine's support condition. This system indicates which isolators to adjust and how much to adjust them for optimum support.



Installation of a high-speed press on VSML Isolators

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.

VIBRO/DYNAMICS CORPORATION

2443 Braga Drive
Broadview, IL 60155-3941
E-Mail: vibro@vibrodynamics.com
Web site: www.vibrodynamics.com

Telephone 708-345-2050
Toll-Free in USA 1-800-842-7668
Fax 708-345-2225

Vibro/Dynamics and Hy/Speed are registered trademarks, and Lod/Sen is a trademark, of Vibro/Dynamics Corporation. ©2001 Vibro/Dynamics Corporation. Printed in USA. Vibro/Dynamics Products are covered by one or more of the following U.S. Patents: 3,332,647; 4,047,427; 4,135,392; 4,846,436; 4,930,741; 5,360,195; 5,577,703; 5,690,304; 5,738,330, 6,116,565 and Foreign Patents.