



ITT

Defense Solutions for Energy Absorption and Vibration Isolation



Engineered for life



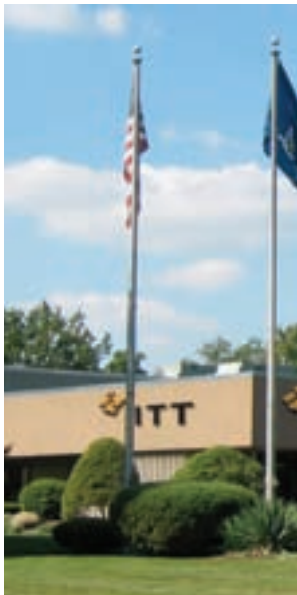
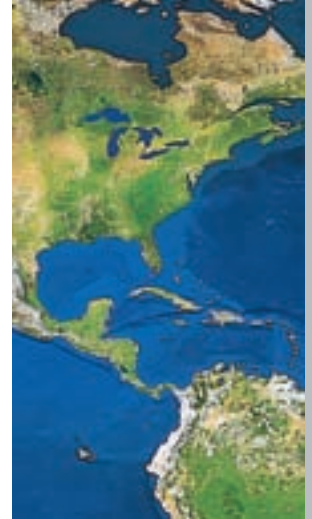
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Global Presence

ENIDINE is starting a new chapter in its history as a result of the acquisition of International Motion Control (IMC), parent company of Enidine Incorporated, by the ITT Corporation on September 7th, 2007.

ENIDINE will continue to expand its reach into the Defense, Aviation, Industrial, Rail and Marine markets throughout the world. ITT's global resources, Green, Six-sigma and Lean Manufacturing will allow ENIDINE to stay at the forefront of new technologies, research and development as well as improving production for our customers around the world.

ITT Corporation is a global engineering and manufacturing company with leading positions in the markets it serves. The company is a major supplier of sophisticated military defense systems, and provides advanced technical and operational services to a broad range of government agencies. Based in White Plains, New York, ITT employs approximately 40,000 people around the world.



Enidine's customer service staff and technical sales personnel are available to assist you with all of your application needs.

- Operating with lean manufacturing and cellular production, Enidine produces higher quality custom and standard products with greater efficiency and within shorter lead times.
- Enidine's comprehensive website is full of application information, technical data and sizing examples that will assist you in selecting the product that's right for you.

Our website also features a worldwide representative lookup to help facilitate fast, localized service. For application assistance call our technical help line at 1.800.852.8508 ext.253.

Enidine engineers continue to monitor and influence trends in the motion control industry, allowing us to remain at the forefront of new energy absorption and vibration isolation product development.

Our experienced engineering team has designed custom solutions for a wide variety of challenging applications, including recoil buffer technologies and Counter I.E.D. Electronics Isolators, among others.

These custom application solutions have proven to be critical to our customers' success. Let Enidine engineers do the same for you.



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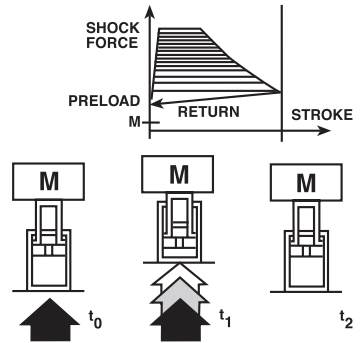
Energy Absorption

HYDRAULIC ISOLATOR

Static spring preload provides payload support and is combined with highly efficient protective hydraulic damping when the preload is exceeded.

APPLICATION

Single and double acting applications include missile VLS, close-in gun systems and electronic equipment assuring acceptable output G levels into system payload.

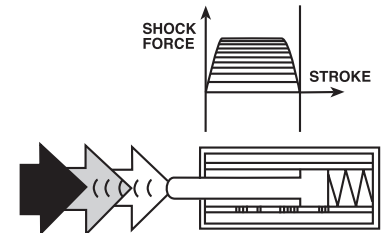


BUFFER

Rugged, high-capacity, efficient energy absorption utilizing a variable orificing design which keeps the output shock force to a minimum.

APPLICATION

Commonly applied in salt water environment on shipboard applications for elevation and azimuth axis of large weapon and tracking radar systems.

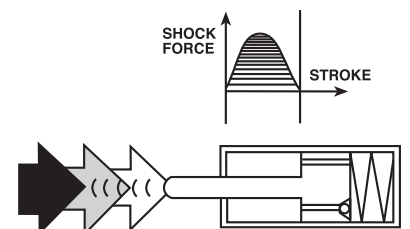


DASHPOT

Provides the maximum energy absorption capability within a given size and weight constraint.

APPLICATION

Size and weight sensitive airborne defense systems include aircraft radar and missile gyros and often utilize a double piston configuration for bi-directional use to further reduce dashpot size and weight.



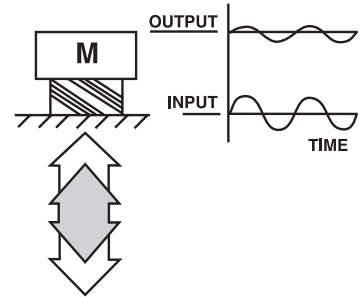
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ELASTOMERIC ISOLATOR

Molded/bonded elastomeric/metallic assemblies provide static payload support and protection against the negative effects of vibration.

APPLICATION

Protection for delicate and sensitive military modules including computers, avionics and electronic equipment as well as more rugged shipping container/canister type applications.

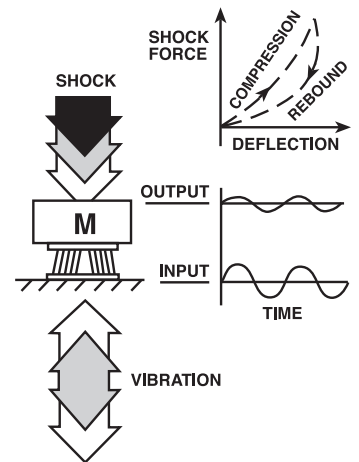


WIRE ROPE ISOLATOR

Deflection induces cable strand frictional damping providing multi-axes isolation from shock and vibration inputs.

APPLICATION

Traditionally applied to support and isolate shipboard electronic equipment, wire rope isolators offer extremely long, maintenance free service life. Reciprocating machinery and naval minesweeper deck isolation are other successful applications.



SPECIAL ISOLATOR

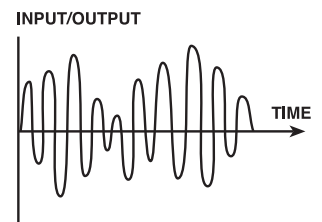
Various damping media can provide protection against extreme input frequencies, amplitude, temperature ranges and other environmental conditions.

APPLICATION

Examples include acoustic isolators, wire mesh auxiliary power unit mounts, and aircraft engine mounts.



DYNAMIC AND ENVIRONMENTAL EXTREMES





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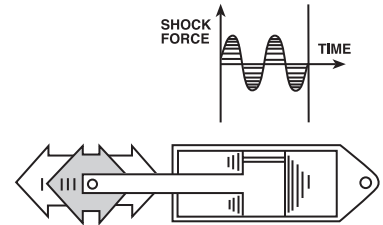
Motion Control

DAMPER

Minimal stroking friction facilitates high frequency, double acting hydraulic damping.

APPLICATION

Vehicle suspension systems, machine gun recoil and missile control fin flutter are prime examples for 5 to 20 Hz applications which use dampers to reduce system shock, vibration and fatigue.

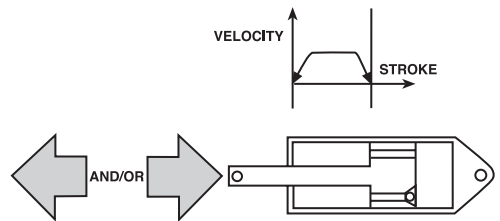


RATE CONTROL

Custom orificing and valving can achieve bi-directional speed control and actuation in either direction when coupled with a mechanical spring.

APPLICATION

Crew access hatches, equipment access panels and missile fin deployment applications all operate smoothly at a desired angular opening or closing rate.

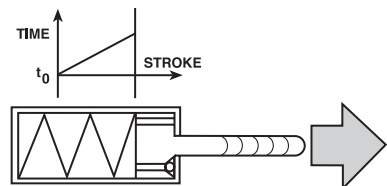
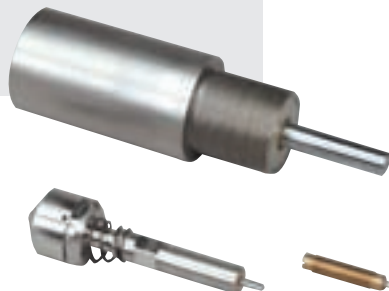


TIME DELAY

Precision fluid metering offers precise piston displacement within a highly repeatable time frame.

APPLICATION

This unique use of a dashpot design serves as a munitions fuse, a tank steering transmission coolant control and a transporter faucet flow timer.



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