Your best way to protect sensitive components and equipment from severe vibration and shock.
Solving a shock or vibration problem requires an analysis of the behavior of the entire dynamic system, and an understanding of all inputs and reactions of the system to reach the optimal solution.

This comprehensive approach, originally adopted by the Socitec Group over 30 years ago, has developed into an advanced process using modern design tools on both a technical level (numerical simulations) and quality level (ISO 9001 procedures).

The process is carried out in the following stages:

- An extensive analysis and simulation of the structure’s behavior is conducted.
- A technical requirement specification for isolation against shock and vibration and a feasibility study are prepared.
- The most suitable technology (spring, elastomer, or cable mount) is selected, and a standard product is specified, or a custom product is designed.
- A final simulation of the proposed solution, and if appropriate, validation tests are performed.
- Qualification tests, per Commercial and Military Standards, are completed.
- Performance is monitored and recorded, using a wide range of test instrumentation.

**Multiple Applications:** Passive isolation of sensitive equipment, whether mobile or in shelters: electrical cabinets, electronic racks and switch boxes, transmitters, computers, radar, telecommunications equipment... Protection of sensitive equipment during transport: jet engines, satellites, missiles... Suspension of missiles, torpedoes in their transport containers... Direct isolation of rotating or vibrating machinery.

**Features and Benefits**
- 100% Metal Omni-Directional Isolators
- Excellent Combination of Vibration and Shock Isolation
- High Damping Ratio.
- No Creeping or Aging
- Predictable and Repeatable Performance
- Very Wide Operational Temperature Range
- Extremely Rugged Construction & Long Lifespan
- Not Affected by Chemicals, Seawater, Ozone, UV Rays...
- Wide Variety of Possible Fittings
- Rapid and Economical Prototyping

**The Cable Mount...**

... a Damped Spring!

The **Spring Function** is created by the elasticity inherent in the flexing of the cable preformed into a loop.

The **Damping Function** is the result of the relative friction between the cable's individual wires and strands. Knowledge and control of these two highly non-linear functions guarantee controlled performance.

Socitec mounts are designed and manufactured to the strictest quality criteria (ISO 9001 Civilian or AQAP 110 Military Standards.

The cables, which are made from Stainless or Galvanized Steel, are made to our own specifications and total traceability of all component material is guaranteed.

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