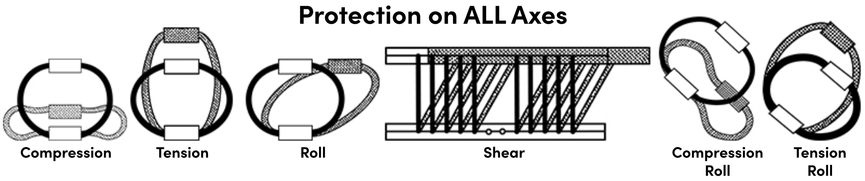
Shock and Vibration Isolators

Shock and vibration affect the perfomance and lifespan of mechanical and electrical devices. They influence devices of all sizes, from small electronics to heavy machinery.

Functionality

Protection on ALL Axes



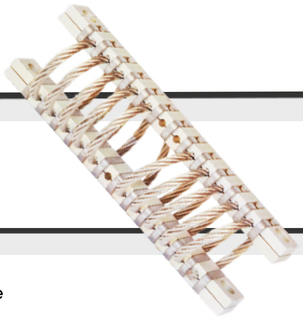
Advantages

- **Environmental Factors** — Large Temp Range; Ozone, Oil, Grease, and Salt Water Resistant; Little/No Maintenance
- **Multi-Axis Isolation** — Free to Deflect in ALL 3 Planes; Support in ANY Orientation
- **Performance** — Large Load Range, Non-Linear Performance; Near Uniform Energy Storage, High Damping; Low Transmissibility Ratio- 2.7

Effectiveness

Mounting assembly made of aircraft-quality, stranded, stainless steel cable wound into metal retainers.

1. Helical Arrangement
2. Twisted Cable Diameter Range 1/16" - 1"
3. Helix Configuration Provides Specific Resilience
   ~Required to Adequately Cushion Loads



The Ultimate Shock and Vibration Protection

Achieving optimal shock protection and vibration isolation demands a solution that delivers consistent results. Enter "flexure hysteresis" – the inherent damping mechanism that ensures stability regardless of position. This solution isn't just a one-sizefits-all; it's tailor-made to meet your specific requirements. How does it work? The response characteristics are finely tuned based on factors like cable diameter, composition, and the assembly's design, ensuring a customized fit that guarantees reliability in the face of dynamic environments.

Helical Isolator

John Evans' Sons Helical Isolators

John Evans' helical vibration isolators provide the ultimate shock and vibration protection. Our Technical Team offer a depth of expertise to assist you with all parts of the process.

Contact us to learn more about our full capabilities or to request a quote.

JOHN EVANS' SONS Est.1850
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