Helical Wire Rope Mounts

Stainless steel helical wire rope mounts providing high damping, uniform radial stiffness through 360° and excellent shock absorption.

AMC-MECANOCAUCHO® Helical Wire Rope Isolators consist of two metal plates connected by a **stainless steel wire rope wound in a helical configuration**.

This compact and robust design provides **uniform radial stiffness through 360°**, ensuring consistent mechanical behaviour regardless of the radial direction of the applied load. The wire rope also provides **high damping** and effectively absorbs vibrations, shocks and large movements.

Thanks to their **symmetrical configuration**, these isolators do not require a specific radial orientation during installation, simplifying assembly and ensuring consistent behaviour in all radial directions.

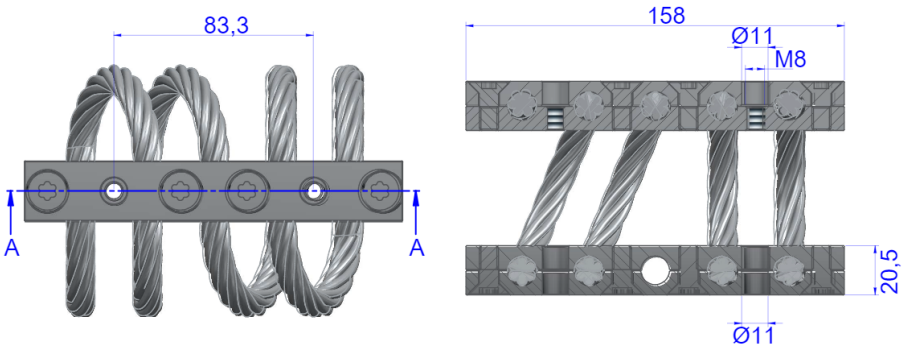
They are particularly suitable for **mobile applications, on-board equipment, transport systems and industrial equipment** subjected to multidirectional vibrations, repeated shocks or harsh environmental conditions.

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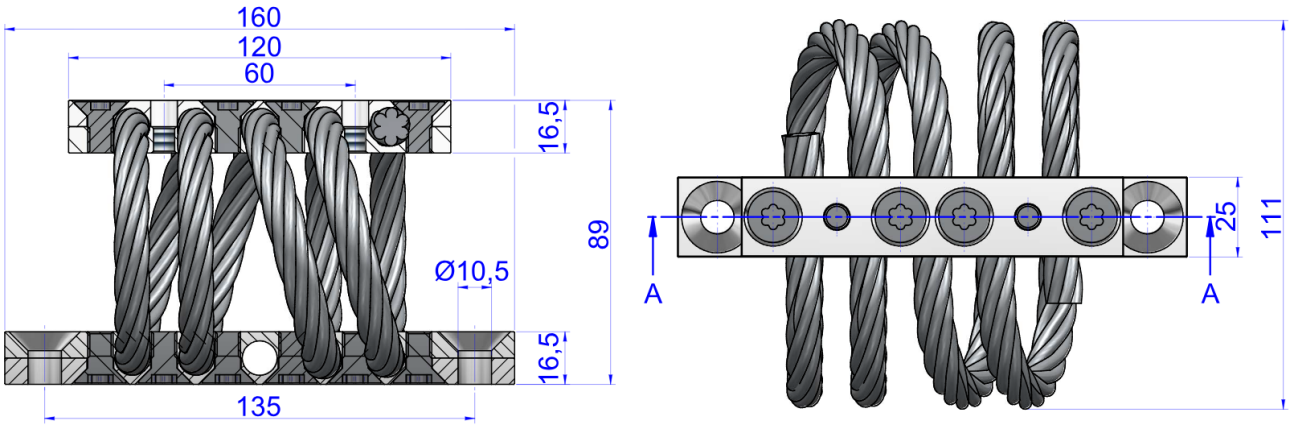
Drawings

Type 158x89



Type	Code	Max. Load(kg)	Max. static load (Kg)	Weight(kg)
Type 158x89	171210	375	200	1.76

Type 160x89

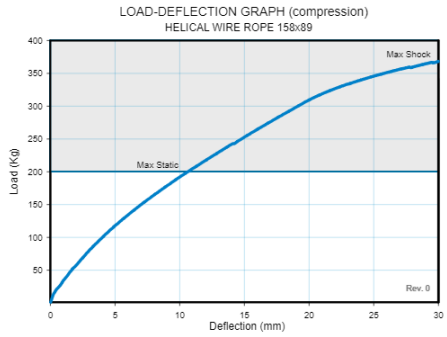


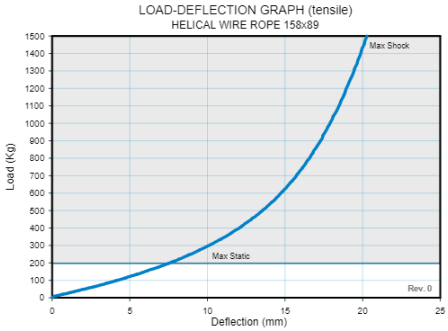
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Type 160x89	171211	260	100	1.011

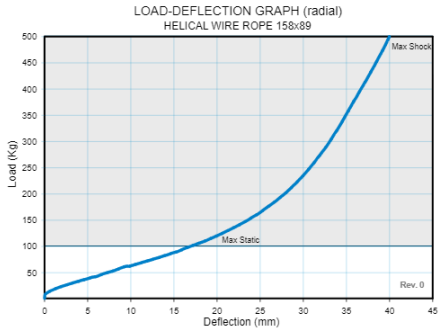
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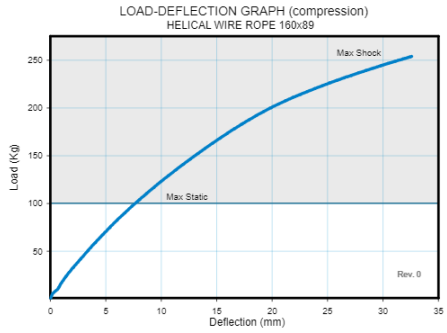
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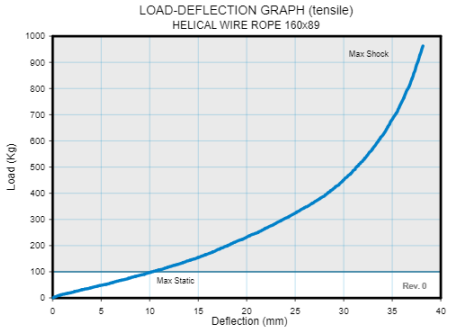
Elastic properties

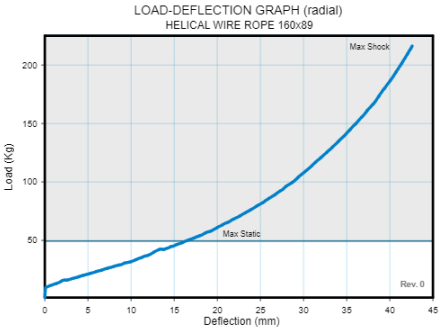












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Technical characteristics

AMC-MECANOCAUCHO® Helical Wire Rope Mounts are designed for applications requiring high mechanical strength, shock resistance, and durability in harsh environments. Their construction, with stainless steel wire ropes wound between two steel plates, ensures excellent resistance to fatigue and wear under dynamic stress.

Thanks to their helical geometry, they effectively absorb shocks and vibrations, protecting suspended equipment. Their torsional flexibility and axial compliance allow multi-directional vibration isolation while maintaining stability under static and dynamic loads.

Made entirely from corrosion-resistant stainless steel, they perform reliably in marine or humid conditions. The maintenance-free design ensures long service life, even under repeated shocks or continuous vibration.

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