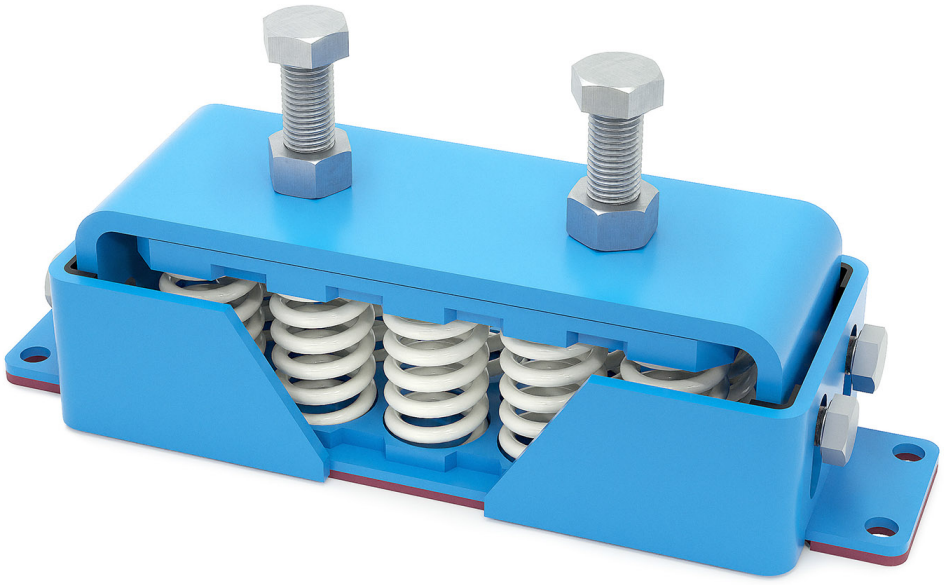
10 AMC Anti-Seismic Spring Mounts

Anti-seismic spring mounts for high loads, designed for low-frequency vibration isolation and to withstand dynamic tensile and compressive forces



The **AMC-MECANOCAUCHO® 10 AMC Anti-Seismic Spring Mounts** are designed to provide **low-frequency vibration isolation** whilst withstanding **high dynamic tensile and compressive forces**.

Their spring design provides **high flexibility and low vertical stiffness**, effectively reducing the transmission of vibration from the equipment to the supporting structure. The range covers **loads from 300 to 8,000 kg**, making it suitable for equipment with widely varying masses.

The **reinforced metal components** and **integrated seismic restraint system** are designed to withstand exceptional loads generated during seismic events and to limit excessive equipment movement.

10 AMC spring mounts are particularly suitable for **rotating machinery and heavy equipment** operating at relatively low speeds, particularly within the **800 to 1,500 rpm range**, where the application requires a combination of **vibration isolation, high load capacity and seismic protection**.

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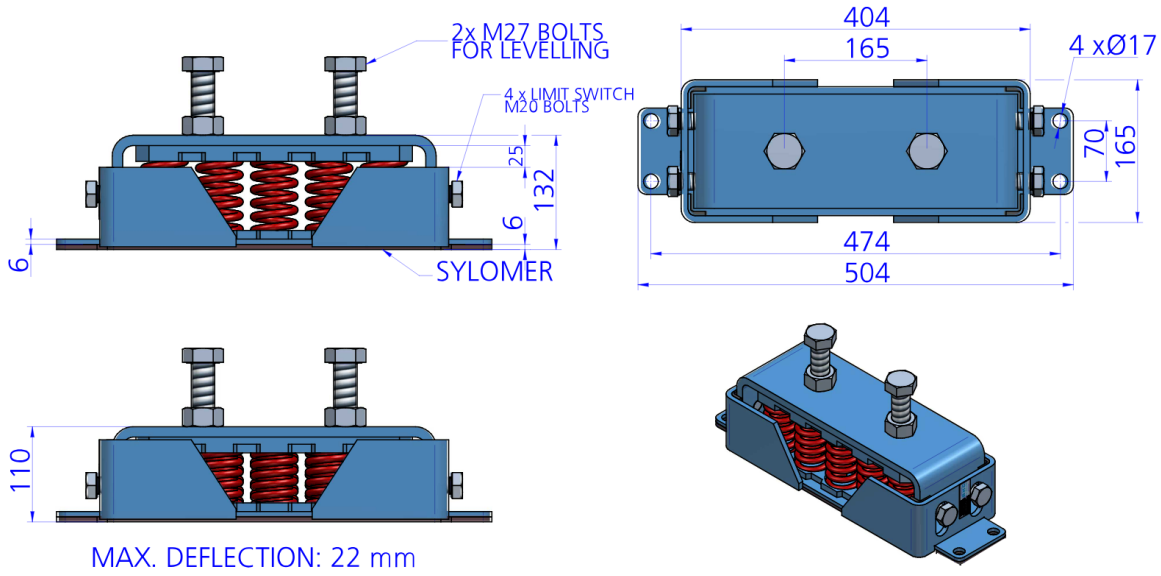
Drawings

10 AMC ANTI-SEISMIC + SYLOMER



Type	Code	No. Springs	Spring color	Max.Load (kg)	Deflection(mm)	K(N/mm)	Weight(kg)
10 AMC ANTI-SEISMIC + SYLOMER	20850	10	YELLOW	2000	22	923	24.089
	20852	10	PURPLE	3050	22	1456	24.089
	20853	10	GREEN	4050	22	1656	24.839
	20854	10	GREY	5400	22	2546	25.969
	20855	10	WHITE	6120	22	2836	24.766
	20856	10	RED	8030	22	3918	26.829

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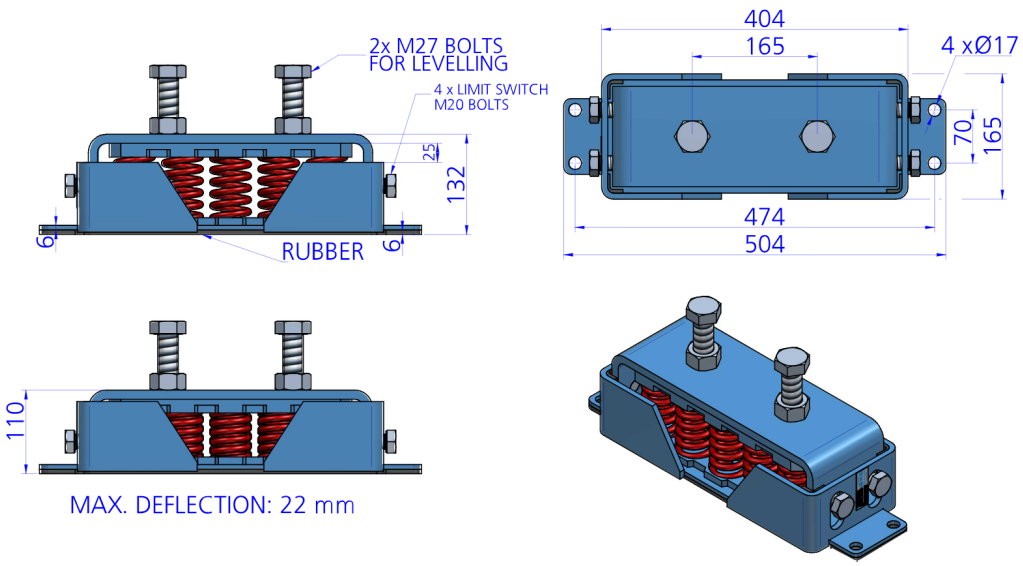

Type	Code	No. Springs	Spring color	Max.Load (kg)	Deflection(mm)	K(N/mm)	Weight(kg)
10 AMC ANTI-SEISMIC	20849	10	YELLOW	2000	22	923	24.228
	20894	10	PURPLE	3050	22	1456	24.228
	20895	10	GREEN	4050	22	1656	24.978
	20896	10	GREY	5400	22	2546	26.108
	20897	10	WHITE	6120	22	2836	25.248
	20898	10	RED	8030	22	3918	26.968

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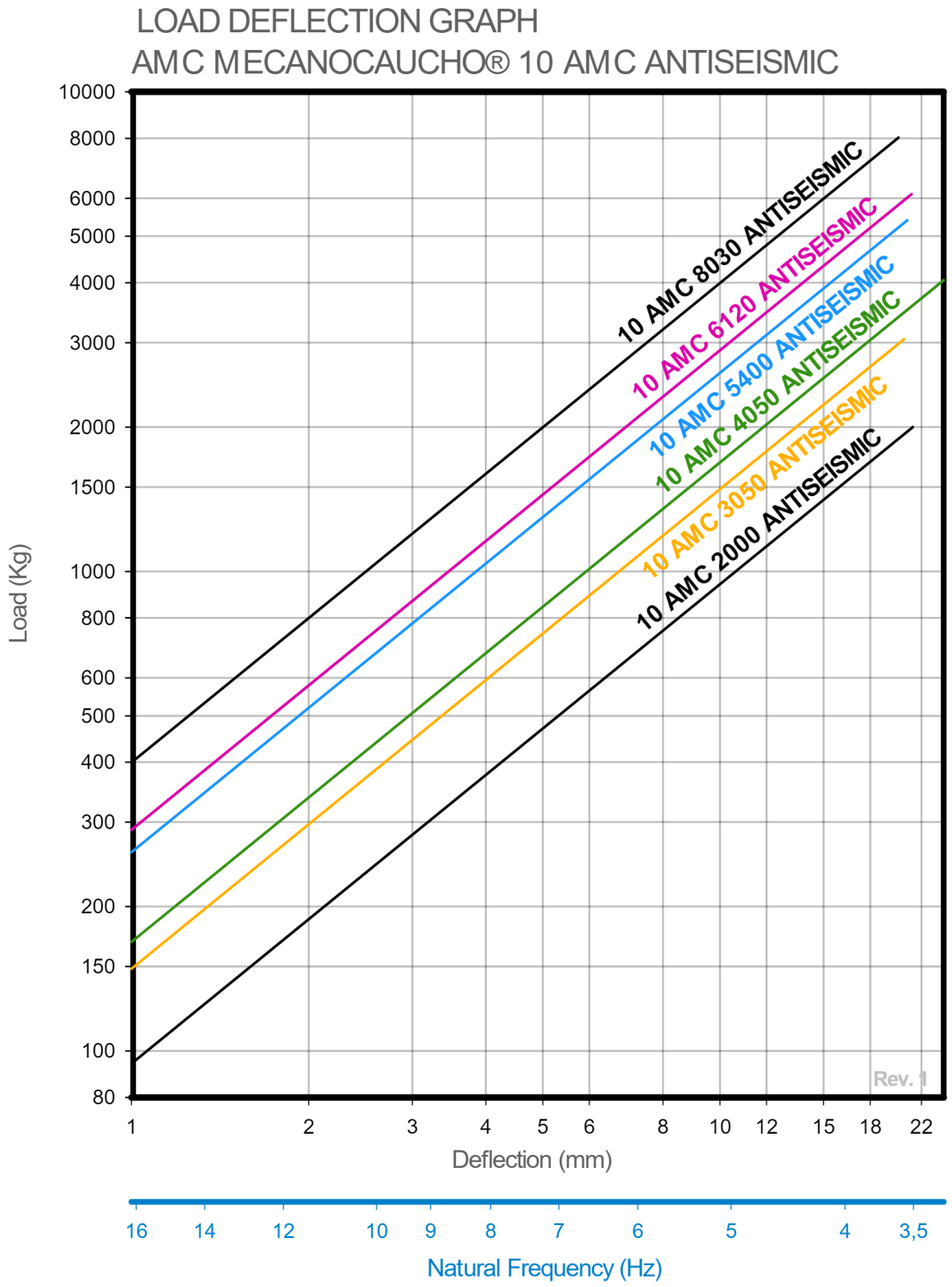
Elastic properties



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Technical characteristics

The design of these anti vibration mounts is composed of interlocking metal parts where a rubber buffer is placed in order to avoid metal to metal contact when high shear loads occur. This feature allows to provide lateral stability to the suspended element. These lateral metal parts have been calculated to withstand to lateral high forces that may occur in seismic events, allowing the anti vibration mount to resist without rupture. These mounts can be supplied with a Sylomer layer under the below metal part. This feature allows to filter high frequency vibrations that could go through the coil springs, providing to the 10 AMC Antiseismic anti-vibration mount higher degree of vibration isolation.

The AMC-MECANOCAUCHO **10 AMC antiseismic anti vibration mounts** are manufactured in several types of springs to suit load from 300 to 8000Kg load per mount.

The metal parts are epoxy coated in order to withstand to arduous corrosive environments.

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