Reinforced Elastomeric Springs

Rubber springs reinforced with an internal textile mesh, with no metal components, providing high load capacity, high damping and excellent corrosion resistance.



AMC-MECANOCAUCHO® Reinforced Elastomeric Springs are manufactured from rubber reinforced with an **internal textile mesh**, which controls elastomer deformation and provides a **high load capacity** while retaining the inherent damping properties of rubber.

Unlike conventional metal springs, their **metal-free construction** provides **excellent corrosion resistance**, making them particularly suitable for humid, corrosive or outdoor environments.

The elastomer also provides **high inherent damping**, helping to reduce vibrations and shocks as well as dynamic amplification near resonance. Their robust construction provides a **long service life** with very little maintenance.

These springs can be used as an **alternative to steel coil springs**, particularly on **vibrating screens, conveyors, industrial machinery and equipment subjected to high dynamic loads**.

AMC MECANOCAUCHO
Industrialdea Zona A - Pab. 35.
Asteasu E-20159, Gipuzkoa
Spain

Tel.: +34 843 74 00 13

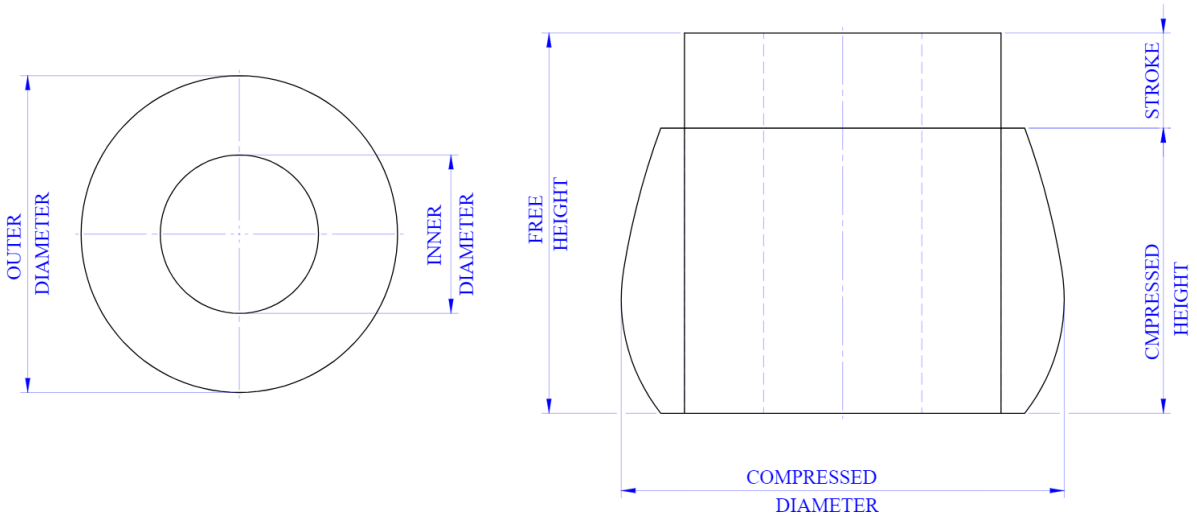
sales@amcsa.es

www.mecanocaucho.com

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Drawings

Reinforced elastomeric springs

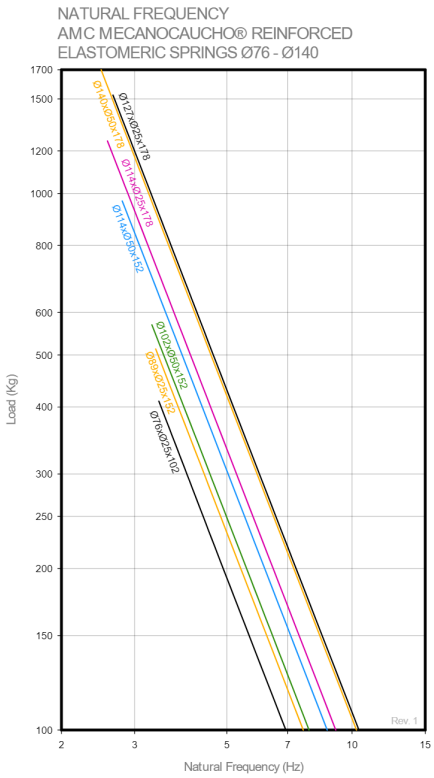


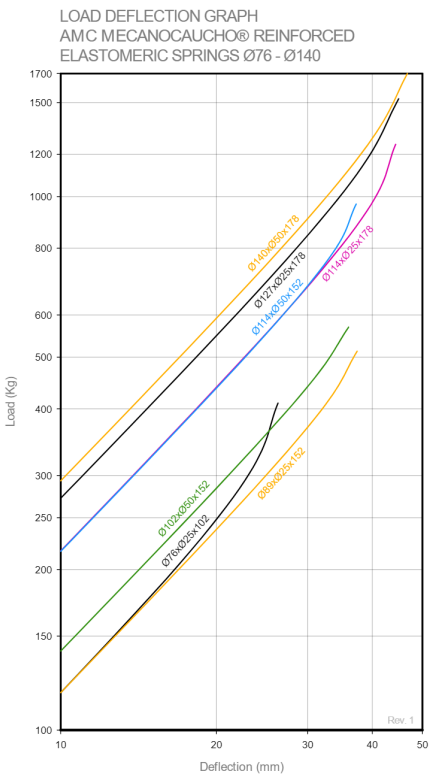
Type	Code	Weight(kg)	Ø ext.(mm)	Ø int.(mm)	Free Height (mm)	Load (kg Min.)	Compressed Heightkg Min. (mm)	Freq. (Hz) Min. Load	Load (kg Max.)	Compressed Heightkg Max. (mm)	Freq. (Hz) Max. Load
Reinforced elastomeric springs	171322	0.057	41,3	16	44,5	48	38	3.72	120	32	7
	171323	0.125	41,3	16	89	49	75	4.08	100	64	3,92
	171300	0.45	76	25	102	192	86	3,99	409	74	4,52
	171303	1	89	25	152	250	130	3,21	513	112	3,28
	171302	1.1	102	50	152	284	130	3,21	569	112	3,14
	171304	1.45	114	50	152	483	130	3,37	968	114	3,4
	171305	2	114	25	178	636	152	3,23	1253	133	3,34
	171306	2.4	127	25	178	663	152	3,87	1525	129	4,05
	171309	2.45	140	50	178	746	152	3,4	1714	129	3,07
	171307	2.3	152	76	152	745	130	3,42	1799	112	3,2
	171308	3.9	165	76	203	890	173	3,03	1883	152	3,14
	171310	3.1	152	25	152	1018	130	3,9	2489	112	3,77
	171314	4.8	191	89	203	1143	173	2,3	2815	147	3,24
	171315	6	191	89	254	1138	216	2,66	2668	184	2,96
	171316	7	203	50	203	1407	173	3,56	3863	152	3,15
	171320	10	279	51	152	3718	130	3,66	9070	110	3,40

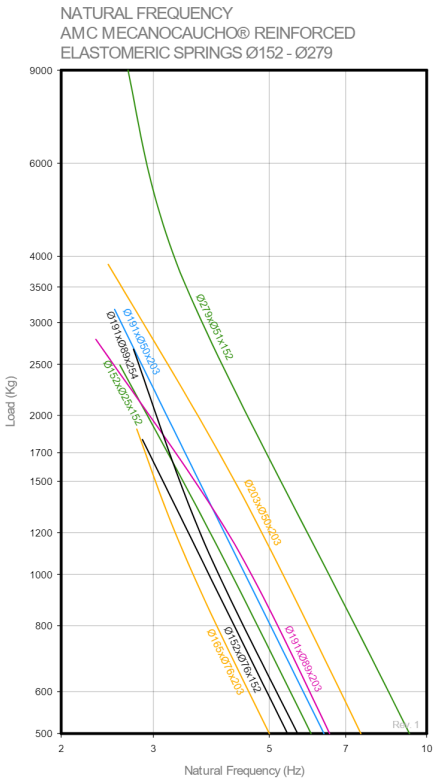
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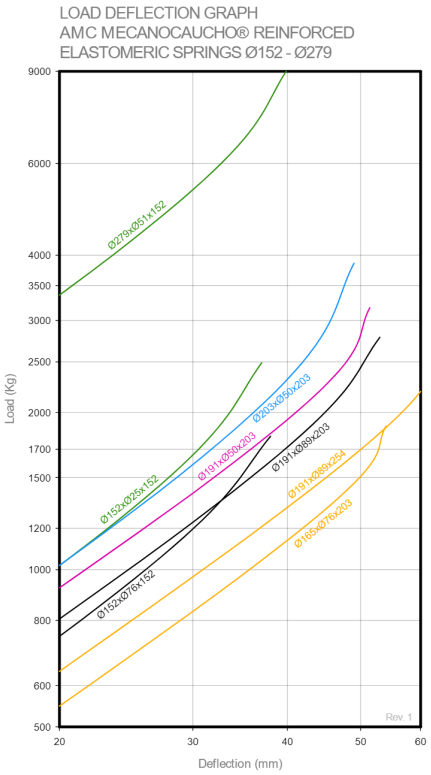
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Elastic properties









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Technical characteristics

Low natural frequencies provide excellent isolation of forced frequencies. Using these type of products will also provide major noise and vibration reduction in the equipment being used, therefore increasing equipment lifespan.

The **reinforced elastomeric springs** have a recommended working temperature range of -40°C to +75°.

Advantages

Easy Installation

This mount requires minimal structural modifications, making installation quick and straightforward.

Improved isolation

It offers improved isolation compared with conventional anti-vibration mounts of similar geometry.

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