Reinforced Elastomeric Springs

Rubber springs reinforced with textile mesh, metal-free, high vertical rigidity, high damping, and total resistance to corrosion.



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**.

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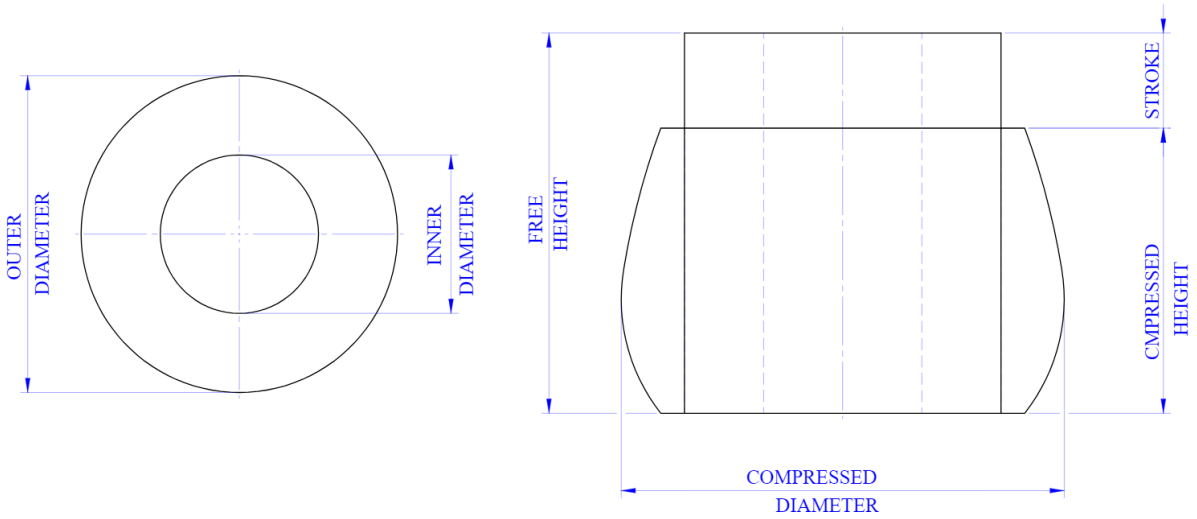
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Drawings

Reinforced elastomeric springs

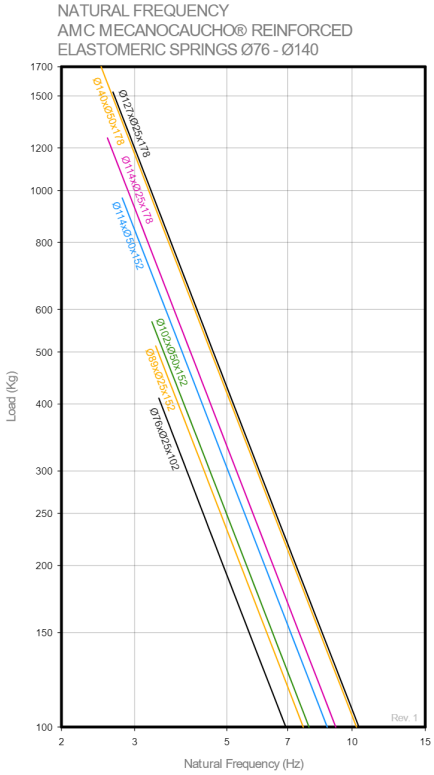


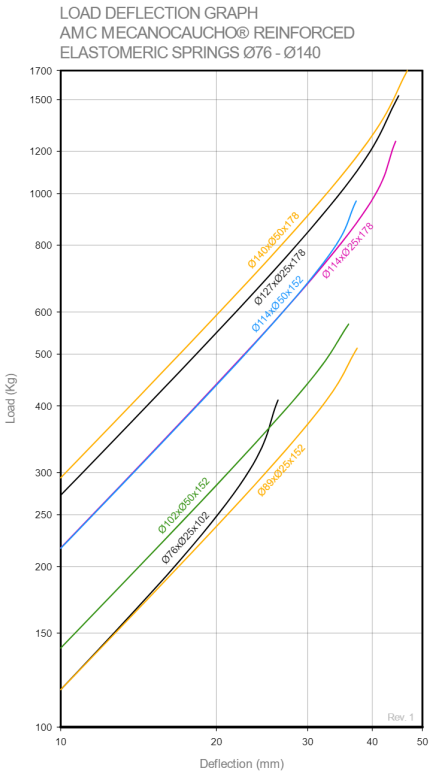
Type	Code	Weight(lbs)	Ø ext.(in)	Ø int.(in)	Free Height (in)	Load (lbs Min.)	Compressed Heightlb Min. (ft)	Freq. (Hz) Min. Load	Load (lbs Max.)	Compressed Heightkg Max. (in)	Freq. (Hz) Max. Load
Reinforced elastomeric springs	171322	0.13	1.63	0.63	1.75	106	274.85	3.72	264	32	7
	171323	0.28	1.63	0.63	3.5	108	542.48	4.08	220	64	3,92
	171300	1	2.99	0.98	4.02	423	622.04	3,99	901	74	4,52
	171303	2	3.5	0.98	5.98	551	940.29	3,21	1131	112	3,28
	171302	2	4.02	1.97	5.98	626	940.29	3,21	1254	112	3,14
	171304	3	4.49	1.97	5.98	1065	940.29	3,37	2133	114	3,4
	171305	4	4.49	0.98	7.01	1402	1099.42	3,23	2762	133	3,34
	171306	5	5	0.98	7.01	1461	1099.42	3,87	3361	129	4,05
	171309	5	5.51	1.97	7.01	1644	1099.42	3,4	3778	129	3,07
	171307	5	5.98	2.99	5.98	1642	940.29	3,42	3965	112	3,2
	171308	9	6.5	2.99	7.99	1962	1251.31	3,03	4150	152	3,14
	171310	7	5.98	0.98	5.98	2244	940.29	3,9	5486	112	3,77
	171314	11	7.52	3.5	7.99	2519	1251.31	2,3	6204	147	3,24
	171315	13	7.52	3.5	10	2508	1562.33	2,66	5880	184	2,96
	171316	15	7.99	1.97	7.99	3101	1251.31	3,56	8514	152	3,15
	171320	22	10.98	2.01	5.98	8194	940.29	3,66	19990	110	3,40

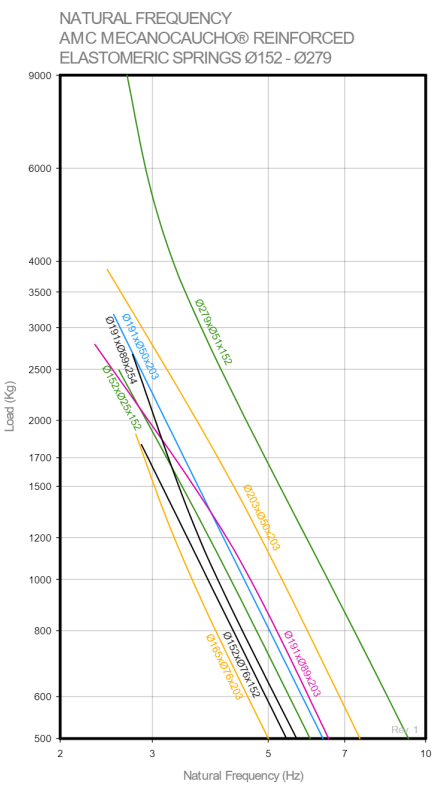
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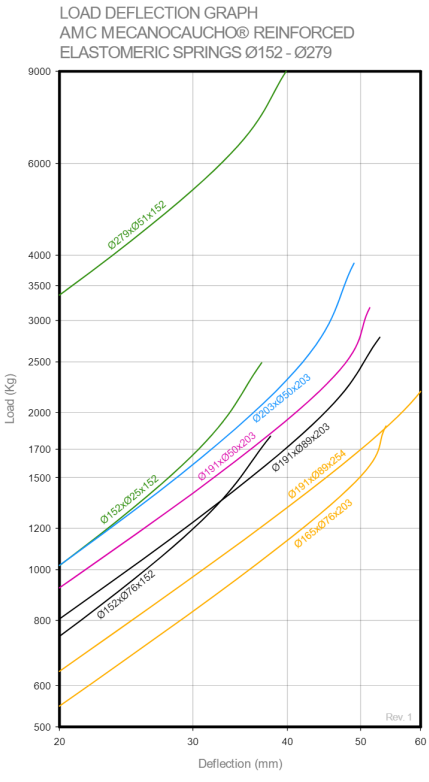
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Elastic properties









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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 no major modifications to the structure for installation.

Improved isolation

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

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