1 AMC Spring Isolator

Spring isolator for static installations, designed for machinery vibration isolation, with natural frequencies from 3.5 to 8 Hz and a rubber or Sylomer® base.

The **AMC-MECANOCAUCHO® 1 AMC Spring Isolator** is designed for the **vibration isolation of machinery and equipment incorporating rotating or reciprocating components**, which may generate dynamic forces and vibration during operation.

The **high elasticity of the steel spring** enables **natural frequencies from 3.5 to 8 Hz**, providing effective low-frequency vibration isolation and reducing the dynamic forces transmitted to the supporting structure.

Reducing vibration transmission helps **protect the machine and its components against dynamic stresses and fatigue**, while limiting the propagation of vibration and **structure-borne noise** to adjacent structures.

Depending on the configuration, the spring isolator can incorporate a **rubber or Sylomer® base**, improving decoupling from the supporting structure and further reducing the transmission of frequencies that may propagate through the steel spring.

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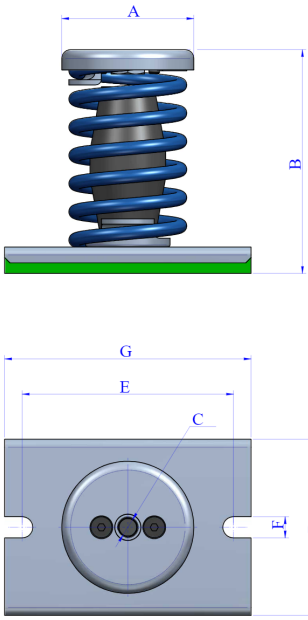
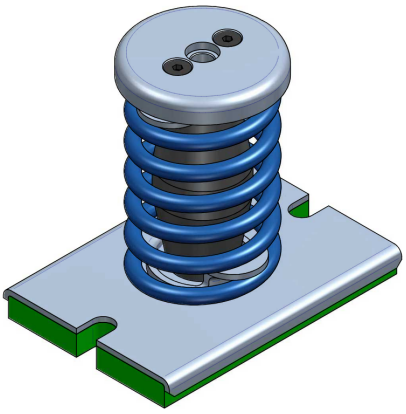
Drawings

1 AMC + Sylomer®





Type	Code	Spring color	Max. Load (lbs)	K(N/mm)	A(in)	B(in)	C(in)	D(in)	E(in)	F(in)	G(in)	Weight(lbs)
1 AMC + Sylomer®	20371	BLUE	331	52	2.95	5	M-12	3.88	4.72	0.47	5.51	2
	20372	WHITE	441	66	2.95	5	M-12	3.88	4.72	0.47	5.51	3
	20373	BLACK	551	83	2.95	5	M-12	3.88	4.72	0.47	5.51	3
	20374	CREAM	771	114	2.95	5	M-12	3.88	4.72	0.47	5.51	3
	20375	LIGHT GREY	1102	268	3.66	5	M-14	3.88	4.72	0.47	5.51	6
	20376	GREEN	1653	407	3.66	5	M-14	3.88	4.72	0.47	5.51	7

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1 AMC + Sylomer Kit Niv.

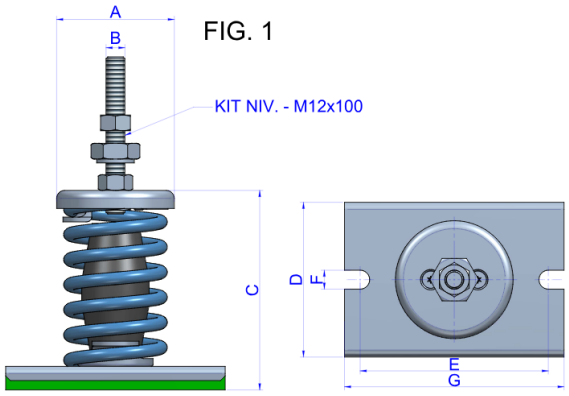

FIG. 1

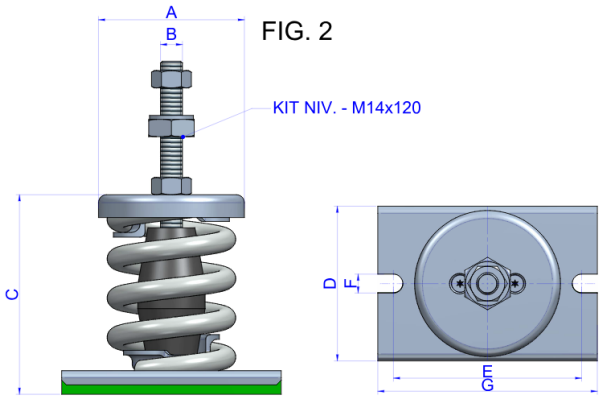

FIG. 2

Type	C(in)	D(in)	E(in)	F(in)	G(in)	Code	Max. Load(lbs)	Spring color	A(in)	B(in)	Weight(lbs)	Fig.
1 AMC + Sylomer Kit Niv.	5	3.88	4.72	0.47	5.51	20445	331	BLUE	2.95	M12	3	1
						20446	441	WHITE	2.95	M12	3	1
						20447	551	BLACK	2.95	M12	3	1
						20448	771	CREAM	2.95	M12	3	1
						20449	1102	LIGHT GREY	3.66	M14	6	2
						20450	1653	GREEN	3.66	M14	7	2

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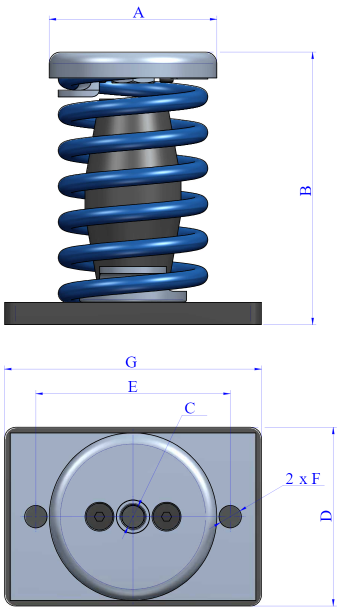
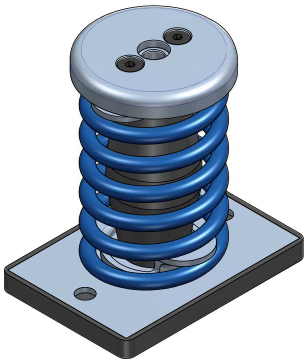
1 AMC





Type	Code	Spring color	Max. Load(lbs)	K(N/mm)	A(in)	B(in)	C(in)	D(in)	E(in)	F(in)	G(in)	Weight(lbs)
1 AMC	20301	BLUE	331	52	2.95	4.8	M-12	3.15	3.43	0.39	4.53	2
	20311	WHITE	441	66	2.95	4.8	M-12	3.15	3.43	0.39	4.53	3
	20321	BLACK	551	83	2.95	4.8	M-12	3.15	3.43	0.39	4.53	3
	20331	CREAM	771	114	2.95	4.8	M-12	3.15	3.43	0.39	4.53	3
	20341	LIGHT GREY	1102	268	3.66	4.72	M-14	3.94	4.72	0.47	5.91	6
	20351	GREEN	1653	407	3.66	4.72	M-14	3.94	4.72	0.47	5.91	7

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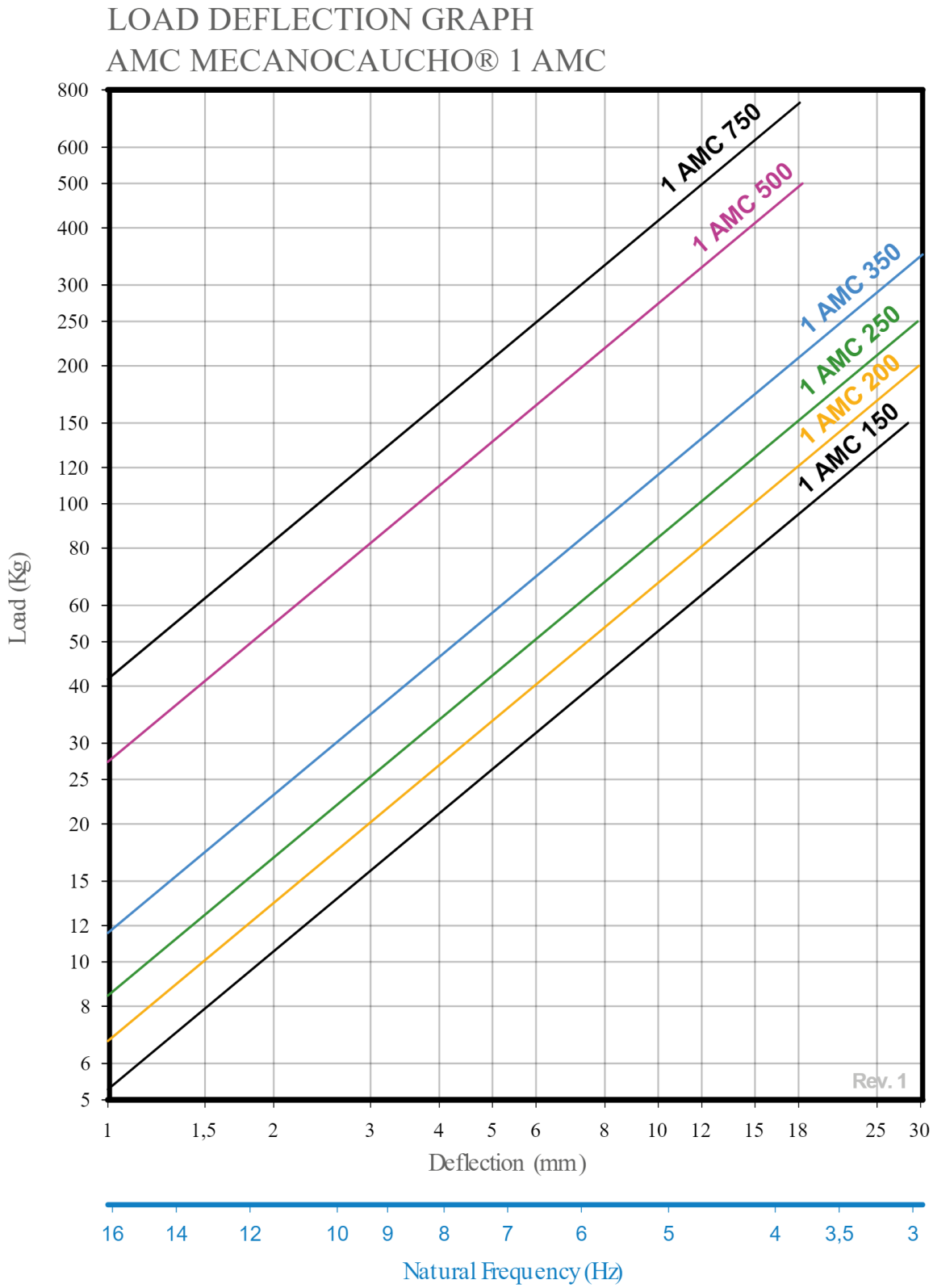
Elastic properties



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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.

Excellent value

This mount delivers very high performance for its cost compared to other possible solutions.

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