3 AMC Spring Isolator

Three-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® 3 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.

Its **three steel spring configuration** provides a **high load capacity** while maintaining the high elasticity required for effective vibration isolation.

The high elasticity of the springs enables **natural frequencies from 3.5 to 8 Hz**, effectively reducing the transmission of low-frequency vibration and dynamic forces 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 springs.

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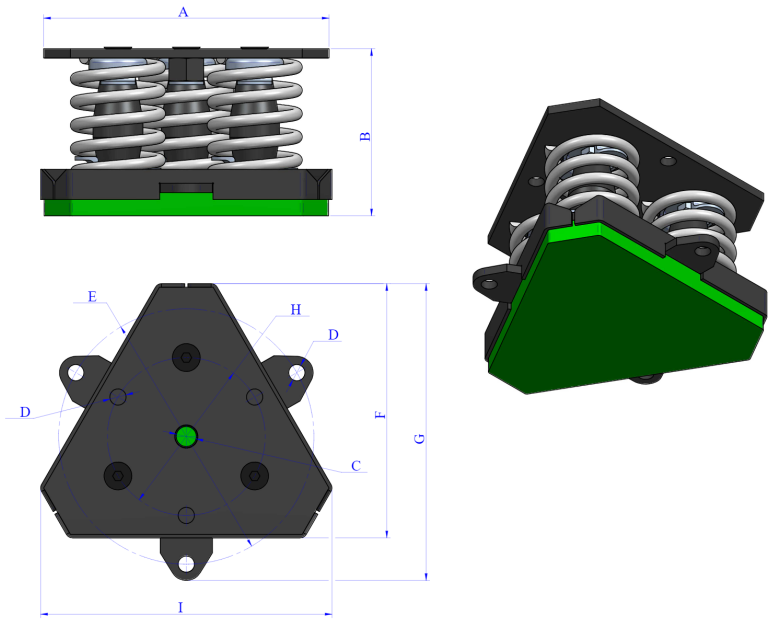
Drawings

3 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)	H(in)	I(in)	Weight(lbs)
3 AMC + Sylomer®	20571	BLUE	992	155	7.73	5.35	M-16	0.47	7.09	6.93	8.18	4.33	7.93	10
	20572	WHITE	1322	198	7.73	5.35	M-16	0.47	7.09	6.93	8.18	4.33	7.93	10
	20573	BLACK	1653	248	7.73	5.35	M-16	0.47	7.09	6.93	8.18	4.33	7.93	11
	20574	CREAM	2314	341	7.73	5.35	M-16	0.47	7.09	6.93	8.18	4.33	7.93	12
	20575	LIGHT GREY	3306	804	9.69	5.35	M-20	0.55	8.66	8.62	10.07	5.35	9.88	19
	20576	GREEN	4959	1220	9.69	5.35	M-20	0.55	8.66	8.62	10.07	5.35	9.88	22

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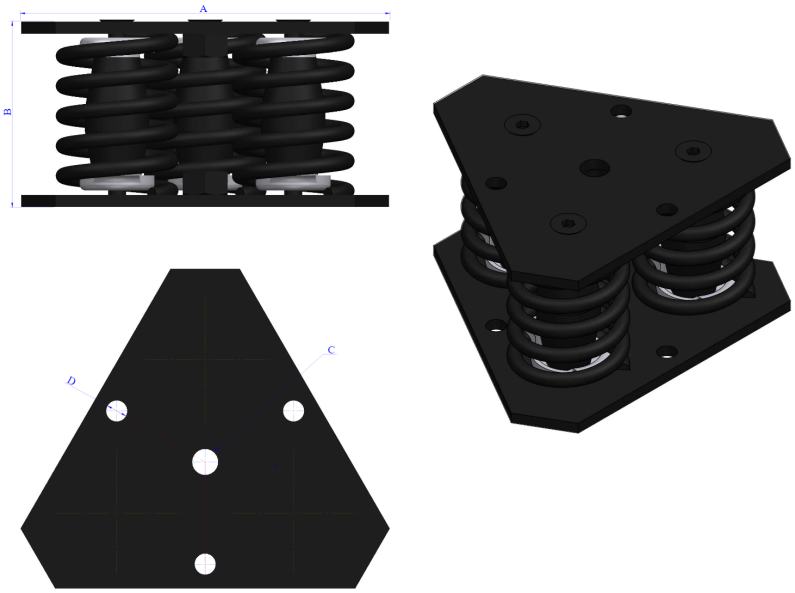
3 AMC



Type	Code	Spring color	Max. Load (lbs)	K(N/mm)	A(in)	B(in)	C(in)	D(in)	E(in)	F(in)	G(in)	H(in)	I(in)	Weight(lbs)
3 AMC	20501	BLUE	992	155	7.73	4.88	M-16	0.47	-	-	-	-	-	10
	20511	WHITE	1322	198	7.73	4.88	M-16	0.47	-	-	-	-	-	10
	20521	BLACK	1653	248	7.73	4.88	M-16	0.47	-	-	-	-	-	11
	20531	CREAM	2314	341	7.73	4.88	M-16	0.47	-	-	-	-	-	12
	20541	LIGHT GREY	3306	804	9.53	4.88	M-20	0.55	-	-	-	-	-	19
	20551	GREEN	4959	1220	9.53	4.88	M-20	0.55	-	-	-	-	-	22

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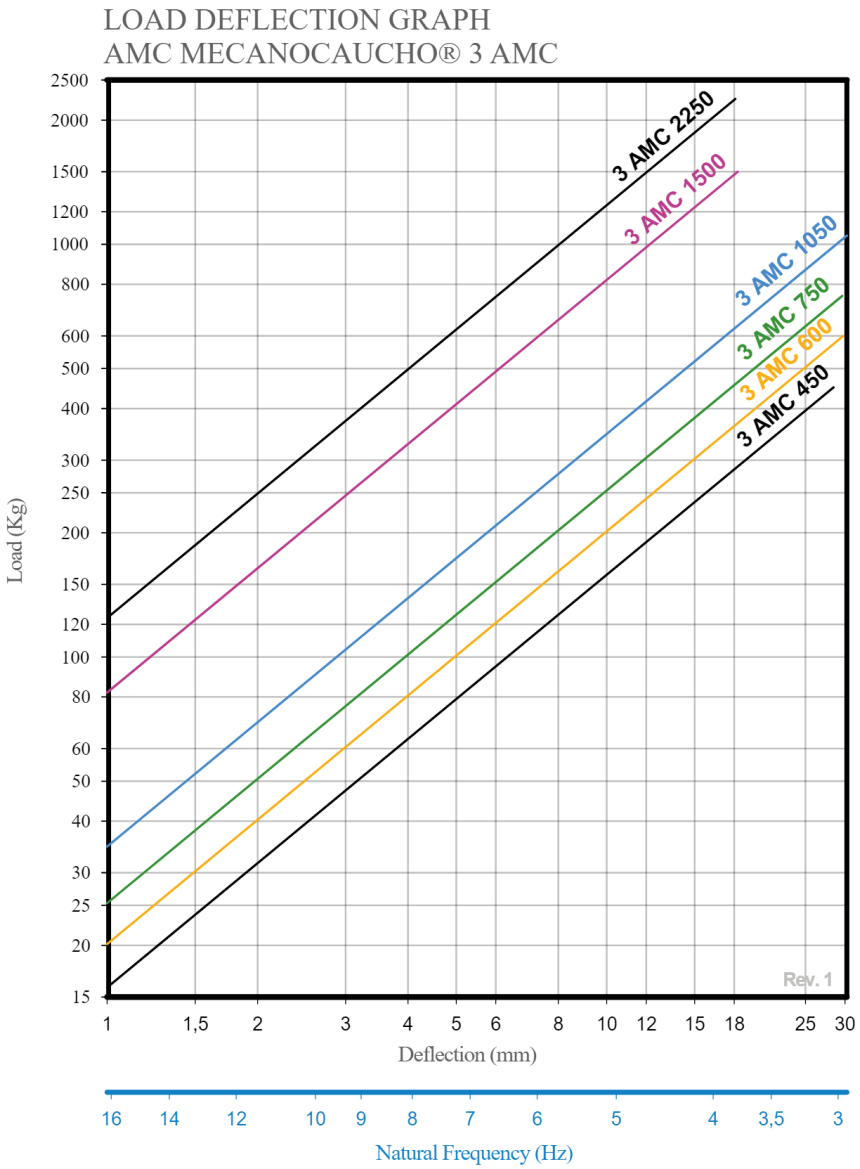
Elastic properties



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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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