6 AMC Spring Isolator

Six-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® 6 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 **six 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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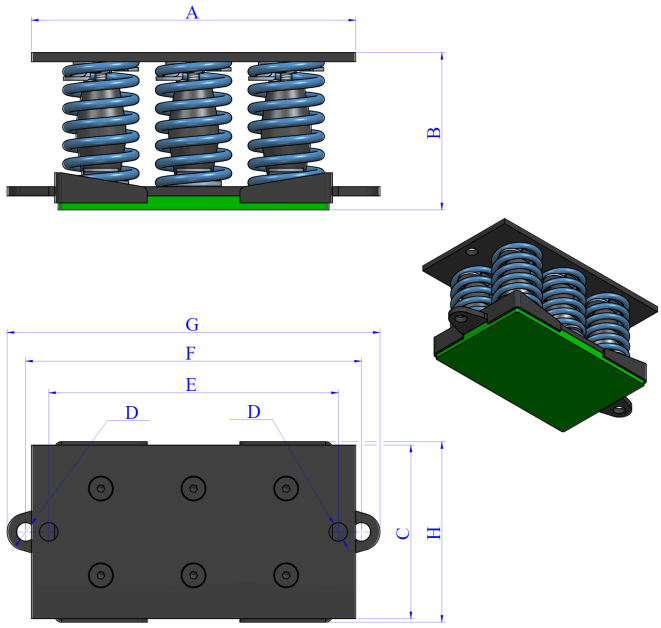
Drawings

6 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)	Weight(lbs)
6 AMC + Sylomer®	20871	BLUE	1984	310	11.02	5.35	5.91	0.63	9.84	11.42	12.68	6.14	20
	20872	WHITE	2645	395	11.02	5.35	5.91	0.63	9.84	11.42	12.68	6.14	20
	20873	BLACK	3306	497	11.02	5.35	5.91	0.63	9.84	11.42	12.68	6.14	22
	20874	CREAM	4628	681	11.02	5.35	5.91	0.63	9.84	11.42	12.68	6.14	24
	20875	LIGHT GREY	6612	1609	13.78	5.35	7.87	0.71	11.81	14.17	15.59	8.11	37
	20876	GREEN	9918	2440	13.78	5.35	7.87	0.71	11.81	14.17	15.59	8.11	43

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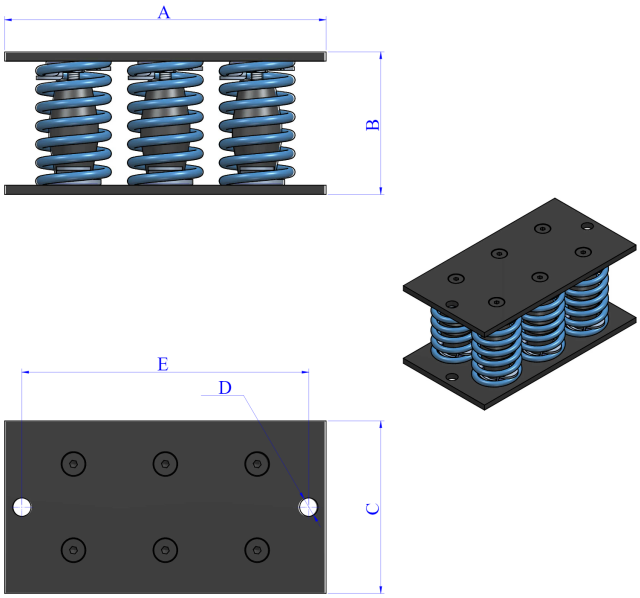
6 AMC



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)	Weight(lbs)
6 AMC	20801	BLUE	1984	310	11.02	4.88	5.91	0.63	9.84	-	-	-	20
	20811	WHITE	2645	395	11.02	4.88	5.91	0.63	9.84	-	-	-	20
	20821	BLACK	3306	497	11.02	4.88	5.91	0.63	9.84	-	-	-	21
	20831	CREAM	4628	681	11.02	4.88	5.91	0.63	9.84	-	-	-	24
	20841	LIGHT GREY	6612	1609	13.78	4.88	7.87	0.71	11.81	-	-	-	37
	20851	GREEN	9918	2440	13.78	4.88	7.87	0.71	11.81	-	-	-	43

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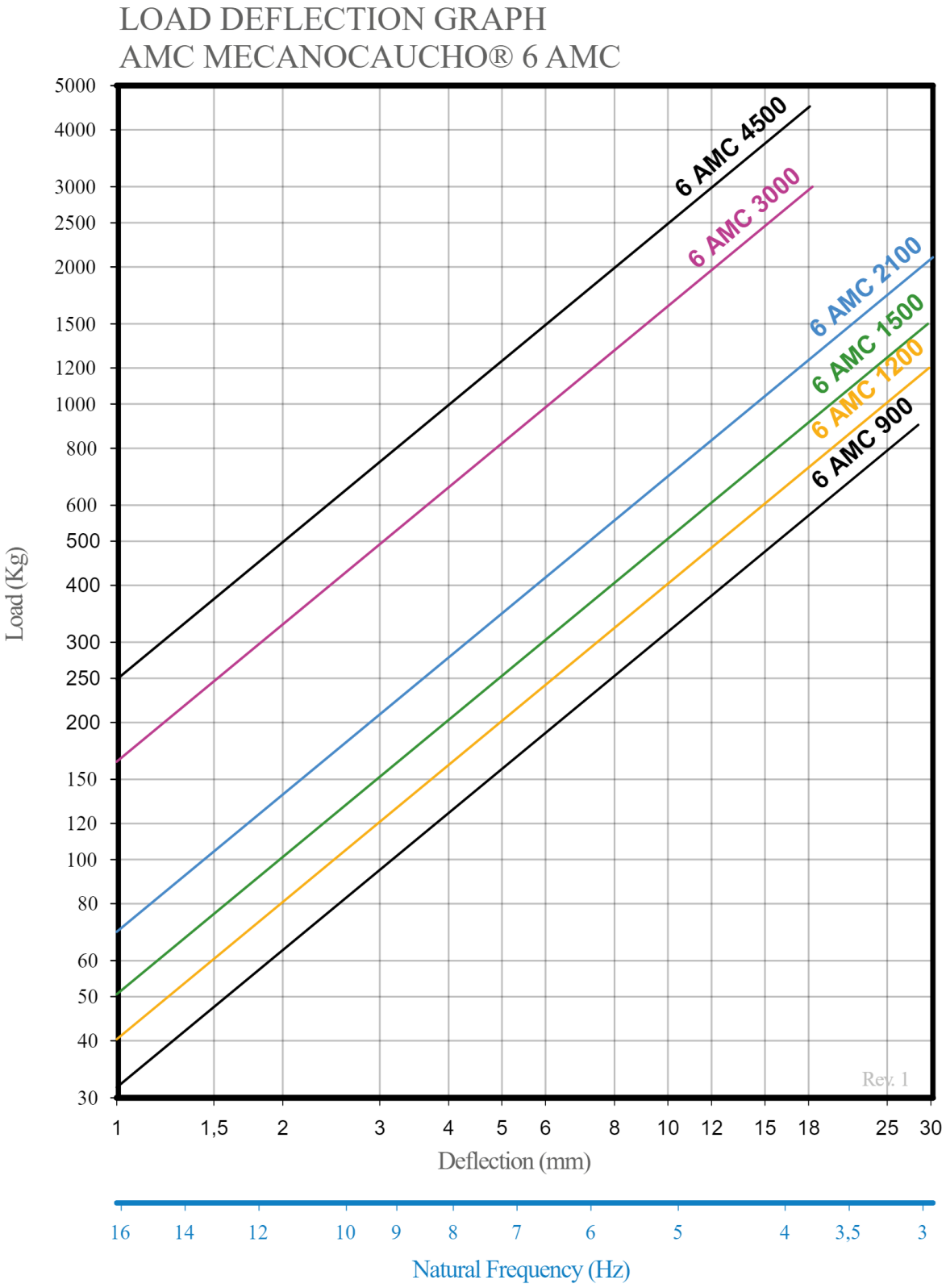
Elastic properties



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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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