

9 AMC Spring Isolator

Nine-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® 9 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 **nine steel spring configuration** provides a **high load capacity** while maintaining the high elasticity required for effective vibration isolation.

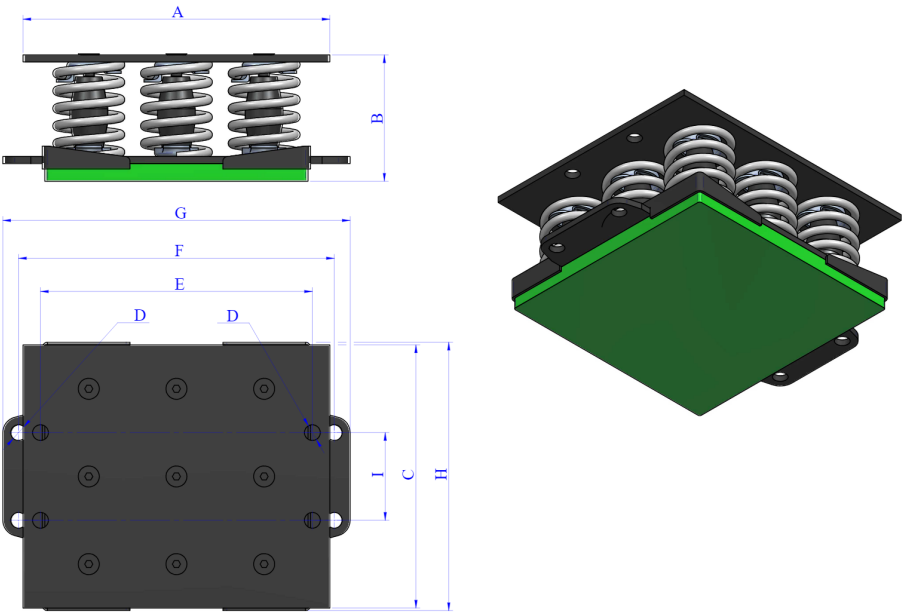
The high elasticity of the springs enables **natural frequencies from 3.5 to 8 Hz**, effectively reducing the transmission of low-frequency vibration and dynamic forces to the supporting structure.

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.

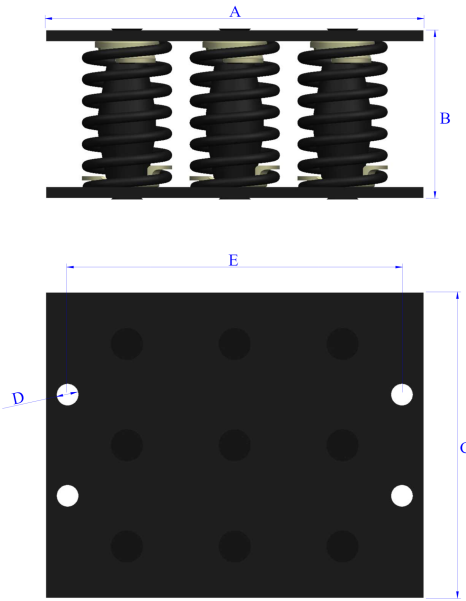
Drawings

9 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)
9 AMC + Sylomer®	20971	BLUE	2975	465	11.02	5.35	8.9	0.63	9.76	11.42	12.68	9.13	2.95	30
	20972	WHITE	3967	593	11.02	5.35	8.9	0.63	9.76	11.42	12.68	9.13	2.95	31
	20973	BLACK	4959	745	11.02	5.35	8.9	0.63	9.76	11.42	12.68	9.13	2.95	33
	20974	CREAM	6943	1022	11.02	5.35	8.9	0.63	9.76	11.42	12.68	9.13	2.95	36
	20975	LIGHT GREY	9918	2413	13.78	5.35	11.81	0.71	12.2	14.17	15.59	12.05	3.94	61
	20976	GREEN	14877	3660	13.78	5.35	11.81	0.71	12.2	14.17	15.59	12.05	3.94	70

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9 AMC	20901	BLUE	2975	465	11.02	4.88	8.9	0.63	9.76	-	-	-	-	30
	20911	WHITE	3967	593	11.02	4.88	8.9	0.63	9.76	-	-	-	-	31
	20921	BLACK	4959	745	11.02	4.88	8.9	0.63	9.76	-	-	-	-	33
	20931	CREAM	6943	1022	11.02	4.88	8.9	0.63	9.76	-	-	-	-	36
	20941	LIGHT GREY	9918	2413	13.78	4.88	11.81	0.71	12.2	-	-	-	-	61
	20951	GREEN	14877	3660	13.78	4.88	11.81	0.71	12.2	-	-	-	-	70

Elastic properties

LOAD DEFLECTION GRAPH
AMC MECANOCAUCHO® 9 AMC

