FZ + Sylomer® Vibration Isolators

Sylomer® vibration isolators for machinery and equipment subjected to compression and tensile loads.

The **AMC-MECANOCAUCHO® FZ + Sylomer® vibration isolators** incorporate a **Sylomer® elastic element** specifically designed to reduce the transmission of **vibration and structure-borne noise** from machinery and equipment to the supporting structure.

Their design combines a **rugged metal housing** with a Sylomer® element that operates in both **compression and tension**. The inner metal component transfers loads to the elastic element, while the isolator geometry incorporates an **integrated mechanical fail-safe feature** to retain the equipment in the event of excessive movement.

The outer housing features **four mounting points** for stable and secure attachment to the equipment frame. This design makes FZ vibration isolators particularly suitable for equipment requiring both **effective vibration isolation and a high level of mechanical safety**.

Sylomer® also provides **excellent oil resistance and good long-term mechanical properties**. FZ vibration isolators can be used within a temperature range of **-30 °C to +70 °C**.

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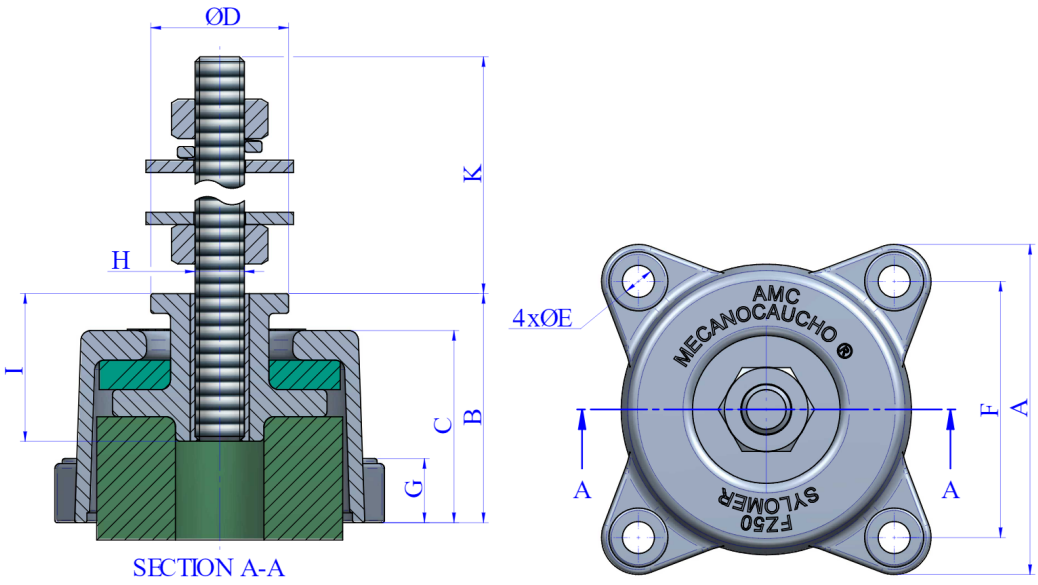
Drawings

FZ-50-27-M10 + LEV KIT / FZ-50-33-M10 + LEV KIT / FZ-50-39-M10 + LEV KIT / FZ-50-45-M10 + LEV KIT / FZ-50-51-M10 + LEV KIT / FZ-100-45-M12 + LEV KIT / FZ-100-51-M12 + LEV KIT / FZ-200-51-M12 + LEV KIT / FZ-200-57-M12 + LEV KIT / FZ-200-57-M14 + LEV KIT / FZ-400-51-M14 + LEV KIT



Type	Max. Load (lbs)	A(in)	B(in)	C(in)	D(in)	E(in)	F(in)	G(in)	H(in)	I(in)	K(in)	Weight(lbs)	Code
FZ-50-27-M10 + LEV KIT	33	2.64	1.83	1.54	1.1	0.26	2.05	0.51	0.39	1.02	2.36	1	176293
FZ-50-33-M10 + LEV KIT	55	2.64	1.83	1.54	1.1	0.26	2.05	0.51	0.39	1.02	2.36	1	176295
FZ-50-39-M10 + LEV KIT	99	2.64	1.83	1.54	1.1	0.26	2.05	0.51	0.39	1.02	2.36	1	176297
FZ-50-45-M10 + LEV KIT	110	2.64	1.83	1.54	1.1	0.26	2.05	0.51	0.39	1.02	2.36	1	176281
FZ-50-51-M10 + LEV KIT	50-100	2.64	1.83	1.54	1.1	0.26	2.05	0.51	0.39	1.02	2.36	1	176291
FZ-100-45-M12 + LEV KIT	100-150	3.23	2.2	1.89	0.98	0.26	2.64	0.51	0.47	1.08	2.36	1	176299
FZ-100-51-M12 + LEV KIT	150-200	3.23	2.2	1.89	0.98	0.26	2.64	0.51	0.47	1.08	2.36	1	176301
FZ-200-51-M12 + LEV KIT	170-280	4.29	2.83	2.17	1.57	0.33	3.54	0.59	0.47	1.08	2.36	2	176311
FZ-200-57-M12 + LEV KIT	280-400	4.29	2.83	2.17	1.57	0.33	3.54	0.59	0.47	1.08	2.36	2	176321
FZ-200-57-M14 + LEV KIT	280-400	4.29	2.83	2.17	1.57	0.33	3.54	0.59	0.55	1.08	2.36	2	176323
FZ-400-51-M14 + LEV KIT	460-800	6.1	3.7	3.15	2.56	0.49	4.92	0.87	0.55	1.08	2.36	5	176331

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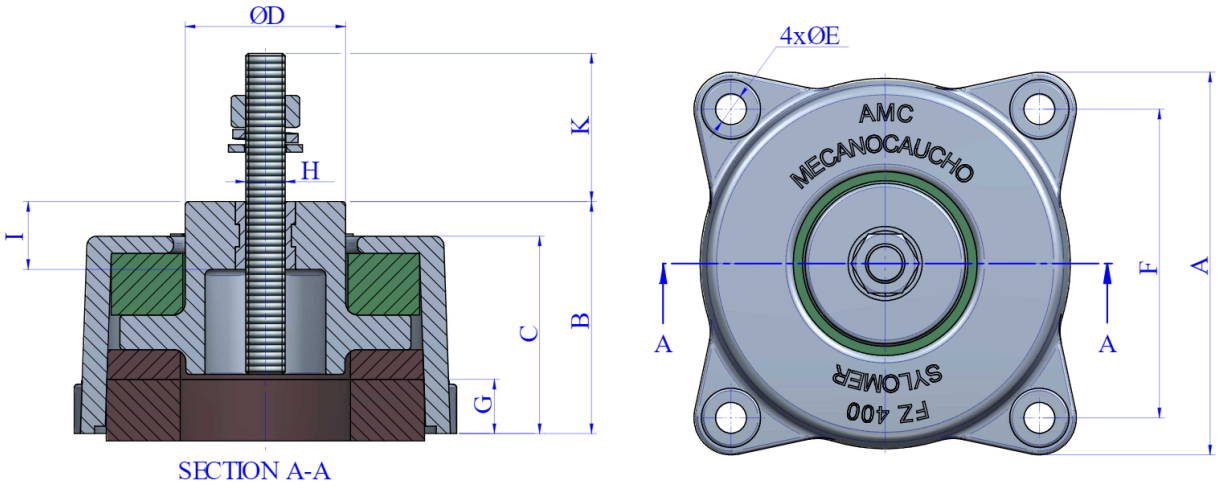
FZ-400-57-M16 + LEV KIT / FZ-600-51-M18 + LEV KIT / FZ-600-57-M20 + LEV KIT / FZ-1000-57-M20 + LEV KIT



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FZ-400-57-M16 + LEV KIT	800-1000	6.1	3.7	3.15	2.56	0.49	4.92	0.87	0.63	1.08	2.36	5	176341
FZ-600-51-M18 + LEV KIT	1000-1200	6.89	3.7	3.15	2.56	0.55	5.51	0.91	0.71	1.1	2.36	7	176351
FZ-600-57-M20 + LEV KIT	1200-1500	6.89	3.7	3.15	2.56	0.55	5.51	0.91	0.79	1.1	2.36	7	176361
FZ-1000-57-M20 + LEV KIT	1500-2000	8.07	3.74	3.15	2.56	0.63	6.38	1.1	0.79	1.1	2.36	8	176371

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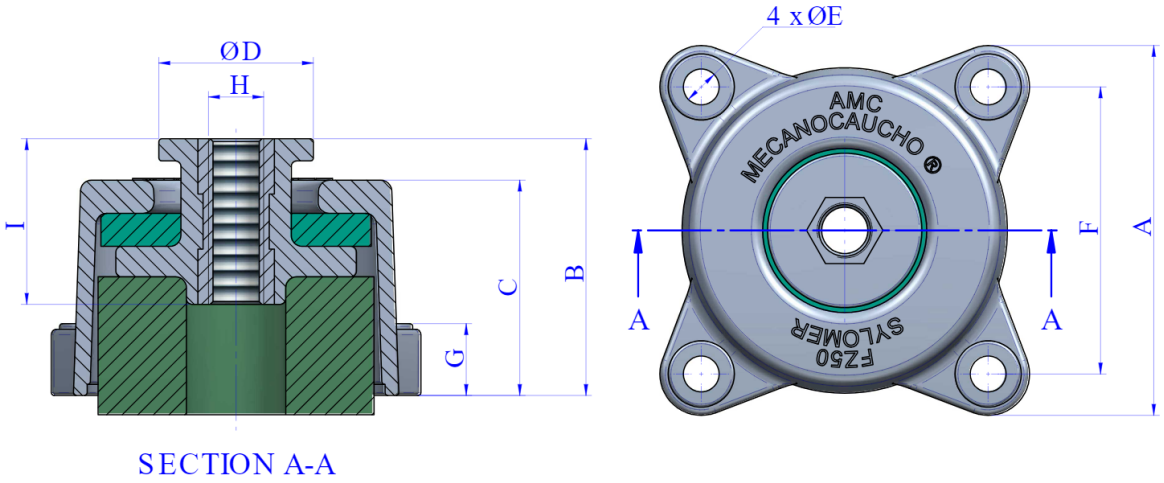
FZ-50-27-M10 / FZ-50-33-M10 / FZ-50-39-M10 / FZ-50-45-M10 / FZ-50-51-M10 / FZ-100-45-M12 / FZ-100-51-M12 / FZ-200-51-M12 / FZ-200-57-M12 / FZ-200-57-M14 / FZ-400-51-M14 / FZ-400-57-M16 / FZ-600-51-M18 / FZ-600-57-M20 / FZ-1000-57-M20



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FZ-50-27-M10	33	2.64	1.83	1.54	1.1	0.26	2.05	0.51	0.39	1.02	-	1	176294
FZ-50-33-M10	55	2.64	1.83	1.54	1.1	0.26	2.05	0.51	0.39	1.02	-	1	176296
FZ-50-39-M10	99	2.64	1.83	1.54	1.1	0.26	2.05	0.51	0.39	1.02	-	1	176298
FZ-50-45-M10	110	2.64	1.83	1.54	1.1	0.26	2.05	0.51	0.39	1.02	-	1	176282
FZ-50-51-M10	50-100	2.64	1.83	1.54	1.1	0.26	2.05	0.51	0.39	1.02	-	1	176292
FZ-100-45-M12	100-150	3.23	2.2	1.89	0.98	0.26	2.64	0.51	0.47	1.08	-	1	176300
FZ-100-51-M12	150-200	3.23	2.2	1.89	0.98	0.26	2.64	0.51	0.47	1.08	-	1	176302
FZ-200-51-M12	170-280	4.29	2.83	2.17	1.57	0.33	3.54	0.59	0.47	1.08	-	2	176312
FZ-200-57-M12	280-400	4.29	2.83	2.17	1.57	0.33	3.54	0.59	0.47	1.08	-	2	176322
FZ-200-57-M14	280-400	4.29	2.83	2.17	1.57	0.33	3.54	0.59	0.55	1.08	-	2	176324
FZ-400-51-M14	460-800	6.1	3.7	3.15	2.56	0.49	4.92	0.87	0.55	1.08	-	5	176332
FZ-400-57-M16	800-1000	6.1	3.7	3.15	2.56	0.49	4.92	0.87	0.63	1.08	-	5	176342
FZ-600-51-M18	1000-1200	6.89	3.7	3.15	2.56	0.55	5.51	0.91	0.71	1.1	-	6	176352
FZ-600-57-M20	1200-1500	6.89	3.7	3.15	2.56	0.55	5.51	0.91	0.79	1.1	-	6	176362
FZ-1000-57-M20	1500-2000	8.07	3.74	3.15	2.56	0.63	6.38	1.1	0.79	1.1	-	7	176372

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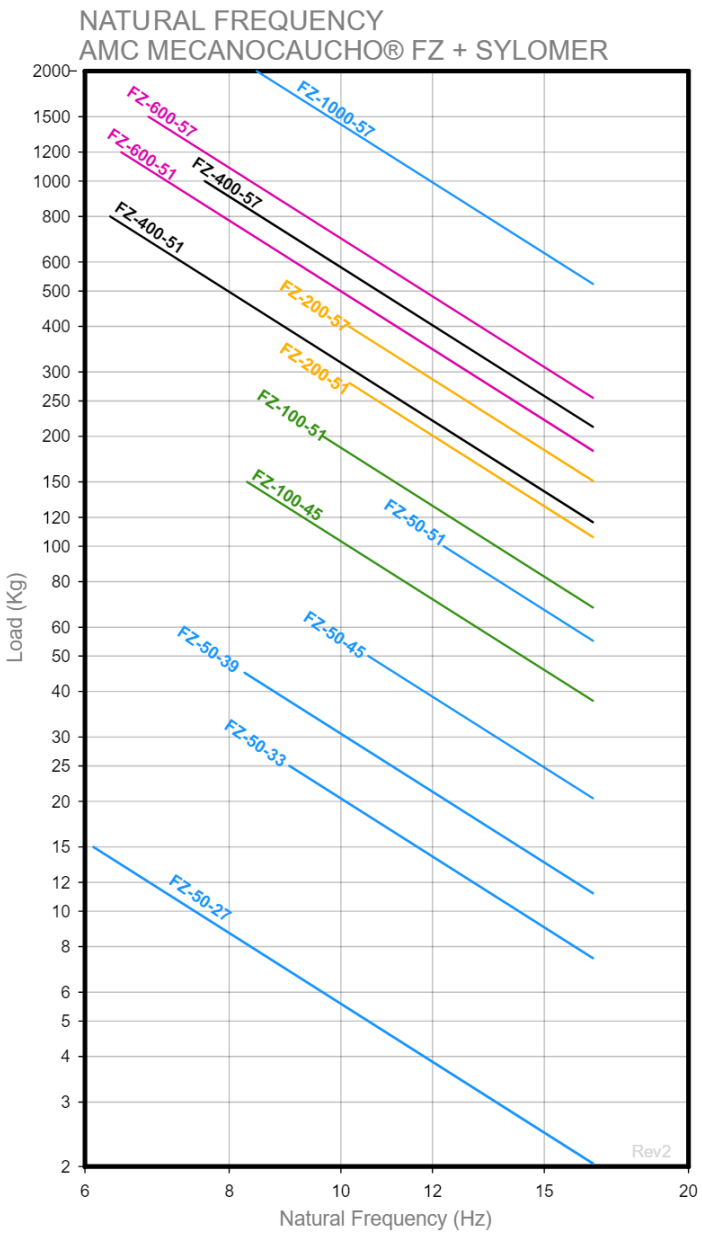
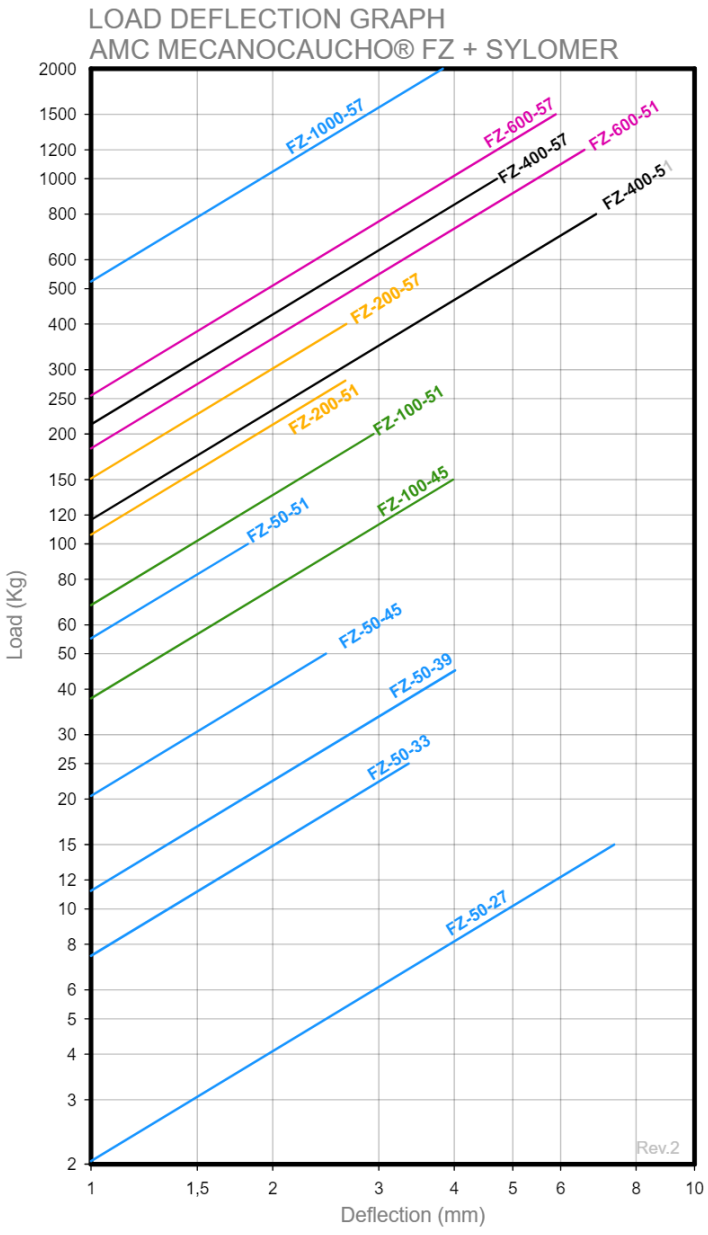
Elastic properties





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Technical characteristics

• The AMC-MECANOCAUCHO FZ mounts incorporate interlocking metal component that provide a fail-safe protection for mobile applications. This device limits the ascending vertical movement when the mounting is submitted to shocks at traction.

• The thickness of the metal parts are robust and are suitable for off road applications.The metal parts have a suitable anti-corrosive treatment for outdoor applications.

• The Sylomer® polyurethane compound is oil resistant and the temperature range of the FZ mounts is 30 ºC +70ºC

Advantages

Incorporates Sylomer® elastomer, highly effective for isolating both high and low frequencies

Sylomer® provides high isolation across a wide frequency range and is particularly effective at high frequencies, effectively eliminating the transmission of structure-borne noise.

Easy installation

This mount requires no major modifications to the structure for installation.

High protection against weathering and chemical contamination

The bell housing protects the rubber from ozone and UV radiation, while also preventing contact with diesel, oils, or other chemicals that could damage it.

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