Type C Diabolo Stud Mounts

Diabolo-shaped vibration isolation stud mounts with female threads on both sides, offering high elasticity and low stiffness for enhanced vibration isolation.

The **AMC-MECANOCAUCHO® Type C Diabolo Stud Mounts** are rubber-metal vibration isolators designed to provide **greater elasticity than conventional cylindrical stud mounts**, allowing higher levels of vibration isolation.

Their **diabolo-shaped geometry** allows greater elastomer deformation and provides **lower stiffness**. This results in **lower natural frequencies**, making them particularly suitable for applications where a high degree of vibration isolation is required.

They consist of an **elastomer body vulcanized between two parallel metal parts**, each incorporating a **female thread**. This configuration allows bolted mounting from both sides and facilitates installation where external threaded studs are not required.

Thanks to their high elasticity, Type C Diabolo Stud Mounts are particularly suitable for **light equipment, fans, pumps, small engines, instruments, and industrial machinery** requiring effective vibration isolation.

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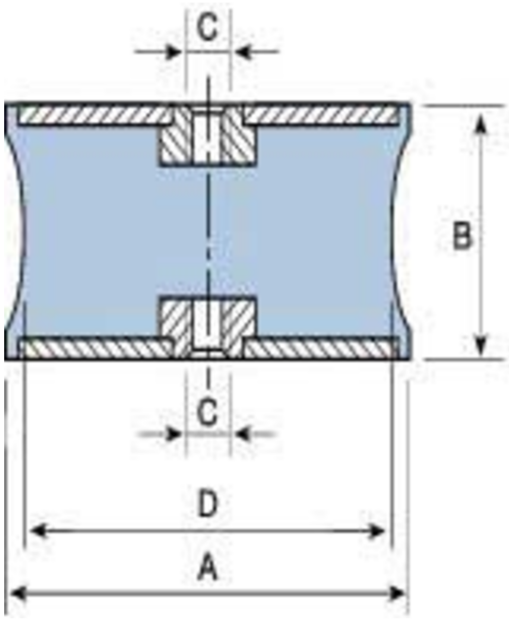
Drawings

F.00N / F.3 / F.0N / F.9 / F.7 / F.1 / F.2 / F.4 / F.8 / F.5 / F.6



Type	A(in)	B(in)	D(in)	COMPRESSIONMax. Load (daN)	COMPRESSION Deflection (in)	SHEAR Max. Load (daN)	SHEAR Deflection (in)	Code	C(in)	Weight(lbs)
F.00N	0.79	0.75	0.53	12	0.1	3	0.2	129202	M-6	0.02
F.3	1.18	0.98	0.94	40	0.2	4	0.18	129203	M-8	0.12
F.0N	1.57	1.1	0.75	30	0.2	2,5	0.18	129204	M-10	0.15
								129213	M-8	0.13
F.9	1.57	1.18	1.02	45	0.12	4	0.18	129205	M-8	0.15
F.7	1.73	1.65	0.98	50	0.24	9	0.24	129206	M-8	0.21
F.1	2.36	1.73	0.94	40	0.2	7	0.2	129207	M-8	0.36
F.2	2.36	1.73	1.34	75	0.2	12	0.24	129208	M-8	0.45
								128002	M-10	0.44
F.4	2.36	2.36	1.97	150	0.31	30	0.39	129209	M-10	1
F.8	2.36	1.42	1.46	100	0.14	20	0.31	129210	M-10	0.41
F.5	3.15	2.76	2.76	300	0.37	55	0.39	129211	M-14	1
F.6	3.74	2.99	3.15	400	0.37	70	0.31	129212	M-16	2

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Technical characteristics

Depending on the size of the rubber block, the AMC Mecanocaucho® bobbing has more or less elasticity, which is greater particularly in all directions perpendicular to its axis (shear). The AMC Mecanocaucho® bobbing thus makes it possible to make joins which permit major relative movements, up to several millimetres (in the case of heat expansion, chassis deformations, etc.). The AMC Mecanocaucho® bobbing serves very well for the vibration isolation of machines where the vibrations are perpendicular to their axis, unless these stresses are too much when applied in this direction.

Advantages

Easy installation

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

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