Type C Diabolo wasted Bobbins

Diabolo wasted shape anti-vibration bobbins with female threads on both sides, offering high elasticity and low stiffness for enhanced vibration isolation.

The **AMC-MECANOCAUCHO® Type C Diabolo Bobbins** are rubber-metal anti-vibration elements designed to provide **greater elasticity than conventional cylindrical bobbins**, 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 vulcanised between two parallel metal parts**, each incorporating a **female thread**. This configuration allows bolted fixing from both sides and facilitates installation where external threaded studs are not required.

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

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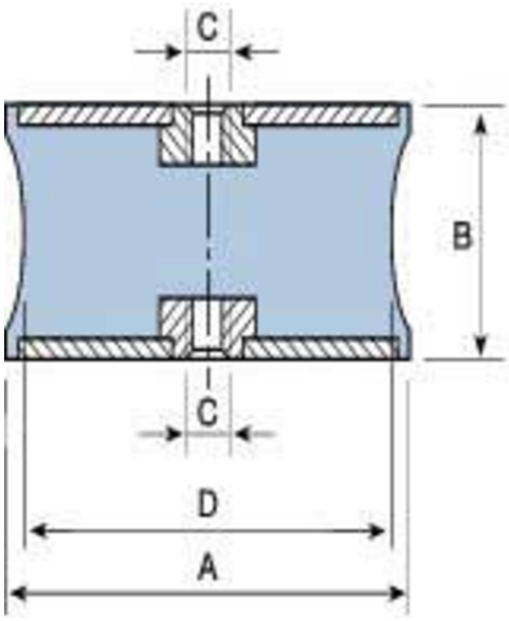
Drawings

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



Type	A(mm)	B(mm)	D(mm)	COMPRESSIONMax. Load (daN)	COMPRESSION Deflection (mm)	SHEAR Max. Load (daN)	SHEAR Deflection (mm)	Code	C(mm)	Weight(kg)
F.00N	20	19	13,5	12	2,5	3	5	129202	M-6	0.01
F.3	30	25	24	40	5	4	4,5	129203	M-8	0.055
F.0N	40	28	19	30	5	2,5	4,5	129204	M-10	0.068
								129213	M-8	0.058
F.9	40	30	26	45	3	4	4,5	129205	M-8	0.069
F.7	44	42	25	50	6	9	6	129206	M-8	0.096
F.1	60	44	24	40	5	7	5	129207	M-8	0.164
F.2	60	44	34	75	5	12	6	129208	M-8	0.202
								128002	M-10	0.198
F.4	60	60	50	150	8	30	10	129209	M-10	0.282
F.8	60	36	37	100	3,5	20	8	129210	M-10	0.187
F.5	80	70	70	300	9,5	55	9,8	129211	M-14	0.554
F.6	95	76	80	400	9,5	70	8	129212	M-16	0.848

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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 minimal structural modifications, making installation quick and straightforward.

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