

Type A Diabolo waisted Bobbins

Diabolo waisted shape anti-vibration bobbins with threaded studs, offering high elasticity and low stiffness for enhanced vibration isolation.



The **AMC-MECANOCAUCHO® Type A Diabolo Bobbins** are rubber-metal anti-vibration elements designed to provide **greater elasticity than conventional cylindrical bobbins**, allowing higher levels of vibration isolation.

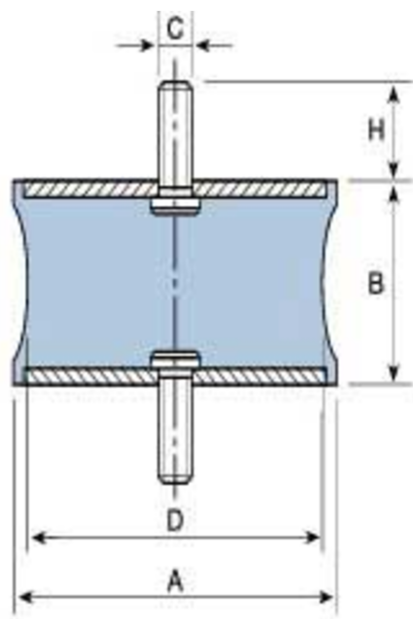
Their **diabolo-shaped geometry** allows greater elastomer deformation and provides **lower stiffness**. This results in **lower natural frequencies**, making them particularly suitable for applications where a high degree of vibration isolation is required.

They consist of an **elastomer body vulcanised between two parallel metal parts**, each fitted with a threaded stud for easy installation.

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

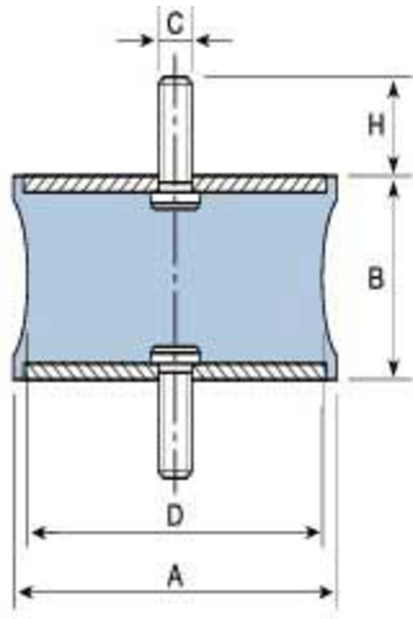
Drawings

F.M / F.000N / F.00N / F.0N / F.3 / F.1 / F.9 / F.7 / F.8 / F.4 / F.6 / F.5



Type	A(mm)	B(mm)	D(mm)	H(mm)	COMPRESSIONMax. Load (daN)	COMPRESSION Deflection (mm)	SHEAR Max. Load (daN)	SHEAR Deflection (mm)	Code	C(mm)	Weight(kg)
F.M	10	10	8	10	2,5	1,2	0,4	1,5	129016	M-4	0.003
F.000N	12	12	8	10	4	1,5	0,4	1,5	129001	M-5	0.006
F.00N	20	19	13,5	16,5	12	2,5	3	5	129002	M-6	0.017
F.0N	40	28	19	25	30	5	2,5	4,5	129004	M-10	0.091
									128001	M-8	0.083
F.3	30	25	24	20	40	5	4	4,5	129003	M-8	0.054
F.1	60	44	24	20	40	5	7	5	129007	M-8	0.175
F.9	40	30	26	25	45	3	4	4,5	129005	M-8	0.09
F.7	44	42	25	25	50	6	9	6	129006	M-8	0.107
F.8	60	36	37	25	100	3,5	20	8	129010	M-10	0.208
F.4	60	60	50	25	150	8	30	10	129009	M-10	0.287
F.6	95	76	80	45	400	9,5	70	8	129012	M-16	0.94
F.5	80	70	70	35	300	9,5	55	9,8	129011	M-14	1.454

F.2



Type	A(mm)	B(mm)	D(mm)	COMPRESSIONMax. Load (daN)	COMPRESSION Deflection (mm)	SHEAR Max. Load (daN)	SHEAR Deflection (mm)	Code	C(mm)	H(mm)	Weight(kg)
F.2	60	44	34	75	5	12	6	129008	M-8	20	0.192
								129013	M-10	25	0.188

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 joints 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.