Rubber Metal anti vibration mounts

AMC MECANOCAUCHO® BOBBINS TYPE

The AMC Mecanocaucho® Bobbins are devices for making elastic anchorings or fixings. They can be used in a wide variety of applications, particularly for elastic suspensions and anti vibration isolation of machines and different mechanical organs. They are made of a block of rubber with two parallel metal parts at the end which enable it to be fixed either by screws in the "C" model or with nuts in the "A" model or a combination of both in the "B" model. The rubber block may be cylindrical in cases requiring greater load capacity or as a diabolo when greater elasticity is required in all directions.

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.

APPLICATIONS

The AMC Mecanocaucho® bobbins are particularly suitable for installation on small motor-pumps, motor-ventilators, driers, sieves, compactors, washing machines, electrical motors, on-board control panels, measuring apparatuses, control cabinets, microphones, fluorescent tubes, etc.

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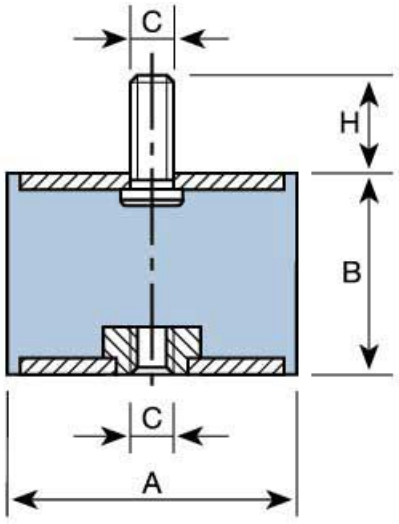
AMC MECANOCAUCHO® BOBBINS TYPE B

DRAWINGS



DIMENSIONS

Type	A (mm)	B (mm)	C (mm)	H (mm)	Weight (kg)	COMPRESSION LOAD Max. daN	COMPRESSION DEFLECT. mm	SHEAR LOAD Max. daN	SHEAR DEFLECT. mm	Code
BOBBINS TYPE B 12-25	12,5	10	M-5	10	0,005	12	2	1,5	1,5	121001
	12,5	15	M-5	10	0,006	10	3	1,5	2	121002
	12,5	20	M-5	10	0,007	8	3,5	1,5	4	121003
	16	10	M-5	12	0,008	20	1,5	2,5	1,5	121011
	16	15	M-5	12	0,01	20	3	2,5	2	121012
	16	20	M-5	12	0,011	15	4	2,5	4	121013
	16	25	M-5	12	0,012	15	5	2	5	121014
	20	15	M-6	16,5	0,017	35	4	5	2,5	121022
	20	20	M-6	16,5	0,018	30	5	5	3,5	121023
	20	25	M-6	16,5	0,02	30	5,5	4,5	4,5	121024
	20	30	M-6	16,5	0,021	25	7	4,5	4,5	121025
	25,5	15	M-6	18	0,033	60	3,5	8	2,5	121172
	25,5	20	M-6	18	0,034	55	4,5	8	3,5	121173
	25,5	25	M-6	18	0,037	50	6	8	4,5	121174
	25,5	30	M-6	18	0,038	50	8	8	6	121175
	25,5	15	M-8	20	0,036	60	3,5	8	2,5	121031
	25,5	19	M-8	20	0,037	55	4,5	8	3,5	121032
	25,5	22	M-8	20	0,038	50	5,5	8	4	121033
	25,5	25	M-8	20	0,039	50	6	8	4,5	121034
	25,5	30	M-8	20	0,041	50	8	8	6	121035
	25,5	40	M-8	20	0,046	50	10	10	6	121036

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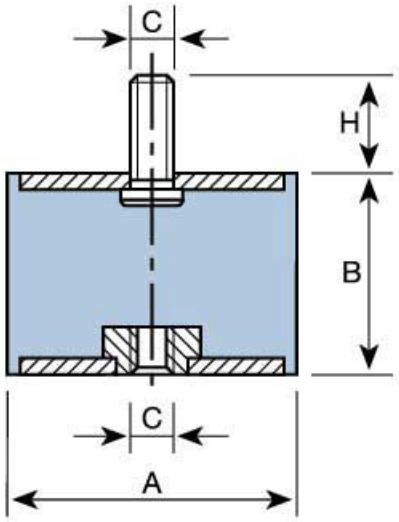

DIMENSIONS

Type	A (mm)	B (mm)	C (mm)	H (mm)	Weight (kg)	COMPRESSION LOAD Max. daN	COMPRESSION DEFLECT. mm	SHEAR LOAD Max. daN	SHEAR DEFLECT. mm	Code
BOBBINS TYPE B 30-40	30	15	M-8	20	0,047	90	3	11	2,5	121041
	30	22	M-8	20	0,049	80	5	11	4	121042
	30	25	M-8	20	0,053	75	6,5	11	5	121186
	30	30	M-8	20	0,056	70	8	11	6	121043
	30	40	M-8	20	0,062	60	9	11	7,5	121044
	40	20	M-8	20	0,078	160	5	20	3	121193
	40	25	M-8	20	0,095	150	6	20	3,5	121194
	40	28	M-8	20	0,098	150	6	20	5,5	121195
	40	30	M-8	20	0,101	150	6	30	5,5	121196
	40	35	M-8	20	0,102	120	8	20	6,5	121197
	40	40	M-8	20	0,105	120	10	20	7,5	121198
	40	45	M-8	20	0,12	120	11	20	9	121199
	40	20	M-10	25	0,09	160	5	20	3	121051
	40	25	M-10	25	0,099	150	6	20	3,5	121191
	40	28	M-10	25	0,103	150	6	20	5,5	121052
	40	30	M-10	25	0,103	150	6	30	5,5	121192
	40	35	M-10	25	0,105	120	8	20	6,5	121053
	40	40	M-10	25	0,109	120	10	20	7,5	121054
	40	45	M-10	25	0,125	120	11	20	9	121055

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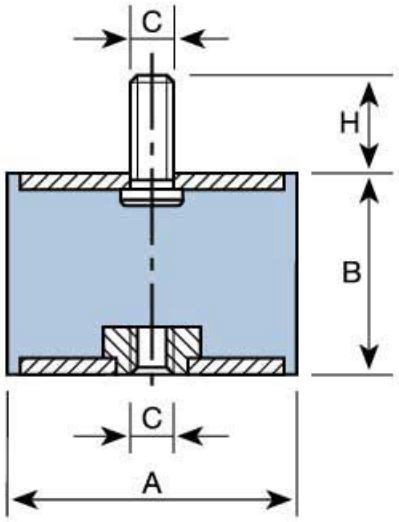

DIMENSIONS

Type	A (mm)	B (mm)	C (mm)	H (mm)	Weight (kg)	COMPRESSION LOAD Max. daN	COMPRESSION DEFLECT. mm	SHEAR LOAD Max. daN	SHEAR DEFLECT. mm	Code
BOBBINS TYPE B 50-75	50	20	M-10	25	0,124	300	5	25	3,5	121201
	50	25	M-10	25	0,128	300	6	25	4,5	121061
	50	30	M-10	25	0,141	275	7	25	6,5	121202
	50	35	M-10	25	0,151	250	8	25	7	121062
	50	40	M-10	25	0,162	210	10	25	8	121203
	50	45	M-10	25	0,173	190	11	25	9	121063
	50	50	M-10	25	0,192	170	11	25	10,5	121204
	50	60	M-10	25	0,202	150	11	25	12	121064
	60	25	M-10	25	0,204	400	6	30	4,5	121071
	60	36	M-10	25	0,238	300	9	30	7	121072
	60	45	M-10	25	0,264	250	11	30	9	121073
	60	60	M-10	25	0,311	200	12	30	10	121074
	70	35	M-10	25	0,311	450	8	35	6,5	121081
	70	50	M-10	25	0,371	350	11	35	11	121082
	70	60	M-10	25	0,416	300	12	35	13	121083
	70	70	M-10	25	0,479	300	14	35	15	121084
	75	25	M-12	30	0,301	650	7	37	5	121091
	75	40	M-12	30	0,384	500	9	37	7	121092
	75	45	M-12	30	0,411	500	10	37	9	121093
	75	55	M-12	30	0,455	450	11	37	11	121094

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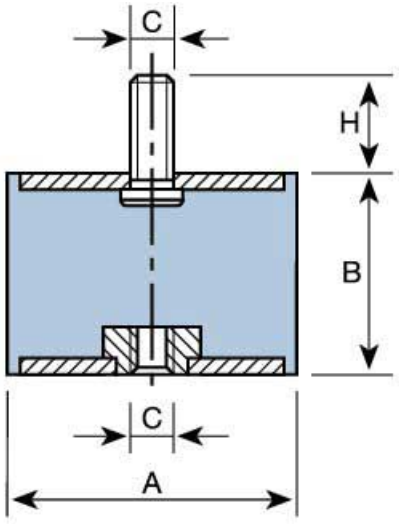

DIMENSIONS

Type	A (mm)	B (mm)	C (mm)	H (mm)	Weight (kg)	COMPRESSION LOAD Max. daN	COMPRESSION DEFLECT. mm	SHEAR LOAD Max. daN	SHEAR DEFLECT. mm	Code
BOBBINS TYPE B 80-150	80	30	M-14	35	0,445	950	7	40	5	121101
	80	40	M-14	35	0,505	600	9	40	7	121102
	80	50	M-14	35	0,521	550	10	40	8	121103
	80	55	M-14	35	0,544	550	11	40	9	121104
	80	70	M-14	35	0,648	500	13	40	15	121105
	80	75	M-14	35	0,687	450	14	40	16	121106
	95	40	M-16	45	0,769	1200	8	60	7	121111
	95	55	M-16	45	0,88	1000	11	60	8	121112
	95	60	M-16	45	0,888	800	12	60	10	121113
	95	75	M-16	45	1,087	700	13	60	14	121114
	105	50	M-16	45	0,927	1200	9	80	9	121121
	105	75	M-16	45	1,208	1000	13	80	14	121122
	105	100	M-16	45	1,422	800	16	80	16	121123
	120	50	M-16	45	1,078	1500	9	100	9	121131
	120	75	M-16	45	1,407	1200	13	100	14	121132
	120	100	M-16	45	1,834	1000	16	100	16	121133
	130	50	M-16	45	1,591	1600	9	120	9	121142
	130	75	M-16	45	2,039	1450	13	120	14	121143
	130	100	M-16	45	2,426	1200	16	120	16	121144
	150	50	M-20	50	3,301	1800	9	140	9	121151
	150	75	M-20	50	4,001	1650	13	140	14	121152
	150	100	M-20	50	3,356	1400	16	140	16	121153

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OPERATION AND ASSEMBLY

Its elasticity is much greater in all the directions parallel to the armatures than in the perpendicular direction. The rubber works based on compression or shear depending on the direction it is placed at installation time. This direction is made according to the use and the objective. It is therefore installed with nuts or screws depending on the model chosen, with one part attached to the fixed chassis and the other to the machine to be suspended.

ADVANTAGES

- Easy to install.
- High elasticity (particularly transversal).
- Economical.

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