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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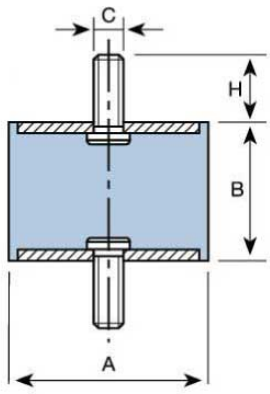
AMC MECANOCAUCHO® BOBBINS TYPE A

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 A 12-25	12,5	10	M-5	10	0,006	12	2	1,5	1,5	120001
	12,5	15	M-5	10	0,007	10	3	1,5	2	120002
	12,5	20	M-5	10	0,008	8	3,5	1,5	4	120003
	16	10	M-5	12	0,01	20	1,5	2,5	1,5	120011
	16	15	M-5	12	0,011	20	3	2,5	2	120012
	16	20	M-5	12	0,012	15	4	2,5	4	120013
	16	25	M-5	12	0,013	15	5	2	5	120014
	20	8,5	M-6	16,5	0,016	40	1,5	5	1	120021
	20	15	M-6	16,5	0,018	35	4	5	2,5	120022
	20	20	M-6	16,5	0,019	30	5	5	3,5	120023
	20	25	M-6	16,5	0,02	30	5,5	4,5	4,5	120024
	20	30	M-6	16,5	0,022	25	7	4,5	4,5	120025
	25,5	10	M-6	18	0,032	80	2	8	1,5	120171
	25,5	15	M-6	18	0,032	60	3,5	8	2,5	120172
	25,5	20	M-6	18	0,039	55	4,5	8	3,5	120173
	25,5	25	M-6	18	0,041	50	6	8	4,5	120174
	25,5	30	M-6	18	0,043	50	8	8	6	120175
	25,5	10	M-8	20	0,034	80	2	8	1,5	120026
	25,5	15	M-8	20	0,04	60	3,5	8	2,5	120031
	25,5	19	M-8	20	0,04	55	4,5	8	3,5	120032
	25,5	22	M-8	20	0,042	50	5,5	8	4	120033
	25,5	25	M-8	20	0,043	50	6	8	4,5	120034
	25,5	30	M-8	20	0,046	50	8	8	6	120035
	25,5	40	M-8	20	0,053	50	10	10	6	120036

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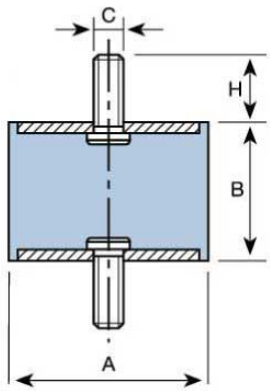

DIMENSIONS

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 A 30-50	30	15	M-8	20	0,049	90	3	11	2,5	120041
	30	22	M-8	20	0,053	80	5	11	4	120042
	30	25	M-8	20	0,056	75	6,5	11	5	120186
	30	30	M-8	20	0,059	70	8	11	6	120043
	30	40	M-8	20	0,066	60	9	11	7,7	120044
	40	20	M-8	20	0,086	160	5	20	3	120193
	40	25	M-8	20	0,1	150	6	20	3,5	120194
	40	28	M-8	20	0,106	150	6	20	5,5	120195
	40	30	M-8	20	0,113	150	6	30	5,5	120196
	40	35	M-8	20	0,117	120	8	20	6,5	120197
	40	40	M-8	20	0,123	120	10	20	7,5	120198
	40	45	M-8	20	0,134	120	11	20	9	120199
	40	20	M-10	25	0,1	160	5	20	3	120051
	40	25	M-10	25	0,104	150	6	20	3,5	120191
	40	28	M-10	25	0,111	150	6	20	5,5	120052
	40	30	M-10	25	0,117	150	6	30	5,5	120192
	40	35	M-10	25	0,121	120	8	20	6,5	120053
	40	40	M-10	25	0,128	120	10	20	7,5	120054
	40	45	M-10	25	0,137	120	11	20	9	120055
	50	20	M-10	25	0,128	300	5	25	3,5	120201
	50	25	M-10	25	0,132	300	6	25	4,5	120061
	50	30	M-10	25	0,148	275	7	25	6,5	120202
	50	35	M-10	25	0,153	250	8	25	7	120062
	50	40	M-10	25	0,169	210	10	25	8	120203
	50	45	M-10	25	0,179	190	11	25	9	120063
	50	50	M-10	25	0,199	170	11	25	10,5	120204
	50	60	M-10	25	0,21	150	11	25	12	120064

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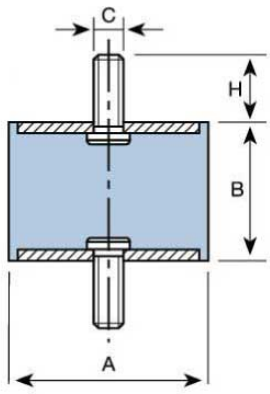

DIMENSIONS

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 A 60-95	60	25	M-10	25	0,207	400	6	30	4,5	120071
	60	36	M-10	25	0,241	300	9	30	7	120072
	60	45	M-10	25	0,269	250	11	30	9	120073
	60	60	M-10	25	0,315	200	12	30	10	120074
	70	35	M-10	25	0,322	450	8	35	6,5	120081
	70	50	M-10	25	0,38	350	11	35	11	120082
	70	60	M-10	25	0,423	300	12	35	13	120083
	70	70	M-10	25	0,485	300	14	35	15	120084
	75	25	M-12	30	0,32	650	7	37	5	120091
	75	40	M-12	30	0,402	500	9	37	7	120092
	75	45	M-12	30	0,423	500	10	37	9	120093
	75	55	M-12	30	0,468	450	11	37	11	120094
	80	30	M-14	35	0,503	950	7	40	5	120101
	80	40	M-14	35	0,561	600	9	40	7	120102
	80	50	M-14	35	0,606	550	10	40	8	120103
	80	55	M-14	35	0,571	550	11	40	9	120104
	80	70	M-14	35	0,71	500	13	40	15	120105
	80	75	M-14	35	0,737	450	14	40	16	120106
	95	40	M-16	45	0,803	1200	8	60	7	120111
	95	55	M-16	45	0,932	1000	11	60	8	120112
	95	60	M-16	45	0,971	800	12	60	10	120113
	95	75	M-16	45	1,148	700	13	60	14	120114

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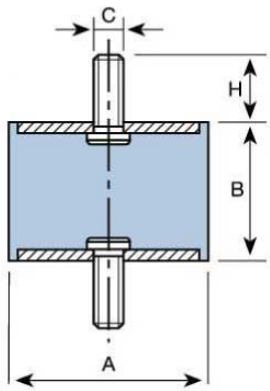

DIMENSIONS

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 A 105-150	105	50	M-16	45	1	1200	9	80	9	120121
	105	75	M-16	45	1,283	1000	13	80	14	120122
	105	100	M-16	45	1,493	800	16	80	16	120123
	120	50	M-16	45	1,153	1500	9	100	9	120131
	120	75	M-16	45	1,568	1200	13	100	14	120132
	120	100	M-16	45	1,903	1000	16	100	16	120133
	130	50	M-16	45	1,658	1600	9	120	9	120142
	130	75	M-16	45	2,105	1450	13	120	14	120143
	130	100	M-16	45	2,492	1200	16	120	16	120144
	150	50	M-20	50	2,268	1800	9	140	9	120151
	150	75	M-20	50	2,808	1650	13	140	14	120152
	150	100	M-20	50	3,356	1400	16	140	16	120153

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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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