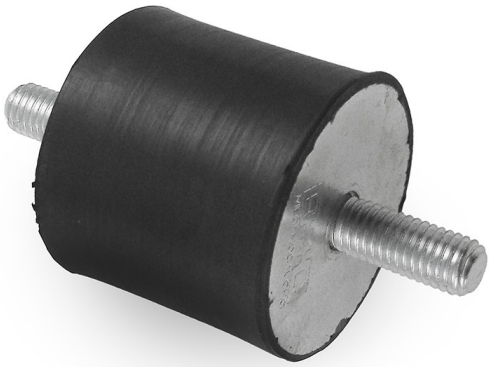
Type A Bobbins

Simple and versatile cylindrical anti-vibration bobbins with threaded studs, designed for vibration isolation in a wide range of machinery and equipment.



The **AMC-MECANOCAUCHO® Type A Bobbins** are rubber-metal anti-vibration elements designed to provide a **simple, compact and reliable flexible connection** between equipment and its supporting structure.

They consist of a **cylindrical elastomer body vulcanised between two parallel metal parts**, each fitted with a threaded stud for simple and quick installation.

Depending on the installation arrangement, these bobbins can operate mainly in **compression, shear or a combination of both**, effectively reducing the transmission of vibration and structure-borne noise.

Available in a wide range of **dimensions, rubber hardnesses and stiffnesses**, Type A Bobbins are particularly suitable for **engines, pumps, fans, compressors, electrical and electronic equipment and light industrial machinery**.

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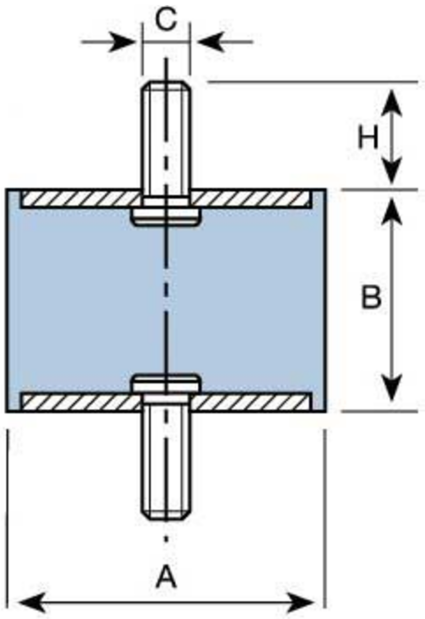
Drawings

BOBBINS TYPE A 12-25



Type	Code	A(mm)	B(mm)	C(mm)	H(mm)	Weight(kg)	COMPRESSIONMax. Load (daN)	COMPRESSION Deflection (mm)	SHEAR Max. Load (daN)	SHEAR Deflection (mm)
BOBBINS TYPE A 12-25	120001	12,5	10	M-5	10	0.006	12	2	1,5	1,5
	120002	12,5	15	M-5	10	0.007	10	2,5	1,5	2
	120003	12,5	20	M-5	10	0.008	8	3	1,5	2
	120011	16	10	M-5	12	0.009	20	1,5	2,5	1
	120012	16	15	M-5	12	0.011	20	3	2,5	2
	120013	16	20	M-5	12	0.012	15	3,5	2,5	2,5
	120014	16	25	M-5	12	0.013	15	4	2	3
	120021	20	8,5	M-6	16,5	0.014	40	1,5	5	1
	120022	20	15	M-6	16,5	0.018	35	4	5	3
	120023	20	20	M-6	16,5	0.019	30	4,5	5	3
	120024	20	25	M-6	16,5	0.021	30	5	4,5	3,5
	120025	20	30	M-6	16,5	0.023	25	5,5	4,5	4
	120171	25,5	10	M-6	18	0.032	80	2	8	1,5
	120172	25,5	15	M-6	18	0.032	60	3,5	8	2,5
	120173	25,5	20	M-6	18	0.029	55	4,5	8	3
	120174	25,5	25	M-6	18	0.032	50	6	8	4
	120175	25,5	30	M-6	18	0.043	50	8	8	5,5
	120026	25,5	10	M-8	20	0.037	80	2	8	1,5
	120031	25,5	15	M-8	20	0.04	60	3,5	8	2,5
	120032	25,5	19	M-8	20	0.09	55	4	8	3
	120033	25,5	22	M-8	20	0.044	50	5	8	3,5
	120034	25,5	25	M-8	20	0.045	50	6	8	4
	120035	25,5	30	M-8	20	0.047	50	8	8	5,5
	120036	25,5	40	M-8	20	0.053	50	10	10	7

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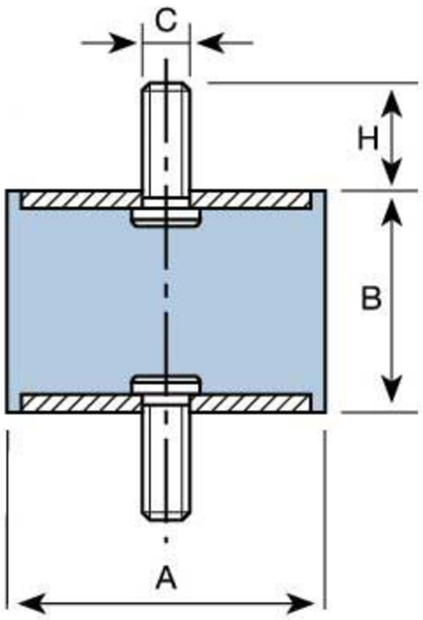
BOBBINS TYPE A 30-50



Type	Code	A(mm)	B(mm)	C(mm)	H(mm)	Weight(kg)	COMPRESSIONMax. Load (daN)	COMPRESSION Deflection (mm)	SHEAR Max. Load (daN)	SHEAR Deflection (mm)
BOBBINS TYPE A 30-50	120041	30	15	M-8	20	0.049	90	3	11	2,5
	120042	30	22	M-8	20	0.055	80	5	11	4
	120186	30	25	M-8	20	0.058	75	6,5	11	5
	120043	30	30	M-8	20	0.062	70	7	11	5,5
	120044	30	40	M-8	20	0.069	60	8	11	6,5
	120193	40	20	M-8	20	0.084	160	4	20	3
	120194	40	25	M-8	20	0.09	150	5	20	4
	120195	40	28	M-8	20	0.096	150	6	20	5
	120196	40	30	M-8	20	0.099	150	6	30	5
	120197	40	35	M-8	20	0.109	120	8	20	6,5
	120198	40	40	M-8	20	0.116	120	9	20	7
	120199	40	45	M-8	20	0.122	120	10	20	8
	120051	40	20	M-10	25	0.098	160	4	20	3
	120191	40	25	M-10	25	0.104	150	5	20	4
	120052	40	28	M-10	25	0.11	150	6	20	5
	120192	40	30	M-10	25	0.111	150	6	30	5
	120053	40	35	M-10	25	0.119	120	8	20	6,5
	120054	40	40	M-10	25	0.124	120	9	20	7
	120055	40	45	M-10	25	0.134	120	10	20	8
	120201	50	20	M-10	25	0.134	300	3,5	25	3
	120061	50	25	M-10	25	0.148	300	6	25	5
	120202	50	30	M-10	25	0.157	275	7	25	5,5
	120062	50	35	M-10	25	0.17	250	8	25	6,5
	120203	50	40	M-10	25	0.18	210	9	25	7
	120063	50	45	M-10	25	0.194	190	9,5	25	7,5
	120204	50	50	M-10	25	0.202	170	10	25	8
	120064	50	60	M-10	25	0.23	150	11	25	9

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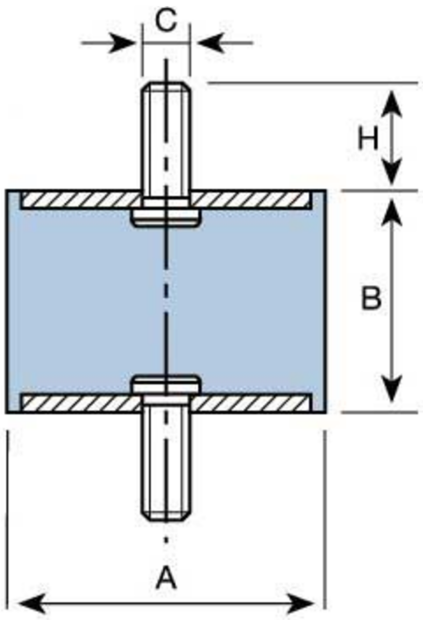
BOBBINS TYPE A 60-95



Type	Code	A(mm)	B(mm)	C(mm)	H(mm)	Weight(kg)	COMPRESSIONMax. Load (daN)	COMPRESSION Deflection (mm)	SHEAR Max. Load (daN)	SHEAR Deflection (mm)
BOBBINS TYPE A 60-95	120071	60	25	M-10	25	0.214	400	4	30	3,5
	120072	60	36	M-10	25	0.248	300	6	30	5,5
	120073	60	45	M-10	25	0.28	250	7,5	30	7
	120074	60	60	M-10	25	0.325	200	8	30	7
	120081	70	35	M-10	25	0.321	450	6	35	5,5
	120082	70	50	M-10	25	0.385	350	8	35	7
	120083	70	60	M-10	25	0.43	300	9	35	8
	120084	70	70	M-10	25	0.49	300	11	35	10
	120091	75	25	M-12	30	0.32	650	4	37	3,5
	120092	75	40	M-12	30	0.399	500	8	37	7
	120093	75	45	M-12	30	0.42	500	9	37	8
	120094	75	55	M-12	30	0.475	450	11	37	10
	120101	80	30	M-14	35	0.499	950	6	40	5,5
	120102	80	40	M-14	35	0.561	600	7	40	6,5
	120103	80	50	M-14	35	0.596	550	9	40	8
	120104	80	55	M-14	35	0.635	550	10	40	9
	120105	80	70	M-14	35	0.71	500	13	40	11,5
	120106	80	75	M-14	35	0.757	450	14	40	12,5
	120111	95	40	M-16	45	0.8	1200	9	60	8
	120112	95	55	M-16	45	0.932	1000	11	60	10
	120113	95	60	M-16	45	0.968	800	12	60	11
	120114	95	75	M-16	45	1.12	700	13	60	11,5

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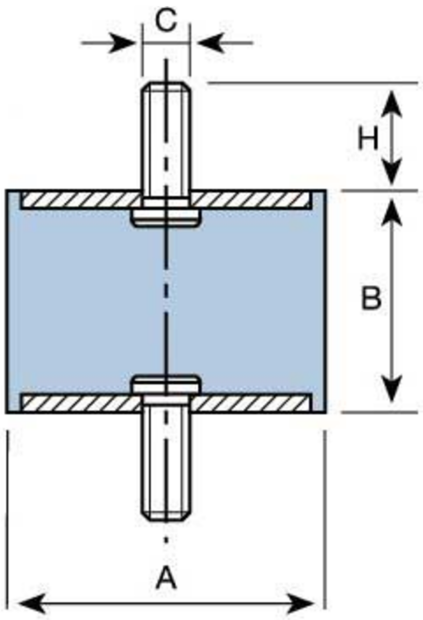
BOBBINS TYPE A 105-150



Type	Code	A(mm)	B(mm)	C(mm)	H(mm)	Weight(kg)	COMPRESSIONMax. Load (daN)	COMPRESSION Deflection (mm)	SHEAR Max. Load (daN)	SHEAR Deflection (mm)
BOBBINS TYPE A 105-150	120121	105	50	M-16	45	0.98	1200	7	80	7
	120122	105	75	M-16	45	1.249	1000	9,5	80	9,5
	120123	105	100	M-16	45	1.47	800	11	80	11
	120131	120	50	M-16	45	1.14	1500	6	100	6
	120132	120	75	M-16	45	1.481	1200	10	100	10
	120133	120	100	M-16	45	1.83	1000	11	100	11
	120142	130	50	M-16	45	1.65	1600	9	120	9
	120143	130	75	M-16	45	2.05	1450	13	120	13
	120144	130	100	M-16	45	2.44	1200	16	120	16
	120151	150	50	M-20	50	2.268	1800	9	140	9
	120152	150	75	M-20	50	2.808	1650	13	140	13
	120153	150	100	M-20	50	3.5	1400	16	140	16

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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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