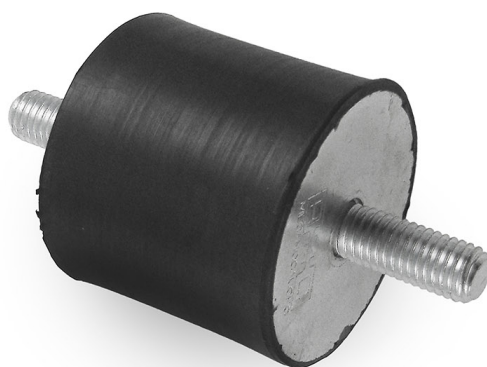


Type A Bobbins

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.

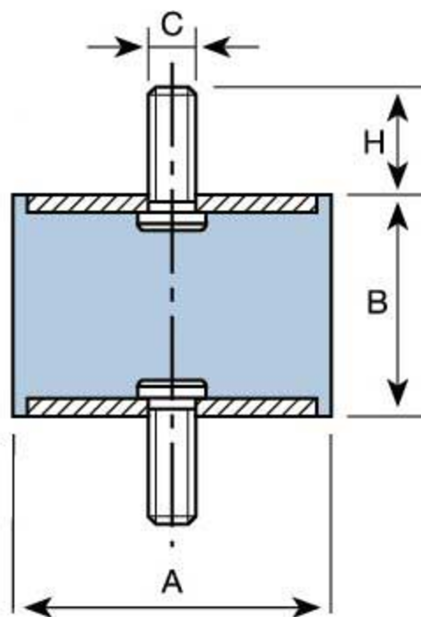
They consist of a **cylindrical elastomer body vulcanised between two parallel metal parts**, each fitted with a threaded stud for simple and quick installation.

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**.

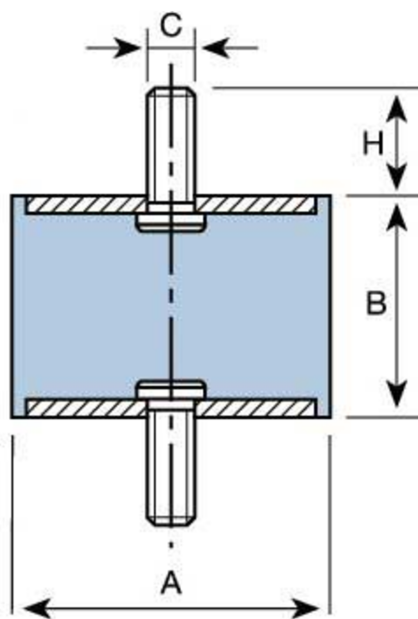
Drawings

BOBBINS TYPE A 12-25



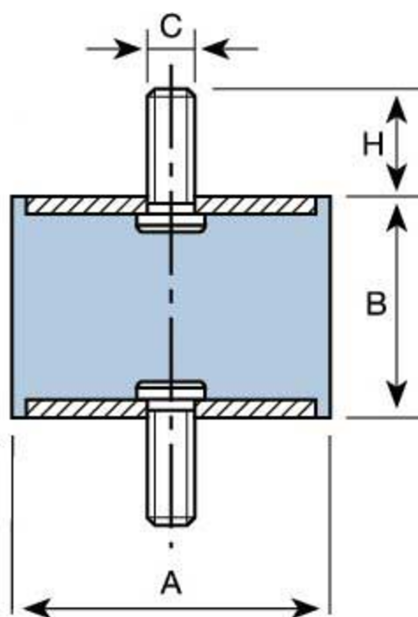
Type	Code	A(mm)	B(mm)	C(mm)	H(mm)	Weight(kg)	COMPRESSIONMax. Load (daN)	COMPRESSION Deflection (mm)	SHEAR Max. Load (daN)	SHEAR Deflection (mm)
BOBBINS TYPE A 12- 25	120001	12,5	10	M-5	10	0.006	12	2	1,5	1,5
	120002	12,5	15	M-5	10	0.007	10	2,5	1,5	2
	120003	12,5	20	M-5	10	0.008	8	3	1,5	2
	120011	16	10	M-5	12	0.009	20	1,5	2,5	1
	120012	16	15	M-5	12	0.024	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	0.065	55	4,5	8	3
	120174	25,5	25	M-6	18	0.033	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	0.033	80	2	8	1,5
	120031	25,5	15	M-8	20	0.036	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	0.039	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	0.044	50	8	8	5,5
	120036	25,5	40	M-8	20	0.053	50	10	10	7

BOBBINS TYPE A 30-50



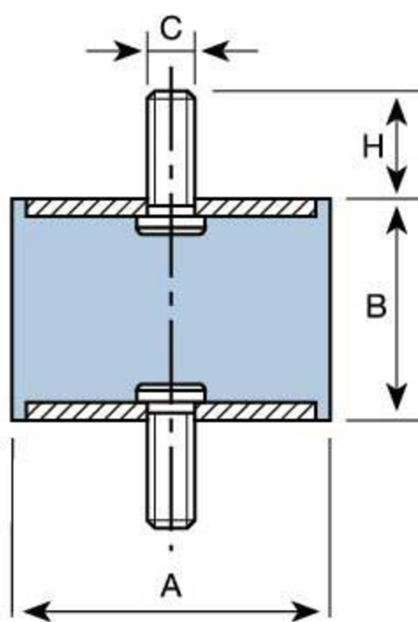
Type	Code	A(mm)	B(mm)	C(mm)	H(mm)	Weight(kg)	COMPRESSIONMax. Load (daN)	COMPRESSION Deflection (mm)	SHEAR Max. Load (daN)	SHEAR Deflection (mm)
BOBBINS TYPE A 30- 50	120041	30	15	M-8	20	0.05	90	3	11	2,5
	120042	30	22	M-8	20	0.055	80	5	11	4
	120186	30	25	M-8	20	0.056	75	6,5	11	5
	120043	30	30	M-8	20	0.062	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	0.114	120	9	20	7
	120199	40	45	M-8	20	0.122	120	10	20	8
	120051	40	20	M-10	25	0.218	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	0.24	150	6	30	5
	120053	40	35	M-10	25	0.119	120	8	20	6,5
	120054	40	40	M-10	25	0.12	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	0.168	250	8	25	6,5
	120203	50	40	M-10	25	0.18	210	9	25	7
	120063	50	45	M-10	25	0.195	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

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	0.215	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	0.327	200	8	30	7
	120081	70	35	M-10	25	0.327	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	0.606	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

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

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.