

Type B Bobbins

Cylindrical anti-vibration bobbins with male and female fixings, offering a compact and versatile solution for vibration isolation of machinery and equipment.



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

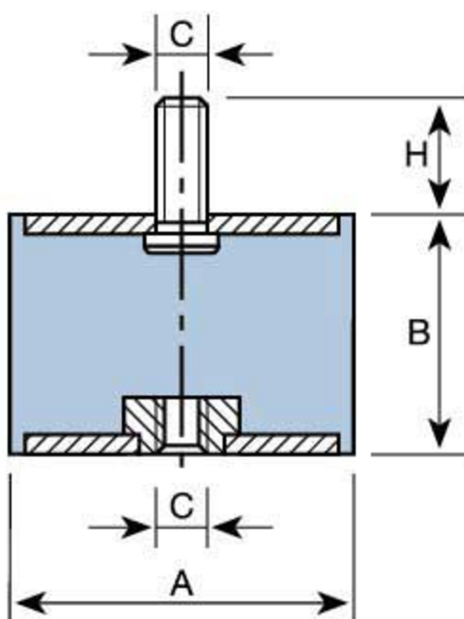
They consist of a **cylindrical elastomer body vulcanised between two parallel metal parts**, with a **threaded stud on one side and a female thread on the other**. This configuration makes them particularly easy to integrate into assemblies requiring different fixing arrangements on each side.

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 B Bobbins are particularly suitable for **engines, pumps, fans, compressors, electrical and electronic equipment and light industrial machinery**.

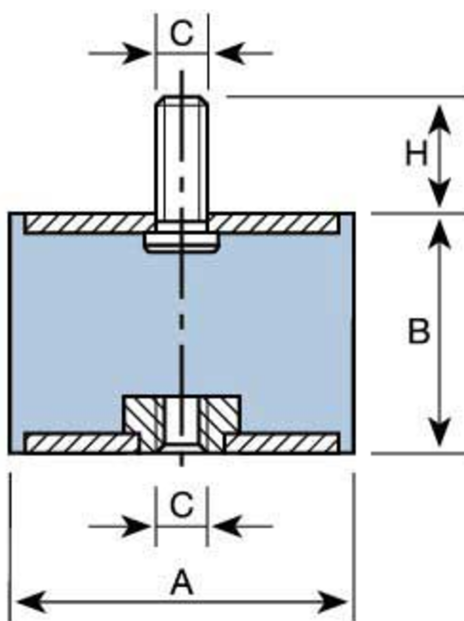
Drawings

BOBBINS TYPE B 12-25



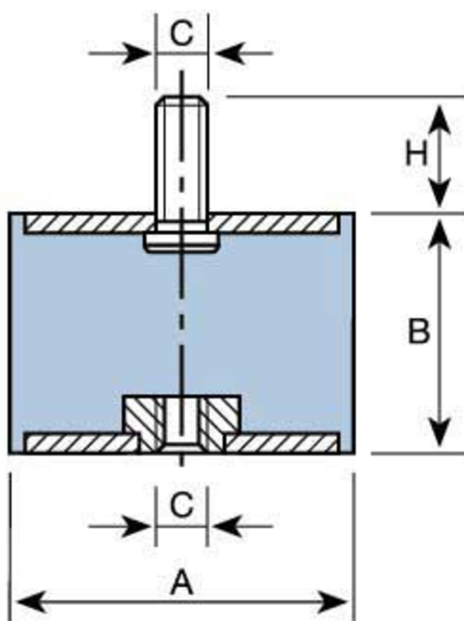
Type	Code	A(mm)	B(mm)	C(mm)	H(mm)	Weight(kg)	COMPRESSIONMax. Load (daN)	COMPRESSION Deflection (mm)	SHEAR Max. Load (daN)	SHEAR Deflection (mm)
BOBBINS TYPE B 12- 25	121001	12,5	10	M-5	10	0.005	12	0,5	1,5	0,5
	121002	12,5	15	M-5	10	0.006	10	0,5	1,5	0,5
	121003	12,5	20	M-5	10	0.007	8	1	1,5	0,5
	121011	16	10	M-5	12	0.008	20	0,5	2,5	0,5
	121012	16	15	M-5	12	0.01	20	2	2,5	1,5
	121013	16	20	M-5	12	0.011	15	2,5	2,5	2
	121014	16	25	M-5	12	0.012	15	3	2	2
	121022	20	15	M-6	16,5	0.017	35	2	5	1,5
	121023	20	20	M-6	16,5	0.018	30	3,5	5	2,5
	121024	20	25	M-6	16,5	0.02	30	5,5	4,5	4
	121025	20	30	M-6	16,5	0.022	25	6	4,5	4
	121172	25,5	15	M-6	18	0.055	60	2,5	8	2
	121173	25,5	20	M-6	18	0.027	55	3,5	8	2,5
	121174	25,5	25	M-6	18	0.031	50	5	8	3,5
	121175	25,5	30	M-6	18	0.038	50	6	8	4
	121031	25,5	15	M-8	20	0.036	60	2,5	8	2
	121032	25,5	19	M-8	20	0.04	55	3,5	8	2,5
	121033	25,5	22	M-8	20	0.04	50	4	8	3
	121034	25,5	25	M-8	20	0.042	50	5	8	3,5
	121035	25,5	30	M-8	20	0.045	50	6	8	4
	121036	25,5	40	M-8	20	0.053	50	7	10	5

BOBBINS TYPE B 30-40



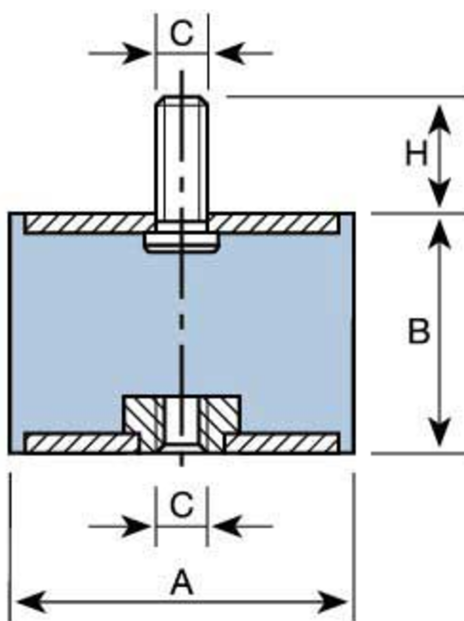
Type	Code	A(mm)	B(mm)	C(mm)	H(mm)	Weight(kg)	COMPRESSIONMax. Load (daN)	COMPRESSION Deflection (mm)	SHEAR Max. Load (daN)	SHEAR Deflection (mm)
BOBBINS TYPE B 30-40	121041	30	15	M-8	20	0.051	90	1	11	1
	121042	30	22	M-8	20	0.057	80	3	11	2,5
	121186	30	25	M-8	20	0.053	75	4,5	11	3,5
	121043	30	30	M-8	20	0.065	70	5,5	11	4,5
	121044	30	40	M-8	20	0.072	60	7,5	11	6
	121193	40	20	M-8	20	0.082	160	2	20	1,5
	121194	40	25	M-8	20	0.087	150	4	20	3
	121195	40	28	M-8	20	0.094	150	5	20	4
	121196	40	30	M-8	20	0.094	150	6	30	5
	121197	40	35	M-8	20	0.102	120	7	20	5,5
	121198	40	40	M-8	20	0.111	120	8,5	20	7
	121199	40	45	M-8	20	0.12	120	9	20	7
	121051	40	20	M-10	25	0.203	160	2	20	1,5
	121191	40	25	M-10	25	0.098	150	4	20	3
	121052	40	28	M-10	25	0.106	150	5	20	4
	121192	40	30	M-10	25	0.232	150	6	30	5
	121053	40	35	M-10	25	0.118	120	7	20	5,5
	121054	40	40	M-10	25	0.124	120	8,5	20	7
	121055	40	45	M-10	25	0.129	120	9	20	7

BOBBINS TYPE B 50-75



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 B 50- 75	121201	50	20	M-10	25	0.134	300	3	25	2,5
	121061	50	25	M-10	25	0.146	300	3,5	25	3
	121202	50	30	M-10	25	0.155	275	5	25	4,5
	121062	50	35	M-10	25	0.37	250	7	25	6,5
	121203	50	40	M-10	25	0.176	210	8,5	25	7,5
	121063	50	45	M-10	25	0.192	190	9	25	8
	121204	50	50	M-10	25	0.192	170	9,5	25	8,5
	121064	50	60	M-10	25	0.222	150	10	25	9
	121071	60	25	M-10	25	0.21	400	3	30	2,5
	121072	60	36	M-10	25	0.247	300	6	30	5,5
	121073	60	45	M-10	25	0.278	250	8	30	7
	121074	60	60	M-10	25	0.311	200	9	30	8
	121081	70	35	M-10	25	0.316	450	6	35	5,5
	121082	70	50	M-10	25	0.38	350	7,5	35	7
	121083	70	60	M-10	25	0.42	300	8	35	7
	121084	70	70	M-10	25	0.483	300	9,5	35	8,5
	121091	75	25	M-12	30	0.306	650	3,5	37	3
	121092	75	40	M-12	30	0.384	500	7,5	37	7
	121093	75	45	M-12	30	0.41	500	9	37	8
	121094	75	55	M-12	30	0.46	450	10	37	9

BOBBINS TYPE B 80-150



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 B 80-150	121101	80	30	M-14	35	0.45	950	4	40	4
	121102	80	40	M-14	35	0.505	600	7	40	7
	121103	80	50	M-14	35	0.547	550	8	40	8
	121104	80	55	M-14	35	0.58	550	8,5	40	8,5
	121105	80	70	M-14	35	0.66	500	12	40	12
	121106	80	75	M-14	35	0.71	450	12,5	40	12,5
	121111	95	40	M-16	45	0.76	1200	7	60	7
	121112	95	55	M-16	45	0.88	1000	9	60	9
	121113	95	60	M-16	45	0.925	800	11	60	11
	121114	95	75	M-16	45	1.05	700	13	60	13
	121121	105	50	M-16	45	0.92	1200	6	80	6
	121122	105	75	M-16	45	1.2	1000	8	80	8
	121123	105	100	M-16	45	1.444	800	11	80	11
	121131	120	50	M-16	45	1.09	1500	6,5	100	6,5
	121132	120	75	M-16	45	1.43	1200	10	100	10
	121133	120	100	M-16	45	1.77	1000	12	100	12
	121142	130	50	M-16	45	1.591	1600	9	120	9
	121143	130	75	M-16	45	1.96	1450	13	120	13
	121144	130	100	M-16	45	2.426	1200	16	120	16
	121151	150	50	M-20	50	3.301	1800	9	140	9
	121152	150	75	M-20	50	4.001	1650	13	140	13
	121153	150	100	M-20	50	3.7	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 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.

