

Type C Bobbins

Cylindrical anti-vibration bobbins with female threads on both sides, offering a compact and versatile solution for vibration isolation of machinery and equipment.



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

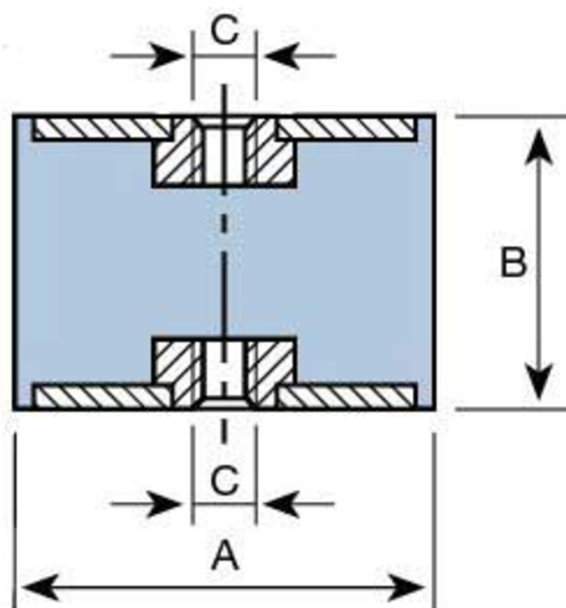
They consist of a **cylindrical elastomer body vulcanised between two parallel metal parts**, each incorporating a **female thread**. This configuration allows bolted fixing from both sides and facilitates installation where external threaded studs are not required.

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

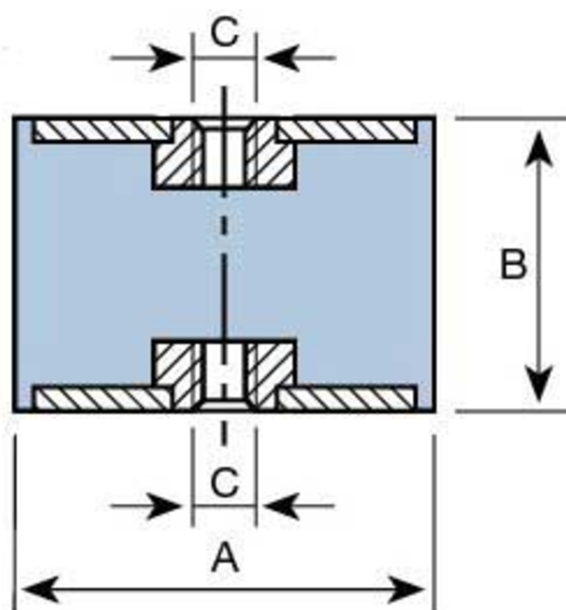
Drawings

BOBBINS TYPE C 12-30



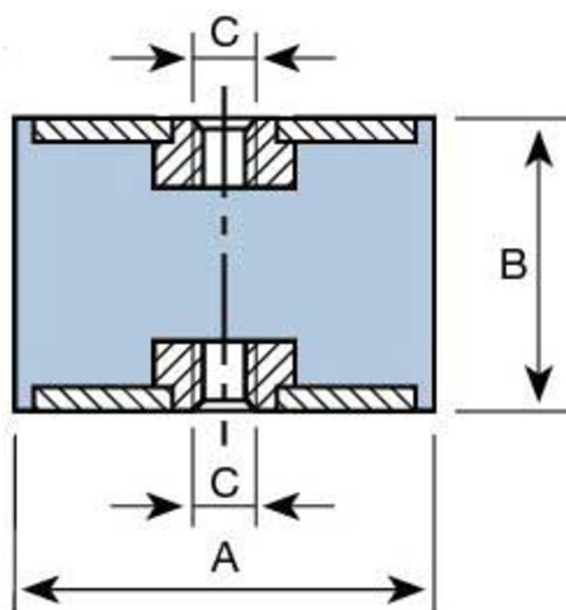
Type	Code	A(mm)	B(mm)	C(mm)	Weight(kg)	COMPRESSIONMax. Load (daN)	COMPRESSION Deflection (mm)	SHEAR Max. Load (daN)	SHEAR Deflection (mm)
BOBBINS TYPE C 12-30	122003	12,5	20	M-5	0.007	8	1	1,5	0,5
	122013	16	20	M-5	0.01	15	1	2,5	0,5
	122014	16	25	M-5	0.024	15	2,5	2	2
	122023	20	20	M-6	0.017	30	2	5	1,5
	122024	20	25	M-6	0.019	30	4	4,5	3
	122025	20	30	M-6	0.022	25	4,5	4,5	3
	122173	25,5	20	M-6	0.026	55	2,5	8	2
	122174	25,5	25	M-6	0.029	50	4	8	3
	122175	25,5	30	M-6	0.071	50	6	8	4
	122032	25,5	19	M-8	0.037	55	1	8	0,5
	122033	25,5	22	M-8	0.038	50	1,5	8	1
	122034	25,5	25	M-8	0.042	50	2	8	1,5
	122035	25,5	30	M-8	0.046	50	3,5	8	2,5
	122036	25,5	40	M-8	0.051	50	5	10	3,5
	122042	30	22	M-8	0.059	80	1	11	0,5
	122186	30	25	M-8	0.061	75	2	11	1,5
	122043	30	30	M-8	0.067	70	4	11	3
	122044	30	40	M-8	0.165	60	6	11	4

BOBBINS TYPE C 40-60



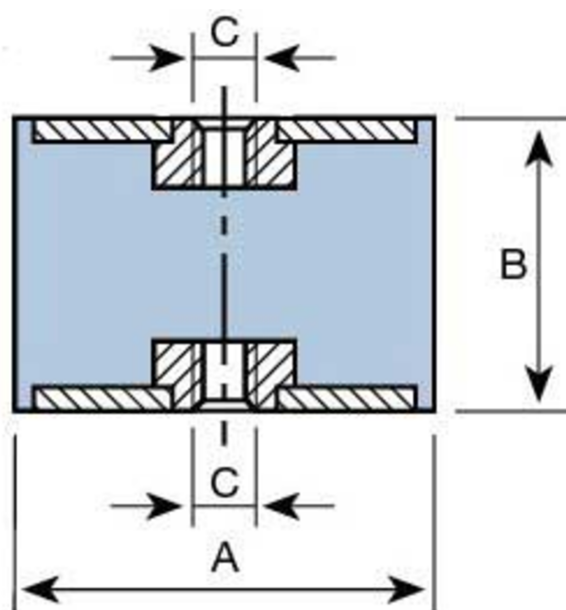
Type	Code	A(mm)	B(mm)	C(mm)	Weight(kg)	COMPRESSIONMax. Load (daN)	COMPRESSION Deflection (mm)	SHEAR Max. Load (daN)	SHEAR Deflection (mm)
BOBBINS TYPE C 40-60	122194	40	25	M-8	0.073	150	2	20	1,5
	122195	40	28	M-8	0.086	150	2	20	1,5
	122196	40	30	M-8	0.092	150	3	30	2,5
	122197	40	35	M-8	0.102	120	5	20	4
	122198	40	40	M-8	0.109	120	7	20	5,5
	122199	40	45	M-8	0.115	120	9	20	7
	122052	40	28	M-10	0.22	150	2	20	1,5
	122192	40	30	M-10	0.1	150	2,5	30	2
	122053	40	35	M-10	0.11	120	4,5	20	3,5
	122054	40	40	M-10	0.116	120	6	20	5
	122055	40	45	M-10	0.125	120	8	20	6,5
	122061	50	25	M-10	0.12	300	3,5	25	3
	122202	50	30	M-10	0.338	275	3	25	2,5
	122062	50	35	M-10	0.146	250	5	25	4
	122203	50	40	M-10	0.175	210	6,5	25	5
	122063	50	45	M-10	0.19	190	7	25	5,5
	122204	50	50	M-10	0.2	170	8	25	6,5
	122064	50	60	M-10	0.225	150	9	25	7
	122071	60	25	M-10	0.194	400	1,5	30	1
	122072	60	36	M-10	0.246	300	4	30	3
	122073	60	45	M-10	0.277	250	7	30	5,5
	122074	60	60	M-10	0.32	200	8,5	30	7

BOBBINS TYPE C 70-95



Type	Code	A(mm)	B(mm)	C(mm)	Weight(kg)	COMPRESSIONMax. Load (daN)	COMPRESSION Deflection (mm)	SHEAR Max. Load (daN)	SHEAR Deflection (mm)
BOBBINS TYPE C 70-95	122081	70	35	M-10	0.306	450	5	35	4,5
	122082	70	50	M-10	0.369	350	7	35	6,5
	122083	70	60	M-10	0.41	300	8	35	7
	122084	70	70	M-10	0.47	300	11	35	10
	122092	75	40	M-12	0.825	500	6,5	37	6
	122093	75	45	M-12	0.411	500	7,5	37	7
	122094	75	55	M-12	0.445	450	11,5	37	10,5
	122101	80	30	M-14	0.391	950	2	40	2
	122102	80	40	M-14	0.46	600	6	40	5,5
	122103	80	50	M-14	0.492	550	8	40	7
	122104	80	55	M-14	0.521	550	10	40	9
	122105	80	70	M-14	0.61	500	13	40	11,5
	122106	80	75	M-14	0.64	450	14	40	12,5
	122111	95	40	M-16	0.684	1.200	7	60	6,5
	122112	95	55	M-16	0.81	1.000	10	60	9
	122113	95	60	M-16	0.87	800	11	60	10
	122114	95	75	M-16	1.026	700	12	60	11

BOBBINS TYPE C 105-150



Type	Code	A(mm)	B(mm)	C(mm)	Weight(kg)	COMPRESSIONMax. Load (daN)	COMPRESSION Deflection (mm)	SHEAR Max. Load (daN)	SHEAR Deflection (mm)
BOBBINS TYPE C 105- 150	122122	105	50	M-16	0.857	1.200	7,5	80	7,5
	122123	105	75	M-16	1.12	1.000	10	80	10
	122124	105	100	M-16	1.387	800	12,5	80	12,5
	122131	120	50	M-16	1.108	1.500	8	100	8
	122132	120	75	M-16	1.366	1.200	8,5	100	8,5
	122133	120	100	M-16	1.65	1.000	11,5	100	11,5
	122142	130	50	M-16	1.505	1.600	4,5	120	4,5
	122143	130	75	M-16	1.9	1.450	9	120	9
	122144	130	100	M-16	2.25	1.200	11,5	120	11,5
	122151	150	50	M-20	3.162	1.800	2,5	140	2,5
	122152	150	75	M-20	3.718	1.650	6	140	6
	122153	150	100	M-20	4.27	1.400	8	140	8

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.