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.

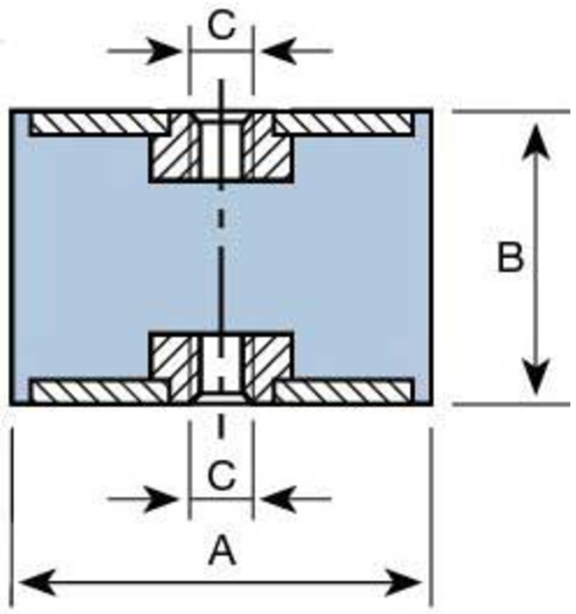
Available in a wide range of **dimensions, rubber hardnesses and stiffnesses**, Type C Bobbins are particularly suitable for **engines, pumps, fans, compressors, electrical and electronic equipment and light industrial machinery**.

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Drawings

BOBBINS TYPE C 12-30

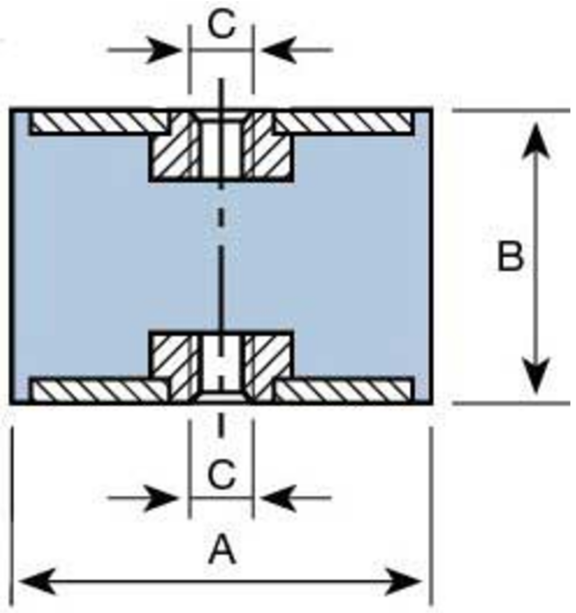


Type	Code	A(mm)	B(mm)	C(mm)	Weight(kg)	COMPRESSIONMax. Load (daN)	COMPRESSION Deflection (mm)	SHEAR Max. Load (daN)	SHEAR Deflection (mm)
BOBBINS TYPE C 12-30	122003	12,5	20	M-5	0.006	8	1	1,5	0,5
	122013	16	20	M-5	0.01	15	1	2,5	0,5
	122014	16	25	M-5	0.011	15	2,5	2	2
	122023	20	20	M-6	0.017	30	2	5	1,5
	122024	20	25	M-6	0.019	30	4	4,5	3
	122025	20	30	M-6	0.021	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	0.032	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	0.062	75	2	11	1,5
	122043	30	30	M-8	0.066	70	4	11	3
	122044	30	40	M-8	0.075	60	6	11	4

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BOBBINS TYPE C 40-60

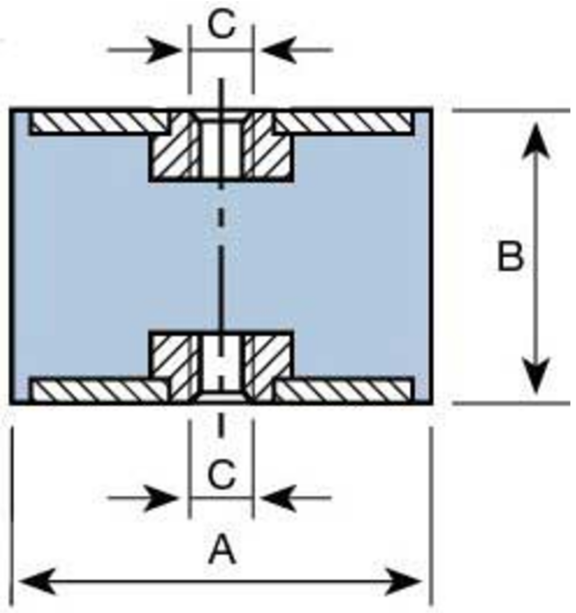


Type	Code	A(mm)	B(mm)	C(mm)	Weight(kg)	COMPRESSIONMax. Load (daN)	COMPRESSION Deflection (mm)	SHEAR Max. Load (daN)	SHEAR Deflection (mm)
BOBBINS TYPE C 40-60	122194	40	25	M-8	0.073	150	2	20	1,5
	122195	40	28	M-8	0.086	150	2	20	1,5
	122196	40	30	M-8	0.092	150	3	30	2,5
	122197	40	35	M-8	0.102	120	5	20	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	0.1	150	2	20	1,5
	122192	40	30	M-10	0.1	150	2,5	30	2
	122053	40	35	M-10	0.109	120	4,5	20	3,5
	122054	40	40	M-10	0.114	120	6	20	5
	122055	40	45	M-10	0.124	120	8	20	6,5
	122061	50	25	M-10	0.12	300	3,5	25	3
	122202	50	30	M-10	0.153	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	0.226	150	9	25	7
	122071	60	25	M-10	0.195	400	1,5	30	1
	122072	60	36	M-10	0.246	300	4	30	3
	122073	60	45	M-10	0.28	250	7	30	5,5
	122074	60	60	M-10	0.32	200	8,5	30	7

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BOBBINS TYPE C 70-95

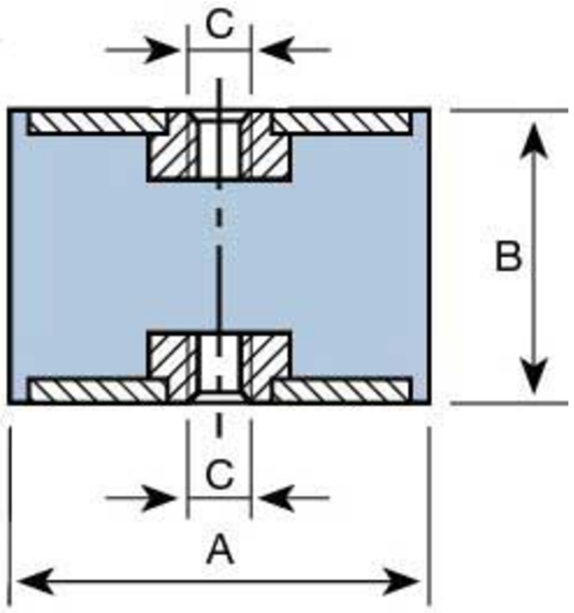


Type	Code	A(mm)	B(mm)	C(mm)	Weight(kg)	COMPRESSIONMax. Load (daN)	COMPRESSION Deflection (mm)	SHEAR Max. Load (daN)	SHEAR Deflection (mm)
BOBBINS TYPE C 70-95	122081	70	35	M-10	0.306	450	5	35	4,5
	122082	70	50	M-10	0.372	350	7	35	6,5
	122083	70	60	M-10	0.41	300	8	35	7
	122084	70	70	M-10	0.47	300	11	35	10
	122092	75	40	M-12	0.377	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	0.452	600	6	40	5,5
	122103	80	50	M-14	0.492	550	8	40	7
	122104	80	55	M-14	0.52	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

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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

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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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