Concentric Bushes

Compact and robust elastomeric bushes designed to withstand high loads while allowing small angular movements without lubrication.



AMC-MECANOCAUCHO® Concentric Bushes are elastomeric components designed to provide **flexible mechanical joints** while isolating vibrations and shocks.

Their design consists of a **concentric inner element and outer sleeve**, bonded together by an elastomer that works primarily in torsion during angular movement. This configuration provides a **metal-to-metal contact-free joint**, reducing wear and eliminating the need for lubrication.

Thanks to their compact and robust design, these bushes can **withstand high loads** while allowing small angular movements and reducing the transmission of vibrations to the structure.

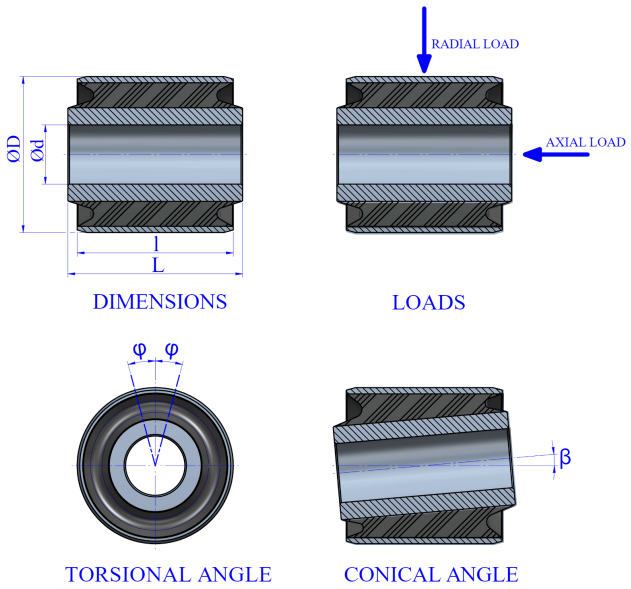
Concentric Bushes are particularly suitable for **vehicle cabs, engines, mobile machinery, industrial equipment and mechanical linkages** requiring flexibility, durability and long service life.

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Drawings

BUSHINGS



Type	Code	d(mm)	D(mm)	l(mm)	L(mm)	Weight(kg)	Torsion Mt Max. (Nm)	Angle Torsion Max.φ (°)	Conical Angle Max.β (°)	Max. Axial Load (kg)	Max. Axial Deflection(mm)	Max. Radial Load (kg)	Max. Radial Deflection(mm)
BUSHINGS	154005	10	22	25	30	0.034	7	10	3	50	1	190	0,4
	154006	10	22	30	32	0.038	9	10	2	60	0,8	230	0,45
	154168	10	25	20	25	0.031	8	10	3	25	1	200	0,8
	154103	12	30	28	34	0.064	10	15	2	60	1,9	180	0,8
	154077	12	32	55	59	0.131	19	16	2	120	2,9	700	1,8
	154104	12,2	40	40,2	60	0.198	16	20	3	45	0,95	120	0.4
	154086	12.20	46.4	52	60	0.264	33	25	3	110	1,4	300	1
	154107	14	27	40	45	0.08	20	10	2	60	2,1	450	0,6
	154080	16	32	22	30	0.073	14	10	3	75	1,1	180	0,35
	154021	18	36	48,5	58,5	0.161	35	10	2	145	2,4	740	1
	154133	20	45	35	40	0.152	45	15	2	120	3	590	2,2
	154073	20	45	64	70	0.285	55	15	2	220	2,6	1000	1,5
	154196	20	45.1	69	75	0.31	30	7,2	2	220	2,7	1750	2,4
	154082	24	45	44	55	0.265	55	11	3	190	1,3	880	0,8
	154040	25	50	50	56	0.261	34	6,6	2	280	3	1000	0,95
	154044	25	50	80	85	0.408	49	14	2	300	2,3	1800	1,6
	154054	30,2	60	90	100	0.662	68	6,4	2	350	4	2400	1,5
	154079	32	66	47	55	0.517	77	15	3	250	1,4	850	1
	154043	40	70	55	65	0.616	138	12	3	340	2,5	2100	1,3
	154075	45	75	90	100	0.956	320	10	2	640	3,6	3500	1,7
	154091	45	80	45	45	0.517	80	11	4	155	2,1	790	2,1
	154061	50	80	100	110	1.4	450	9	1	800	3,7	5600	1,8

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Advantages

Mount offering high stability

Suspensions built with this mount barely move, thanks to a geometry designed to control the movement of the suspended element.

Excellent value for money

This mount delivers very high performance for its cost compared with other possible solutions.

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