Eccentric Bushes

Compact and robust elastomeric bushes providing high vertical flexibility and effective vibration isolation, particularly suitable for cab suspension systems.



AMC-MECANOCAUCHO® Eccentric Bushes are elastomeric components specifically designed for applications requiring **high flexibility in the vertical direction**, combined with effective control of movement in the other directions.

Their design is based on an **offset between the axis of the inner sleeve and that of the outer sleeve**. This geometry provides **different stiffness characteristics in each axis**, improving vibration isolation in the primary direction while maintaining the stability of the assembly.

By combining **flexibility, controlled movement and resistance to dynamic loads**, these bushes are particularly suitable for the **elastic suspension of vehicle cabs and mobile machinery**.

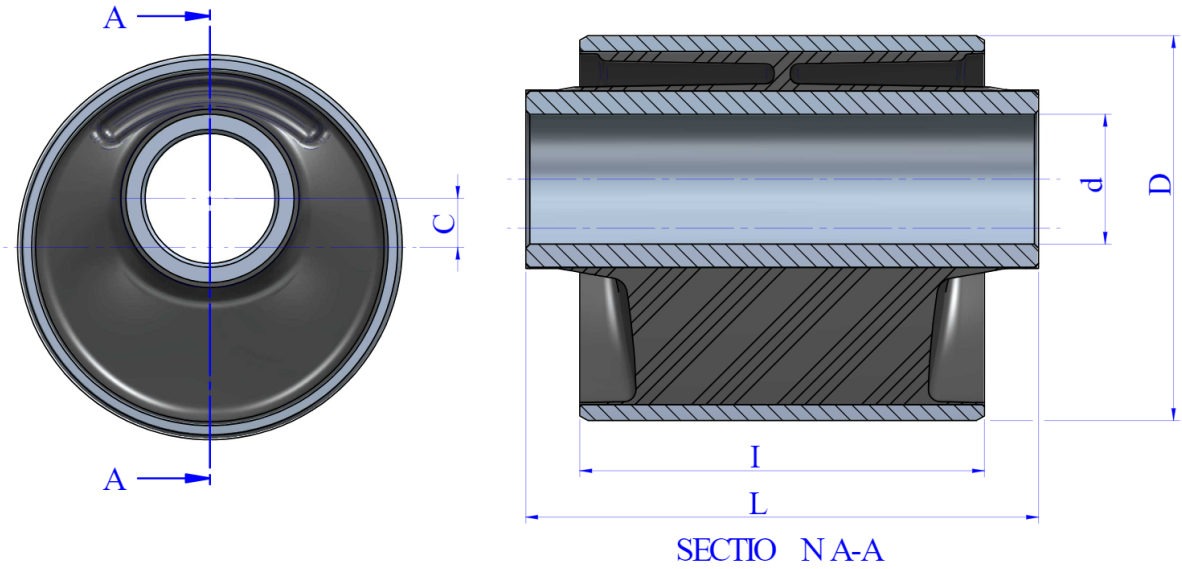
They can be used in cab suspension systems subjected to **high dynamic loads and FOPS/ROPS structural safety requirements**, where vibration isolation, movement capability and stability are required simultaneously.

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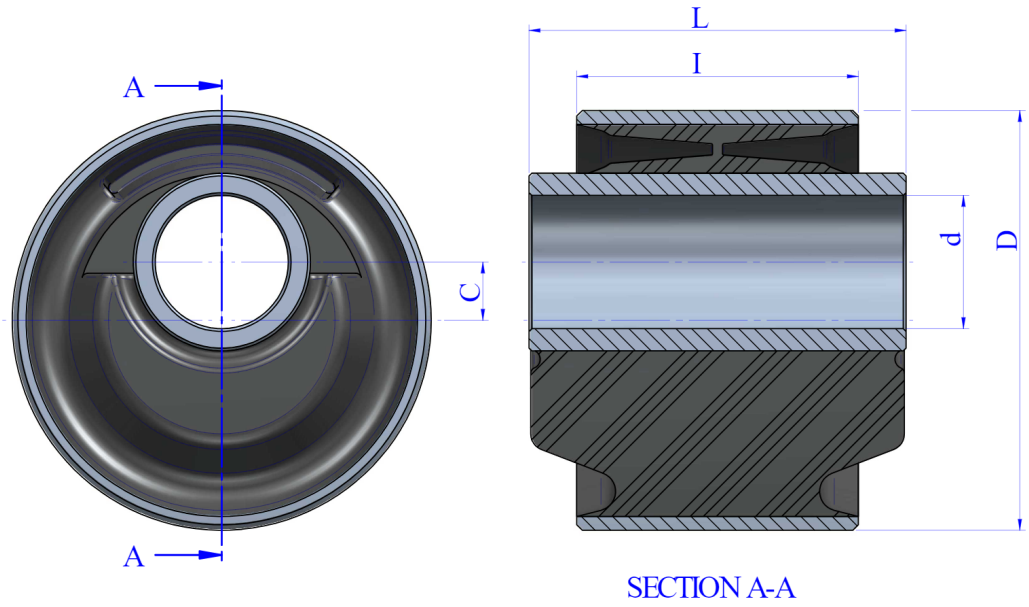
Drawings

MINI



Type	d(mm)	C(mm)	D(mm)	I(mm)	L(mm)	Weight(gr)	Code	Max. Load(kg)	Shore
MINI	16,2	6,1	48	50,5	64	311	154161	110	45 Sh
							154163	180	60 Sh

SMALL

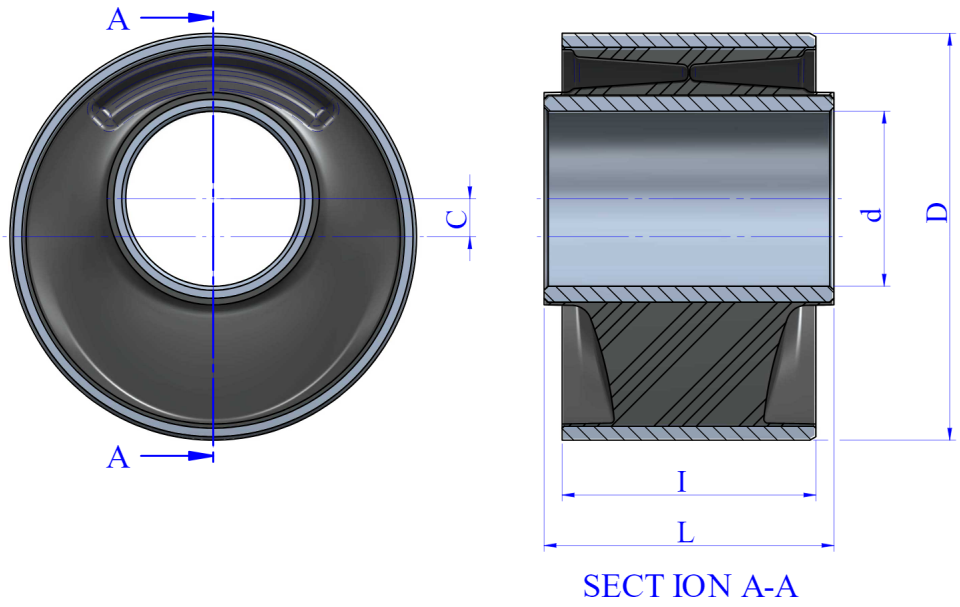


Type	d(mm)	C(mm)	D(mm)	I(mm)	L(mm)	Weight(gr)	Code	Max. Load(kg)	Shore
SMALL	24	10,5	75.6	50,8	68	554	154159	200	45 Sh
							154158	390	60 Sh

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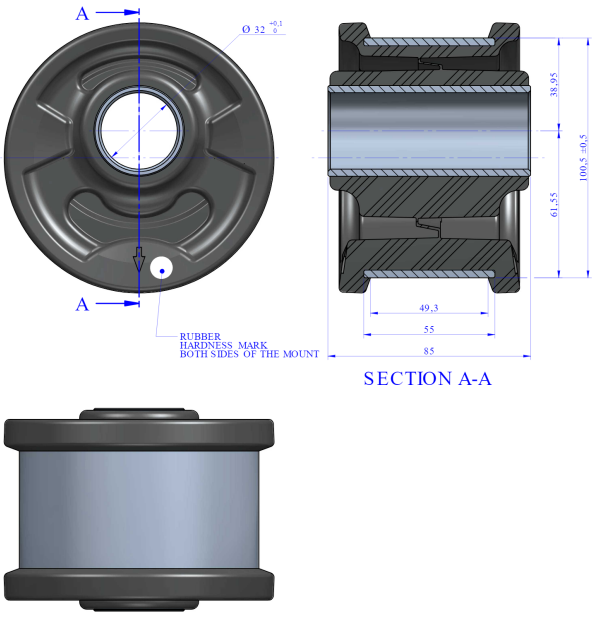
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LARGE



Type	d(mm)	C(mm)	D(mm)	I(mm)	L(mm)	Weight(gr)	Code	Max. Load(kg)	Shore
LARGE	43,7	9,5	101,6	63,4	72,4	1096	154154	290	45 Sh
							154155	510	60 Sh

100 HD

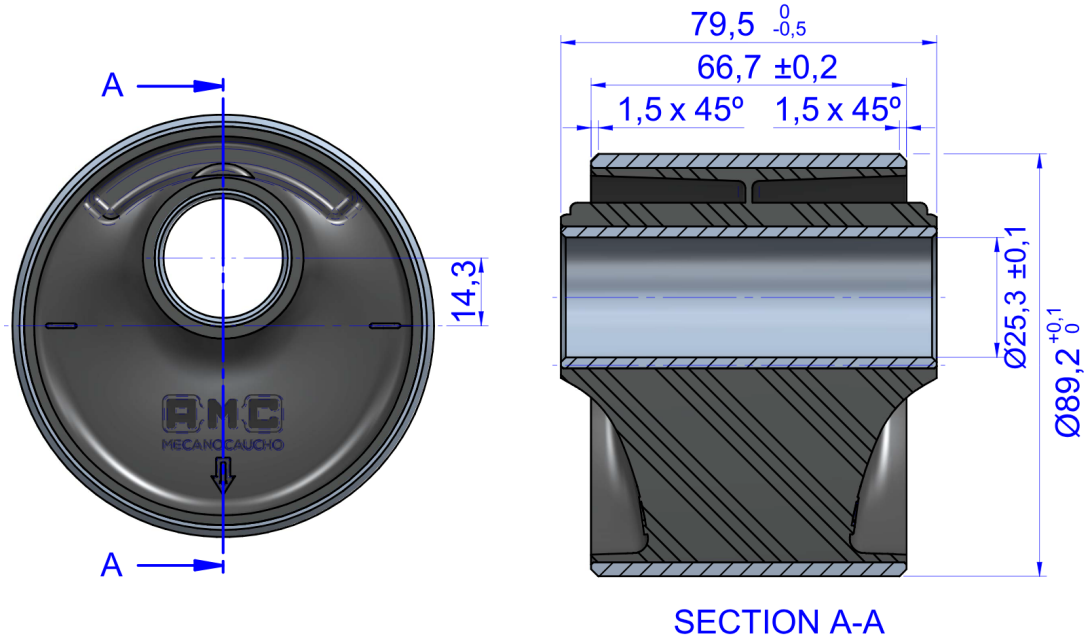


Type	d(mm)	C(mm)	D(mm)	I(mm)	L(mm)	Weight(gr)	Code	Max. Load(kg)	Shore
100 HD	-	-	-	-	-	1046	154181	290	50 Sh
							154182	350	55 Sh
							154183	430	60 Sh
							154184	565	70 Sh

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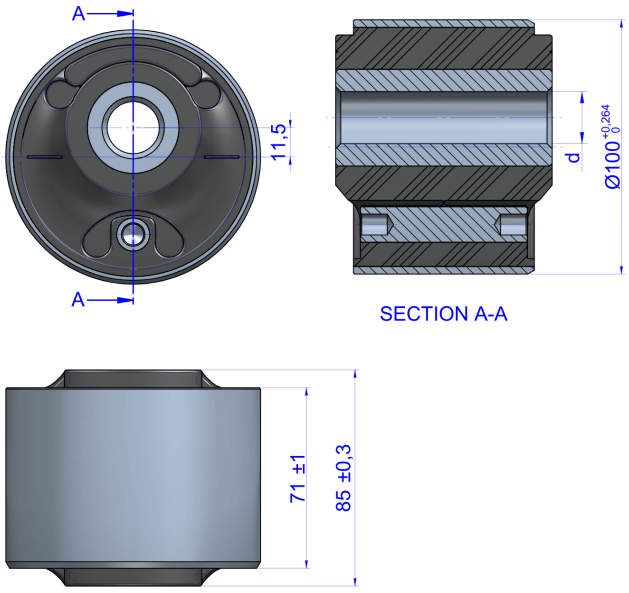
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Ø90



Type	d(mm)	C(mm)	D(mm)	l(mm)	L(mm)	Weight(gr)	Code	Max. Load(kg)	Shore
Ø90	-	-	-	-	-	805	154136	350	65 Sh

100 RD

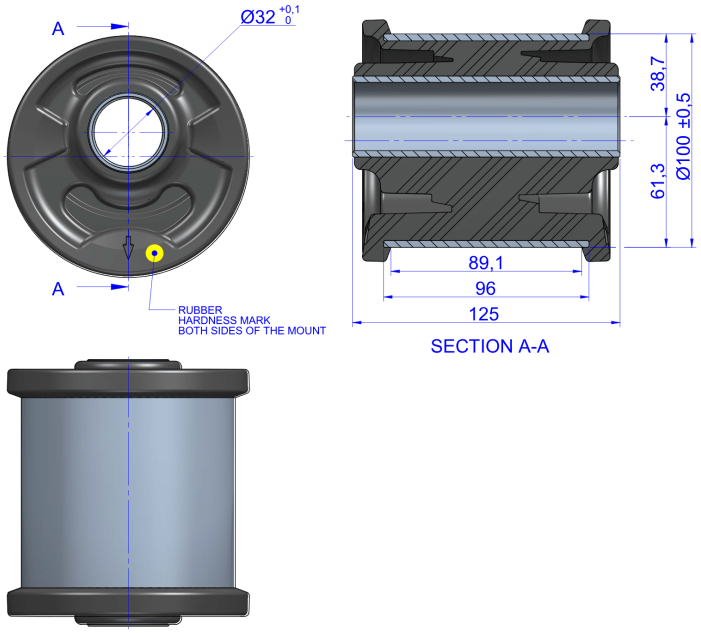


Type	C(mm)	D(mm)	l(mm)	L(mm)	Code	Max. Load(kg)	d(mm)	Shore	Weight(gr)
100 RD	-	-	-	-	154192	300	20,5±0,3	45 Sh	1558
					154175	450	20,5±0,3	50 Sh	1442
					154188	600	20,5±0,3	65 Sh	1558
					154195	450	25	50 Sh	1558
					154189	500	25	65 Sh	1470
					154202	450	32	50 Sh	1440

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110 HD

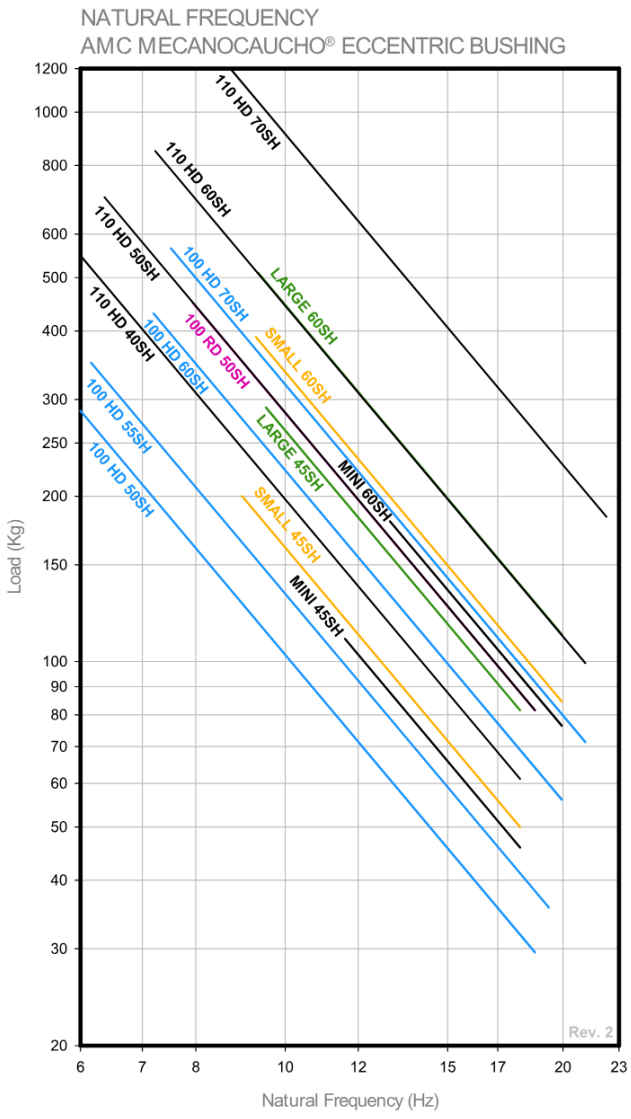


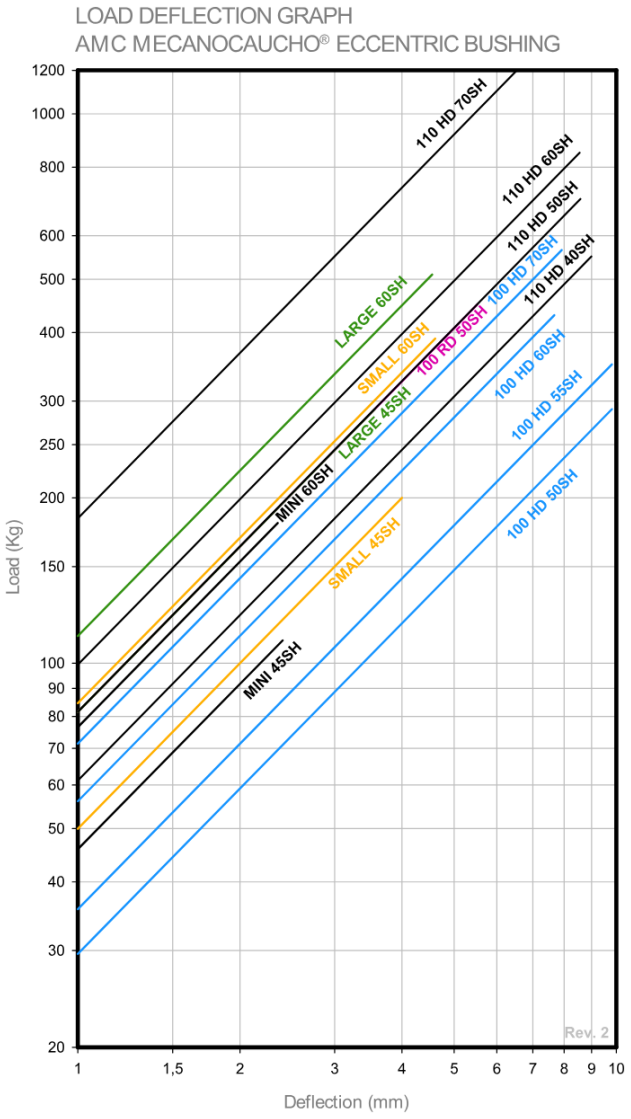
Type	d(mm)	C(mm)	D(mm)	l(mm)	L(mm)	Weight(gr)	Code	Max. Load(kg)	Shore
110 HD	-	-	-	-	-	1663	154067	550	40Sh
							154142	700	50Sh
							154143	850	60Sh
							154144	1200	70Sh

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Elastic properties





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Technical characteristics

• Optimal vibration damping and isolation.• Fit to use for robust and safe constructions.• Simple installation and application.

Advantages

High robustness in dynamic applications for improved durability

These mounts offer enhanced robustness and are designed to withstand extreme load peaks. They are especially recommended where good durability is required in demanding applications.

Improved isolation

It offers improved isolation compared with conventional anti-vibration mounts of similar geometry.

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