

Solid cone mounts

Conical rubber-metal mounts offering symmetrical radial stiffness through 360°, robust construction and effective vibration isolation.



The **AMC-MECANOCAUCHO® Solid Cone mounts** are rubber-metal vibration isolators consisting of two concentric metal parts bonded by an elastomeric element.

Thanks to their **solid and symmetrical conical geometry**, they provide **the same radial stiffness in all directions through 360°**. This characteristic ensures consistent behaviour regardless of the direction of radial forces and makes them particularly suitable for applications subjected to **multidirectional loads**.

The elastomer works in **compression and shear**, combining **vibration isolation, stability and motion control** under static and dynamic loads.

The mounts are equipped with **two metal washers**, one acting as a **fail-safe rebound stop** and the other providing **mount centring**, ensuring a robust and reliable installation.

Thanks to their compact and robust design, Solid Cones are particularly suitable for **engines, generator sets, auxiliary machinery, industrial vehicles and mobile machinery**.

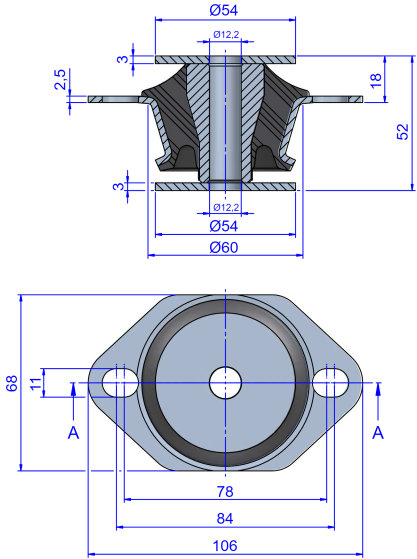
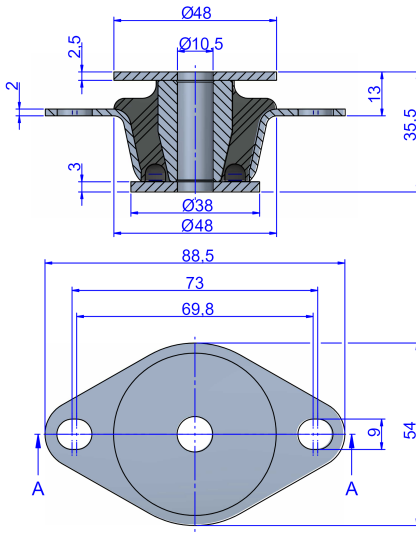
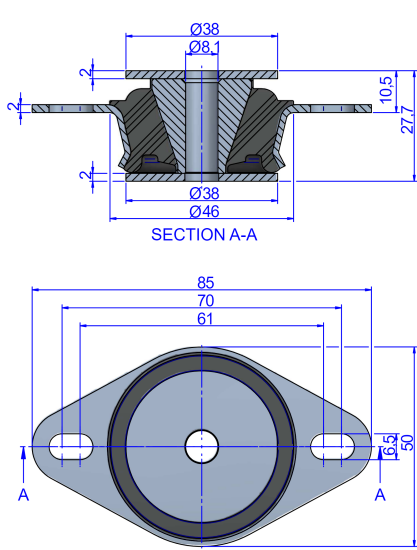
Drawings

01 / 02 / 11

01

02

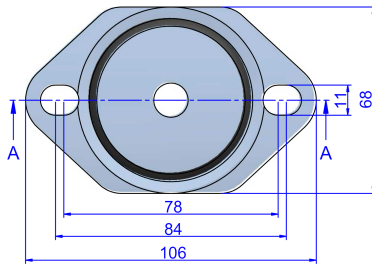
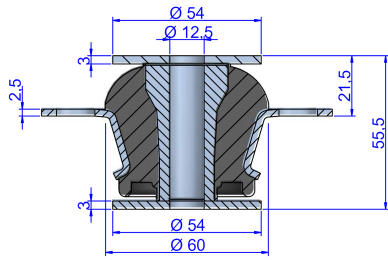
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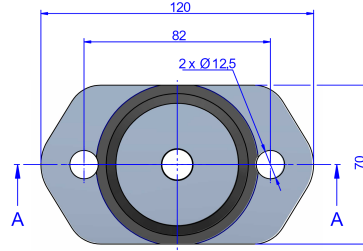
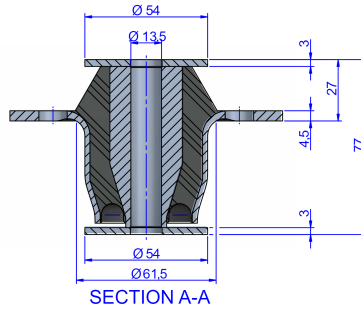
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01	20,5	128	137005	40	45 Sh
			137006	70	60 Sh
			137015	105	70 Sh
02	71	132	137010	50	45 Sh
			137011	90	60 Sh
11	71	409	137021	100	45 Sh
			137022	180	60 Sh
			137023	270	70 Sh

13 / 14 - 2 holes / 14 - 4 holes

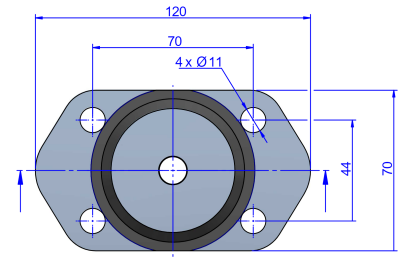
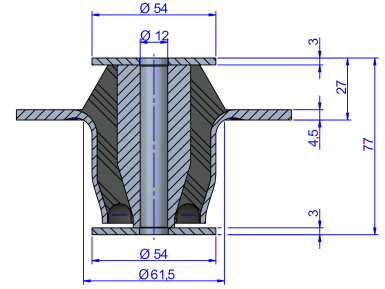
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14-2



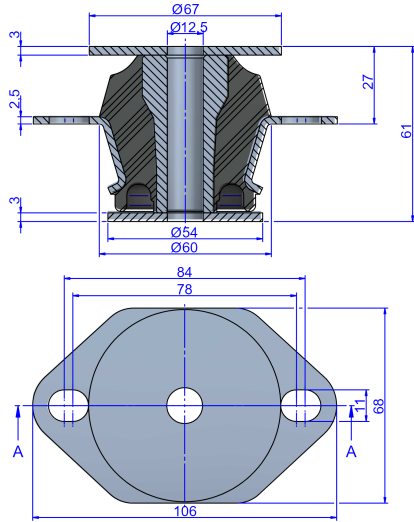
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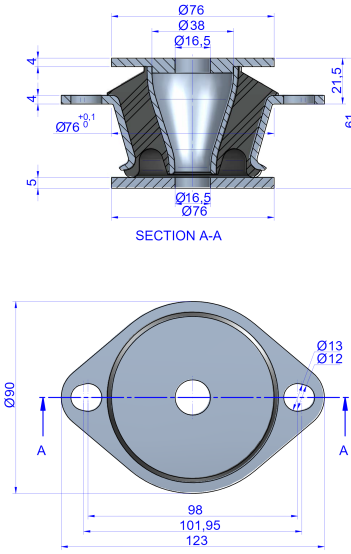
Type	Tightening torque Max. (Nm)	Weight(gr)	Code	Max. Load(kg)	Shore
13	71	450	137921	120	45 Sh
			137922	170	55 Sh
			137925	270	70 Sh
14 - 2 holes	71	643	137930	250	45 Sh
			137628	500	65 Sh
14 - 4 holes	71	662	137935	250	45 Sh
			137936	450	662
			137937	690	70 Sh

17 / 21 - 2 holes / 21 - 4 holes

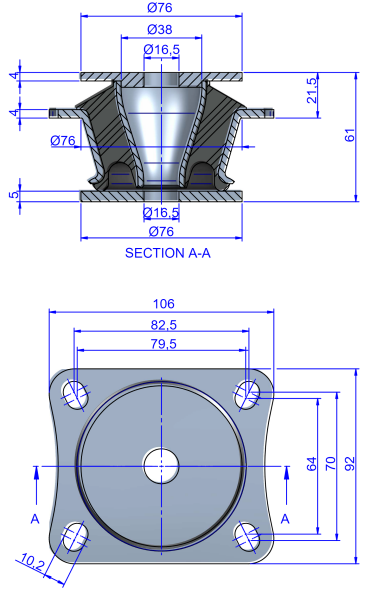
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21-2



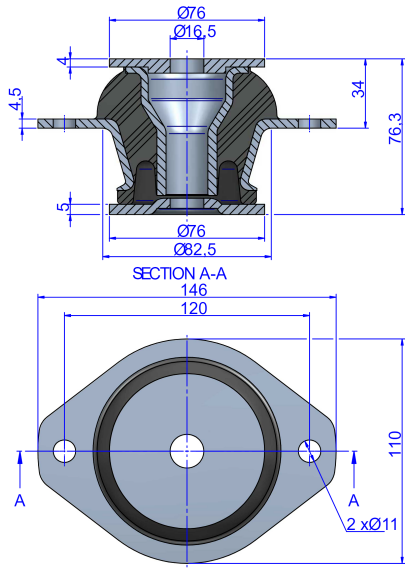
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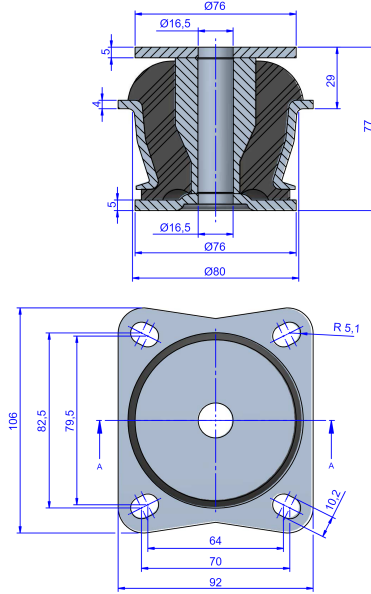
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17	71	410	137903	160	45 Sh
			137904	250	60 Sh
			137905	350	70 Sh
21 - 2 holes	113	787	137470	180	45 Sh
			137472	300	60 Sh
			137474	500	70 Sh
21 - 4 holes	113	560	137071	180	45 Sh
			137074	300	60 Sh
			137079	500	70 Sh

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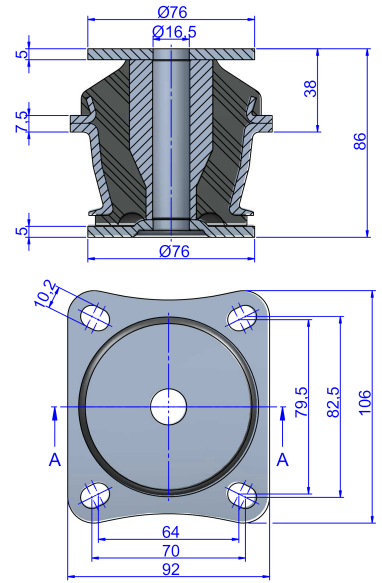
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31



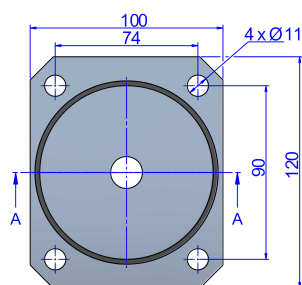
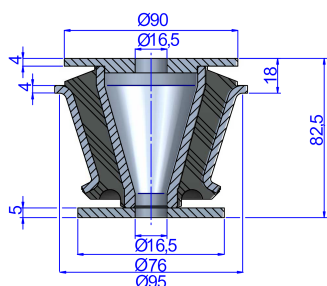
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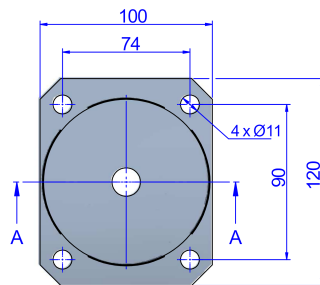
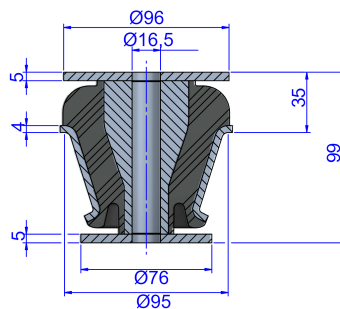
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27	170	1175	137142	245	40 Sh
			137143	350	50 Sh
			137144	500	60 Sh
31	170	1188	137063	310	50 Sh
			137061	500	60 Sh
			137062	750	70 Sh
33	170	1462	137075	300	45 Sh
			137077	600	60 Sh
			137078	900	70 Sh

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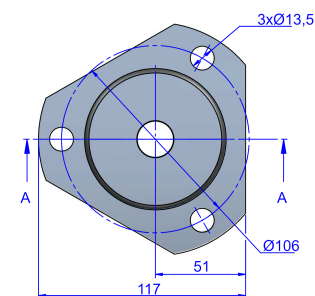
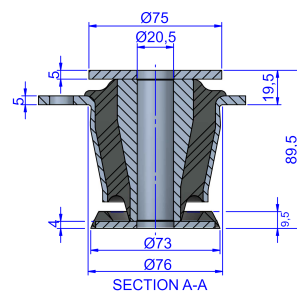
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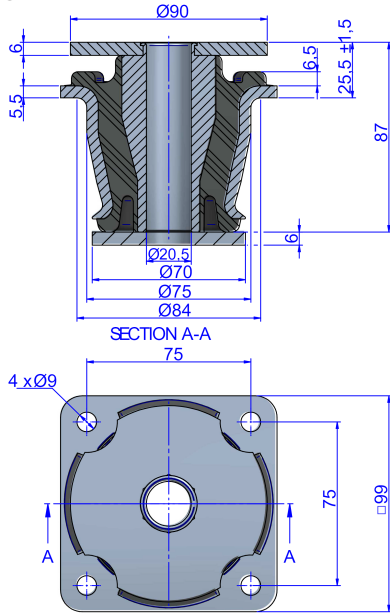
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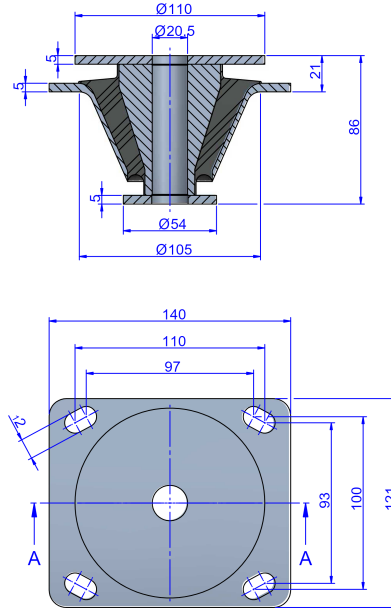
Type	Tightening torque Max. (Nm)	Weight(gr)	Code	Max. Load(kg)	Shore
36	170	1410	137171	400	45 Sh
			137172	700	60 Sh
			137173	1100	70 Sh
39	170	1438	137981	400	40 Sh
			137982	600	50 Sh
			137983	900	60 Sh
			137984	1100	70 Sh
40	245	1216	137081	420	45 Sh
			137082	690	60 Sh
			137083	1080	70 Sh

45 / 60 / 62

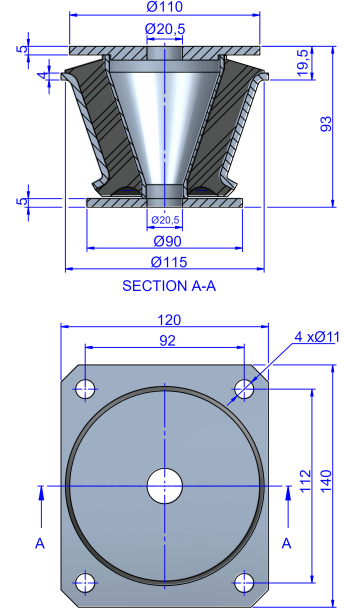
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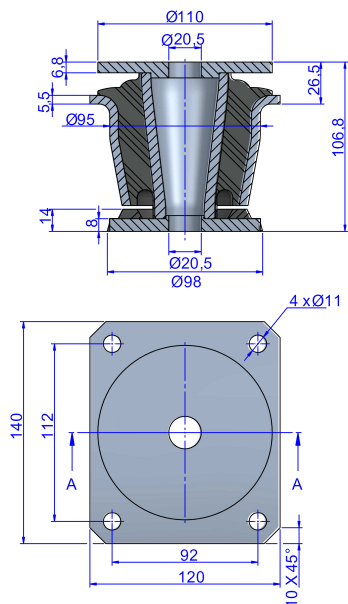
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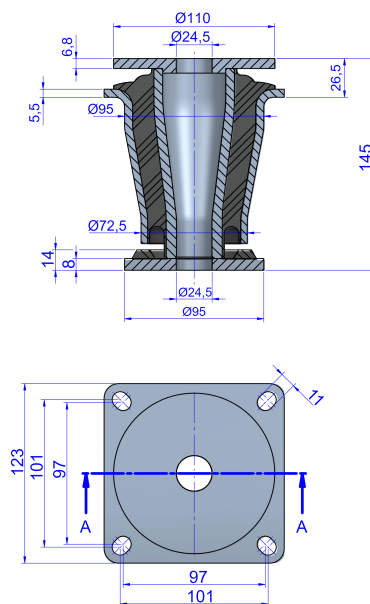
Type	Tightening torque Max. (Nm)	Weight(gr)	Code	Max. Load(kg)	Shore
45	245	1751	137595	420	45 Sh
			137596	700	60 Sh
			137597	1100	70 Sh
60	350	1821	137091	900	45 Sh
			137092	1250	60 Sh
			137093	1560	70 Sh
62	170	1946	137208	450	45 Sh
			137226	1000	60 Sh
			137232	1400	70 Sh

65 / 70 / 68

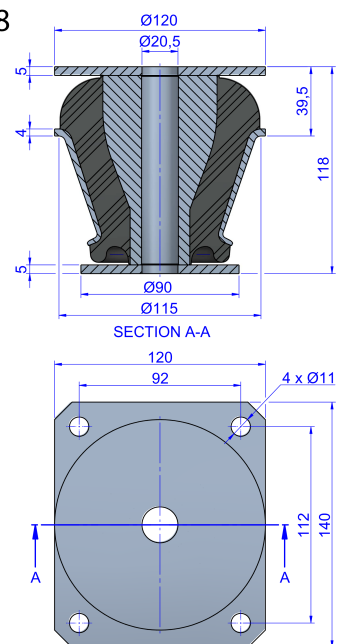
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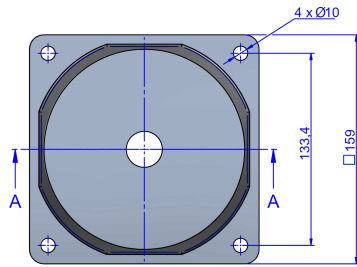
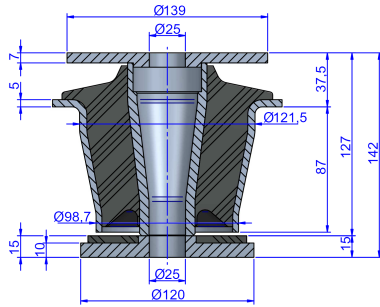
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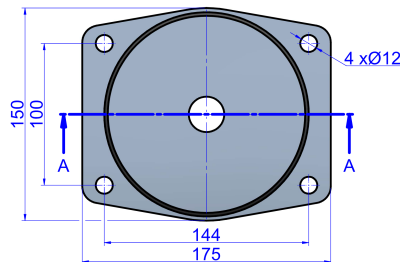
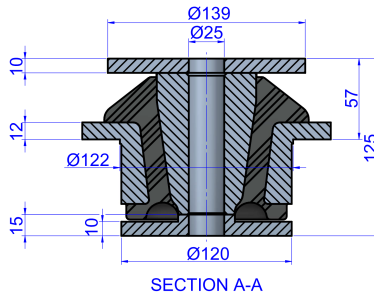
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			137177	1100	65 Sh
			137178	1560	75 Sh
70	600	3450	137101	1000	45 Sh
			137102	2100	60 Sh
			137103	2500	70 Sh
68	350	3267	137738	750	40 Sh
			137739	1300	50 Sh
			137740	1700	60 Sh
			137741	2200	70 Sh

75 / 121 NG / 121 NP

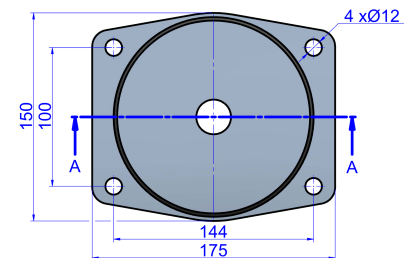
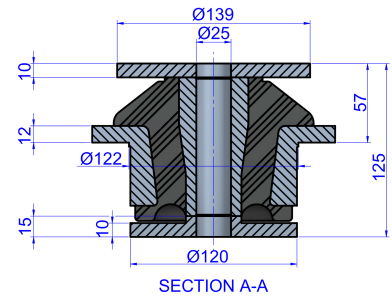
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121 NG



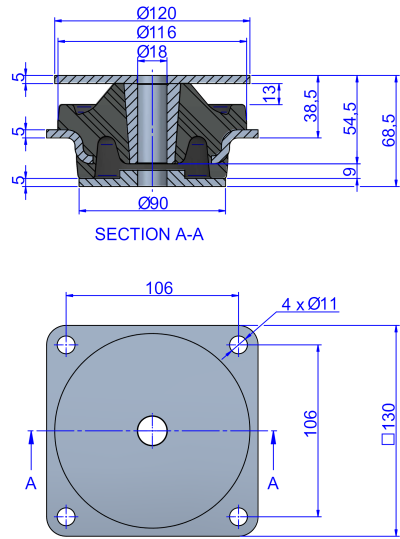
121 NP



Type	Tightening torque Max. (Nm)	Weight(gr)	Code	Max. Load(kg)	Shore
75	600	4230	137786	850	45 Sh
			137787	1600	60 Sh
121 NG	600	7840	137830	1750	55 Sh
			137833	2000	65 Sh
121 NP	600	6940	137841	730	45 Sh
			137829	1200	55 Sh

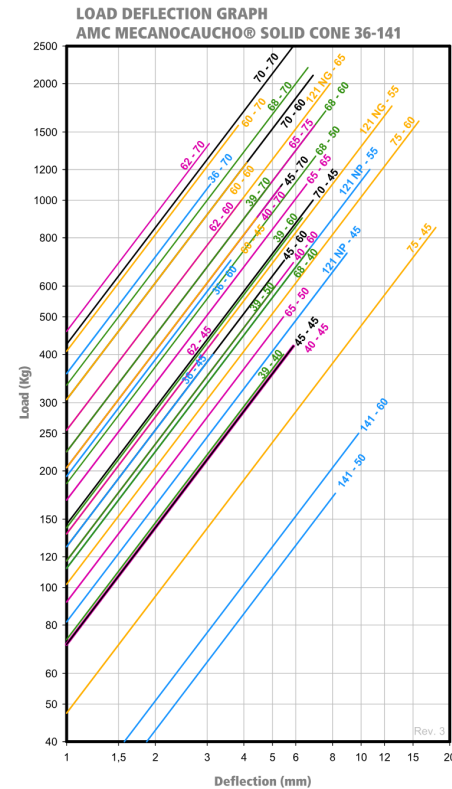
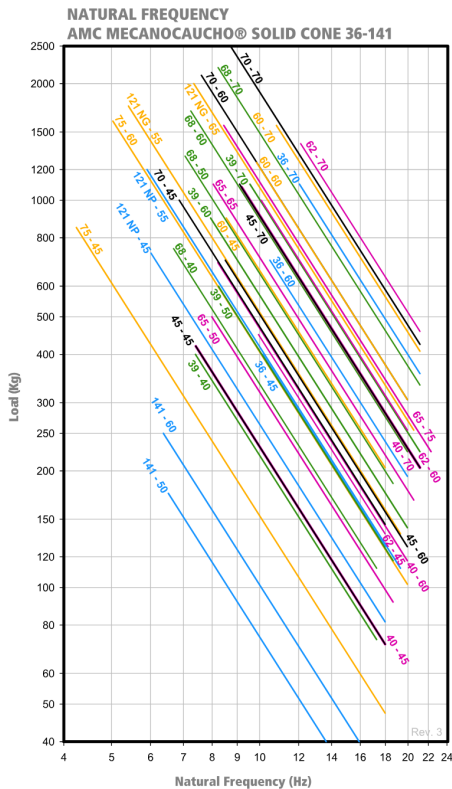
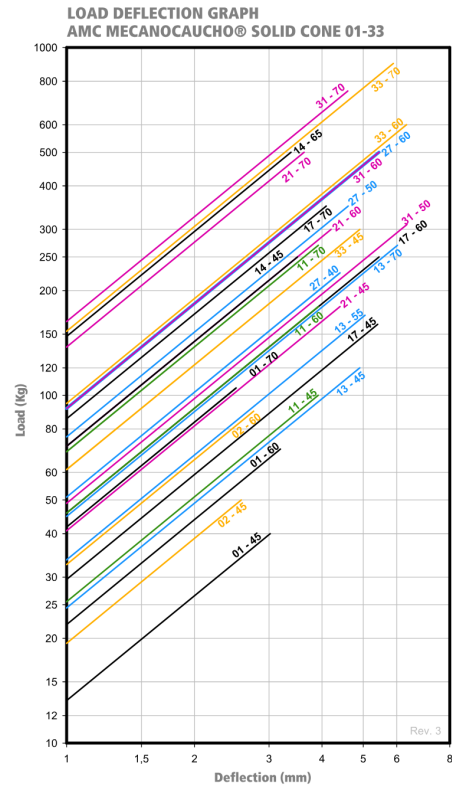
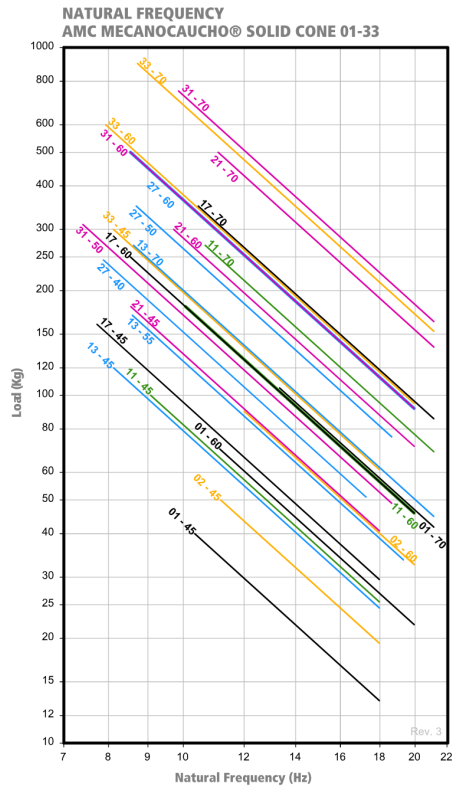
141

141



Type	Tightening torque Max. (Nm)	Weight(gr)	Code	Max. Load(kg)	Shore
141	245	1039	137891	175	50 Sh
			137893	250	60 Sh

Elastic properties



Technical characteristics

The AMC-Mecanocaucho® Cone mounts are safe and stable elements. They do not allow the suspended elements to tilt, while being flexible enough to avoid the transmission of noise and vibration through the structure.

They are supplied with stop and centering washers. This renders deflection above the limits of the Mecanocaucho® Cones impossible, even at extreme loads.

The washers protect the natural rubber (which is highly elastic and highly resistant) from ozone and aging, as well as from metal knocks and dripping oil. The characteristic deflection curves of the AMC-Mecanocaucho® Cone mounts with centering washer are quite linear, increasing progressively as the load increases. Thanks to this they can safely dampen overloads of up to three times the maximum admissible load.