BRB Vibration Isolators

High-deflection captive vibration isolators with integral fail-safe restraint for effective vibration isolation of machinery and mobile equipment.



The **AMC-MECANOCAUCHO® BRB vibration isolators** feature a **high-profile elastomer section** that allows the rubber to work in both **compression and shear**. This design provides **greater deflection and lower natural frequencies**, improving vibration isolation compared with stiffer captive isolators.

The captive design incorporates an **integral fail-safe restraint** that limits excessive movement and helps keep the equipment secured when subjected to **tensile forces, shock or high dynamic loads**.

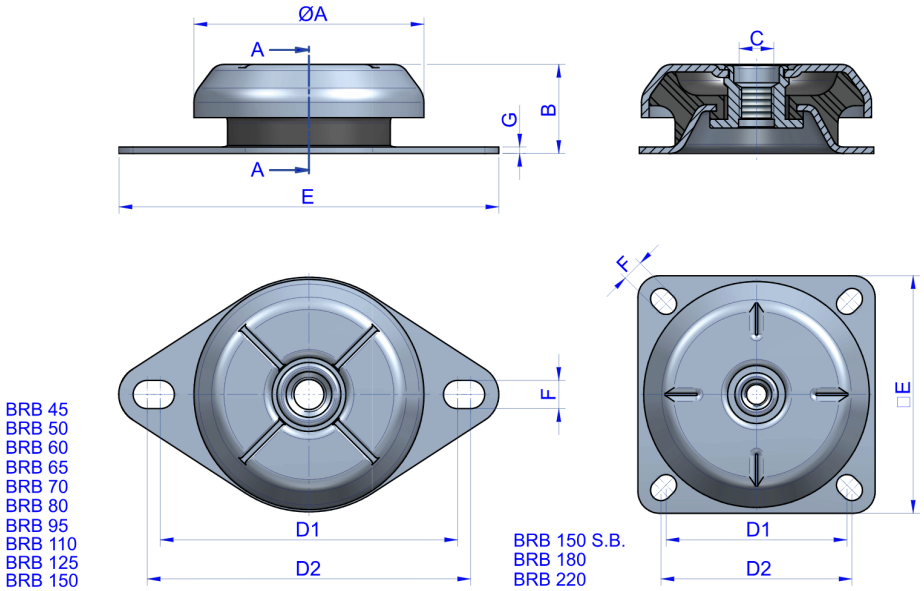
Available in a **wide range of sizes and rubber hardnesses**, BRB vibration isolators cover a broad range of loads and are particularly suitable for **rotating machinery, engines, generator sets and mobile equipment** exposed to vibration, shock, oil or fuel splash, and demanding environmental conditions.

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Drawings

BRB 45 / BRB 50 / BRB 60 / BRB 65 M10

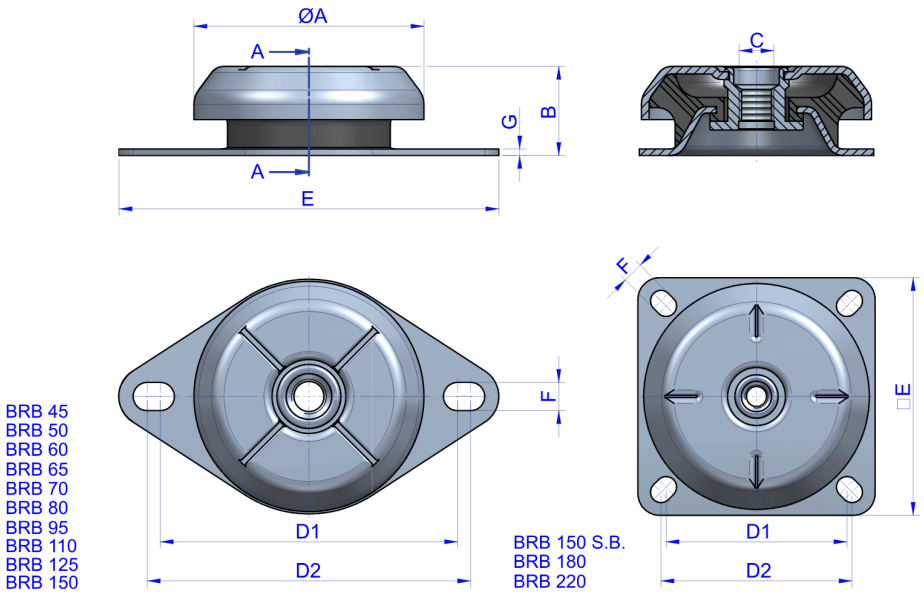


Type	Tightening torque Max. (Nm)	A(in)	B(in)	C(in)	E(in)	F(in)	G(in)	Weight(lbs)	D1 Min. (in)	D2 Max.(in)	Code	Max. Load (lbs)	Shore
BRB 45	0.63	1.97	1.26	M-8	3.35	0.26	0.08	0.29	2.4	2.76	135137	26	40 Sh
											135138	40	50 Sh
											135139	55	60 Sh
BRB 50	0.63	1.97	0.98	M-8	3.35	0.26	0.08	0.26	2.4	2.76	135451	44	40 Sh
											135453	88	50 Sh
											135455	132	60 Sh
											135457	176	70 Sh
BRB 60	1.26	2.52	1.38	M-10	4.33	0.35	0.1	0.5	3.01	3.56	135101	66	40 Sh
											135405	99	50 Sh
											135103	143	60 Sh
											135104	165	70 Sh
BRB 65 M10	1.26	2.52	1.38	M-10	4.33	0.35	0.1	1	3.01	3.56	135421	110	40 Sh
											135422	165	50 Sh
											135423	264	60 Sh
											135424	309	70 Sh

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BRB 65 M12 / BRB 70 / BRB 80 M10 / BRB 80 M12

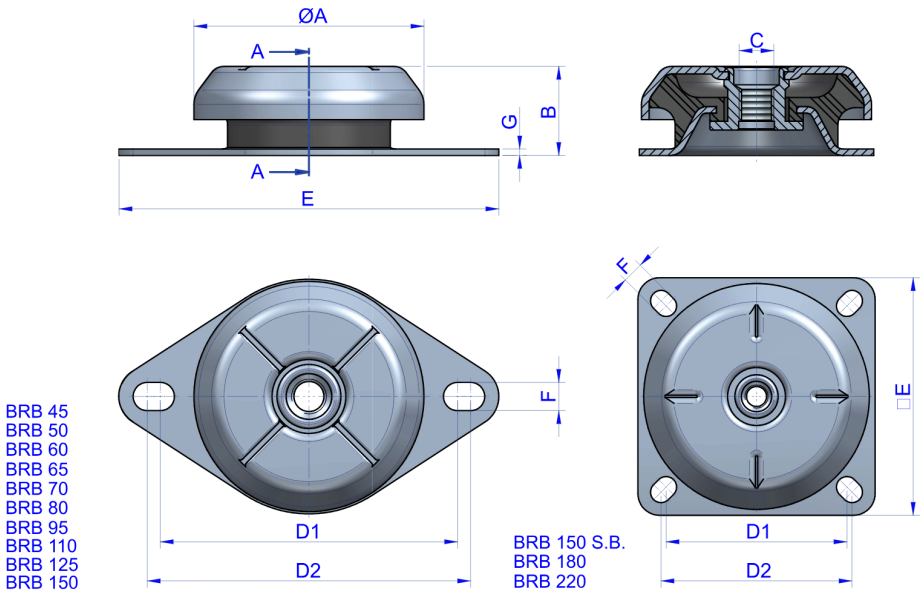


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BRB 65 M12	2.17	2.52	1.38	M-12	4.33	0.35	0.1	1	3.01	3.56	135431	110	40 Sh
											135432	165	50 Sh
											135433	264	60 Sh
											135434	309	70 Sh
BRB 70	2.17	2.52	1.38	M-12	4.72	0.43	0.12	1	3.94	3.94	135251	110	40 Sh
											135252	165	50 Sh
											135253	264	60 Sh
											135254	309	70 Sh
BRB 80 M10	1.26	3.27	1.38	M-10	5.31	0.43	0.12	1	4.25	4.41	135231	176	40 Sh
											135232	287	50 Sh
											135233	386	60 Sh
											135234	518	70 Sh
BRB 80 M12	2.17	3.27	1.38	M-12	5.31	0.43	0.12	1	4.25	4.41	135275	176	40 Sh
											135276	287	50 Sh
											135277	386	60 Sh
											135278	518	70 Sh

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BRB 95 M10 / BRB 95 M12 / BRB 100 M12 / BRB 100 M16

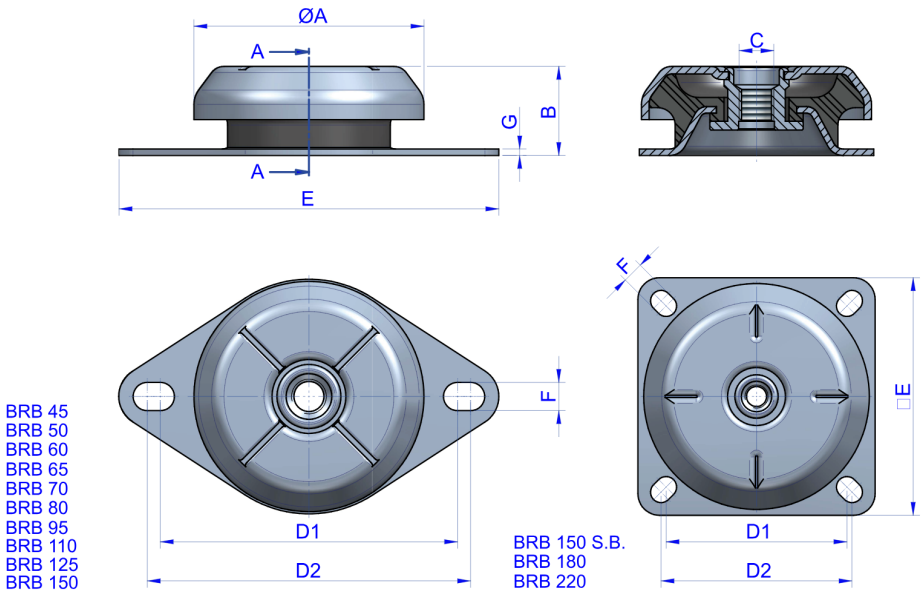


Type	Tightening torque Max. (Nm)	A(in)	B(in)	C(in)	E(in)	F(in)	G(in)	Weight(lbs)	D1 Min. (in)	D2 Max.(in)	Code	Max. Load (lbs)	Shore
BRB 95 M10	1.26	3.62	1.54	M-10	5.91	0.39	0.12	1	4.8	4.98	135771	331	40 Sh
											135772	573	50 Sh
											135773	727	60 Sh
											135774	860	70 Sh
BRB 95 M12	2.17	3.62	1.54	M-12	5.91	0.39	0.12	1	4.8	4.98	135761	331	40 Sh
											135762	573	50 Sh
											135763	727	60 Sh
											135764	860	70 Sh
BRB 100 M12	2.17	3.62	1.65	M-12	5.12	0.43	0.12	2	4.33	4.33	135290	441	40 Sh
											135292	672	50 Sh
											135287	882	60 Sh
											135291	1102	70 Sh
BRB 100 M16	4.92	3.62	1.65	M-16	5.12	0.43	0.12	2	4.33	4.33	135281	441	40 Sh
											135282	672	50 Sh
											135283	882	60 Sh
											135284	1102	70 Sh

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BRB 110 M12 / BRB 110 M16 / BRB 125 / BRB 150 S.B.

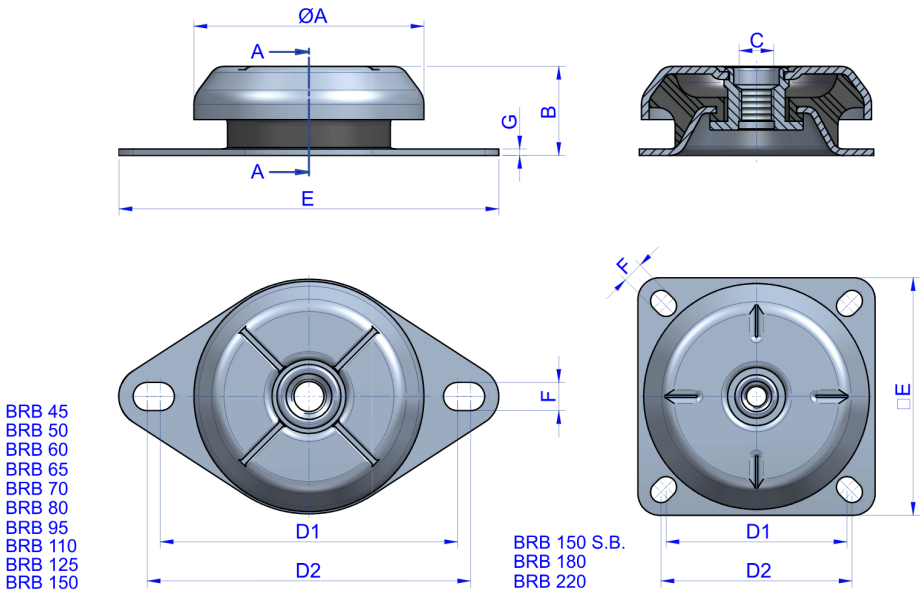


Type	Tightening torque Max. (Nm)	A(in)	B(in)	C(in)	E(in)	F(in)	G(in)	Weight(lbs)	D1 Min. (in)	D2 Max.(in)	Code	Max. Load (lbs)	Shore
BRB 110 M12	2.17	4.17	1.57	M-12	6.89	0.51	0.12	2	5.39	5.87	135241	441	40 Sh
											135242	672	50 Sh
											135243	926	60 Sh
											135244	992	70 Sh
BRB 110 M16	4.92	4.17	1.57	M-16	6.89	0.51	0.12	2	5.39	5.87	135331	441	40 Sh
											135332	672	50 Sh
											135333	926	60 Sh
											135334	992	70 Sh
BRB 125	4.92	4.84	1.83	M-16	7.48	0.55	0.16	3	6.06	6.38	135618	771	40 Sh
											135620	1102	50 Sh
											135622	1543	60 Sh
											135624	1984	70 Sh
BRB 150 S.B.	4.92	6.14	2.11	M-16	6.46	0.57	0.16	4	4.92	5.2	135205	992	40 Sh
											135206	1256	50 Sh
											135207	1763	60 Sh
											135208	2204	70 Sh

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BRB 150 / BRB 180 / BRB 220

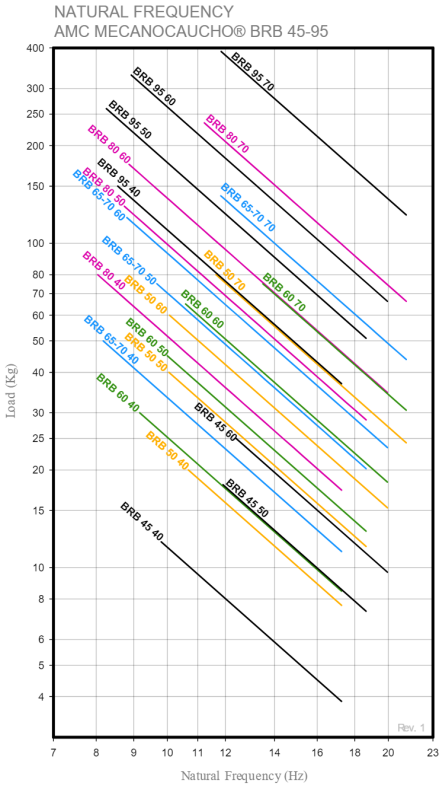


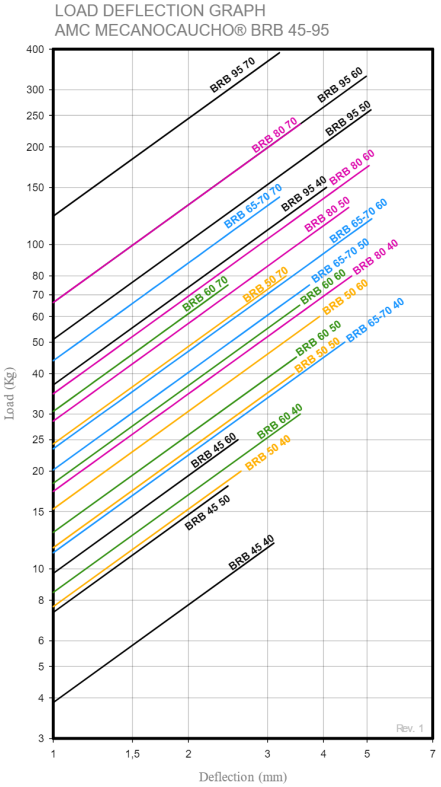
Type	Tightening torque Max. (Nm)	A(in)	B(in)	C(in)	E(in)	F(in)	G(in)	Weight(lbs)	D1 Min. (in)	D2 Max.(in)	Code	Max. Load (lbs)	Shore
BRB 150	4.92	6.14	2.11	M-16	8.58	0.57	0.16	4	6.93	7.4	135161	992	40 Sh
											135162	1256	50 Sh
											135163	1763	60 Sh
											135164	2204	70 Sh
BRB 180	7.48	7.32	3.31	M-20	7.13	0.55	0.2	8	5.75	5.91	135391	1929	40 Sh
											135392	2645	50 Sh
											135393	3747	60 Sh
											135394	5290	70 Sh
BRB 220	11.22	9.06	4.13	M-24	8.66	0.75	0.24	16	7.09	7.09	135201	3526	40 Sh
											135200	5290	50 Sh
											135202	7494	60 Sh
											135203	9257	70 Sh

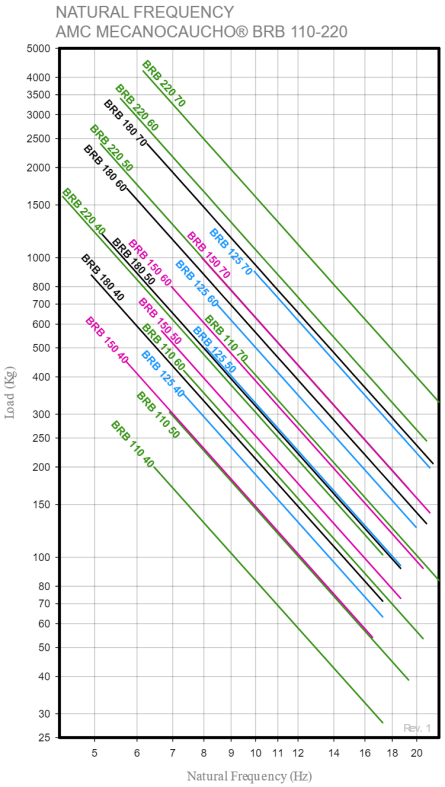
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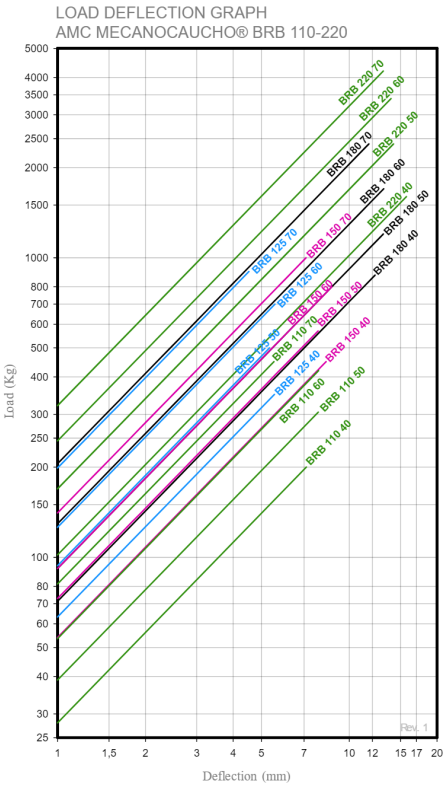
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Elastic properties









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Technical characteristics

• The top metal hood protects the rubber from the Ozone, UV rays, diesel or oils which damage the rubber.• The metal parts have a suitable anticorrosive treatment for outdoor applications. RoHs compliant.• They have an interlocking metal component that provides a fail-safe protection for mobile applications. This device limits vertical movement when the mounting is submitted to shock inputs.• The mounts are clearly identified, as the baseplates are engraved with the type and hardness, which makes it possible to easily recognise the part even after several years of use.• The top cap has a cross shaped indentation which enhances rigidity on mobile applications and also permits oils or liquids to flow off the mounting .

Advantages

Easy installation

This mount requires no major modifications to the structure for installation.

Improved isolation

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

High protection against weathering and chemical contamination

The bell housing protects the rubber from ozone and UV radiation, while also preventing contact with diesel, oils, or other chemicals that could damage it.

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