BRB Anti-Vibration Mounts

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



The **AMC-MECANOCAUCHO® BRB captive mounts** are designed with a **high elastomer section**, allowing 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 mounts.

Their design incorporates an **integral fail-safe restraint** that limits excessive movement and helps retain the equipment when subjected to **tensile forces, shocks or high dynamic loads**.

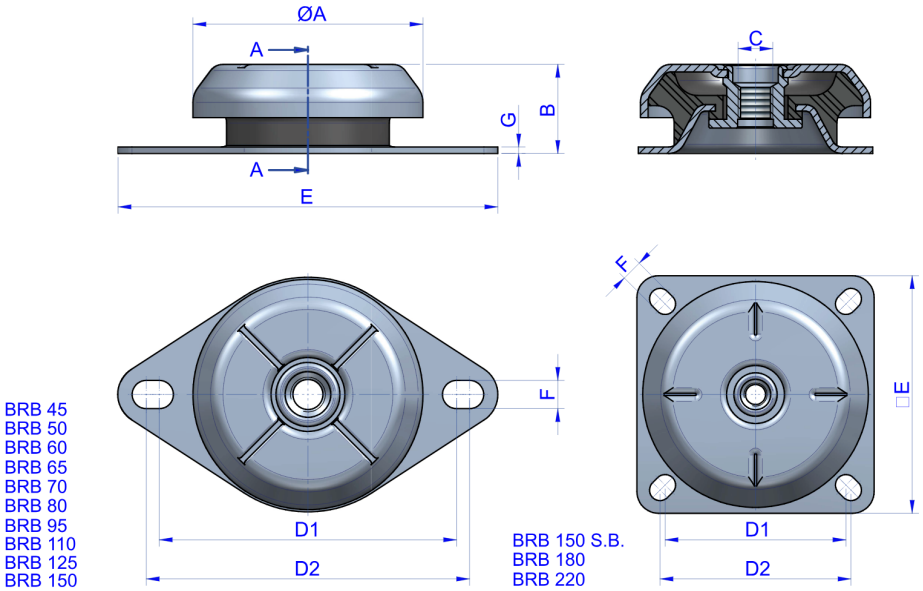
Available in a **wide range of sizes and rubber hardnesses**, BRB captive mounts cover a broad range of loads and are particularly suitable for **rotating machinery, engines, generator sets and mobile equipment** exposed to vibration, shocks, oil or fuel splashes and demanding environmental conditions.

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Drawings

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

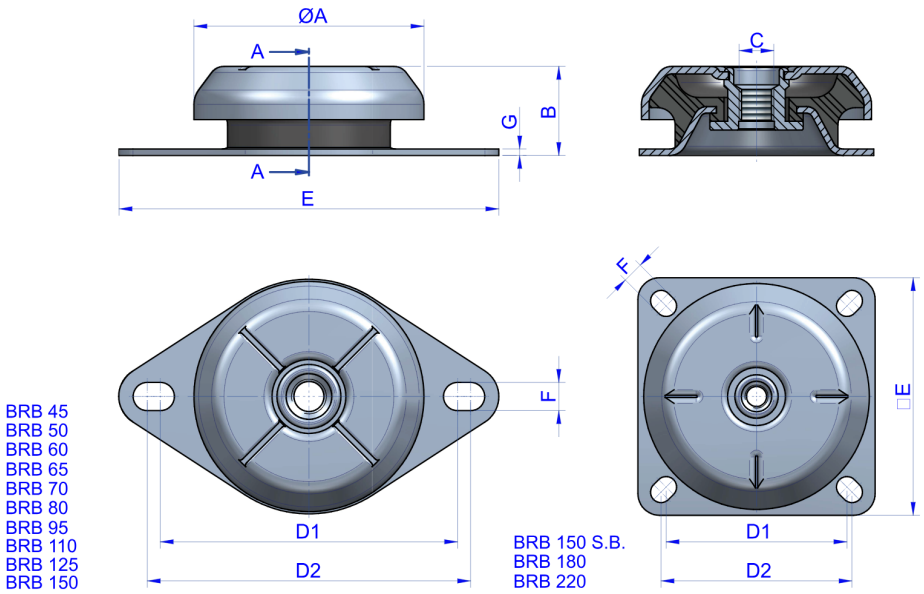


Type	Tightening torque Max. (Nm)	A(mm)	B(mm)	C(mm)	E(mm)	F(mm)	G(mm)	Weight(gr)	D1 Min. (mm)	D2 Max. (mm)	Code	Max. Load (kg)	Shore
BRB 45	16	50	32	M-8	85	6,5	2	131	61	70	135137	12	40 Sh
											135138	18	50 Sh
											135139	25	60 Sh
BRB 50	16	50	25	M-8	85	6,5	2	117	61	70	135451	20	40 Sh
											135453	40	50 Sh
											135455	60	60 Sh
											135457	80	70 Sh
BRB 60	32	64	35	M-10	110	9	2,5	225	76,5	90,5	135101	30	40 Sh
											135405	45	50 Sh
											135103	65	60 Sh
											135104	75	70 Sh
BRB 65 M10	32	64	35	M-10	110	9	2,5	243	76,5	90,5	135421	50	40 Sh
											135422	75	50 Sh
											135423	120	60 Sh
											135424	140	70 Sh

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

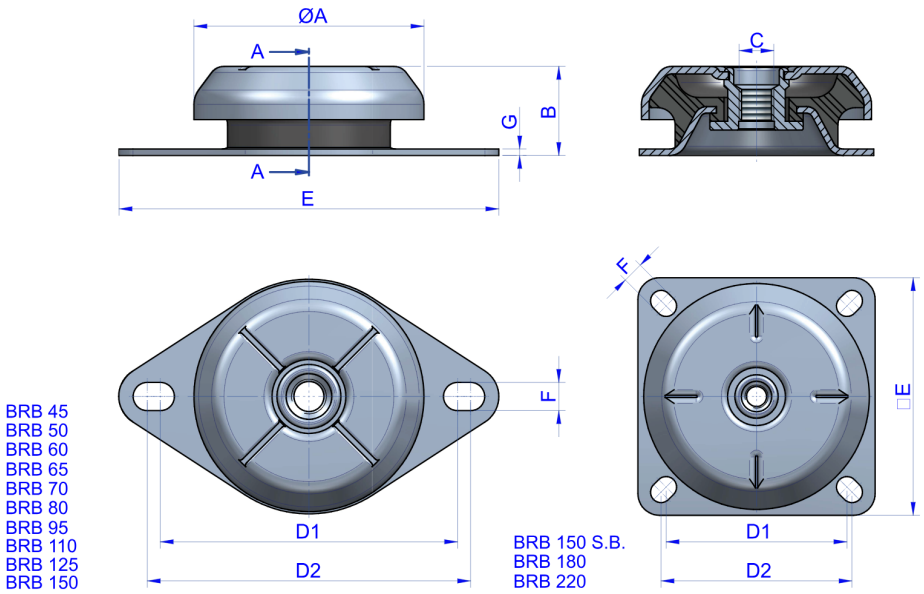


Type	Tightening torque Max. (Nm)	A(mm)	B(mm)	C(mm)	E(mm)	F(mm)	G(mm)	Weight(gr)	D1 Min. (mm)	D2 Max. (mm)	Code	Max. Load (kg)	Shore
BRB 65 M12	55	64	35	M-12	110	9	2,5	243	76,5	90,5	135431	50	40 Sh
											135432	75	50 Sh
											135433	120	60 Sh
											135434	140	70 Sh
BRB 70	55	64	35	M-12	120	11	3	253	100	100	135251	50	40 Sh
											135252	75	50 Sh
											135253	120	60 Sh
											135254	140	70 Sh
BRB 80 M10	32	83	35	M-10	135	11	3	398	108	112	135231	80	40 Sh
											135232	130	50 Sh
											135233	175	60 Sh
											135234	235	70 Sh
BRB 80 M12	55	83	35	M-12	135	11	3	398	108	112	135275	80	40 Sh
											135276	130	50 Sh
											135277	175	60 Sh
											135278	235	70 Sh

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

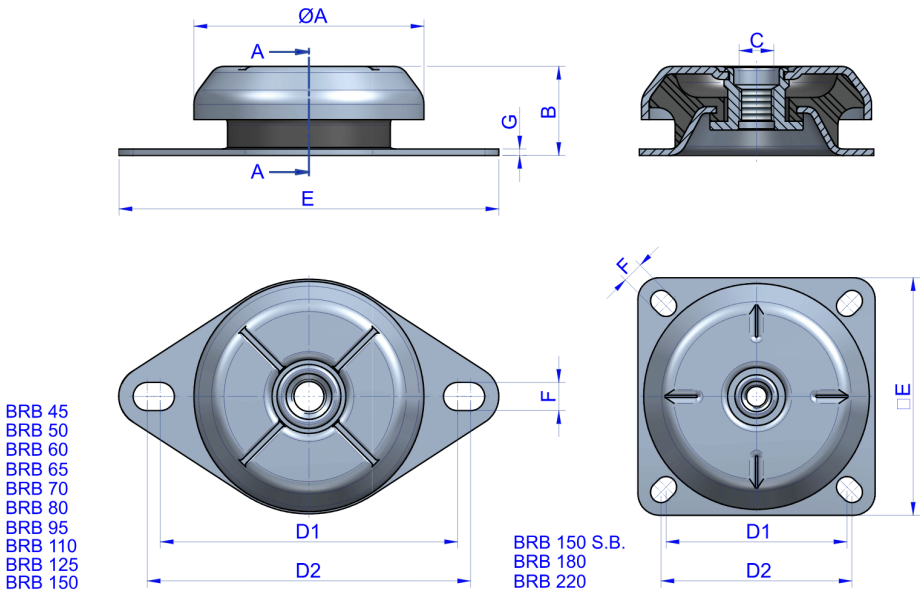


Type	Tightening torque Max. (Nm)	A(mm)	B(mm)	C(mm)	E(mm)	F(mm)	G(mm)	Weight(gr)	D1 Min. (mm)	D2 Max. (mm)	Code	Max. Load (kg)	Shore
BRB 95 M10	32	92	39	M-10	150	10	3	657	122	126,6	135771	150	40 Sh
											135772	260	50 Sh
											135773	330	60 Sh
											135774	390	70 Sh
BRB 95 M12	55	92	39	M-12	150	10	3	657	122	126,6	135761	150	40 Sh
											135762	260	50 Sh
											135763	330	60 Sh
											135764	390	70 Sh
BRB 100 M12	55	92	42	M-12	130	11	3	857	110	110	135290	200	40 Sh
											135292	305	50 Sh
											135287	400	60 Sh
											135291	500	70 Sh
BRB 100 M16	125	92	42	M-16	130	11	3	857	110	110	135281	200	40 Sh
											135282	305	50 Sh
											135283	400	60 Sh
											135284	500	70 Sh

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

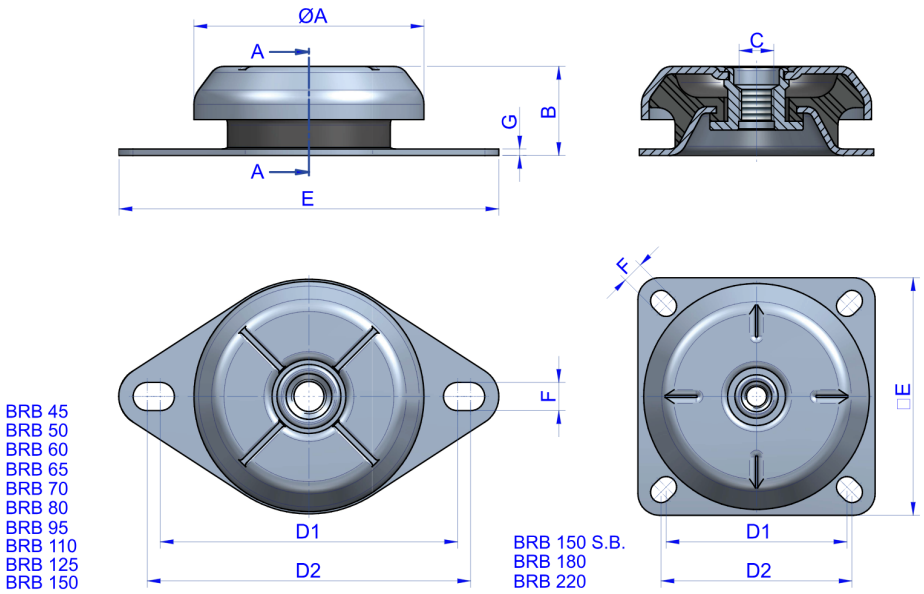


Type	Tightening torque Max. (Nm)	A(mm)	B(mm)	C(mm)	E(mm)	F(mm)	G(mm)	Weight(gr)	D1 Min. (mm)	D2 Max. (mm)	Code	Max. Load (kg)	Shore
BRB 110 M12	55	106	40	M-12	175	13	3	857	137	149	135241	200	40 Sh
											135242	305	50 Sh
											135243	420	60 Sh
											135244	450	70 Sh
BRB 110 M16	125	106	40	M-16	175	13	3	857	137	149	135331	200	40 Sh
											135332	305	50 Sh
											135333	420	60 Sh
											135334	450	70 Sh
BRB 125	125	123	46,5	M-16	190	14	4	1170	154	162	135618	350	40 Sh
											135620	500	50 Sh
											135622	700	60 Sh
											135624	900	70 Sh
BRB 150 S.B.	125	156	53,5	M-16	164	14,5	4	2030	125	132	135205	450	40 Sh
											135206	570	50 Sh
											135207	800	60 Sh
											135208	1000	70 Sh

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BRB 150 / BRB 180 / BRB 220



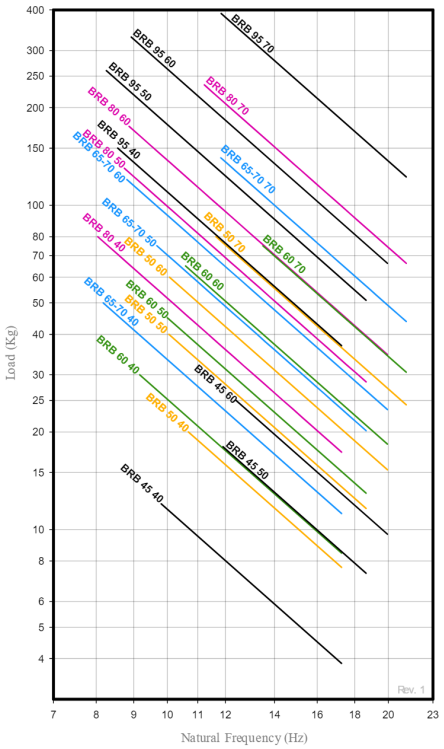
Type	Tightening torque Max. (Nm)	A(mm)	B(mm)	C(mm)	E(mm)	F(mm)	G(mm)	Weight(gr)	D1 Min. (mm)	D2 Max. (mm)	Code	Max. Load (kg)	Shore
BRB 150	125	156	53,5	M-16	218	14,5	4	1840	176	188	135161	450	40 Sh
											135162	570	50 Sh
											135163	800	60 Sh
											135164	1000	70 Sh
BRB 180	190	186	84	M-20	181	14	5	3800	146	150	135391	875	40 Sh
											135392	1200	50 Sh
											135393	1700	60 Sh
											135394	2400	70 Sh
BRB 220	285	230	105	M-24	220	19	6	7453	180	180	135201	1600	40 Sh
											135200	2400	50 Sh
											135202	3400	60 Sh
											135203	4200	70 Sh

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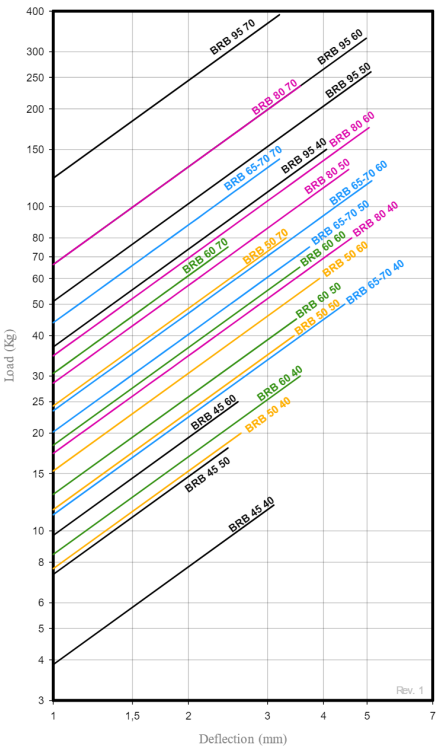
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Elastic properties

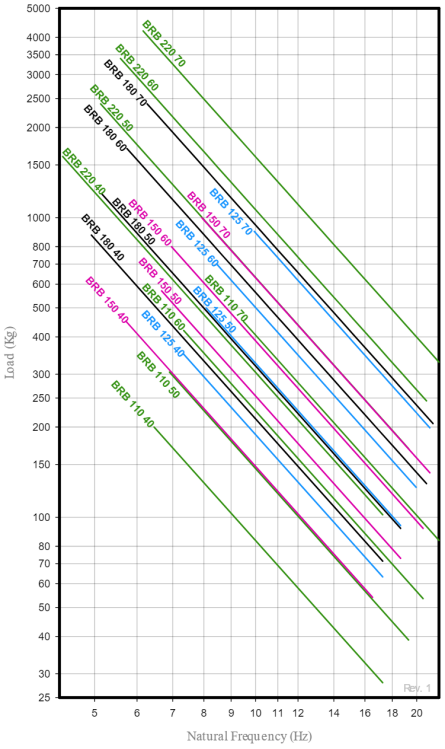
NATURAL FREQUENCY
AMC MECANOCAUCHO® BRB 45-95



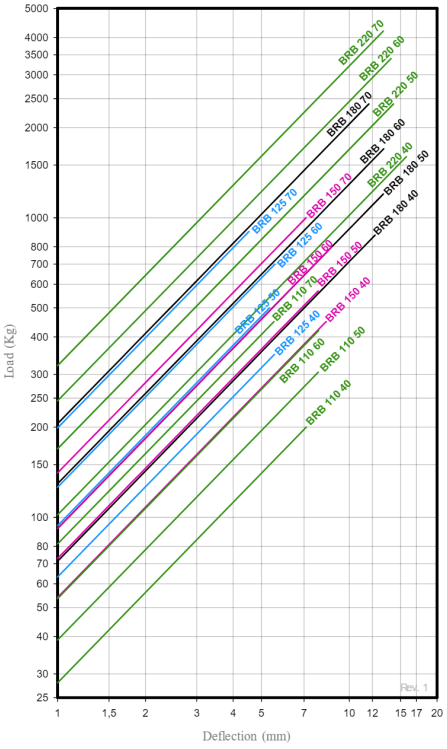
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NATURAL FREQUENCY
AMC MECANOCAUCHO® BRB 110-220



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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 minimal structural modifications, making installation quick and straightforward.

Improved isolation

It offers improved isolation compared with 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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