BSB Vibration Isolators

Captive vibration isolators providing an excellent balance of vibration isolation, stability and motion control, with integral fail-safe restraint.



The **AMC-MECANOCAUCHO® BSB vibration isolators** are captive elastomeric mounts designed to work in both **compression and shear**, providing an optimal balance between **vibration isolation and equipment stability**.

Their design provides effective control of **vertical and horizontal movement**, making them particularly suitable for machinery subjected to dynamic forces or applications requiring a more stable suspension. An **integral fail-safe restraint** provides mechanical retention of the equipment in the event of tensile forces, shock or excessive displacement.

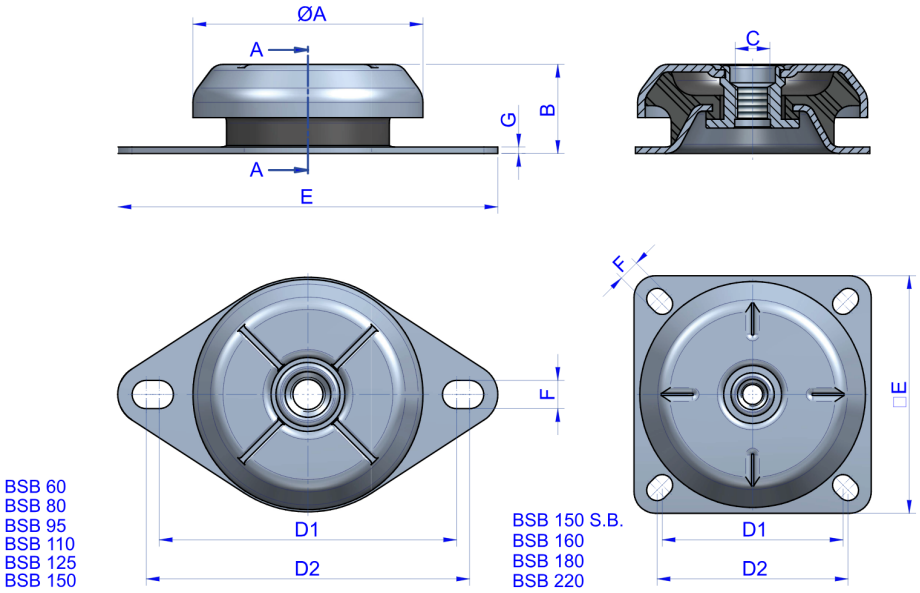
Available in a **wide range of sizes and rubber hardnesses**, BSB vibration isolators cover a broad range of loads. They are particularly suitable for **engines, generator sets, pumps, compressors, rotating machinery and mobile equipment** requiring a combination of **effective vibration isolation, good stability and mechanical restraint**.

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Drawings

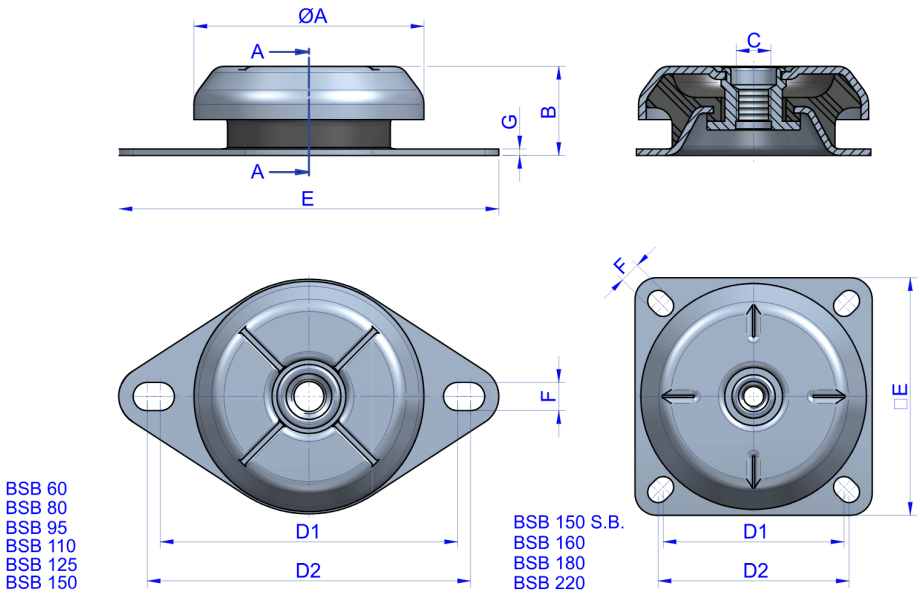
BSB 60 M10 / BSB 60 M12 / BSB 80 M10



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
BSB 60 M10	1.26	2.52	1.34	M-10	4.33	0.35	0.1	1	3.01	3.56	135106	154	40 Sh
											135109	287	50 Sh
											135107	375	60 Sh
											135108	540	70 Sh
BSB 60 M12	2.17	2.52	1.34	M-12	4.33	0.35	0.1	1	3.01	3.56	135406	154	40 Sh
											135407	287	50 Sh
											135408	375	60 Sh
											135409	540	70 Sh
BSB 80 M10	1.26	3.07	1.22	M-10	5.12	0.36	0.12	1	4.26	4.38	135261	242	40 Sh
											135262	353	50 Sh
											135263	507	60 Sh
											135264	661	70 Sh

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BSB 80 M12 / BSB 95 M10 / BSB 95 M12

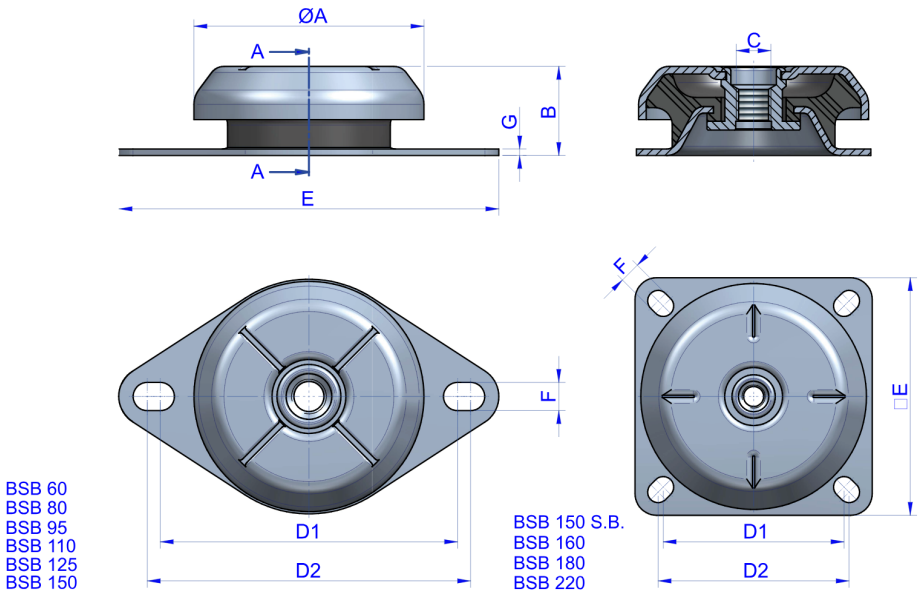


Type	Tightening torque Max. (Nm)	A(in)	B(in)	C(in)	E(in)	F(in)	G(in)	Weight(lbs)	D1 Min. (in)	D2 Max.(in)	Code	Max. Load (lbs)	Shore
BSB 80 M12	2.17	3.07	1.22	M-12	5.12	0.36	0.12	1	4.26	4.38	135265	242	40 Sh
											135266	353	50 Sh
											135267	507	60 Sh
											135268	661	70 Sh
BSB 95 M10	1.26	3.62	1.34	M-10	5.91	0.39	0.12	1	4.8	4.98	135311	397	40 Sh
											135312	507	50 Sh
											135313	595	60 Sh
											135314	727	70 Sh
BSB 95 M12	2.17	3.62	1.34	M-12	5.91	0.39	0.12	1	4.8	4.98	135315	397	40 Sh
											135316	507	50 Sh
											135317	595	60 Sh
											135318	727	70 Sh

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BSB 110 M12 / BSB 110 M16 / BSB 125

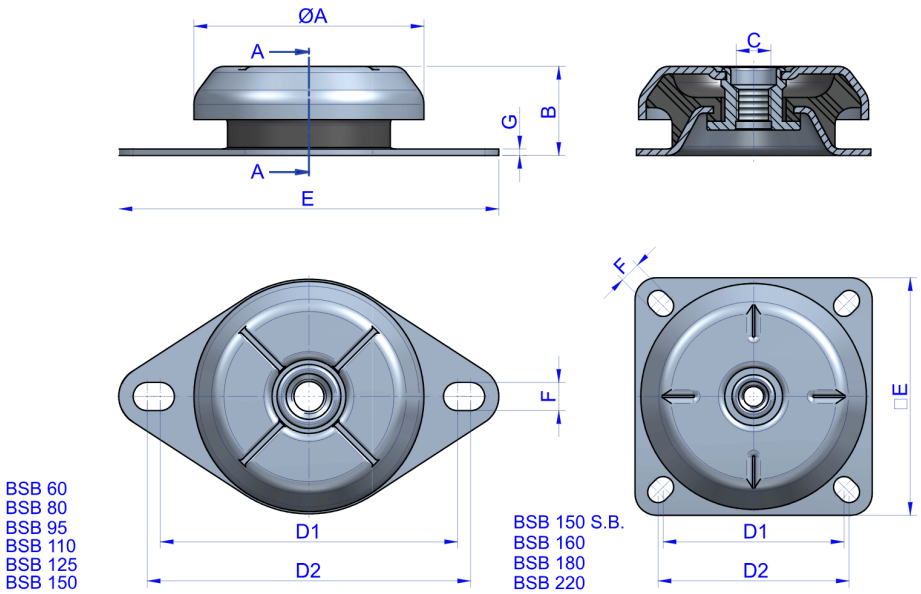


Type	Tightening torque Max. (Nm)	A(in)	B(in)	C(in)	E(in)	F(in)	G(in)	Weight(lbs)	D1 Min. (in)	D2 Max.(in)	Code	Max. Load (lbs)	Shore
BSB 110 M12	2.17	4.17	1.46	M-12	6.89	0.51	0.12	2	5.39	5.87	135335	551	40 Sh
											135336	771	50 Sh
											135337	992	60 Sh
											135338	1212	70 Sh
BSB 110 M16	4.92	4.17	1.46	M-16	6.89	0.51	0.12	2	5.39	5.87	135150	551	40 Sh
											135151	771	50 Sh
											135152	992	60 Sh
											135153	1212	70 Sh
BSB 125	4.92	4.84	1.69	M-16	7.48	0.55	0.16	2	6.06	6.38	135351	992	40 Sh
											135352	1212	50 Sh
											135353	1521	60 Sh
											135354	1984	70 Sh

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BSB 150 S.B. / BSB 150 / BSB 160

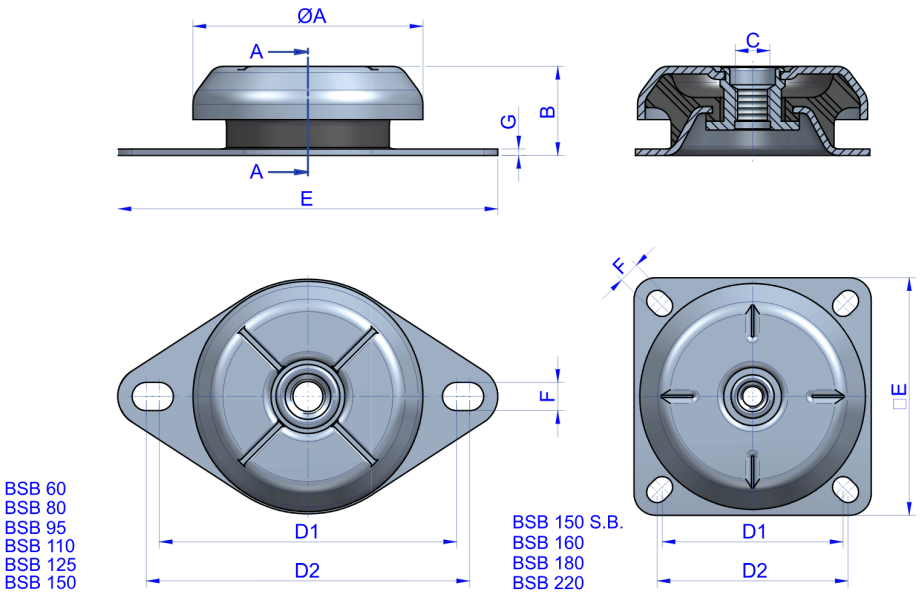


Type	Tightening torque Max. (Nm)	A(in)	B(in)	C(in)	E(in)	F(in)	G(in)	Weight(lbs)	D1 Min. (in)	D2 Max.(in)	Code	Max. Load (lbs)	Shore
BSB 150 S.B.	4.92	6.14	1.93	M-16	6.46	0.57	0.16	5	4.92	5.2	135371	1653	40 Sh
											135372	2094	50 Sh
											135373	2865	60 Sh
											135374	3637	70 Sh
BSB 150	4.92	6.14	1.93	M-16	8.58	0.57	0.16	4	6.93	7.4	135361	1653	40 Sh
											135362	2094	50 Sh
											135363	2865	60 Sh
											135364	3637	70 Sh
BSB 160	7.48	6.14	2.24	M-20	6.69	0.57	0.16	5	5.51	5.51	135381	1984	40 Sh
											135382	2645	50 Sh
											135383	3526	60 Sh
											135384	5069	70 Sh

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BSB 180 / BSB 220

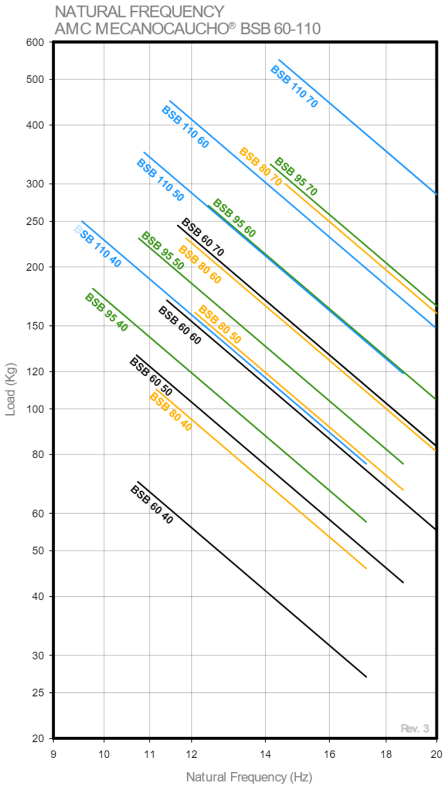


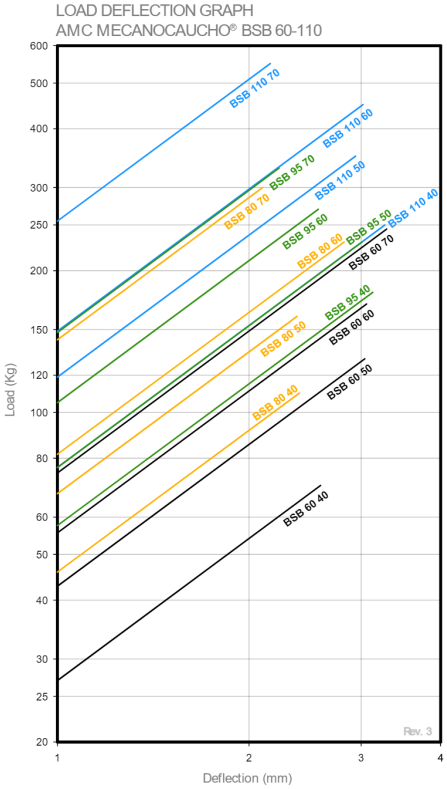
Type	Tightening torque Max. (Nm)	A(in)	B(in)	C(in)	E(in)	F(in)	G(in)	Weight(lbs)	D1 Min. (in)	D2 Max.(in)	Code	Max. Load (lbs)	Shore
BSB 180	7.48	7.09	2.64	M-20	7.56	0.57	0.16	6	5.87	6.42	135181	2865	40 Sh
											135184	3857	50 Sh
											135182	4628	60 Sh
											135183	6392	70 Sh
BSB 220	11.22	9.06	4.13	M-24	8.66	0.75	0.24	15	7.09	7.09	135301	5510	40 Sh
											135302	7053	50 Sh
											135303	8816	60 Sh
											135304	11020	70 Sh

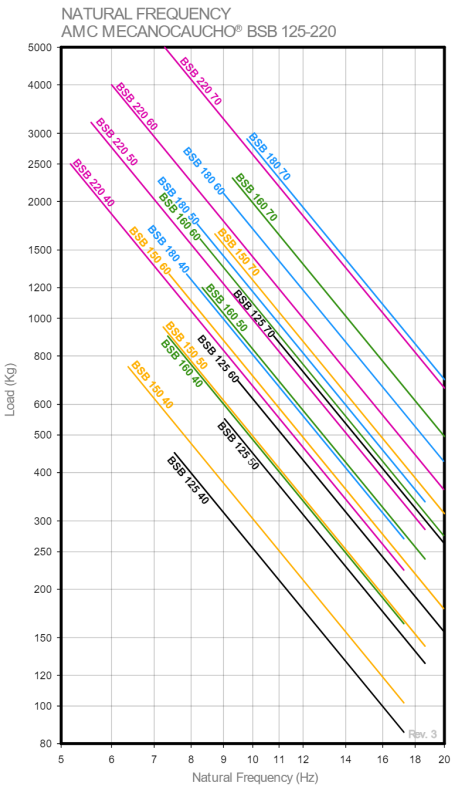
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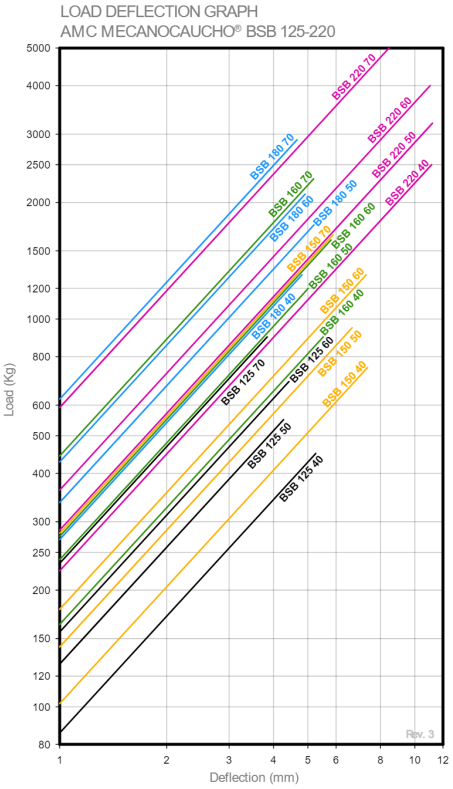
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Elastic properties









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Technical characteristics

• The top metal hood protects the rubber from the Ozone, UV rays, diesel or oils which may cause major damage to 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 hood has a cross stamped on the top, which enhances its stiffness on mobile applications and also improves the evacuation of oils or liquids that splash onto it.

Advantages

Easy installation

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

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.

Mount offering high stability

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

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