VD Vibration Isolators

High-deflection rubber-to-metal vibration isolators for machinery and equipment subjected to dynamic loads.



The **AMC-MECANOCAUCHO® VD vibration isolators** are rubber-to-metal isolators designed to provide **high elasticity and effective vibration isolation**. Their geometry allows the elastomer to work simultaneously in **compression and shear**, providing high deflection under load.

The isolator consists of **two metal components bonded to an elastomeric element**, forming a compact and rugged assembly. The integrated mounting points simplify installation on a wide range of machinery and equipment.

Thanks to their **high deflection and low stiffness**, VD vibration isolators provide **low natural frequencies** and effectively reduce vibration transmission to the supporting structure.

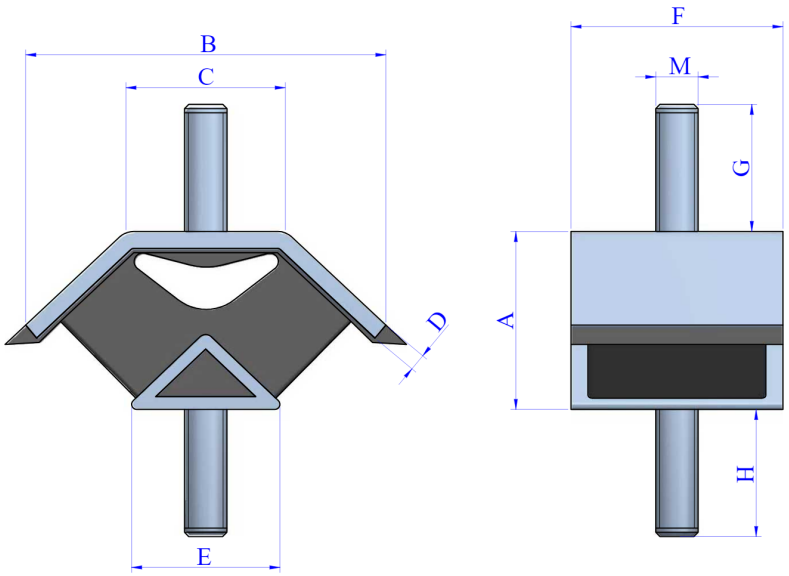
They are particularly suitable for **rotating machinery, saildrive transmissions, generator sets, pumps, compressors and industrial equipment** requiring high levels of vibration isolation without excessive equipment movement.

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Drawings

Small 40 / Small 45 M12 / Small 50 / Small 60 / Small 60 M12 / Medium 45 / Medium 50 / Medium 60 / Medium 70

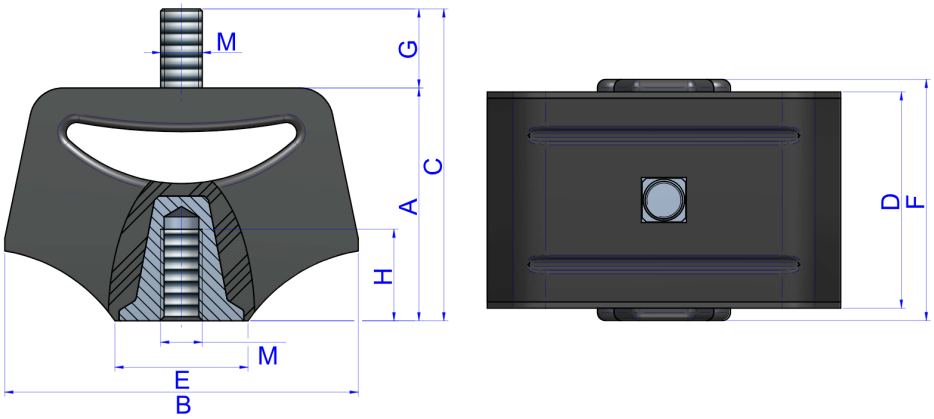


Type	A(in)	B(in)	C(in)	D(in)	E(in)	F(in)	G(in)	H(in)	M	Weight(lbs)	Code	Max. Load(lbs)
Small 40	1.61	3.74	1.54	0.16	1.38	1.97	0.91	0.98	M-10	1	148121	165
Small 45 M12	1.61	3.74	1.54	0.16	1.38	1.97	1.18	1.18	M-12	1	148132	198
Small 50	1.61	3.74	1.54	0.16	1.38	1.97	0.91	0.98	M-10	1	148123	220
Small 60	1.61	3.74	1.54	0.16	1.38	1.97	0.91	0.98	M-10	1	148125	242
Small 60 M12	1.61	3.74	1.54	0.16	1.38	1.97	1.18	1.22	M-12	1	148133	242
Medium 45	2.52	5.12	2.36	0.24	2.05	2.36	1.34	1.42	M-12	2	148101	220
Medium 50	2.52	5.12	2.36	0.24	2.05	2.36	1.34	1.42	M-12	2	148102	264
Medium 60	2.52	5.12	2.36	0.24	2.05	2.36	1.34	1.42	M-12	2	148104	331
Medium 70	2.52	5.12	2.36	0.24	2.05	2.36	1.34	1.42	M-12	2	148105	386

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VD56

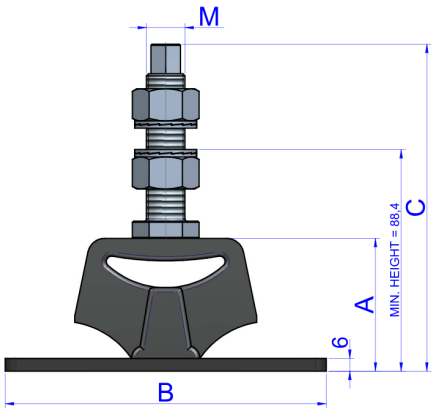


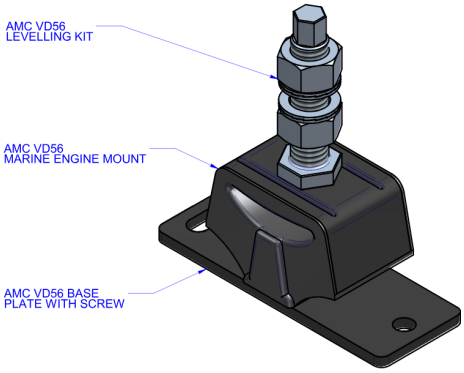
Type	A(in)	B(in)	C(in)	D(in)	E(in)	F(in)	G(in)	H(in)	M	Weight(lbs)	Code	Max. Load (lbs)	Shore
VD56	2.2	3.35	2.95	2.05	1.26	2.28	0.71	0.87	M-10 x 1.5	1	148008	132	50Sh
											148009	198	60Sh
											148010	309	70Sh

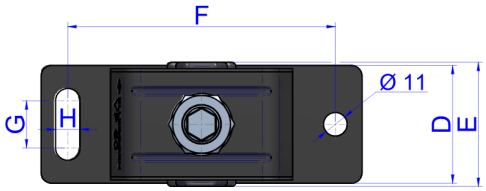
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VD56 Full Kit

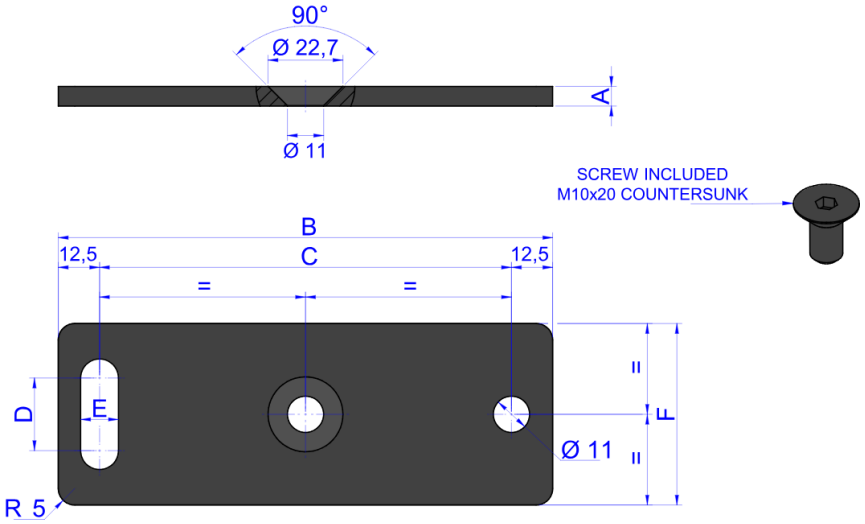






Type	A(in)	B(in)	C(in)	D(in)	E(in)	F(in)	G(in)	H(in)	M	Weight(lbs)	Code	Max. Load (lbs)	Shore
VD56 Full Kit	2.44	5.91	6.01	2.17	2.28	4.92	0.87	0.45	M18 x 1,5	3	148145	50Sh	60
											148146	60Sh	90
											148147	70Sh	140

Base Plate VD56 150x55

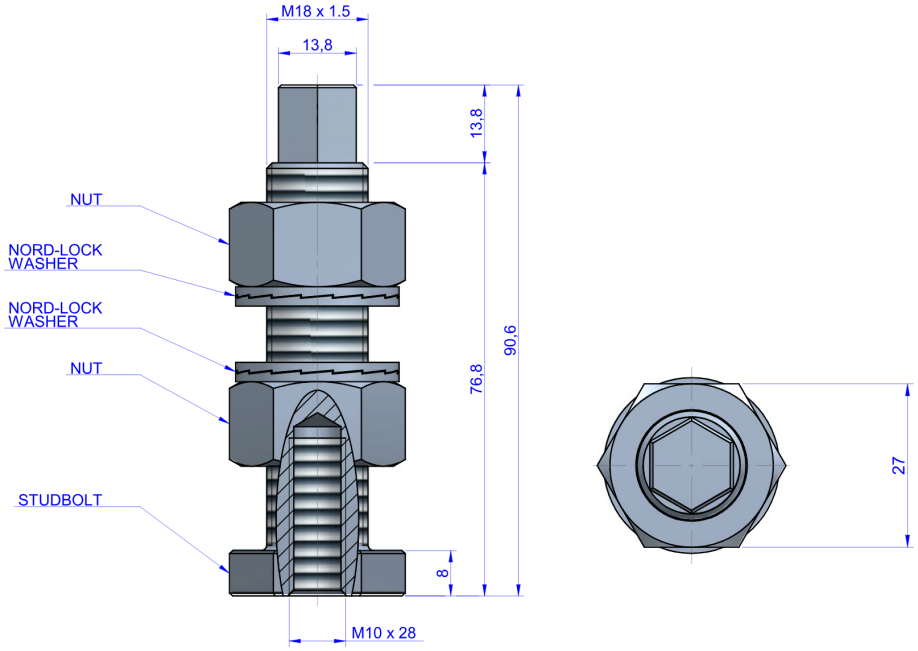


Type	A(in)	B(in)	C(in)	D(in)	E(in)	F(in)	G(in)	H(in)	M	Weight(lbs)	Code	Max. Load(lbs)	Shore
Base Plate VD56 150x55	0.24	5.91	4.92	0.87	0.45	2.17	-	-	-	0.04	708210	-	-

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VD56 levelling kit



Type	A(in)	B(in)	C(in)	D(in)	E(in)	F(in)	G(in)	H(in)	M	Weight(lbs)	Code	Max. Load (lbs)	Shore
VD56 levelling kit	-	-	-	-	-	-	-	-	-	1	708306	-	-

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Elastic properties

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Technical characteristics

The type VD Mount shape provides high deflections for relatively low loads. This means that the natural frequency is low and ideal for engines which frequently run at idle speed. It has three different stiffness rates in the Vertical , Lateral and Longitudonal axes which permits adjustment of stiffness modes for optimal isolation and stability .They can be installed at specific angles to provide adjustment of the suspension system . Please contact our Technical Department for further details .

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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