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DSD ANTI VIBRATION MOUNTS + BEL



AMC-Mechanocaucho® SD anti vibration mounts design provides excellent radial and axial flexibility making them most suitable for the suspension of machines where isolation of both vertical and horizontal vibration components occur. DSD mounts comprise of two flat metal parts. The top metal part is circular with either a tapped central boss or an internal welded nut for attaching the mount to the machine frame .The lower metal part has an oval shape with two holes to allow fixing to the support structure of the machine .

TECHNICAL CHARACTERISTICS

AMC-Mechanocaucho® DSD mountings have comparable stiffness rates vertically and horizontally making them very effective against random vibrations in either plane.

APPLICATIONS

DSD mountings are particularly suitable for applications with low to medium dynamic amplitudes which enables the mountings stiffness rates to provide effective isolation . Suitable for HVAC, Ventilators, rotating pumps, torque or frequency converters, electric motors or power units.







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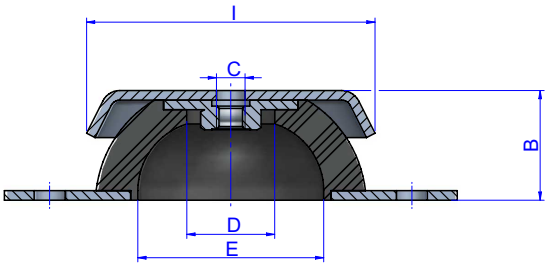
sales@amcsa.es

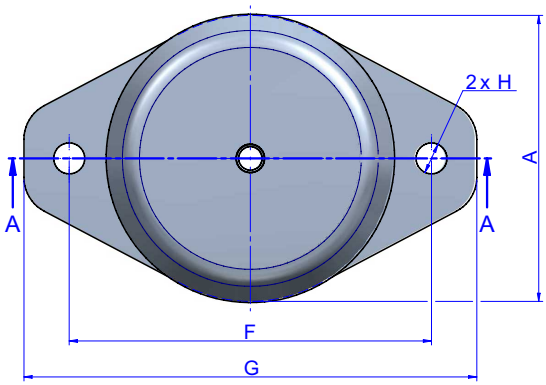
www.mecanocaucho.com
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In order to adapt its products to the state of the art, AMC S.A. reserves the right to modify the conception and manufacture of the materials presented in this catalogue without prior notice.

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DRAWINGS





DIMENSIONS

Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	Weight (gr)	Shore	Max. Load (kg)	Code
DSD 40 + Bell	43	19	M-6	19	29	52	64	6,25	40	48	45 Sh	4	134028
											60 Sh	10	134029
											75 Sh	15	134030
DSD 60 + Bell	60	23	M-6	14	39	76	95	6,5	60,5	128	45 Sh	15	134031
											60 Sh	25	134032
											75 Sh	45	134033
DSD 80 + Bell	86	27	M-8	25	65	100	120	8,5	85	232	45 Sh	75	134034
											60 Sh	110	134035
											75 Sh	150	134036
DSD 100 + Bell	100	28	M-10	22	67	124	149	10,5	103,5	465	45 Sh	90	134037
											60 Sh	160	134038
											75 Sh	220	134039
DSD 150 + Bell	150	37	M-14	34	114	182	214	12	155	1110	45 Sh	130	134040
											60 Sh	250	134041
											75 Sh	350	134042
DSD 200 + Bell	200	43,5	M-18	35	140	240	280	15	208	2736	45 Sh	500	134043
											60 Sh	825	134044
											75 Sh	1250	134045

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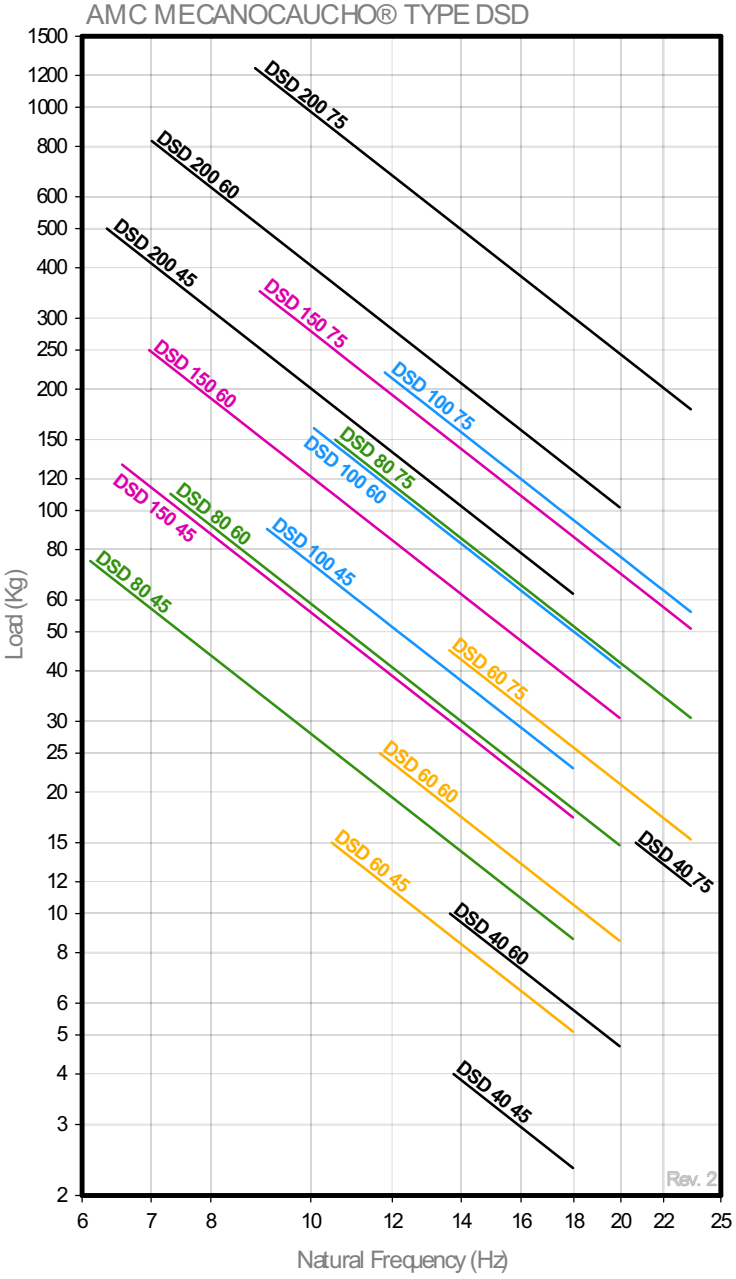
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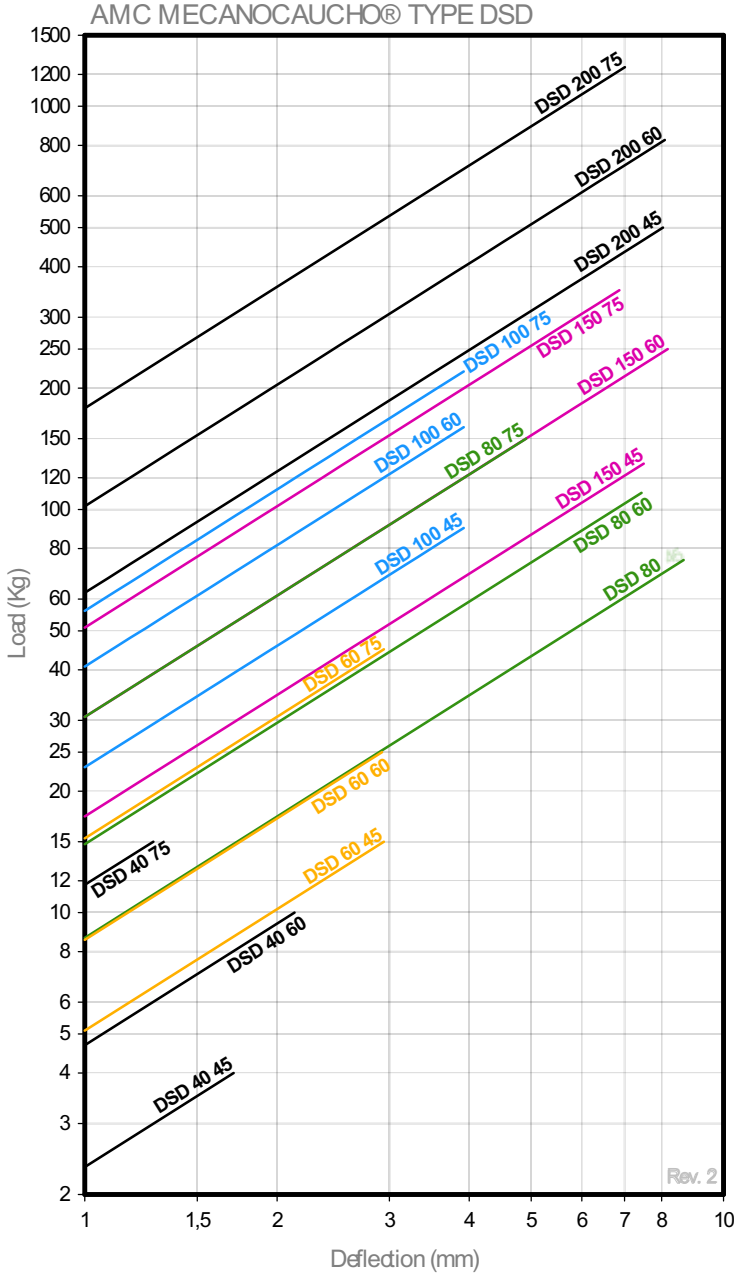
DSD ANTI VIBRATION MOUNTS + BELL

Elastical properties

NATURAL FREQUENCY
AMC MECANOCAUCHO® TYPE DSD



LOAD DEFLECTION GRAPH
AMC MECANOCAUCHO® TYPE DSD



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OPERATION AND ASSEMBLY

Both metal parts are fully bonded to the dome shaped circular rubber section during moulding. The rubber section works in compression when loaded. In the event of shock inputs or accidental overloads the mountings will deflect vertically and horizontally, absorbing the shock energy. It is highly recommended that the metal caps shown below are used on the assembly to produce progressive stiffening under dynamic load inputs . Attachment of the mounts to the support structure can either be by the use of Set Screws, Bolts or by adapting the support structure to have studs securely fixed to the floor as in the case of concrete slabs. For applications where high vibration isolation is needed , DRD mounts should be considered as the alternative.

ADVANTAGES

• Simple to install, they can be placed directly on the floor or ground due to the vertical flexibility of the rubber section without direct attachment . Effectiveness – with three standard compounds available, identified by the hardness stamped on the base, Soft: hardness A 45, Medium: hardness B 60, Hard: hardness C 75), enabling the user to choose the most suitable mount for the load to be supported and the vibration frequency. For extremely low vibration frequencies they can be mounted in series to provide additional vibration isolation. In certain cases it may be advisable to install an effective “Fail Safe” design to prevent over deflection. • Speed of placement of the mount and easy movement of the machine to the required spot. • Cost effective.

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