

Description:

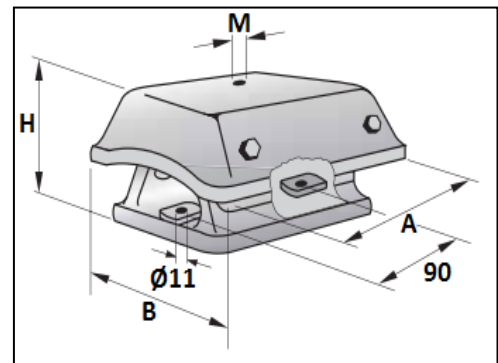
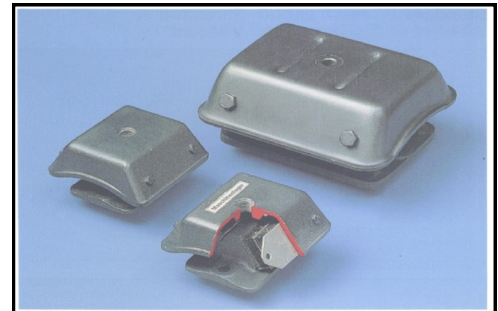
Vibracoustics Ltd Machine Mountings damp vibration and reduce noise. Their use brings about a substantial reduction of the machine vibration that is otherwise transmitted to the machine base or the surrounding building and other machinery and equipment.

Vibracoustics Ltd Machine mountings are primarily used to support heavy machines or engines and motors (e.g. compressors, rolling mills, emergency generators). They consist of rectangular sandwich mounts which are protected against mechanical damage and aggressive oil by the special shape of the upper metal. The combined loading of the rectangular sandwich mounts by compression and shear guarantees long service in addition to excellent vibration isolation, even where the disturbing frequency (e.g. the number of revolutions) is low. The machine mounting can be easily fixed to the ground and machine through the holes and threads which are part of the standard version. By being anchored to the ground, both compression-loading (Z-direction) as well as shear-loading (X-and Y-directions) of the mounting, is allowed.

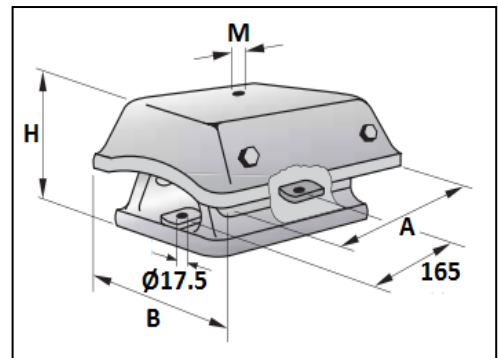
The unique advantage of these machine mountings is their characteristics of having different spring rates for the three different coordinates. The highest elasticity is in the horizontal (X-axis) lengthwise direction, the highest stiffness in the horizontal (Y-axis) crosswise direction. The spring rate ratios comparing the three coordinate directions Z : X : Y for the different types of machine mountings are as follows:

- Type A 1: 0.25 : 2.0
- Type B 1: 0.25 : 2.5
- Type HD 1: 0.25 : 1.25

This feature of different spring rates can be best put to use, for example in the support of a compressor or an engine. If the mounts are adjusted such that the maximum occurring vibrations are loading the mounts in the X-direction. Tandem arrangements (two machine mounts screwed together using the flange) can be chosen to achieve effective vibration isolation for disturbing frequencies.



VS50001A* N**



VS50002B* N** & VS50004D* N**

Part No.	Shore Hardness	Type	Dimensions (mm)				Load Direction Z	
			A	H	B	M	Max Load (N)	Max Defl. (mm)
VS50001A3 N45	N45	A3	121	72	127	M12/M16	1400	5.8
VS50001A2 N50	N50	A2	121	72	127	M12/M16	1800	5.8
VS50001A1 N60	N60	A1	121	72	127	M12/M16	3000	5.8
VS50001A0 N70	N70	A0	121	72	127	M12/M16	5200	5.8
VS50002B3 N45	N45	B3	228	110	203	M16	6500	6
VS50002B2 N55	N55	B2	228	110	203	M16	9500	6
VS50002B3 N60	N60	B1	228	110	203	M16	12500	6
VS50002B0 N70	N70	B0	228	110	203	M16	16000	6
VS50004HD3 N45	N45	HD3	228	125	203	M16	5000	11
VS50004HD2 N55	N55	HD2	228	125	203	M16	8500	11
VS50004HD1 N60	N60	HD1	228	125	203	M16	9500	11
VS50004HD0 N70	N70	HD0	228	125	203	M16	12500	11

