

# ● Metalastik® type Sandwich mountings large series

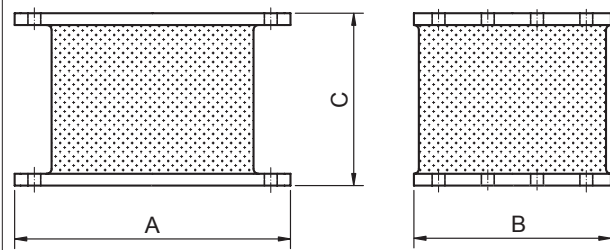


## Applications/Features

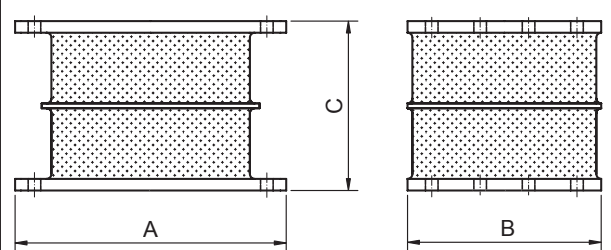
This range of mountings is suited to the suspension of heavy equipment and machinery and is extensively used as a flexible mounting for large medium speed diesel marine propulsion units. The ratio of compression to shear stiffness rates can be varied by incorporating rigid interleave plates in the rubber section, thereby enabling the overall suspension properties to be optimised to isolate the major disturbing vibrations.

The mountings are usually installed in a vee arrangement and when correctly positioned, afford a high level of vibration isolation but at the same time keep movements of the suspended equipment, under the action of external forces, to a minimum.

## Non interleaved



## Interleaved



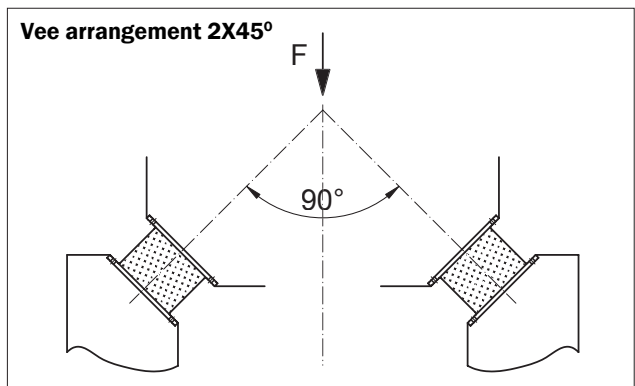
All dimensions in mm

Product No.	A mm	B mm	C mm	Interleaves	Max Static Compression Load, kN		Max Static Compression Deflection, mm	Weight kg	Rubber Hardness	Nominal Compression Stiffness, kN/m		Nominal Shear Stiffness kN/m	
					45H	60H				Static	Dyn.	Static	Dyn.
17-1666	280	200	175	None	11.8	22	15	17.2	45	890	1000	130	150
17-1742	280	200	127	None	13.2	24.5	10	14	45	1600	1840	250	325
									60	3000	3900	375	490
17-1783	460	268	109	None	46	84	8.5	29.8	45	5750	6610	600	690
									60	10750	14000	1125	1460
17-2181	460	268	109	1	83	155	8	30.5	45	13500	15500	515	590
									60	25500	33200	965	1255
17-0434	460	268	109	2	224	417	7.5	34	45	28750	33000	575	660
									60	53900	70000	1080	1400

N.B. In many cases, the horizontal shear stiffness rates will reduce under compressive forces, - see graphs overleaf.

## Vee arrangements 2 x 45 deg

Product No.	Rubber Hardness	Max Static Vertical Load kN	Max Static Vertical Deflection, mm
17-1666	45	20.5	21
	60	38	21
17-1742	45	24	14
	60	46	14
17-1783	45	69	11
	60	132	11
17-2181	45	147	10.5
	60	280	10.5
17-0434	45	310	10.5
	60	584	10.5



Mountings are frequently used in a vee arrangement for the suspension of large medium speed diesel engines. Typical arrangement and properties are shown in the adjacent table.