Marine & Offshore solutions

Shock Mounts

Type Y-Mount

Design Features

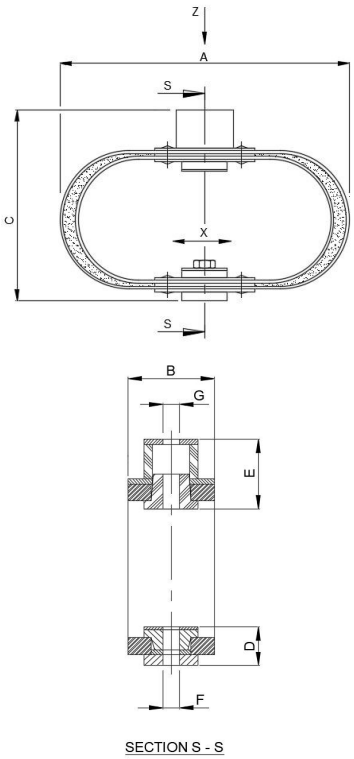
- Manufactured in stainless steel with high impact nylon washers for fixing bolts.
- Two different horizontal stiffness axes enable optimum system characteristics and vibration isolation can be achieved using careful orientation of the mountings.
- Each isolator is individually stencilled with nominal load on outer casing for easy identification.
- Static deflections of up to 8 mm with loads from 9 to 500 kg.

Typical Applications

- Control Panels.
- Axial and Centrifugal Fans.
- Air Handling Units.
- Isolation of Sensitive Equipment.
- Electrical Cabinets.
- Transformers.

The type `Y' mount is an significant improvement on the original type `X' mount design providing improved high frequency attenuation.

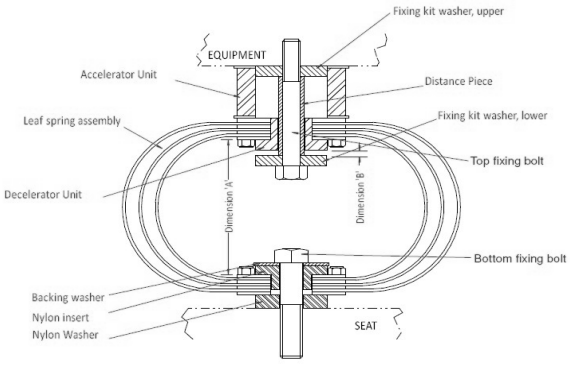
The `Y' adds the addition of a rubber moulding on top of the mounting which forms both accelerator and decelerator units. This also acts as a high frequency isolator providing an improvement in `noise' attenuation over the type `X' mounting.



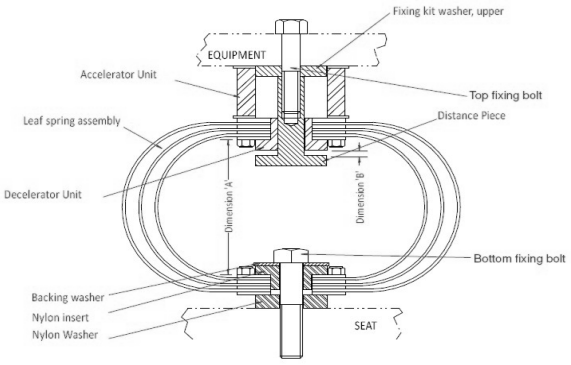
SECTION S - S

TYPE Y-MOUNT SHOCK ISOLATORS

PART No.	NOM. LOAD (kg)	LOAD RANGE (kg)	DIMENSIONS (mm)						BOLT SIZE F	BOLT SIZE G	WT EACH (kg)	STIFFNESS (N/mm)		
			A	B	C		D	E				VERTICAL	LATERAL	
					LOADED	FREE						kz	kx	ky
Y.010	10	9 - 18	203	51	124	134	22.7	39.75	M8	M8	0.95	11	5	14
Y.020	20	18 - 25					23.7	42.3			1.22	20	10	19
Y.045	45	35 - 55	216	51	151	166	24.4	56.6	M12	M10	1.55	32	15	23
Y.070	70	55 - 75					26	57.65			1.72	46	23	35
Y.110	110	90 - 125					27.4	59			1.89	82	25	46
Y.180	180	135 - 250	297	102	219	228	40.5	77.1	M20	M16	8.97	215	63	141
Y.320	320	250 - 380			214		42.5	78.85			8.97	260	80	160
Y.450	450	380 - 500					44.6	80.7			9.87	315	109	210



Fixing Kit 1



Fixing Kit 2

Application Notes

- We recommend that all fixings bolts used are high tensile Grade 8.8 or higher.
- +/-2.5 mm allowable tolerance on dimension `C' free height
- Optimum system stiffness characteristics can be achieved by careful orientation of individual isolators.
- All connections to and from isolated equipment must include flexible lengths, not only to prevent transmission of vibration through the connections and allow freedom of movement, but also to avoid possible failure of the connections.

For full instructions please refer to our data sheet DS113.

For more detailed information and technical assistance please contact our Technical Department.

In the interests of continual development, the Company reserve the right to make modifications to these details without

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