TYPE 'X'

Mount



DESCRIPTION

The Type 'X' mount from Defence Dynamics employs two or more leaf springs used in opposing pairs to form an elliptical leaf spring assembly. The spaces between the leaves are filled with a specially developed damping compound.

There are eight standard sizes of 'X' mount giving a load range of between 9 and 550 kg. These sizes are divided into three sub-groups based on their dimensions, with groups one and two being 51 mm (2") wide and group three being 102 mm (4") wide (G1 10 & 20 kg; G2 45 70 & 110 kg; G3 180 320 & 450 kg).

In addition to the standard range, the 6 kg range offers solutions for smaller loads.

Recommended Operating Temperature Range is 0°C to +40°C

APPLICATION

Approved by the MoD for Naval use these mounts were designed and developed primarily to protect delicate electronic equipment against shock. They are also used in submarines for suspension and elimination of noise in confined spaces. In addition, they are used in engineering applications throughout industry, giving protection against starting torques, overload surges etc.

The 'X' mount provides a space efficient shock mount design, which has unrivalled levels of damping. It also provides vibration isolation, not normally a feature of other shock mounts.

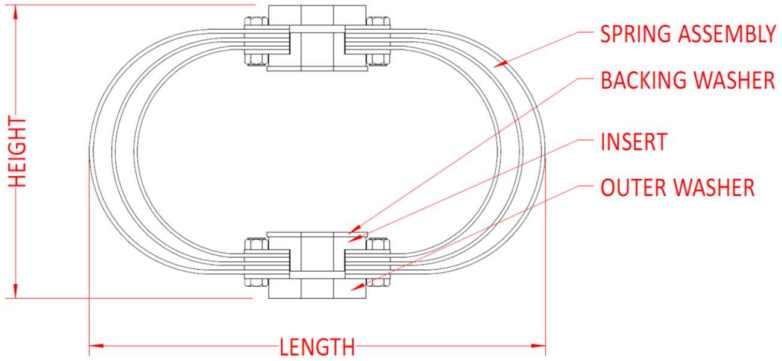
INSTALLATION

The Type 'X' mount can be installed in any orientation allowing equipment to be mounted to the deck, bulkhead, or deck head. Combinations can also be used where equipment geometry requires it e.g. equipment mounted to the deck and to the bulkhead.

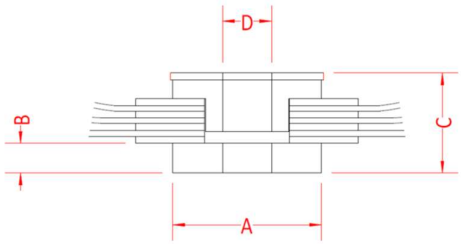
The 'X' mount uses a simple single bolt fixing method on each side of the mount which facilitates the installation of the equipment on board ship.

TYPE 'X'

Mount



Part Number	NATO Stock Number	Nominal Rating	Supported Mass Range	Dimensions, mm					Approx. Weight
		kg	kg	Height Loaded	Height Unloaded	Length	Width	Bolt Clearance	kg
14/900U	5340-99-923-5717	10	9 – 18	107	114	203	51	M8	0.68
14/901U	5340-99-923-5718	20	13 – 35	106	114	203	51	M8	0.8
14/902U	5340-99-923-5719	45	35 – 55	124	133	216	51	M12	1.02
14/903U	5340-99-923-5720	70	55 – 90	124	133	216	51	M12	1.13
14/904U	5340-99-923-5721	110	90 – 135	122	133	216	51	M12	1.25
14/905U	5340-99-520-8429	180	135 – 250	185	190	297	102	M20	5.9
14/906U	5340-99-520-8428	320	250 – 380	186	190	297	102	M20	6.58
14/907U	5340-99-520-8427	450	380 - 550	184	190	297	102	M20	7.26
Clydesdale Engineering 6 kg X Mount Range									
14/899U	5340-99-665-3921	6 A	3 – 6	73	82	134	25	M8	0.13
14/897U	Not allocated	6 B	3 – 6	75	82	134	25	M8	0.13
14/898U	5340-99-335-1954	6 S	5.4 – 10.8	107	114	203	30	M8	0.45



Rating	Dimensions, mm			
kg	A	B	C	D
6A, 6B	20	6	14.8	8.5
6S, 10, 20	31.8	9.5	21.5, 21.5, 22.5	9
45, 70, 110, 150	31.8	9.5	23.8, 24.8, 26.2, 26.8	13
180, 320, 450	63.5	12.7	39, 41, 43	21