

Vibro-AMR.wm

RESTRAINED ANTI-VIBRATION SPRING MOUNTS DAMPED WIRE MESH



Description

Vibro - AMR .wm is an anti-vibration spring mount, with multi directional restraint, with relative limit stops and internal stainless steel wire mesh cushion. The metal plate are protected from oxidation with polyester powder paint. On the bottom it can be fixed with the use of M8 pass -through bolts. On the upper part is an M8 bolt in order to be fixed to the machinery. Within the inside diameter of the coil spring there is a resilient cushion knitted stainless steel wire mesh which increases the damping factor and limits the amplification at the natural frequency .

Applications

Vibro-AMR.wm can be used for low frequency vibration control (low speed rotation 400 rpm upwards) that also require lateral and vertical restraint and protection from earthquakes and excess wind pressure, such as air compressors, two-cycle engines, chillers, water coolers, air handling units.

It can be used for vibration isolation of mechanical equipment in military marine and avionics applications. Vibro-AMR.wm performs well in tough environments, and it is also resistant in normal liquids and dust.

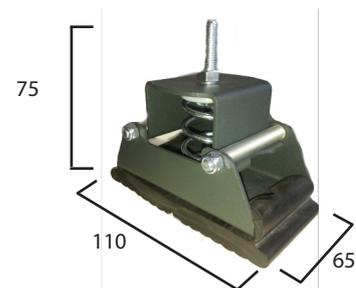
It is recommended to be used for mechanical Noise & Vibration isolation for:

- Vibrating equipment subjected to seismic events.
- Vibrating equipment with significant center of mass alternations.
- High wind loads or other external forces are applied.

Selection Table

TYPE	MAXIMUM LOAD (daN)
Vibro-AMR.wm 25	25
Vibro-AMR.wm 50	50
Vibro-AMR.wm100	100
Vibro-AMR.wm 150	150

Other load range available upon request



Operating Characteristics

Deflection 25 mm at maximum load
 Natural Frequency: 3 Hz at maximum load
 Operating temperature: -70 °C to 200 °C (upon request)
 Theoretical Vibration Attenuation up to 95%

Design and Production according to Quality Management System ISO 9001.2008 & Environmental Management System ISO 14001.2004