

New Elessa wire rope isolators, spring mounts and cushions



New Elessa ranges of stainless steel damping elements offer different designs for different jobs – [AVC wire rope isolators](#) are suitable for low-frequency damping with high deflections. Their function is to prevent damage to structures and preserve the correct operation of sensitive equipment while also reducing noise. The sister range of [AVM spring mounts](#) is excellent for low vibration with high deflections, while [AVF metal cushions](#) are compact for small spaces, higher frequencies and smaller deflections. Overall, these high-performance vibration dampers are used in compliance with safety regulations on vibration and noise (DL 81/2008). Stainless steel is chosen for many applications because it performs over a long lifespan with low-to-zero maintenance, and is unaffected by ageing as generally found in rubber isolators.

Elessa wire rope isolators are very high-performance shock absorber and vibration dampers that can be used in endless applications. Typically from oil exploration, radio equipment and generator sets, to blowers/fans, and other HVAC style installations. They are very useful because they maintain excellent isolation performance under maximum shock in severe environmental conditions, for example chemical pollution or extreme temperatures. Stainless steel wire rope isolators have a long service life and can adapt to elastic displacement in all dimensions. This allows multi-directional isolation, with installation in many different orientations, making them suitable for railway compressors, aviation and marine engineering as well as camera mounts on UAVs and robotic camera platforms.



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STANDARD MACHINE ELEMENTS WORLDWIDE

Ref: ELES3689 – wire rope isolators, spring mounts and cushions

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AVM spring mounts offer low-frequency damping at higher deflection rates, combined with the higher frequency damping of rubber end pads. They suit acoustic and motor mountings where a wider range of vibrations and larger deflections are likely also where wind loads or asymmetric movement patterns are experienced, such as in engine starting.

At the other end of the scale, AVF metal cushions provide a very compact solution to the needs of machine tool manufacturers. They are ideal for machine component mounting where space is at a premium but deflection is minimised – such as in electronics equipment or isolation of exhaust systems. These wire mesh vibration dampers can be used for pass-through mounting or with an inset machine screw for component retention.

Further information regarding Elesa products may be found at: www.elesa.com.



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