

Wire Rope Mounts

High Frequency Radial Wire Rope Mounts

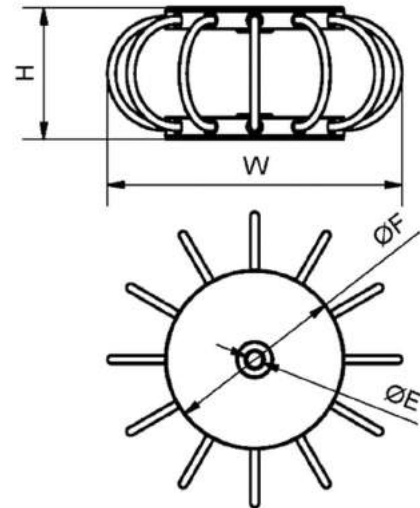
Highly effective wire rope mounts are used for shock and vibration applications and have the following key features:

- Multi-directional & compact
- Highly reliable and long life with very low aging
- Non-magnetic
- Low transmissibility at resonance (lower than 3)
- Temperature range: -40°C to 80°C
- Naturally high damping rates (compared to elastomers)
- Uniform lateral (shear) properties in each direction

Typically used on speakers, lab instruments, cameras, vehicles (incl. drones), fragile equipment.

Materials:

- Stainless steel (316) cables and inserts
- Aluminium discs
- CR (Neoprene) pads



Product	Static Loads (daN)		Stiffness (N/mm)*	Deflection at load		Isolation at max load		Dimensions (mm)				Product Weight (Kg)
	Min	Max		Min	Max	25Hz	50 Hz	F (Dia)	H	W	E (Dia)	
V-AVAUHF-20	0.25	1.8	6.6	0.1	2.2	75%	90%+	54.5	40	79	M6	0.07
V-AVAUHF-25	1	3.6	13	0.2	2.4	75%	90%+					0.08
V-AVAUHF-30	3	6.7	38	0.2	1.2	50%	90%	74.5	40	94	M8	0.15
V-AVAUHF-40	6	19	96	0.3	2.8	75%	90%+	74.5	40	100	M8	0.19

* Note: Axial Vibration stiffness is measured with peak sinusoidal input of 1mm (+/-20% tolerance)

These mounts are typically used on higher frequency applications, as seen by the low deflections when loads are low.

Notes:

1. The suggested loads are for axial (compressive) loading.
2. Results generated in ideal conditions may not be representative of those given in other applications or throughout the product's lifetime. Therefore, customers should conduct their own tests.
3. As with all passive AV mounts, a risk of resonance exists at low frequencies and low loads.
 - a. 0.8mm deflection is required to start attenuating 25Hz
 - b. 0.2mm deflection is required to start attenuating 50Hz