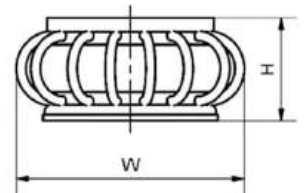
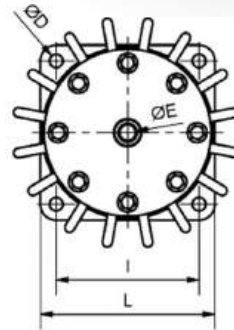


Radial Wire Rope Mounts – please ask for selection advice.

Highly effective shock & vibration mounts, key features include:

- Conforms to the strictest military standard requirements for performance and resistance to environmental agents.
- Optimised to satisfy MIL-STD-901 D
- Vibration: Natural frequency of 15 – 20Hz
- Shock: Response frequency of 11 – 14 Hz
- Multi-directional, compact and non-magnetic
- Highly reliable and long life with very low aging (for military applications normally replaced after major shock events)
- Low transmissibility at resonance (lower than 3)
- Temperature range: -100°C to 260°C
- Naturally high damping rates (compared to elastomers)
- Uniform lateral (shear) properties in each direction



Materials:

- Stainless steel (316) cables and inserts (*some models use 304)
- Aluminium discs (6061-T6) with SURTEC 650

Product	Dimensions (mm)						Product Weight (Kg)
	H	W	L	I	D (Dia)	E (Dia)	
V-AVAU-65-33 (703)	33	65	55	42	6.5	M6	0.12
V-AVAU-70-33 (8S 703)*	33	70	54	42	6.5	M6	0.25
V-AVAU-78-37 (703)*	37	78	60	48	6.5	M8	0.29
V-AVAU-74-41 (704)*	41	74	60	48	6.5	M8	0.34
V-AVAU-77-41 (705)*	41	77	60	48	6.5	M8	0.4
V-AVAU-92-43 (703)	43	92	70	58	6.5	M8	0.23
V-AVAU-93-45 (704)	45	93	70	58	6.5	M8	0.27
V-AVAU-95-46 (705)	46	95	70	58	6.5	M8	0.32
V-AVAU-102-50 (703)**	50	102	77	62	6.5	M8	0.25
V-AVAU-98-48 (704)**	48	98	77	62	6.5	M8	0.29
V-AVAU-99-49 (705)**	49	99	77	62	6.5	M8	0.32
V-AVAU-99-49 (706)**	49	99	77	62	6.5	M8	0.32
V-AVAU-118-54 (704)**	54	118	91	75	6.5	M10	0.4
V-AVAU-121-54 (705)**	54	121	91	75	6.5	M10	0.45
V-AVAU-119-56 (706)**	56	119	91	75	6.5	M10	0.49
V-AVAU-121-63 (707)**	63	121	91	75	6.5	M10	0.63
V-AVAU-143-65 (706)**	65	143	110	90	8.5	M12	0.82
V-AVAU-145-70 (707)**	70	145	110	90	8.5	M12	0.98
V-AVAU-146-70 (708)**	70	146	110	90	8.5	M12	1.2
V-AVAU-170-75 (708)**	75	170	125	105	10.5	M14	1.4
V-AVAU-169-84 (7010)**	84	169	125	105	10.5	M14	1.7

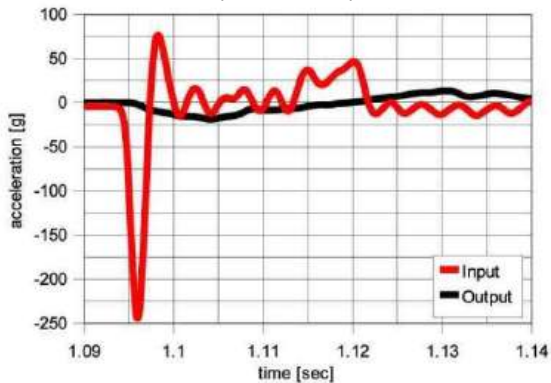
* Stainless steel 304 used instead of 316

** Also available with a through hole rather than a thread (dimension E). Please contact us if this is required.

The numbers in brackets are important as they specify the wire rope used.

Radial Wire Rope Mounts (cont'd)

Example Shock Response



In this example shock response graph (right), a significant difference can be seen between the input and the relatively smooth output of the shock.

- The Input is the shock loaded externally on the system.
- The output is the experience of the protected equipment.

Model selection is for reference only, please contact us with any enquiries if required.

These tables are valid for mounting in shear (wall mounting) or compression (base mounting) or both. The loads are per mount and assume shock loading in line with the weight of the isolated equipment (vertical).

Shocks with instantaneous variation of velocity:

- Less than, or equal to 1.5m/s. Broadly speaking, this is considered a commercial grade of shock. For example:
 - 30g x 11ms triangular pulse
 - 40g x 6ms semi-sinusoidal pulse
- 2.0m/s. Broadly speaking, this is considered a heavy commercial grade of shock or light military grade. For example:
 - 40g x 11ms triangular pulse
 - 60g x 6ms semi-sinusoidal pulse
 - 30g x 11ms semi-sinusoidal pulse
- 3.0m/s. Broadly speaking, this is considered heavy military grade. For example:
 - 60g x 11ms triangular pulse
 - 100g x 6ms triangular pulse
 - 50g x 11ms semi-sinusoidal pulse

1.5 m/s Input	Load (Kg)	
Suggested Product	Min	Max
V-AVAU-93-45 (704)	1	5
V-AVAU-98-48 (704)	5	15
V-AVAU-99-49 (705)	15	30
V-AVAU-99-49 (706)	30	50
V-AVAU-121-63 (707)	50	65
V-AVAU-145-70 (707)	65	80
V-AVAU-146-70 (708)	80	100

2.0 m/s Input	Load (Kg)	
Suggested Product	Min	Max
V-AVAU-92-43 (703)	1	3
V-AVAU-98-48 (704)	3	6
V-AVAU-99-49 (705)	6	11
V-AVAU-119-56 (706)	11	18
V-AVAU-121-63 (707)	18	23
V-AVAU-143-65 (706)	23	28
V-AVAU-145-70 (707)	28	38
V-AVAU-146-70 (708)	38	55
V-AVAU-170-75 (708)	55	80
V-AVAU-169-84 (7010)	80	100

3.0 m/s Input	Load (Kg)	
Suggested Product	Min	Max
V-AVAU-118-54 (704)	1	3
V-AVAU-121-54 (705)	3	6
V-AVAU-119-56 (706)	6	9
V-AVAU-121-63 (707)	9	15
V-AVAU-143-65 (706)	15	19
V-AVAU-145-70 (707)	19	25
V-AVAU-146-70 (708)	25	32
V-AVAU-170-75 (708)	32	50
V-AVAU-169-84 (7010)	50	75