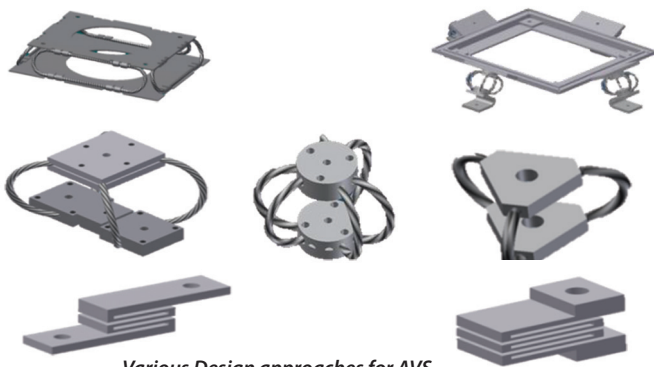


Vibration Management Solutions

Manages motion-Minimizes vibration, shock and noise

- Developed by Space Applications Centre, ISRO, Ahmedabad.
- Delicate electronic and optical systems which are vulnerable to vibration and shock can be protected from these.
- This Vibration Management Solutions (SVMS) solves vibration and shock difficulties during transportation on ground and space.
- SVMS systems are based on wire rope mounts that provide inherent damping by virtue of relative motion between wire strands.
- Wire rope isolators usually can accommodate large deflections without the danger of bottoming and plastically deforming, hence offers a wide range of isolation to a variety of applications.



SVMS Types

- SVMS Quad-Fed
- SVMS Tri-Fed
- SVMS Hex-Fed
- SVMS Platform

Salient features

- All metal construction
- High inherent damping
- Wide Temperature Range – 100-200°C
- Maintenance Free
- Corrosion Resistant
- Multidofs

Potential Application Areas

- Space Missions Payload Systems and instruments
- Delicate systems Suspension in planetary Landers
- Air / Road / Sea Transportation
- Foundation of Equipment
- Chemical Processing Equipment
- Seismic isolation

TECHNICAL SPECIFICATIONS

Type	Supported mass(Gm)	frequency range(hz)
SVMS Quad-Fed	400-3000	5-2000*
SVMS Tri-Fed	<18	
SVMS Hex-Fed	<65	20-2000
SVMS Platform	<240	