



MILITARY  
COMMUNICATION  
SYSTEMS

# **SHOCK / VIBRATION**

ABSORBING EQUIPMENT MOUNTS



**SHOCK MOUNTS**

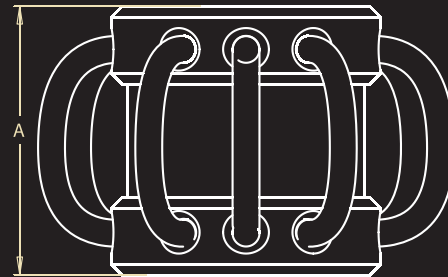
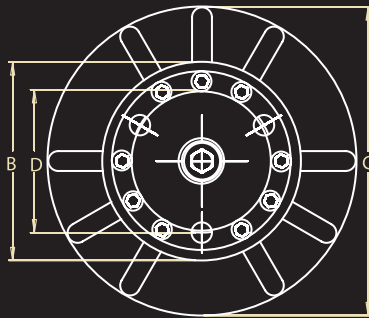
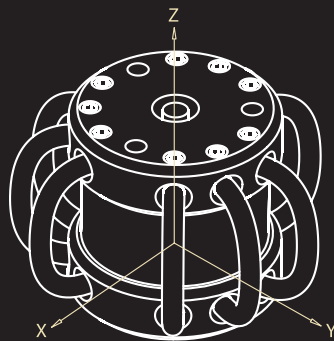
GUARANTEE OPTIMUM PERFORMANCE

**SM-S-30 / SM-M-70**

# SHOCK / VIBRATION ABSORBING EQUIPMENT MOUNTS

Sat-Com's uniquely designed shock and vibration absorbing mounts combine a spring and damper system into one compact solution. By using cutting edge Visco-Elastic Polymers we eliminate the mechanical complexity of traditional oil-filled shock-absorbers. This novel design offers three dimensional energy absorption and displacement limiting, resulting in the best possible base motion isolation. Custom tailored mounts are available guaranteeing optimum performance for any application. Your "bad-vibrations" need our professional damping solutions.

## TECHNICAL DATA



MODEL		SM-S-30	SM-M-70	
<b>Mechanical Properties</b>				Units
Maximum Load	z	15	75	kg
Linearised Spring Constant	z	0.25	19.2	kN/m
	x/y	0.1	8	kN/m
Maximum Displacement	z	10	15	mm
	x/y	18	20	mm
Optimum Displacement Transmissibility achievable <sup>1</sup>		0.2	0.2	
Maximum Displacement Transmissibility at Frequency Ratio F/Fn=1		2.5	2.5	
<b>Material Properties of Visco-Elastic Polymer</b>				
Optimum Performance Temperature Range		-29 to +71		°C
Self Ignition Flammability		399		°C
Flash Ignition Flammability		299		°C
Glass Transition		-34.7		°C
Bacterial Resistance		No Growth		
Fungal Resistance		No Growth		
Heat Ageing		Stable		
Ultraviolet		Good		
<b>Dimensions / Weight</b>				
A		35	50	mm
B	diam	39	50	mm
C	diam	65	82	mm
D	PCD x 3	25	36	mm
Thread		M5	M6	Metric
Weight		80	230	g

1. Visco Elastic Polymer can be customised to achieve optimum performance for any application.
2. Specifications may change without prior notice. Please verify updated specifications on order.



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