



## Electro-Mechanical Telescopic Mast's



Our electro-mechanical mast's are revolutionary lead screw-drive telescoping mast's, that offers fully automated elevation solutions. These electro-mechanical mast are designed for communications, Military and surveillance applications. These electro-mechanical mast's are lightweight and allows internal or external mounting or shelter installations. These mast's can be built with durable alloyed aluminum tubes or high strength carbon fiber composite tube sections and can be meet environmental standards like JSS 55555, for operations in extreme conditions.

These masts can be driven by AC or DC Motors. Safety is controlled by an electronic control circuit connected to the electrical drive. In normal conditions end-travel limits of mast will be limited by limit switches fixed on the mast as well as by means of electrical drive software setting's for redundancy. In case of abnormal conditions, an electrical current limit stops the mast.

### Features:

- Mast can lock at any height without power for increased safety for personnel and payload
- Provides tight antenna pointing accuracy
- Optional height read-out & computer interface for mast operation
- Fast erecting and deployment capabilities
- Easy maintainability
- Heavy duty, capable of supporting head loads up to 250kg\*
- Integrated inside vehicle/Shelter or back-wall mounted
- Optional remote control capability
- Outstanding resistance to the most demanding environments



### ADDITIONAL INFORMATION

<b>Maximum Erected Height</b>	: 18 Meters
<b>Maximum Payload</b>	: 250 Kgs.
<b>Head Load Interface</b>	: Flange
<b>Sections</b>	: 4, 5, 6, 7, 8, 9, 10 & 11
<b>Mast Construction Material</b>	: Alloyed Aluminum tubes (or) Carbon fiber reinforced epoxy resin composite tubes
<b>Operational Wind Speed</b>	: 70 Kmph
<b>Survival Wind Speed</b>	: 110 Kmph
<b>Deflection (at operational wind speed)</b>	: $\pm 2^\circ$ (Aprox)
<b>Operational Temperature</b>	: - 10°C to +55°C

