



TELESCOPIC MASTS



TELESCOPIC MASTS

Type of actuation	Mechanical, Hydraulic, Pneumatic
Extended height	Up to 11,5 [m]
Nested height	1,5 [m]
Payload	Up to 1000 [kg]
Survival wind speed	Up to 200 [km/h]
Deployment wind speed	Up to 120 [km/h]
Erection time with power	≤ 6 [min]
Rotation accuracy (twist)	+/- 1 [°]
Power supply	400 VAC 230 VAC 28 VDC
Operative temperature	-32 [°C] / + 50 [°C] + 1120 [W/m ²]
Storage Temperature	-40 [°C] / + 71 [°C]
MTBF	Up to 34000 [h]
Main Standard	MIL-STD 810 MIL-STD 461 MIL-STD 1472 MIL-STD 1275
Certification	2006/42/CE 2014/30/UE 2014/35/UE
Paint	Paint option available for external surfaces, inner tubes will be black anodize or chromate

Systems designed for antenna deployment and positioning, complete with antenna support structures and cable management systems (zig-zag catenary or cable reel). Actuation can be electromechanical (ball screw or trapezoidal screw), hydraulic, or pneumatic. Manufactured in light alloy with treatments compliant with MIL-STD-810 environmental requirements; non-reflective surface treatments can be applied to the telescopic sections. Fully configurable according to required extension height and payload capacity, with no guy wires required.

Available configurations include:

- tilting capability for horizontal transport and vertical operation;
- fixed vertical installation systems;
- self-levelling systems.

Optional integration with rotating and leveling antenna interfaces. Continuously adjustable height and local or remote operation through operator interface or via standard communication protocols.

