



### Overview

- The MT100/ 4.5-1.5 is a push-up 4.5m (15 ft) composite telescopic mast designed to support headloads up to 6kg (13.2 lbs) \*
- Composite GRP tube material offers exceptional stiffness and lightweight.
- Self supporting design (no guying required) up to 50 km/h (31 mph)
- Unique bayonet mechanism for locking tubes into position. Lift tube, twist and drop into locked position. No complicated tube clamping mechanism.
- Fully extended height 4.5m (15 ft). Retracted height 1.4m (4 ft 7 ins).
- Suitable for elevating lighter top loads such as omnidirectional antennas, wire antennas, sensors and optronic equipment.
- Suitable for military and professional applications.
- Metal parts are plated and painted.
- Vehicle and shelter mounting brackets available.
- Tripod mounting assembly available. Manufactured from lightweight GRP composite material.

### Mechanical Specifications

Extended height	4.5 m (15 ft)
Retracted height	1.4 m (4 ft 7 ins)
Upper adaptor	40mm diameter spigot (1.57 ins)
Weight (mast only)	7 kg (15.4 lbs)
Maximum headload *	6 kg (13.2 lbs)
Number of sections	4
Material	Composite epoxy, GRP
Installation	Tripod or vehicle shelter
Colour	NATO green 24x5 (other colours available)
Temperature range (operational)	-30°C to +55°C (-22°F to 131°F)
Temperature range	-40°C to +70°C (-40°F to 158°F)

\* Typical values shown. Actual values will be subject to a combination of top load weight, top load area and pointing accuracy required.



Bayonet tube  
locking system



GRP composite  
tube sections



Optional tripod to support mast during deployment.  
Adjustable legs allow for deployment on uneven ground



Vehicle mounting brackets  
available