



BROADBAND PROPAGATION

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HEAVY DUTY TELESCOPIC MAST BP- MST-18-8

The BP-MST-18-8 is an 18m heavy duty, tactical telescopic mast of rugged GRP construction with a retracted height of 3.35m. Extension and retraction is controlled by a simple, manual winch and belt system of original design with external belts that allow immediate inspection and field repair.

During extension each mast section extends and locks in place at the correct ratio for the mast height. Giving the maximum available mast strength at any extended height without the need for individual collar locking, as is required with conventional pneumatic/ hydraulic masts. This ensures rapid mast extension.

The extension mechanism is easily and quickly inspected in its entirety, to check wear or field damage.

The mast can be set and locked at any height. Mast locking is positive and automatic. It can be supplied in vehicle, shelter, or stand-alone (field mount) configurations.

With a high maximum head load of 80 Kg the mast can support a wide range of antenna and multiple antenna configurations.

Light and Rugged with High Antenna Loading Capability

Simple, Self-contained, Low-Maintenance Manual Extension Mechanism

Easy Fast Visual inspection and Field - Repair and Replacement of Moving Parts

Mast Sections Extend Automatically and Simultaneously at the Correct Length Ratio Regardless of the Mast Extended Height

No Need for Individual Collar Locking as Mast Extends

Transparent to Radio Frequencies, No Antenna Field Distortions as With Metal Masts

Non Conductive and Fully Insulated Against Power Line Contact, Lightning Strikes or Static Build-Up





APPLICATIONS

In addition to its primary application as a temporary/ semi permanent mounting platform for a wide variety of antennas, the mast is also ideally suited for other commercial, industrial and research purposes such as lighting and surveillance camera mountings at drilling rig and construction sites and large outdoor public venues, weather and atmospheric data monitoring and collection or any other application that requires the mounting of equipment at height.

SPECIFICATIONS

Max Deployed Height: 18.0 m
 Retracted Height: 3.35 m
 Max Head Load: 80 Kg at 18m
 Payload Sail Area: 1.2 sq.m
 No. of Sections: 8
 Base Section Diameter: 220mm

Guying Levels:
 Max. Height /Head Load: 3 Levels
 Lower Heights /Head Load: 0-2 levels

Antenna to Mast Interfaces:
 Top Section Diam. external: 100mm
 Top Section Diam. internal: 90mm
 Adaptors for any type of antenna mounting are available.

Max Wind Speeds:
 Erection Phase: 25 Km/H
 Operational Phase: 120 Km/H
 Survival Wind Speed: 160 Km/H

Raising Lowering Time: 10 Minutes Max.
 Mast Leveling System: Dual Bubble Level

Weight: 85 Kilograms
 Color: NATO Green (fiber integrated)



Options: Available in other heights and load ratings
 Vehicle, shelter or stand-alone mounting kits