

GENERAL DESCRIPTION

The MV-10/FL mast is a 10m mast, manpack transportable. Made of dielectric material, this mast is particularly adapted for supporting wire HF antennas such as manpack dipole, wire monopole... Its weight makes it the perfect mast for special operations forces.

CONSTRUCTION

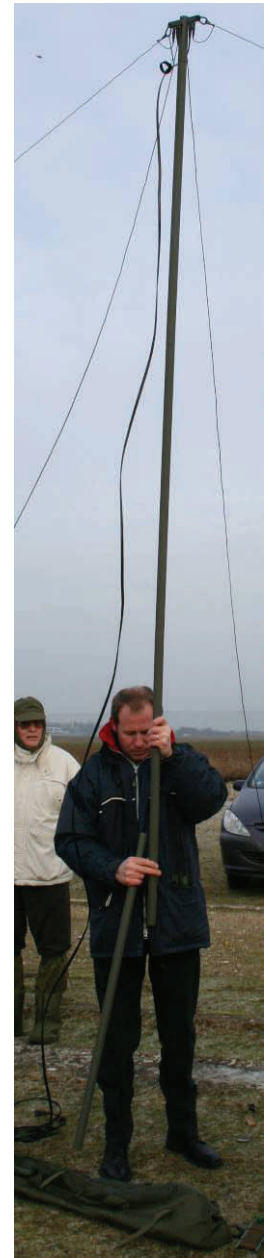
Tubes are made of high quality composite material (glass-fibres reinforced Epoxy resin), manufactured using the Filament Winding process for better mechanical resistance.

The mast is painted NATO green IR 24x5.

All metallic parts are protected against corrosion. All non-painted metallic parts are black.

TECHNICAL SPECIFICATION

Deployed Height	10 m
Packed height	1.1 m
Bag Dimensions	1100 x 150 x 150 mm
Total Weight	11.5 kg
Mast section length	1.1 m
Mast section weight	550 g
Mast Section Diameter	31 mm
Tip Diameter	25.5 mm
Guy Radius	10 m
Max wind speed (deployment)	40 km/h
Max wind speed (survival)	120 km/h
Max Temperature (operation)	-40°C to +70°C
Max Temperature (storage)	-35°C to +55°C



INSTALLATION

The mast is vertically lifted by one person in less than 10 minutes.

The operator assembles the base plate and the top guy collar (the one with return pulley). He unreels the three top guy cables, drives in the three stakes at 120° around the mast and at 10m distance, and connects the three cables to the stakes.

Then the operator sleeves 5 mast sections pushing up the mast. He connects the second guy level to the lower guy collar, and finishes pushing up the remaining mast sections.

Finally he stretches the guy cables to adjust mast verticality.

KIT CONTENTS



The mast is provided with a light transport bag.

OPTION: WIRE ANTENNA

Comrod has developed a new generation of wire antennas for manpack radios. Please contact our sales department for more information.

