

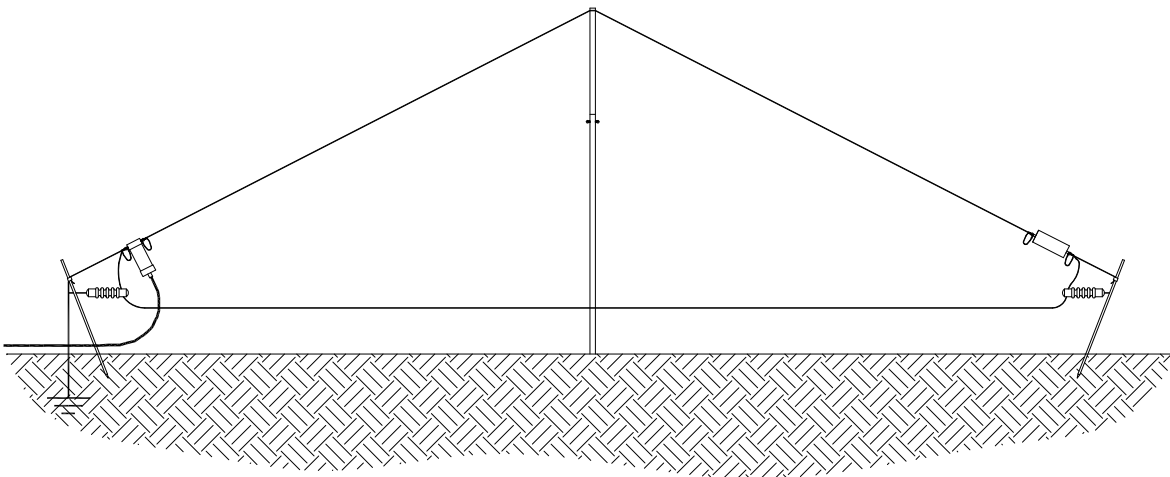
World's Leading Manufacturer Of Fibreglass Whip Antennas



SPECIALISTS FOR HIGH FREQUENCY

VD-99-00182-1
SLOPING VEE ANTENNA
VD-11-00172-1
OPTIONAL MAST KIT

NSN: 5985-21-895-5483 (APPLIES TO ANTENNA ONLY)



FEATURES :

- DESIGNED FOR USE IN THE 1.8 - 30 MHz BAND
- LOW VSWR AND 1kW MAXIMUM POWER CAPABILITY
- REQUIRES NO EXTERNAL TUNING
- LIGHTWEIGHT AND COMPACT FOR STORAGE
- RUGGED, WEATHER-PROOF DESIGN
- VERSATILE, MANY AVAILABLE INSTALLATION CONFIGURATIONS ARE QUICK AND EASY

QUICK REFERENCE DATA

VALCOM SLOPING VEE ANTENNA AND OPTIONAL MAST KIT

THE VALCOM SLOPING VEE ANTENNA GETS ITS NAME FROM THE METHOD IN WHICH IT IS GENERALLY INSTALLED; IN AN INVERTED 'V' FASHION. THE FEED-POINT IS LOCATED AT ONE END OF THE ANTENNA WIRE, WHILE THE OTHER END HOSTS A BALANCING NETWORK. THIS ARRANGMENT PROVIDES MAXIMUM COVERAGE OVER THE BROADBAND RANGE OF 1.8 MHZ TO 30 MHZ. THE ANTENNA IS DESIGNED TO HANDLE AN AVERAGE POWER OF 1000 WATTS AS WELL AS OPERATE WITH TRANSMIT/RECEIVE EQUIPMENT REQUIRING A 50 OHM ANTENNA. THE ANTENNA COMES READY TO USE RIGHT FROM THE PACKAGE WITH NO TUNING OR SETTINGS REQUIRED TO BE MADE PRIOR TO USE.

WHEN INSTALLED WITH VALCOM'S OPTIONAL MAST KIT (VD-11-00172-1), VERY LITTLE IS REQUIRED TO SET-UP THE ANTENNA. THE MAST KIT IS COMPRISED OF A STURDY, NON-CONDUCTIVE, SECTIONALIZED MAST, 3 SUPPORT RODS (DOUBLING AS GROUND RODS), INSULATORS, STAKES, GUY ROPES AND A HAMMER, ALL CONTAINED WITHIN A RUGGED DUFFLE BAG THAT FITS THE ANTENNA COMPONENTS AS WELL. THE GROUND SPACE REQUIRED FOR INSTALLATION IS ABOUT 100 FEET BY 50 FEET. THE ANTENNA WITH MAST KIT CAN BE ASSEMBLED BY A SINGLE PERSON, IN ABOUT 20 MINUTES.

ELECTRICAL CHARACTERISTICS

FREQUENCY RANGE	1.8 - 30 MHz
POWER RATING	500 W Average, 1 kW Peak
POLARIZATION	Horizontal and Vertical simultaneously *
RADIATION PATTERN, AZIMUTH	Slightly Bi-directional
IMPEDANCE	50 ohms (nominal)
VSWR	< 1.8 : 1
FEEDPOINT CONNECTOR	Female N-Type

* Depends on angle of installation

MECHANICAL CHARACTERISTICS (when used with optional mast kit)

ASSEMBLED HEIGHT	25 ft (7.6 m)
ASSEMBLED DIMENSIONS	105 ft x 50 ft x 25 ft (32 m x 15.2 m x 7.6 m)
WEIGHT ANTENNA+MAST	43 lbs (19.5 kg)
ANTENNA ALONE	5 lbs (2.3 kg)
ERECTION TIME	20 minutes
VOLUME (STORED) ANTENNA+MAST	3.4 cubic ft (0.10 cubic m)
ANTENNA ALONE	0.5 cubic ft (0.0135 cubic m)

