

HFp Dipole Antenna

40/30M Extension

User's Guide

The HFp Dipole, in its standard configuration, can only go down to 20 Meters. This is because, on lower bands, the weight of the dipole halves is such that the elements cannot be self-supporting. The 30/40Meter option for the HFp Dipole consists of the extra parts necessary to extend and support the Dipole on these lower bands.

The parts included in the 30/40 Meter extension include:

- 2ea – One-Stripe Elements
- 1ea – Three-Stripe Elements
- 5ea – IECs (Inter-Element Connector)
- 1ea – Gusset Pole
- 1ea – Set of 40M Gusset Guys, spooled

Configurations are as follows (each half of the Dipole):

30 M – 1Str - 3Str-in - 1Str - 1Str - Whip–1 Section

40 M – 3Str-out - 2Str-out - 1Str - 1Str - 1Str - Whip–3 Sections

Element 1 is always the inside element, attached to the center insulator.

The bottom Support Pole may be any pole with a 3/4" Acme thread, such as a painter's extension pole. This pole may be attached to a vertical support, or the entire antenna and pole may be free-standing, guyed by lines attached to the top stud on the Center insulator.

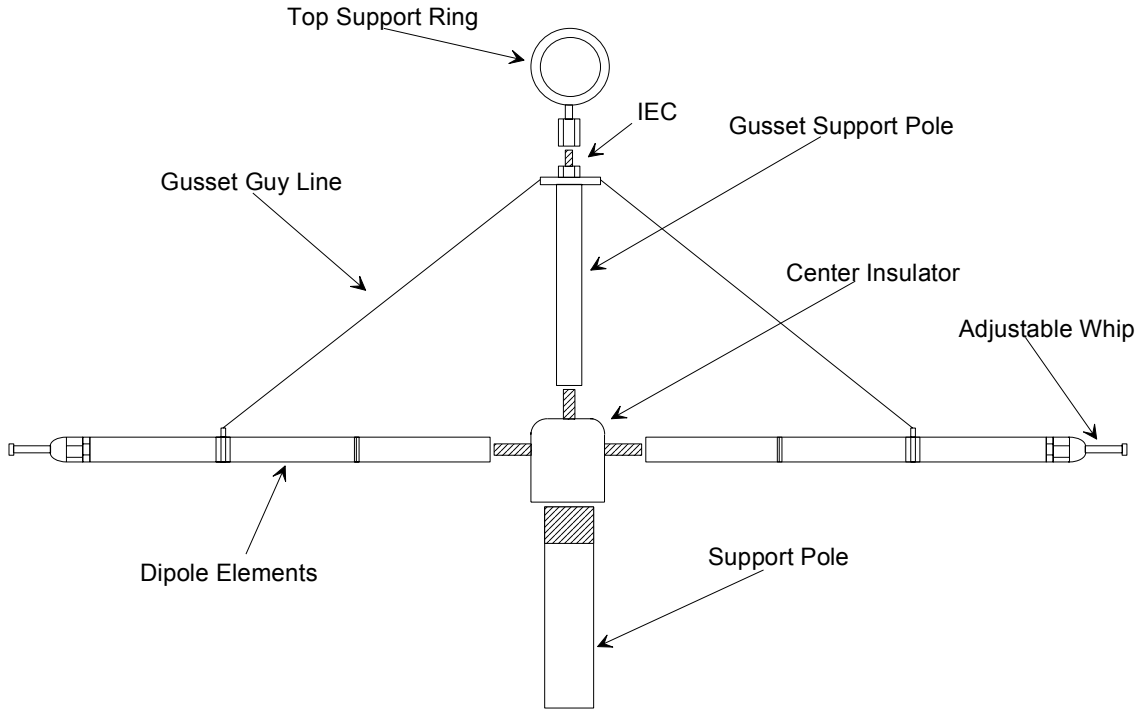
The Top Support Ring may be suspended by a rope or other light line from some overhead support. If the Dipole is mounted in this fashion, it will probably be desirable to attach a guy line to each end of the Dipole to prevent it from turning.

The Gusset Pole and 40M Gusset Guys **MUST** be used for Dipole configurations lower than 14 MHz. Without the additional support, the elements will droop excessively, and could be damaged.

Optional coils are available to allow the Dipole (with the 30/40M extension) to also be used on 60, 75 and 80 Meters. The Gusset Guys must also be used for these configurations.

It is not recommended that the Dipole in its 30M and below configurations be left up in any windy conditions. A light breeze will be no problem, but it is not designed to withstand strong winds.

HFp Dipole Support Systems for 30, 40, 60, 80 Meter Configurations



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