

THE BARLS LF DIPOLE DIMENSIONS FOR 40/80 MTRS

BAND & FREQUENCY	LENGTH EACH LEG	OVERALL LENGTH
40 Mtrs ~ 7.064	33' 2"	66 Foot 4 Inches
80 Mtrs ~ 3.764	62' 2"	124 Foot 4 Inches

Cut length of wire (Any Gauge) to 66 Foot 4 Inches, then cut exactly in half giving two lengths at 33' 2". Make a dipole connector using an electricians Joint Block or similar fed with 50 Ohm RG 58 or similar. Choose the desired center frequency on 40 Mtrs and prune to tune.

(Cut equal amounts from each end of dipole until the minimum VSWR is obtained or Maximum Forward Power with little or No Reflected Power).

Once satisfied with VSWR at the chosen frequency crimp a bayonet connector to each end of the dipole, having threaded end of dipole through a piece of plastic as shown.



NOW !

To extend dipole for use on 80 Mtrs add 29' 0" to each leg and again Prune to Tune.

(Cut equal amounts from each end of dipole until the minimum VSWR is obtained or Maximum Forward Power with little or No Reflected Power).

Once satisfied with VSWR at the chosen frequency crimp a ring connector to each end.

The ring at the dipole ends allows you to tie string to the ends of the dipole legs for tying off.

To finish off solder ALL crimped connectors and have great success. NO ATU Necessary