

## MI-15 Family of Standard Gain Dipoles



The MI-15 Family of Standard Gain Dipoles are precision gain standards for low-frequency antenna measurements. Three units cover the frequency range from 115 to 600 MHz. MI-15 Dipoles complement the MI-12 Family of Standard Gain Horns, forming a complete line of gain standards covering a frequency range from 115 MHz to 90 GHz.

MI-15 Standard Gain Dipoles have movable elements, so that element length can be adjusted to one-half wavelength at particular frequencies within their operating band.

An adjustable coaxial balun-impedance transformer is enclosed within the support mast. The adjustable balun and the dipole elements have etched frequency calibration marks. This eliminates the need for calibration charts.

When adjusted to the calibrated marks for a particular frequency setting, the dipole has the gain of a one-half wavelength dipole, 2.1 dB. MI-15 Dipoles are characterized by low VSWR and balanced operation when properly adjusted.

### Specifications

Model	Frequency Range (MHz)	Connector (female)	Impedance (ohms)	Maximum VSWR	Dimensions (inches)				Net Weight lbs. (kg)
					Maximum		Minimum		
					A	B	C	D	
15-115	115 - 200	Type N	50	1.2	50	28	44	32	5 (2.2)
15-200	200 - 350	Type N	50	1.2	29	16	28	22	3 (1.4)
15-350	350 - 600	Type N	50	1.2	17	9	19	14	2 (1)

### Ordering Information

When ordering a standard gain dipole, use the model numbers specified in the table located in the specification section.

### Options

Not Applicable

### Accessories

Not Applicable