BPC-30-90 BICONICAL DIPOLE, BROADBAND BASE ANTENNA

Designed for ground, or ground to air, omnidirectional communications, the BPC-30-90 is a broadband, 16 element (8 fan and 8 skirt elements) antenna, covering the VHF band 30-90 MHz. It is designed as a semi portable base station antenna with ¼ turn attachment of the elements to the hub and rapid mounting to mast or pole.

The hub is constructed of Acetal and anodised aluminium and the elements are UV stabilised fibreglass rods. A stainless steel stub mast is provided which attaches to the antenna. The stub mast is then clamped via supplied mounting clamps to any mast, pole or other structure with a diameter between 20-75 mm.

Specifications

- Frequency Range: 30-90 MHz
- Gain: 3-4dBi
- Polarisation: Vertical
- VSWR: Equal to or better than 2.5 :1
- Power Rating: 500 watts
- Input Connection: N type female
- Mounting: Mounts to 20-75mm shaft via 600 x 38 mm stub shaft
- Finish: Olive drab
- Assembled Height: 3.46 metres
- Assembled Width: 3.32 metres
- Shipping Weight: 14 kg
- Shipping Dimensions: 162 x 30 x 13 cm

Supplied with stub shaft and mounting Hardware.
VHF Biconical Dipole, Height 4 m over “average” ground

3D Plot @ 50 MHz

Vertical Plot @ 30-50 MHz

Vertical Plot @ 60-80 MHz