

## Section 2 Fixed Position

Y309-BB



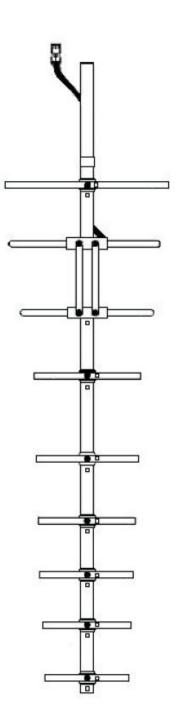
## Broadband VHF high band dual dipole Yagi Antenna

VHF high band 148-174 MHz

The Y309-BB broadband 9 element dual dipole Yagi antenna is custom manufactured to your specified 20 MHz within the VHF high band 148-174 MHz range.

Mounting clamps, coaxial feeder cable, connectors and other installation accessories are all available separately.

Construction	Anodised aluminium boom and elements, 304 stainless steel dual dipole and links, external coaxial cable and nickel plated N-female connector
Frequency range	148-174 MHz - VHF high band
Bandwidth	Any 20 MHz within frequency range - specify
Tuning	Factory
VSWR	<1.5:1 across specified 20 MHz bandwidth
Number of elements	9
Gain - nominal	9 dBd
Polarisation	Mount Horizontal or Vertical as required
Maximum power	250 Watts
Impedance	50 Ohms
H Plane	68°
E Plane	50°
Front-to-Back ratio	< 25 dB
Connector	N-type female fitted as standard or specify requirements - type 4.3-10 available
Cable	1.4m RG213 cable, rear exit from rear dipole assembly
Boom length	3.5 metres
Longest element	1.2 metres
Weight	7.4kg
Projected area	0.206m <sup>2</sup>
Wind load at 160kph	25.003kg ; 0.245kN
Strut kit - recommended order separate	YS1-23 single tension strut kit or YS2-23 dual tension strut kit with support bar
Mounting hardware order seperate	1 x Y2300 right-angle mount clamp, large capacity mount pole clamps available, see page 3 below







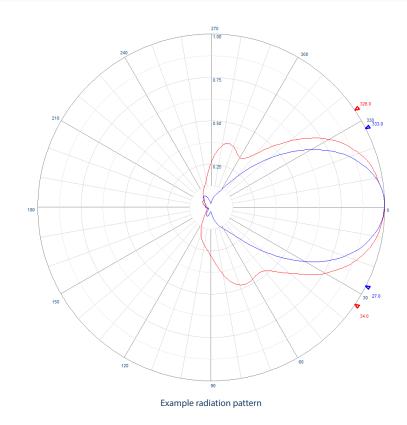


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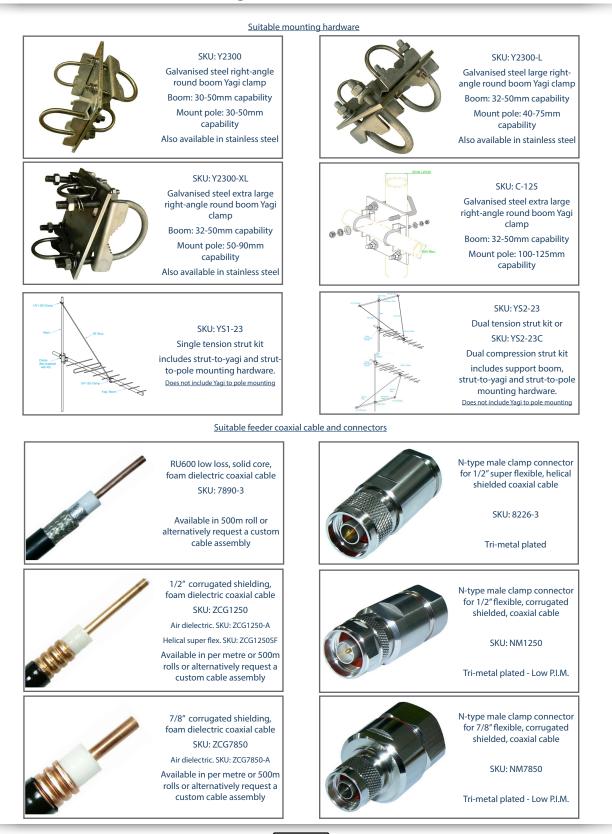


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#### Australian manufactured East Gippsland

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Year

anufactur Warranty

+61 3 5157 1203 www.zcg.com.au

Specifications are subject to change without prior notice



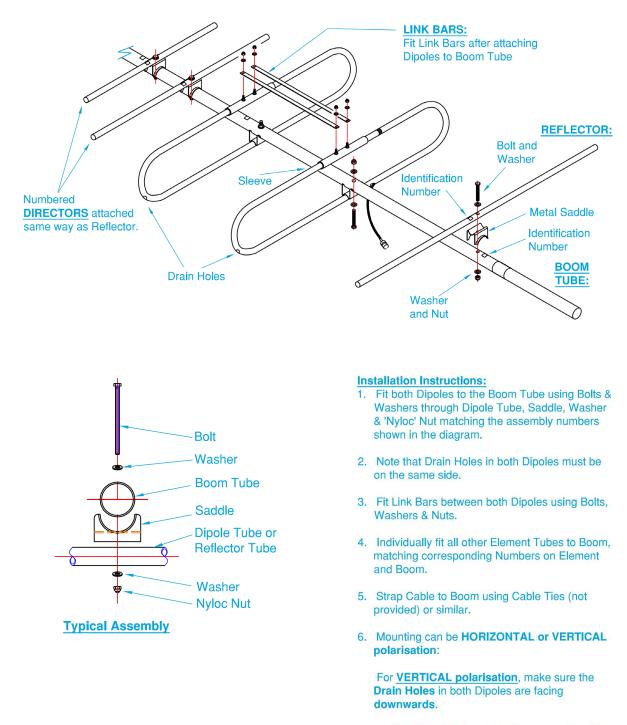


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For <u>HORIZONTAL polarisation</u>, mount the Yagi antenna with Cable entry slot downwards.

