

## Y100 Series

VHF 40-69MHz

Single Dipole Yagi's

The Y100 series Yagi's are specifically designed and manufactured for the VHF frequency range 40-69MHz.

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

Specifications	Y102	Y103	Y104	Y106
Construction	Aluminium, Y103 available in Stainless steel (304 grade)			
Frequency Range	40-69MHz			
Bandwidth	Any 2% (specify Transmit and Receive when ordering)			
Tuning	Factory	Factory	Factory	Factory
Return Loss, VSWR	<1.5:1 across specified bandwidth			
Number of Elements	2	3	4	6
Gain (nominal)	3 dBd	6 dBd	7.5 dBd	9 dBd
Polarisation	Mount <b>Horizontal</b> or <b>Vertical</b> as required			
Maximum Power	250 Watts	250 Watts	250 Watts	250 Watts
Impedance	50 Ohms	50 Ohms	50 Ohms	50 Ohms
H Plane at 3 dBd	135°	76°	62°	50°
E Plane at 3 dBd	70°	57°	54°	46°
Front-to-Back Ratio	15 dB	14 dB	14 dB	16 dB
Connector (fitted)	N-type female fitted to 1.5 metres RG213			
Boom Length at 40MHz	2.2 metres	3.4 metres	4.6 metres	6 metres
Longest Element	3.7 metres	3.7 metres	3.7 metres	3.7 metres
Weight	Alum	- 6Kg	- 8Kg	- 10Kg
	S/Steel	- N/A	- 10Kg	- N/A
Projected Area	0.31m <sup>2</sup>	0.47m <sup>2</sup>	0.60m <sup>2</sup>	0.80m <sup>2</sup>
Wind Load at 160kph	40Kg	60Kg	76Kg	106Kg
Strut Kit	YS1-100 or YS1-200 (order separately)			
Mounting Accessories (order separate)	1 x Y2300 for Aluminium or 1 x Y2300-SS for stainless steel			

