

Y100 Series

VHF 40-69MHz

Round boom Yagi's

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

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

Specifications	Y102	Y103	Y104	Y106	
Construction	Corrosion resistant aluminium, Y102 and Y103 available in 304 grade stainless steel				
Frequency range	VHF 40-69MHz				
Bandwidth	Specify any 2% or 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 horizontal or vertical 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 and cable	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 S/Steel	- 6Kg - N/A	- 8Kg - 10Kg	- 10Kg - N/A	- 12Kg - N/A
Projected area	0.31m ²	0.47m ²	0.60m ²	0.80m ²	
Wind load at 160kph	40Kg	60Kg	76Kg	106Kg	
Strut kit (recommended)	YS1-100 or YS1-200 - order separately				
Mounting hardware (order separate)	1 x Y2300 for aluminium or 1 x Y2300-SS for stainless steel				

