

Y300 Series

VHF 100-250MHz

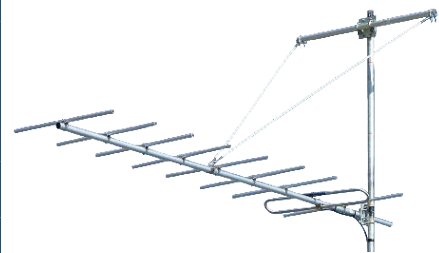
Round boom Yagi

The Y300 series yagi are specifically designed and manufactured for the VHF 100-250MHz frequency range.

For lower gain the Y302 or Y303 models are your ideal choice. Please consult the following page for more information.

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

Specifications	Y304	Y306	Y309
Construction	Aluminium, or add SS for 304 grade stainless steel		
Frequency range	VHF 100-250MHz		
Bandwidth	Any 4% (specify Transmit and Receive when ordering)		
Tuning	Factory	Factory	Factory
Return loss, VSWR	<1.5:1 across specified bandwidth		
Number of elements	4	6	9
Gain - nominal	7.5 dBd	9 dBd	11.5 dBd
Polarisation	Mount Horizontal or Vertical as required		
Maximum power	250 Watts	250 Watts	250 Watts
Impedance	50 Ohms	50 Ohms	50 Ohms
H Plane at 3 dBd	74°	50°	47°
E Plane at 3 dBd	54°	43°	41°
Front-to-back ratio	14 dB	16 dB	17 dB
Connector and cable	N-type female fitted to 1.4 metres RG213		
Boom length at 100MHz	2.2 metres	3 metres	4 metres
Longest element	1.3 metres	1.3 metres	1.3 metre
Weight	Alum - 2.6Kg S/Steel - 3.9Kg	Alum - 3Kg S/Steel - 4.5Kg	Alum - 5.5Kg S/Steel - 8.3Kg
Projected area	0.195m ²	0.230m ²	0.265m ²
Wind load at 160kph	23.9Kg	28Kg	32Kg
Strut kit (order separate)	YS1-23 (single) or YS2-23 (2-way)		
Mounting hardware (order separate)	1 x Y2300 for aluminium or 1 x Y2300SS for stainless steel		



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VHF 100-250MHz

Round boom Yagi

The Y302 and Y303 yagis are specifically designed and manufactured for the VHF 100-250MHz frequency range, these two models are the lower gain models in the Y300 series.

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

Specifications	Y302	Y303
Construction	Aluminium, or add SS for 304 grade stainless steel	
Frequency range	VHF 100-250MHz	
Bandwidth	Any 4% (specify Transmit and Receive when ordering)	
Tuning	Factory	Factory
Return loss, VSWR	<1.5:1 across specified bandwidth	
Number of elements	2	3
Gain - nominal	3 dBd	6 dBd
Polarisation	Mount Horizontal or Vertical as required	
Maximum power	250 Watts	250 Watts
Impedance	50 Ohms	50 Ohms
H Plane at 3 dBd	135°	76°
E Plane at 3 dBd	70°	57°
Front-to-back ratio	15 dB	14 dB
Connector and cable	N-type female fitted to 1.4 metres RG213	
Boom length at 100MHz	1.4 metres	1.8 metres
Longest element	1.3 metres	1.3 metre
Weight	Alum - 2Kg S/Steel - 3Kg	Alum - 2.4Kg S/Steel - 3.6Kg
Projected area	0.160m ²	0.170m ²
Wind load at 160kph	19Kg	21Kg
Strut kit (order separate)	YS1-23 (single) or YS2-23 (2-way)	
Mounting hardware (order separate)	1 x Y2300 for aluminium or 1 x Y2300-SS for stainless steel	

