

Jilð

To Order



Y300 Yagi Series

Scaled directional 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.

		Y304	Y306	Y309	
Construction			boom and element, alu ed termination, or add - less steel		
Frequency ra	nge		100-250 MHz - VHF		
Bandwidth		Any 4% or spec	ify Transmit and Receiv	e when ordering	
Tuning			Factory		-
VSWR		<1.5	:1 across specified band	lwidth	- Y304 - 4 element Yagi
Number of elements		4	6	9	_
Gain - nominal		7.5 dBd	9 dBd	11.5 dBd	-
Polarisation		Mount	horizontal or vertical as	required	-
Maximum po	ower		250 Watts		/
Impedance		50 Ohms			_
H Plane at 3dB		74°	50°	47°	
E Plane at 3dB		54°	43°	41°	- XXX X Y
Front-to-back ratio		14 dB	16 dB	17 dB	Y306 - 6 element Yagi
Connector ar	nd cable		e female fitted to 1.4 me exit from dipole assemb		
Boom length at 100 MHz		2.3 metres	3.55 metres	5.3 metres	_
Longest elem	nent		1.5 metres		
Weight	Aluminium Stainless steel	- 2.6kg - 3.9kg	- 3kg - 4.5kg	- 5.5kg - 8.3kg	
Projected area		0.145m ²	0.208m ²	0.296m ²	-Se-
Wind load at 160kph		0.172kN ; 17.586kg	0.247kN ; 25.162kg	0.351kN ; 35.853kg	- Store
Strut kit recommended Y304, Y306 & Y309 models		YS1-23 - single tensions, YS2-23 - dual tension or YS2-23C - dual compression, order separate			H
Mounting ha order separat			x Y2300 for aluminium Y2300-SS for stainless s		– Y309 - 9 element Yagi
Installation to	ools required		ners for element and di ape and uPVC tape for		-







Y300 Yagi Series

Scaled directional round boom Yagi



The Y302 and Y303 Yagi antenna are specifically designed and manufactured for the VHF 100-250 MHz 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.

		Y302	Y303	
Construction		Anodised aluminium boom and element, aluminium dipole RG213 cable and nickel plated termination, or add -SS for 304 grade stainless steel		
Frequency range		100-250 MHz - VHF		
Bandwidth		Any 4% or specify Transmit and Receive when ordering		
Tuning		Factory		
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		
Impedance		50 Ohms		
H Plane at 3dB		135°	76°	
E Plane at 3dB		70°	57°	
Front-to-back ratio		15 dB	14 dB	
Connector and cable		Nickel plated N-type female fitted to 1.4 metres RG213, rear exit from dipole assembly		
Boom length at 100 MHz		1.23 metres	1.82 metres	
Longest element		1.5 metres		
Weight	Aluminium Stainless steel	- 2kg - 3kg	- 2.4kg - 3.6kg	
Projected area		0.086m ²	0.100m ²	
Wind load at 160kph		0.102kN ; 10.444kg	0.119kN ; 12.157kg	
Strut kit recommended Y304, Y306 & Y309 models		YS1-23 - single tensions, YS2-23 - dual tension or YS2-23C - dual compression, order separate		
Mounting hardware order separate		1 x Y2300 for aluminium or 1 x Y2300-SS for stainless steel		
Installation tools required		10mm spanners for element and dipole securing Amalgamating tape and uPVC tape for connector sealing		



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Τo Order

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Specifications are subject to change without prior notice



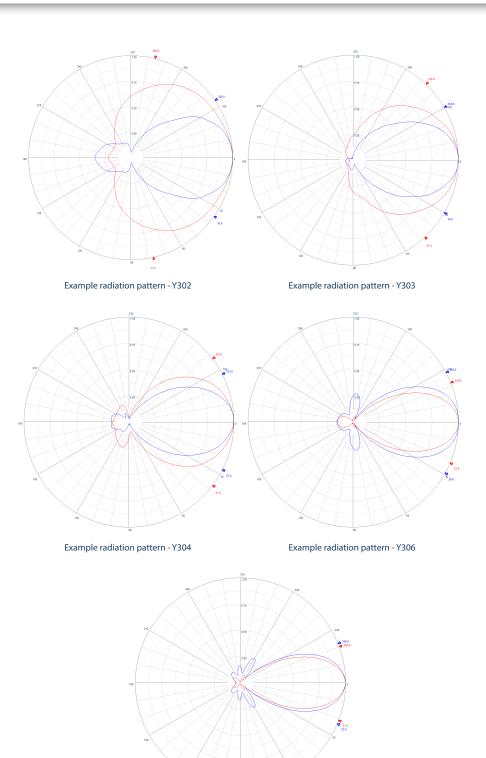
Australian manufactured East Gippsland

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VHF 100-250 MHz





Example radiation pattern - Y309

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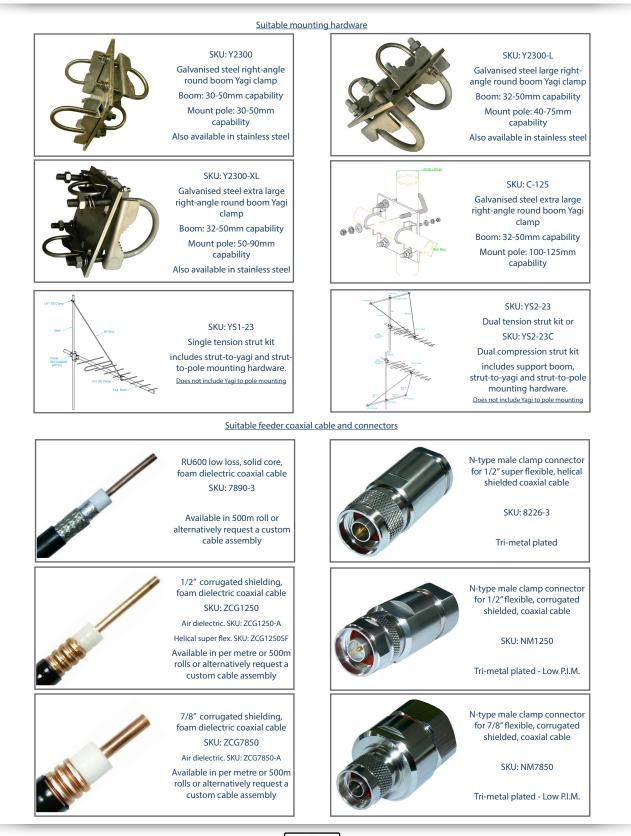


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Y300 Yagi Series Scaled directional round boom Yagi

VHF 100-250 MHz



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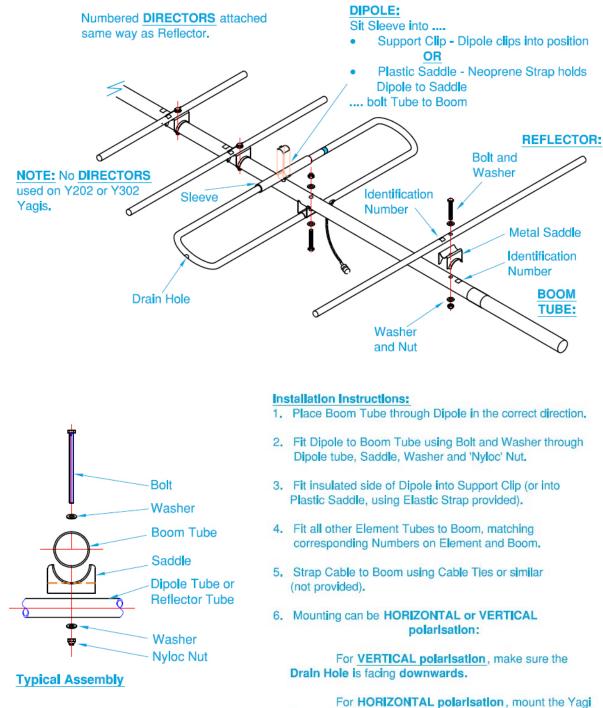
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Y300 Yagi Series



VHF 100-250 MHz





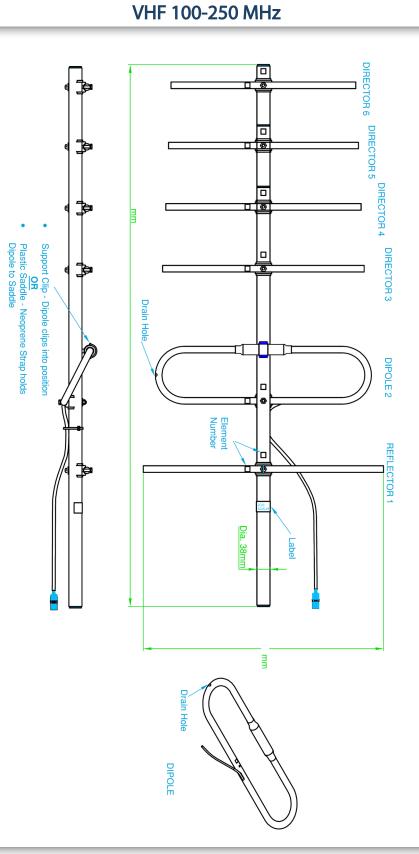


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