

## Y400 Series Yagi's

UHF 380-520MHz

Square Boom Fixed Frequency A, B, C, D and E

The Y400 series of directional square boom Yagi's are manufactured in "fixed frequency" models A, B, C, D, and E each tuned for optimum performance across a separate segment of the UHF range 380-520MHz.

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

Specifications	Y406	Y409	Y415
Fixed frequency models (select letter/frequency)	A = 380-400MHz B = 400-420MHz C = 420-450MHz D = 450-480MHz E = 480-520MHz		
Construction	Aluminium, or add SS for 304 stainless steel version		
Tuning	Factory	Factory	Factory
Return loss, VSWR	<1.5:1 across fixed bandwidth		
Number of elements	6	9	15
Gain - nominal	9 dBd	11.5 dBd	14 dBd
Polarisation	Mount <b>Horizontal</b> or <b>Vertical</b> as required		
Maximum power	150 Watts	150 Watts	150 Watts
Impedance	50 Ohms	50 Ohms	50 Ohms
H Plane at 3dB	50°	44°	37°
E Plane at 3dB	46°	36°	33°
Front-to-back ratio	17 dB	17 dB	17 dB
Connector and cable	N-type female fitted to 250mm RG59 cable tail (D series has 400mm RG59 cable tail)		
Boom length at 380MHz	1.2 metres	1.7 metres	2.5 metres
Longest element	400mm	400mm	400mm
Weight	Aluminium 0.7Kg Stainless steel 1.6Kg	1.0Kg 2.3Kg	1.3Kg 3Kg
Projected area	0.06m <sup>2</sup>	0.09m <sup>2</sup>	0.125m <sup>2</sup>
Wind load at 160kph	7Kg	9Kg	16Kg
Strut kit (order separately)	Not required	Not required	YS1-48 or YS2-48
Mounting hardware	1 x A48 for alum., 1 x S48 for S/Steel (order separately)		

