

## 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 Clamps, coaxial feeder cable, connectors and other installation accessories are all available separately.

Specifications	Y406	Y409	Y415	
Fixed Frequency Models (select letter when ordering)		A = 380-400MHz B = 400-420MHz C = 420-450MHz D = 450-480MHz E = 480-520MHz		
Construction	Aluminium, or add SS for 304 stainless steel			
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 (fitted)	N-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 Stainless steel	0.7Kg 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 Accessories	1 x A48 for alum., 1 x S48 for S/Steel (order separately)			

