



Y800-R Series

Round Boom Fixed Frequency Mobile phone improvement Yagi

UHF, ISM or lower 4G/3G 820-960 MHz



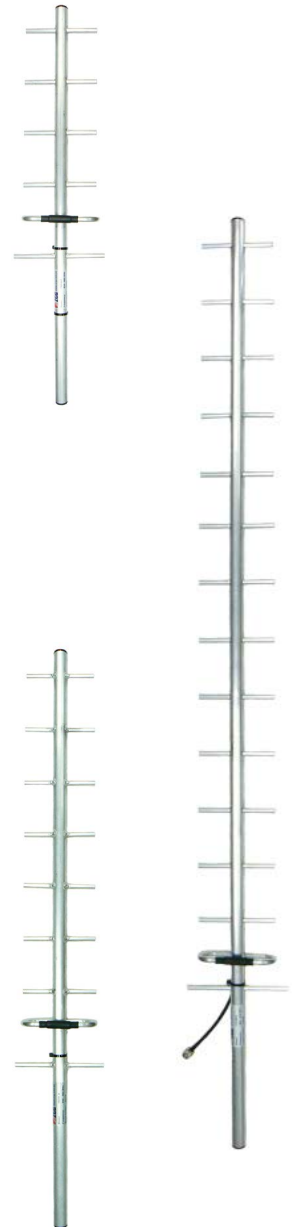
The ZCG Y800 series round boom Yagi's are a cost effective equivalent to ZCG's premium square boom Yagi's. Available in A, B and C models set to a segment of the UHF Mobile Phone range 820-960 MHz.

A round boom Yagi allows for flexible mounting on any plane with the ability to fix into an existing or new bracket.

ZCG's range of round boom Yagi's match or surpass all others on the market. Customisation available, contact ZCG for more information.



	Y806-R	Y809-R	Y815-R
Fixed frequency Models select letter/frequency	Y800A-R = 825-890 MHz Y800B-R = 870-930 MHz Y800C-R = 890-960 MHz *Some models are build to order, consults ZCG for more information*		
Construction	Fully-welded aluminium round boom, single dipole and external cable		
Tuning	Factory		
VSWR	<1.5:1 across fixed bandwidth		
Number of elements	6	9	15
Gain - nominal	9 dBd	11.5 dBd	14 dBd
Polarisation	Mount horizontal or vertical as required		
DC grounding	Yes		
Maximum power	50 Watts		
Impedance	50 Ohms		
H Plane - at centre	51°	42°	30°
E Plane - at centre	46°	34°	28°
Front-to-back ratio	>15 dB		
Connector	200mm RG59 cable tail with N-type female fitted as standard or specify requirements - connector only		
Boom length	0.8 metres	0.97 metres	1.85 metres
Longest element	210mm		
Weight	0.5kg	0.7kg	1kg
Projected area	0.035m ²	0.054m ²	0.075m ²
Wind load at 160kph	4.5kg	6.5kg	9.5kg
Mounting hardware order seperate	1 x RB8/RB8-L or 1 x A48-R		1 x RB8/RB8-L or A48-R 1 x strut kit recommended

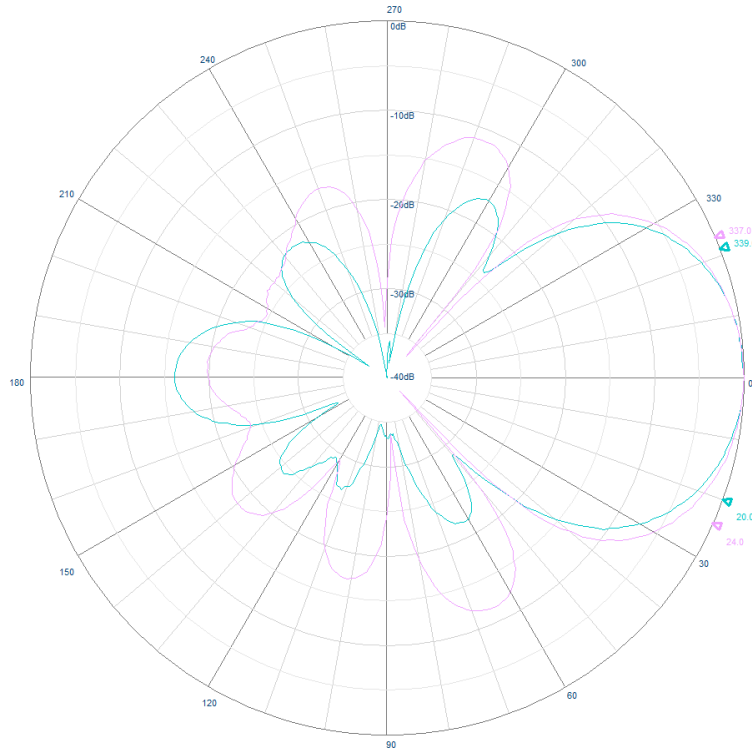




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Ready to
Ship
*Build to order
item



Example radiation pattern - Y806A-R




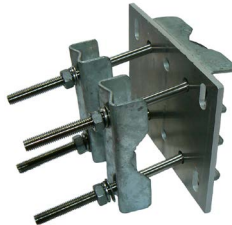
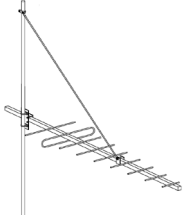
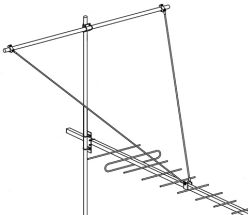


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Suitable mounting hardware

 <p>CFB series - Galvanised steel 'J' hockey stick brackets, 1.1 - 2.1 metres.</p> <p>Requires A-4266 series + 2 x EB1-SS or 1 x UB2-SS</p>	 <p>SFB Series - galvanised steel pole extension 0.9-2.0 metres Roof or overhang mounting</p> <p>Requires mounting screws/ bolts and mounting hardware for antenna</p>
 <p>A-2654-2 - Aluminium pole extension 1.1 metres includes pole mounting brackets.</p> <p>Requires A-4266 + 2 x EB1-SS or 1 x UB2-SS</p>	 <p>A48-R galvanised steel Right-angle for 25mm round 30-50mm mount pole</p>
 <p>YS1-48 For 9-15 element Yagi's Single tension strut support Includes Yagi and mount pole mounting hardware. Mount pole not supplied</p>	 <p>YS2-48 For 9-15 element Yagi's Dual tension strut support Includes Yagi clamp, support boom, pole mounting hardware. Mount pole not supplied</p>

Suitable feeder coaxial cable and connectors

 <p>RG213 MIL-SPEC, solid PE dielectric, stranded core coaxial cable</p> <p>P/N 7800</p> <p>Available in 100m, 300m roll or alternatively request a custom cable assembly</p>	 <p>N-type male crimp connector for MIL-SPEC RG213 coaxial cable</p> <p>P/N 7937</p> <p>Tri-metal plated</p>
 <p>RU400 Solid copper conductor, low loss coaxial cable CNT-400 / LMR-400™ equivalent (* times microwave)</p> <p>P/N 7890</p> <p>Available in 100m, 300m, 500m roll or alternatively request a custom cable assembly</p>	 <p>N-type male crimp connector for RU400 low loss, solid conductor</p> <p>P/N 8226</p> <p>Tri-metal plated</p>
 <p>1/2" corrugated shielding, foam dielectric coaxial cable</p> <p>P/N ZCG1250</p> <p>Available in per metre, 500m roll or alternatively request a custom cable assembly</p>	 <p>N-type male clamp connector for 1/2" flexible, corrugated shielded, coaxial cable</p> <p>P/N NM1250</p> <p>Tri-metal plated</p>