

## Y200 series

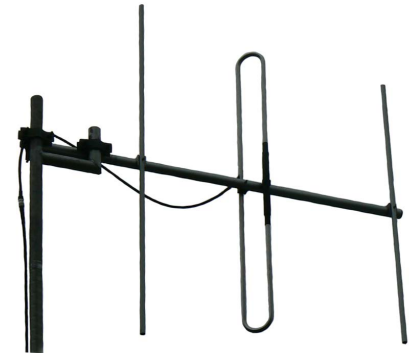
### Scaled directional 2-6 element round boom Yagi's

#### VHF 70-108 MHz

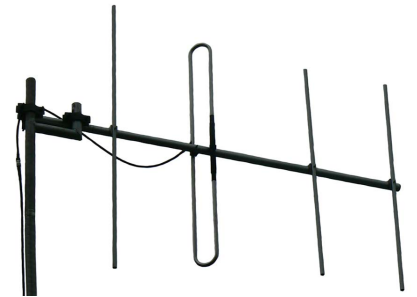
The Y200 series Yagi's are specifically designed and manufactured to cover the VHF frequency range 70-108 MHz.

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

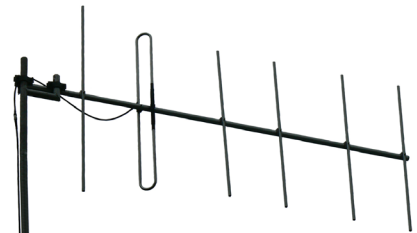
SKU	Y202	Y203	Y204	Y206	
Construction	All-anodised aluminium components, or add SS for 304 grade stainless steel				
Frequency range	70-108 MHz - VHF & FM radio				
Bandwidth	Specify any 4% or transmit and receive when ordering				
Tuning	Factory				
VSWR	<1.5:1 across specified bandwidth				
Number of elements	2	3	4	6	
Gain - nominal	3 dBd	6 dBd	7.5 dBd	9 dBd	
Polarisation	Mount horizontal or vertical as required				
Maximum power	250 Watts				
Impedance	50 Ohms				
H Plane at 3dB	135°	92°	62°	50°	
E Plane at 3dB	70°	60°	54°	46°	
Front-to-back ratio	15 dB	14 dB		16 dB	
Connector and cable	N-type female fitted to 1.4 metres RG213 cable, rear exit from dipole assembly				
Boom length at 70 MHz	1.8 metres	2.7 metres	3.5 metres	5 metres	
Longest element	2.2 metres				
Weight	Alum S/Steel	3.2kg 4.0kg	4.0kg 5.0kg	5.5kg 6.9kg	7.0kg 8.8kg
Projected area		0.098m <sup>2</sup>	0.132m <sup>2</sup>	0.174m <sup>2</sup>	0.34m <sup>2</sup>
Wind load at 160kph		0.117kN ; 11.930kg	0.156kN ; 15.939kg	0.207kN ; 21.132kg	0.279kN ; 28.421kg
Strut kit recommended For Y203, Y204 & Y206 models	Y51-23 - single tension or Y52-23 dual tension order separate				
Mounting hardware order separate	1 x Y2300, Y2300-L or Y2300-XL for aluminium or 1 x Y2300-SS, Y2300L-SS or Y2300XL-SS for stainless steel				
Installation tools required	10mm spanners for element and dipole securing onto boom				



Y203



Y204



Y206



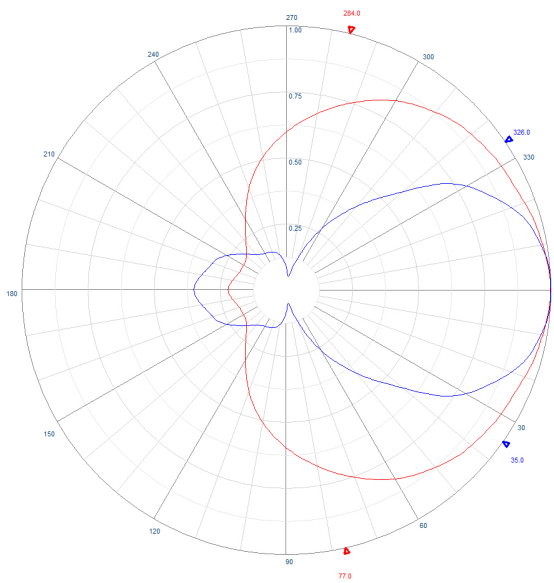
N-type female fitted as standard, or  
specify requirements



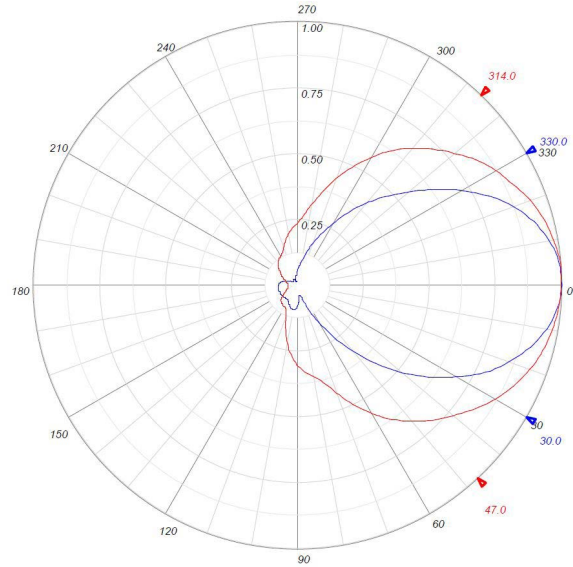
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### Scaled directional 2-6 element round boom Yagi's

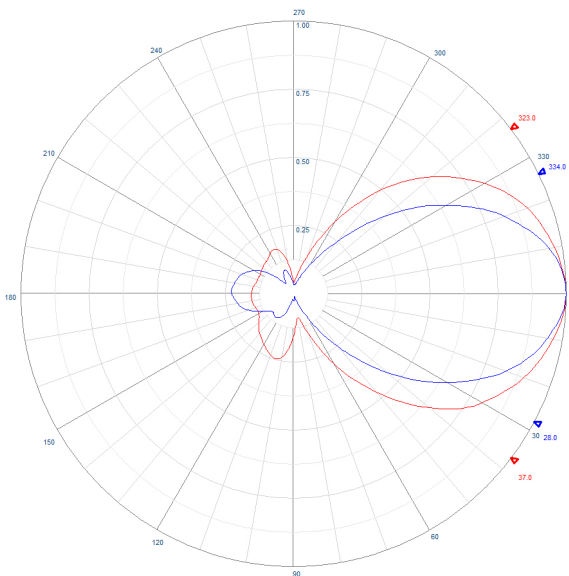
#### VHF 70-108 MHz



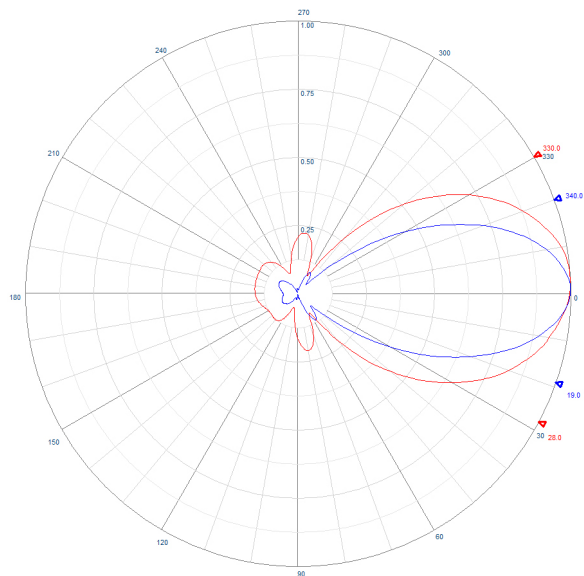
Example radiation pattern - Y202



Example radiation pattern - Y203



Example radiation pattern - Y204



Example radiation pattern - Y206

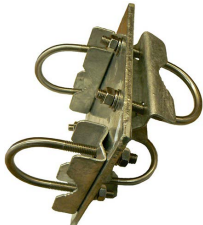


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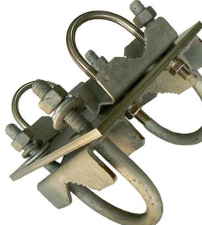
Scaled directional 2-6 element round boom Yagi's

VHF 70-108 MHz

### Suitable mounting hardware




**SKU: Y2300**  
Galvanised steel right-angle round boom Yagi clamp  
Boom: 30-50mm capability  
Mount pole: 30-50mm capability  
Also available in stainless steel



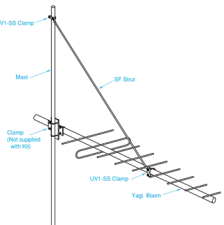
**SKU: Y2300-L**  
Galvanised steel large right-angle round boom Yagi clamp  
Boom: 32-50mm capability  
Mount pole: 40-75mm capability  
Also available in stainless steel



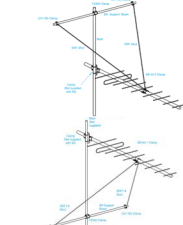
**SKU: Y2300-XL**  
Galvanised steel extra large right-angle round boom Yagi clamp  
Boom: 32-50mm capability  
Mount pole: 50-90mm capability  
Also available in stainless steel



**SKU: C-125**  
Galvanised steel extra large right-angle round boom Yagi clamp  
Boom: 32-50mm capability  
Mount pole: 100-125mm capability



**SKU: YS1-23**  
Single tension strut kit includes strut mounting hardware.



**SKU: YS2-23**  
Dual tension strut kit includes strut mounting hardware and support boom.  
**SKU: YS2-23C**  
Dual compression strut kit includes strut mounting hardware and support boom.

### Suitable feeder coaxial cable and connectors



RU400 low loss, solid copper core, foam dielectric cable  
**SKU: 7890**  
Ultra flexible **SKU: 7890-2**  
Available in 100m, 300m or 500m (UF only) roll or alternatively request a custom cable assembly




N-type male solder pin crimp connector for RU400 / RU400-UF coaxial cable  
**SKU: 8226**  
Tri-metal plated - Low P.I.M.




1/2" corrugated shielding, foam dielectric coaxial cable  
**SKU: ZCG1250**  
Air dielectric. **SKU: ZCG1250-A**  
Helical super flex. **SKU: ZCG1250SF**  
Available in per metre (excl. Air) or 500m rolls or alternatively request a custom cable assembly



N-type male clamp connector for 1/2" flexible, corrugated shielded, coaxial cable  
**SKU: NM1250**  
Tri-metal plated - Low P.I.M.



7/8" corrugated shielding, foam dielectric coaxial cable  
**SKU: ZCG7850**  
Air dielectric. **SKU: ZCG7850-A**  
Available in per metre (excl. air) or 500m rolls or alternatively request a custom cable assembly



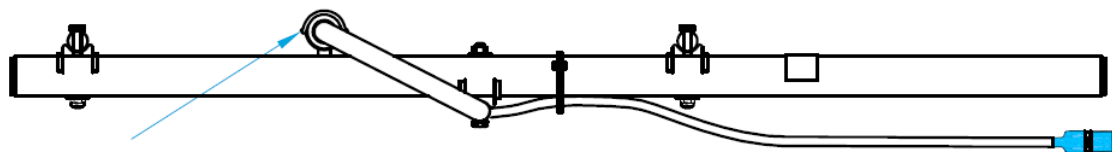
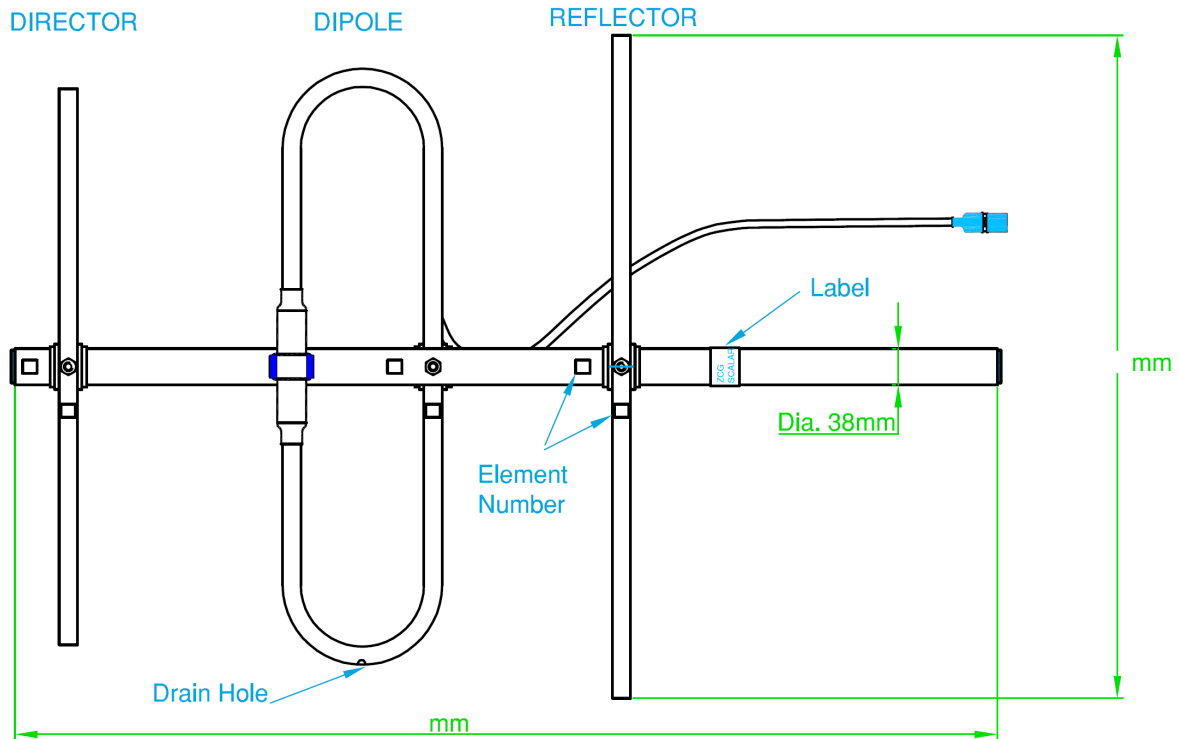
N-type male clamp connector for 7/8" flexible, corrugated shielded, coaxial cable  
**SKU: NM7850**  
Tri-metal plated - Low P.I.M.



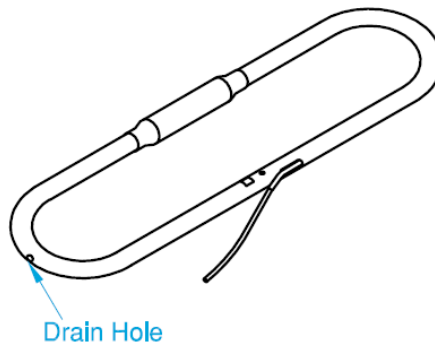
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- Support Clip - Dipole clips into position



DIPOLE