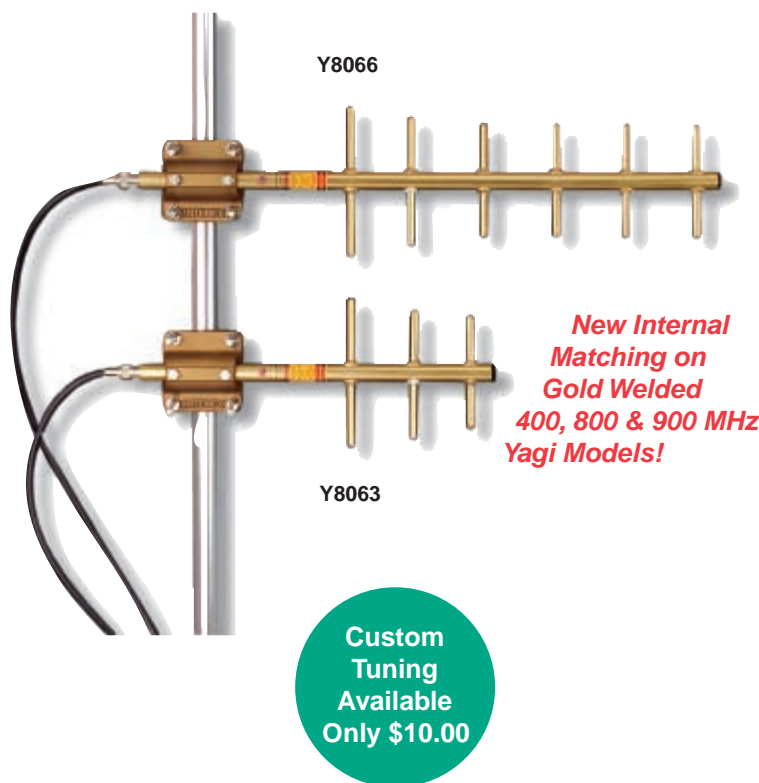


Directional Yagis - Superior Quality and Performance!

This is undoubtedly the most fully featured internally matched Yagi available. This design features an end-of-boom N connector feed with an internal transmission line feeding the driven element. Internal matching achieves broad bandwidth and is highly weather resistant. There is no gamma match to ice up, corrode or detune. The fully welded **ANTENEX**® Yagi antenna features 360-degree welds around each element and is fully gold anodized for corrosion resistance. Our engineering staff has optimized this product design for forward gain by computer analysis and then field-tested each for conformance.



Technical Data - Product Features & Information

- **VSWR:** <1.5:1
- **Maximum Power:** 500 watts - VHF
300 watts - UHF & 800/900 MHz
- **Impedance:** 50 ohms
- **Mounting:** VHF up to 2" mast. UHF and 800/900 MHz up to 1-5/8" mast.
- **Tuning:** All Yagi's are pre-tuned on a Network Analyzer. to the lowest frequency for that model.
- **Elements Material:** 3/8" diameter solid 6061-T6 aluminum.
- **Boom Material:** Heat treated 6061-T6 aluminum tube.
- **Boom Diameter:** UHF, 800/900 MHz - 7/8"
VHF - 3 dB 7/8", 5 dB 1 1/2"
- **Finish:** Protective gold or black anodized finish. Allow longer lead time for black finish models. Silver Series feature a bright finish.
- **Shipping:** All models are FedEx/UPS shippable. Welded VHF may require truck freight.
- **Assembly:** VHF models require light assembly. All other models come fully assembled.
- **Mounting:** Stainless steel brackets included.
- **Termination Type:** N Female. SO239 (UHF female available upon request).
- **Lightning Protection:** DC ground
- **Boom Length:**

VHF	3 Element - 41-1/2"	5 Element - 72"
UHF	3 Element - 20-3/16"	5 Element - 37"
	6 Element - 44"	12 Element - 72"
800/900	3 Element - 16-3/4"	6 Element - 27-3/4"
	12 Element - 49"	

Ordering Guide - Clear, Easy & Sensible!

Y4505 = Fully Welded Yagi in gold, 450-470 MHz, 5 Elements.

Y	Antenna Style	Y = Welded and Gold Anodized Yagi YB = Welded and Black Anodized Yagi YS = Silver Series Yagi Black finish is not available on the Silver Series.		
450	Frequency	Frequency component of part number in bold below: 136-150 150-174 220-250 406-430 430-450 450-470 470-490 490-512 806-896 896-970		
5	Elements	3 = 3 Elements	5 = 5 Elements	6 = 6 Elements 12 = 12 Elements

Mounting brackets included at no extra charge.

Model	Frequency	Elements	Gain	Front-Back Ratio	MSRP
FULLY WELDED NON-ANODIZED VHF MODELS					
YXXX3W	User Defined	3	7.1 dBd	17 dB	246.10
YXXX5W	User Defined	5	9.2 dBd	20 dB	288.90

GOLD ANODIZED VHF MODELS					
Y1363	136-150 MHz	3	7.1 dBd	17 dB	154.93
Y1365	136-150 MHz	5	9.2 dBd	20 dB	210.52
Y1503	150-174 MHz	3	7.1 dBd	17 dB	155.07
Y1505	150-174 MHz	5	9.2 dBd	20 dB	209.73
Y2203	220-250 MHz	3	7.1 dBd	17 dB	155.21
Y2205	220-250 MHz	5	9.2 dBd	20 dB	209.73

GOLD ANODIZED FULLY WELDED UHF MODELS					
Y4065	406-430 MHz	5	9.2 dBd	20 dB	160.65
Y4066	406-430 MHz	6	10.2 dBd	20 dB	171.52
Y4303	430-450 MHz	3	7.1 dBd	17 dB	133.91
Y4305	430-450 MHz	5	9.2 dBd	20 dB	160.73
Y4306	430-450 MHz	6	10.2 dBd	20 dB	171.52
Y43012	430-450 MHz	12	11 dBd	20 dB	240.98
Y4503	450-470 MHz	3	7.1 dBd	17 dB	133.91
Y4505	450-470 MHz	5	9.2 dBd	20 dB	160.73
Y4506	450-470 MHz	6	10.2 dBd	20 dB	171.52
Y45012	450-470 MHz	12	11 dBd	20 dB	240.98
Y4705	470-490 MHz	5	9.2 dBd	20 dB	160.73
Y4706	470-490 MHz	6	10.2 dBd	20 dB	171.52

GOLD ANODIZED FULLY WELDED 800/900 MHz MODELS					
Y8063	806-896 MHz	3	6 dBd	15 dB	133.95
Y8066	806-896 MHz	6	9 dBd	16 dB	160.73
Y80612	806-896 MHz	12	11 dBd	20 dB	214.32
Y8963	896-970 MHz	3	6 dBd	15 dB	133.95
Y8966	896-970 MHz	6	9 dBd	16 dB	160.73
Y89612	896-970 MHz	12	11 dBd	20 dB	214.32

REPLACEMENT MOUNTING KITS		
YM78	Yagi Mounting Kit for 7/8" Boom	13.50
YM190	HD Yagi Mounting Kit 7/8" to 4 1/2"	43.20
YM78HD	HD Yagi Mounting Kit for 7/8" Boom	47.50
YM100HD	HD Yagi Mounting Kit for 1" Boom	47.50
YM125HD	HD Yagi Mounting Kit 7/8" to 4 1/2"	47.50

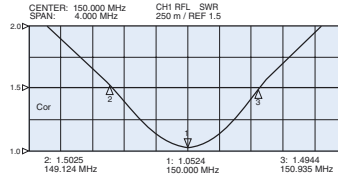


Mounting Kits
YM78HD, YM100HD, YM125HD

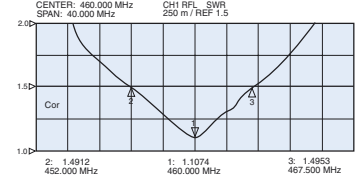
LAIL350NN - Inline
Lighting Arrestor N to N

Don't forget, each Yagi is hand tuned on a network analyzer for best power match and lowest VSWR. This is your assurance of the best possible performance every time. Each yagi also ships complete with a high quality cast aluminum cast mounting kit that includes stainless steel hardware and allows vertical or horizontal orientation during install. Whether your installation calls for the super high durability of a fully welded Yagi or the lower cost, yet very high durability of a silver series Yagi, **ANTENEX®** promises to be the correct choice for your demanding application.

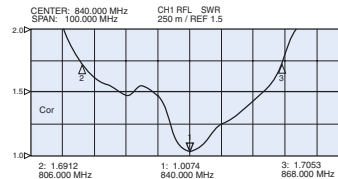
VSWR



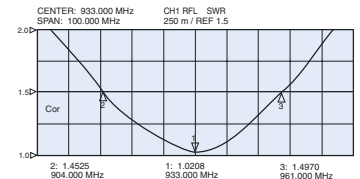
Y1503



Y4506



Y80612



Y8966

Model	Frequency	Elements	Gain	Front-Back Ratio	MSRP
SILVER SERIES VHF MODELS					
YS1363	136-150 MHz	3	7.1 dBd	17 dB	104.00
YS1503	150-174 MHz	3	7.1 dBd	17 dB	104.00
YS1505	150-174 MHz	5	9.2 dBd	20 dB	156.00
YS2165	216-225 MHz	5	9.2 dBd	20 dB	156.00
YS2203	220-250 MHz	3	7.1 dBd	17 dB	104.00
YS2205	220-250 MHz	5	9.2 dBd	20 dB	156.00

Model	Frequency	Elements	Gain	Front-Back Ratio	MSRP
SILVER SERIES UHF MODELS					
YS3406	340-360 MHz	6	10.2 dBd	20 dB	114.40
YS4063	406-430 MHz	3	7.1 dBd	17 dB	72.80
YS4065	406-430 MHz	5	9.2 dBd	20 dB	98.80
YS4303	430-450 MHz	3	7.1 dBd	17 dB	72.80
YS4305	430-450 MHz	5	9.2 dBd	20 dB	98.80
YS4306	430-450 MHz	6	10.2 dBd	20 dB	114.40
YS43012	430-450 MHz	12	11 dBd	20 dB	177.65
YS4503	450-470 MHz	3	7.1 dBd	17 dB	72.80
YS4505	450-470 MHz	5	9.2 dBd	20 dB	98.80
YS4506	450-470 MHz	6	10.2 dBd	20 dB	114.40
YS45012	450-470 MHz	12	11 dBd	20 dB	177.65
YS47012	470-490 MHz	12	11 dBd	20 dB	177.65
YS4906	490-512 MHz	6	10.2 dBd	20 dB	114.40

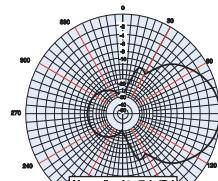
Model	Frequency	Elements	Gain	Front-Back Ratio	MSRP
SILVER SERIES 800/900 MHz MODELS					
YS8063	806-896 MHz	3	6 dBd	15 dB	73.50
YS8066	806-896 MHz	6	9 dBd	16 dB	94.50
YS80612	806-896 MHz	12	11 dBd	20 dB	162.00
YS8963	896-970 MHz	3	6 dBd	15 dB	73.50
YS8966	896-970 MHz	6	9 dBd	16 dB	94.50
YS89612	896-970 MHz	12	11 dBd	20 dB	162.00

Model	Description	MSRP
ENCLOSED 2.4 GHz MODEL		
YE240015	2.4-2.5 GHz	245.00

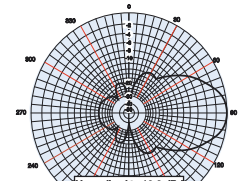
Model	Description	MSRP
ANTENNA MASTS		
YMST4	4"x1-1/4" OD x .065" wall alum. mast	30.15
YMST8	8"x1-1/4" OD x .065" wall alum. mast	90.00
YMST18	18"x1-1/4" OD x .065" wall alum. mast (2p)	187.50

Model	Description	MSRP
YAGI ACCESSORIES		
LAIL350NN	Inline Lightning Arrestor N to N	79.16
LABH35NN	Bulk Head Lightning Arrestor N to N	79.16
CCT213	Crimp Tool For LMR400	71.95
CN400	N Connector For LMR400	8.00
R400100	100 ft. Roll of LMR400	140.00
R400500	500 ft. Roll of LMR400	650.00

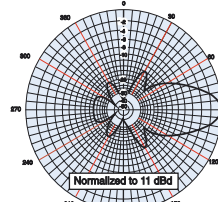
Vertical Field Patterns



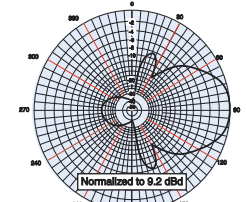
Y1503



Y4506



Y80612



Y8966



Close up of Traditional Gamma Match Silver Series Yagi



YE 240015 Enclosed Yagi with U-bolts

VHF Yagi antennas have bolted elements and require light assembly to maintain FedEx/UPS shippability. Welded, black anodized Yagi antennas are the same price as gold models. Allow extra delivery time for black models. The Silver Series Yagi antennas have the same great optimized designs and plated brass connectors as our welded gold anodized models. Gold welded 400, 800 and 900 models have internal direct feed matching. All other models have the traditional gamma match feed.