

Hörwin

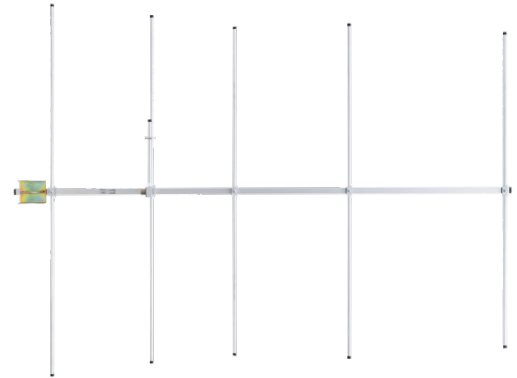
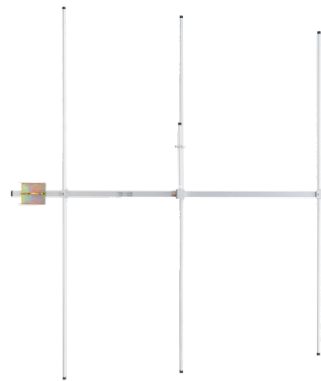
VHF Yagi antennas AY160x

AY160x series is an inexpensive lightweight 3 or 5 elements directional antenna with "straight" driven element and "gamma matching" designed for various point to point as well as point/multipoint applications, such as rural telecommunications, repeater operations, telemetry SCADA links, etc.

Antenna is made of AD31 (T6063) galvanized aluminium. Boom material is 15 by 15 mm square tube and elements are 8 mm OD tube. Elements are mounted to the boom by special aluminium brackets through the boom with 6mm hex bolts. Feed line connector is UHF female panel mount type mounted on driven element.

AY160x includes mounting hardware — a U-bolt and special mounting bracket for rear mounting to the mast (30–40mm OD) for either vertical or horizontal polarization. Antenna is shipped disassembled and is easily assembled in the field (all elements and their position on the antenna boom are clearly marked).

Antenna is tuned to central frequency of customer specified range (< 8 MHz) or specified frequency.



AY 16 xx	Yagi antenna band (16=160 MHz) number of elements	AY1603	AY1605
	Elements	3	5
	Frequency range, MHz	144 – 174	144 – 174
	Bandwidth, MHz	8	8
	SWR	< 1,5	< 1,5
	Power rating, W	100	100
	Gain, dB	5,6	8
	Front to Back ratio, dB	20	20
	Beamwidth (H-plane)	105°	48°
	Beamwidth (E-plane)	50°	40°
	Nominal impedance, Ohm	50	50
	Dimensions (H x L), mm	900 x 1000	900 x 1500
	Weight, kg	0,65	0,85