

AY160xD series is a heavy duty 3 or 5 elements directional antenna with folded dipole as driven element designed for various point to point as well as point/multipoint application when wide bandwidth, mechanical strength and durability are important.

Folded driven element incorporates “balun” matching circuit optimized for wide bandwidth and accurate matching. All components of antenna are DC- grounded for better lightning and antistatic protection.

Antenna is made of AD31 (T6063) galvanized aluminium and covered with black polymer powdered coating. Boom material is 25 mm OD tube, driven element is 18 mm OD and passive elements are 8 mm OD tube. Elements are mounted to the boom with special aluminium brackets. The antenna supplied with 0,5 m long “tail” terminated with an UHF type female connector.

The boom is rear-mounted to the mast (Ø 30-55 mm) through the omega clamp with U-bolts 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).



AY	“Yagi” antenna		
16	frequency band (16=160 MHz)		
xx	number of elements	AY1603D	AY1605D
D	folded dipole vibrator		
	Elements	3	5
	Frequency range, MHz	148 – 174	148 – 174
	Bandwidth, MHz	26	26
	SWR	< 1,5	< 1,5
	Power rating, W	200	200
	Gain, dBd	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 (HxL), mm	900 x 1000	900 x 1500
	Weight, kg	1,6	2,0