

Three Element Yagi

Model: COY2M3EL

SPECIFICATION:

Gain	6.1dBd
F/B	12dB
	Less than 2.0 144-148 Mhz
	Center Freq. 146 Mhz
Impedance	52 Ohms

FEATURES:

- Silver plated Teflon SO239 connector
- Insulated elements for extended antenna life (UV resistant)
- Stainless Steel hardware
- T6061-T6 aluminum
- Fully encapsulated matching system
- Designed for easy setup and breakdown

PARTS LIST:

Qty	Description
1	Drilled boom/w end plugs
1	Reflector element/insulated block assembly
1	Driven Element assembly
1	Director element/insulating block assembly
1	Stainless steel U-Bolt with washers and nuts
1	Mast saddle

TERMINOLOGY:

Boom: The boom is the one inch diameter tube that supports the antenna elements.

Mast: The mast is the device that supports the antenna and is user supplied. This antenna is designed for a 1 1/2 mast.

Boom Orientation: The rear of the boom shall be described as the end closest to the U-Bolt.

Antenna Polarization: The polarization of the antenna is dictated by the manner in which the antenna is mounted to the mast. The antenna is vertically polarized when the elements are perpendicular to the ground. The antenna is horizontally polarized when the elements are parallel to the ground.

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ASSEMBLY STEPS:

1. Study Figure 1 below.
2. Install reflector element by sliding the element/insulator block assembly over the one inch boom until the hole in the insulator block matches the hole in the boom. The reflector is the longest element and closest to the rear of the boom. Insert 8-32 screw through the insulator and boom. Install 8-32 nut and tighten.
3. Install driven element by sliding the element/insulator block assembly over the one inch boom until the hole in the insulator block matches the hole in the boom. The coax connector should face the rear of the boom. Insert 8-32 screw through the insulator and boom. Install 8-32 nut and tighten.
4. Install director element by sliding the element/insulator block assembly over the one inch boom until the hole in the insulator block matches the hole in the boom. The director is the shortest element. Insert 8-32 screw through the insulator and boom. Install 8-32 nut and tighten.
5. Install mast U-bolt and saddle.

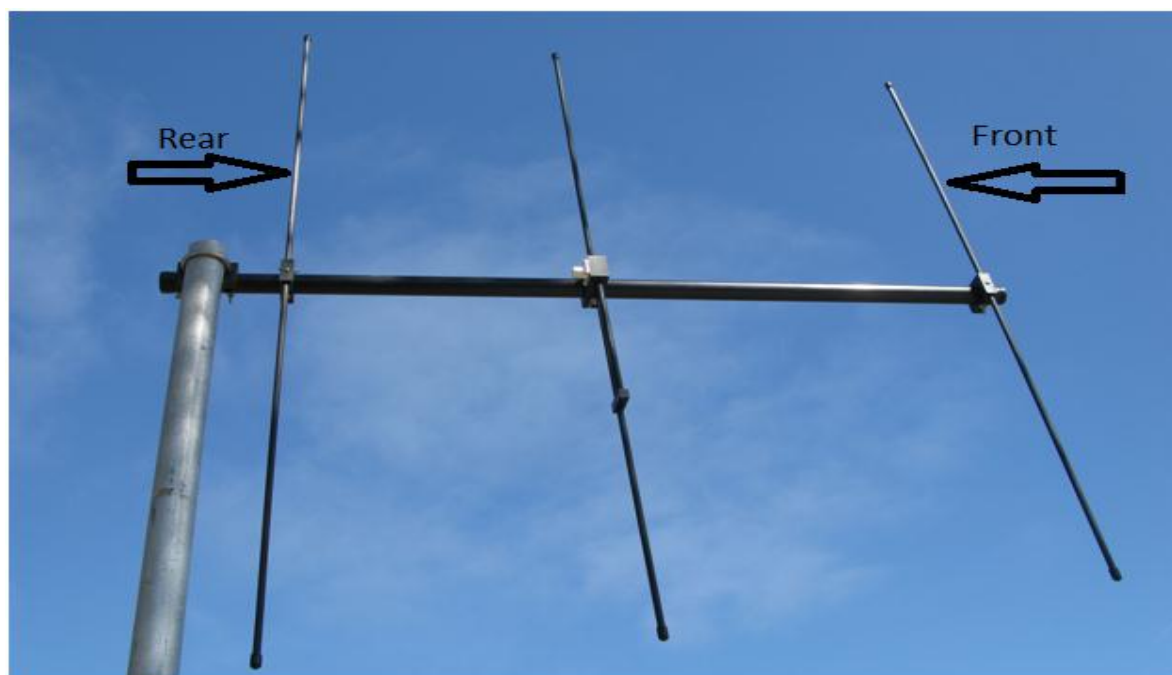


Figure1: 2 Meter 3 Element Yagi