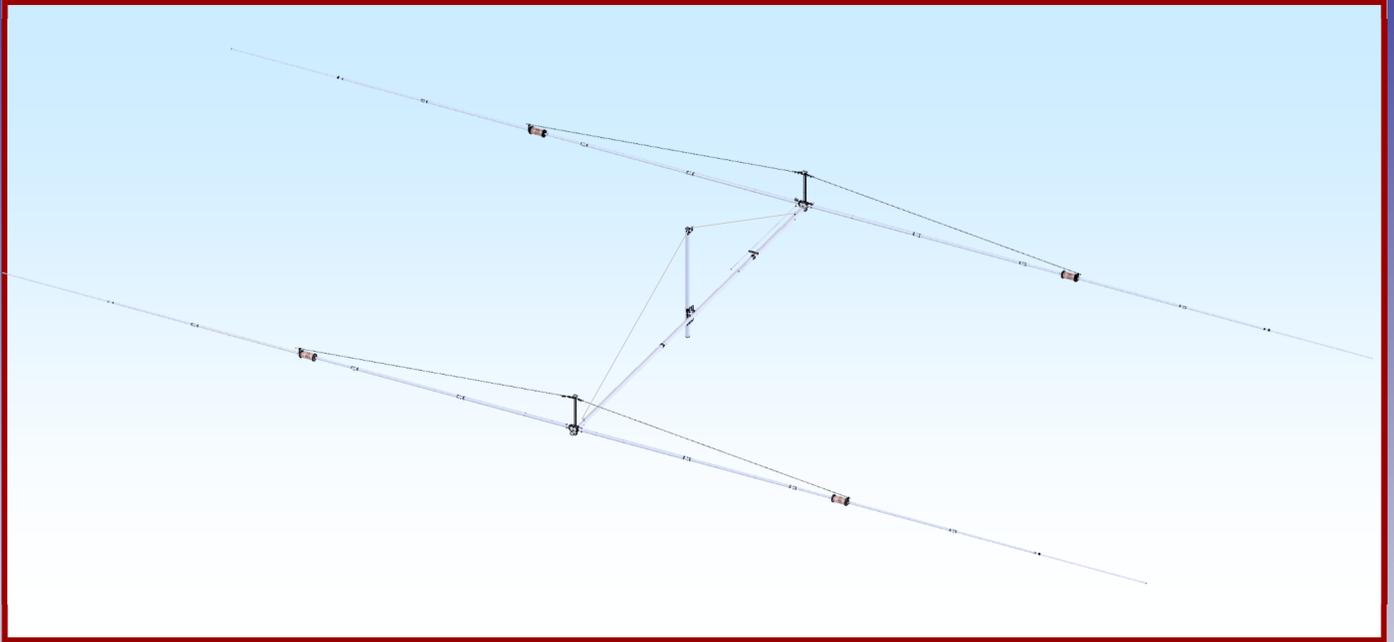




# M2 Antenna Systems, Inc.

## Model No: 40M2C



### SPECIFICATIONS:

Model .....	40M2C	Power Handling .....	3 kW, Higher avl.
Frequency Range .....	7.0-7.3 MHz 3 Seg	Boom Length / Dia .....	19.5' / 2.0 x .125 Wall
Gain .....	11 dBi @ 70' / 6.1 FS	Element Length / Dia. ....	51 Ft. / 1-1/2" To 1/2"
Front to back.....	25 dB @ 70 ft / 15 FS	Turning Radius: .....	27 Ft.
Beamwidth .....	E=74°	Stacking Distance .....	70 Ft.
Feed type.....	Hair pin match	Mast Size .....	2" to 3" Nom.
Feed Impedance.....	50 Ohms Unbalanced	Wind area / Survival .....	6.6 Sq. Ft. / 100 MPH
Maximum VSWR .....	See Curve	Weight / Ship Wt. ....	62 Lbs. / 71 Lbs.
Input Connector .....	SO-239, Other avl.		

**\*Subtract 2.14 from dBi for dBd**

### FEATURES:

The 40M2C is the latest addition to our already exceptional 40 meter Yagi lineup. Using all the latest design and manufacturing tools, including 3D printed the coil forms, our coil loaded antennas now that make it difficult to choose a full size equivalent. Mounting this Yagi at 70 feet creates an pattern incredibly clean pattern with unique front to rear and above performance. Please view the E and H plane patterns provided to see for yourself.

Our new covered coil design features 3/16" diameter copper clad soft drawn aluminum that has great power handling and high efficiency (Q over 900) combined with low weight. We use 3D printing for precision coil forms. The coil covers help reduce frequency shift with heavy rain or ice loading. The coils are located at the optimum place in each element half. The location of the coil is important for best performance and this careful placement also breaks the element into small electrical lengths that appear shorter than 20 meter elements. This means there is little or no interaction with any 20 meter Yagi on the same mast OR on the same boom. Our new DUAL BAND "CYCLE BUSTER " takes full advantage of this unique feature.

Mechanically, the coil loading offers a cleaner look with less area and fewer connections. Wind and ice loading are reduced as well. We continue to offer the same unbreakable element mounting and OVER HEAD element support. The rugged, time tested elements and 3 kW 1:1 Balun are part of the package. All Hardware is stainless steel except for the Galvanized U-bolts and saddles. Superior Machined aluminum cradles can be purchased as an option as needed for higher holding requirements.

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