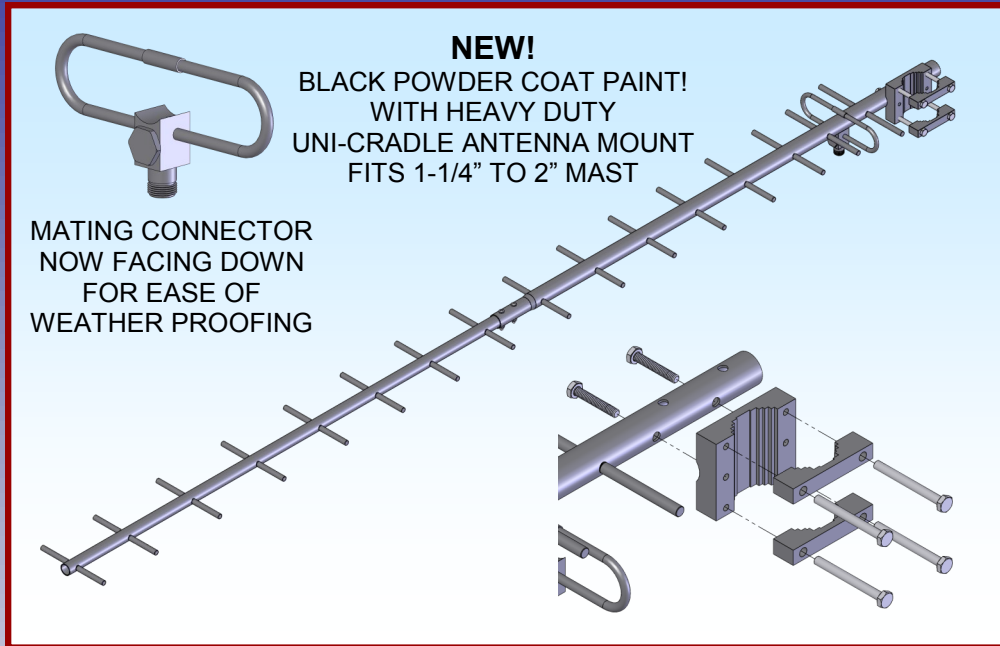




# M2 Antenna Systems, Inc.

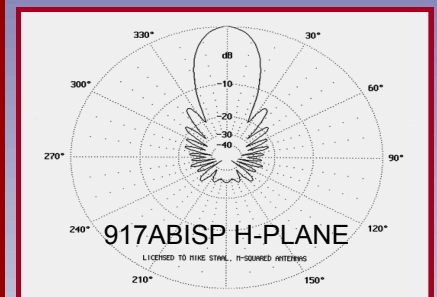
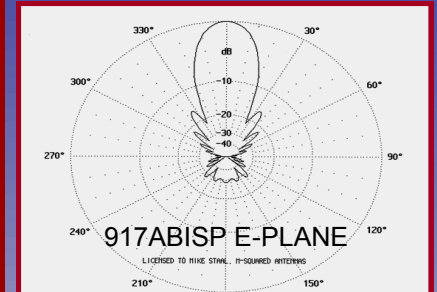
## Model No: 917ABISP



**NEW!**

BLACK POWDER COAT PAINT!  
WITH HEAVY DUTY  
UNI-CRADLE ANTENNA MOUNT  
FITS 1-1/4" TO 2" MAST

MATING CONNECTOR  
NOW FACING DOWN  
FOR EASE OF  
WEATHER PROOFING



### SPECIFICATIONS:

Model .....	917ABISP	Input Connector .....	"N" Female
Frequency Range .....	900 To 930 mHz	Polarity .....	VERT / HORZ
Usable Range .....	880-940 mHz	Power Handling .....	500 Watts
*Gain .....	17 dBi	Boom Length / Dia .....	74" / 1" to 3/4"
Front to back .....	25 dB	Stacking Distance .....	28"
Beamwidth .....	E=20° H=22°	Mast Size.....	1-1/4" to 2"
Feed type .....	Folded Dipole	Wind area / Survival .....	0.4 Sq. Ft. / 100MPH
Feed Impedance.....	50 Ohms	Weight / Ship Wt. ....	5 Lbs. / 6 Lbs.
VSWR .....	1.2:1 Typical		

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

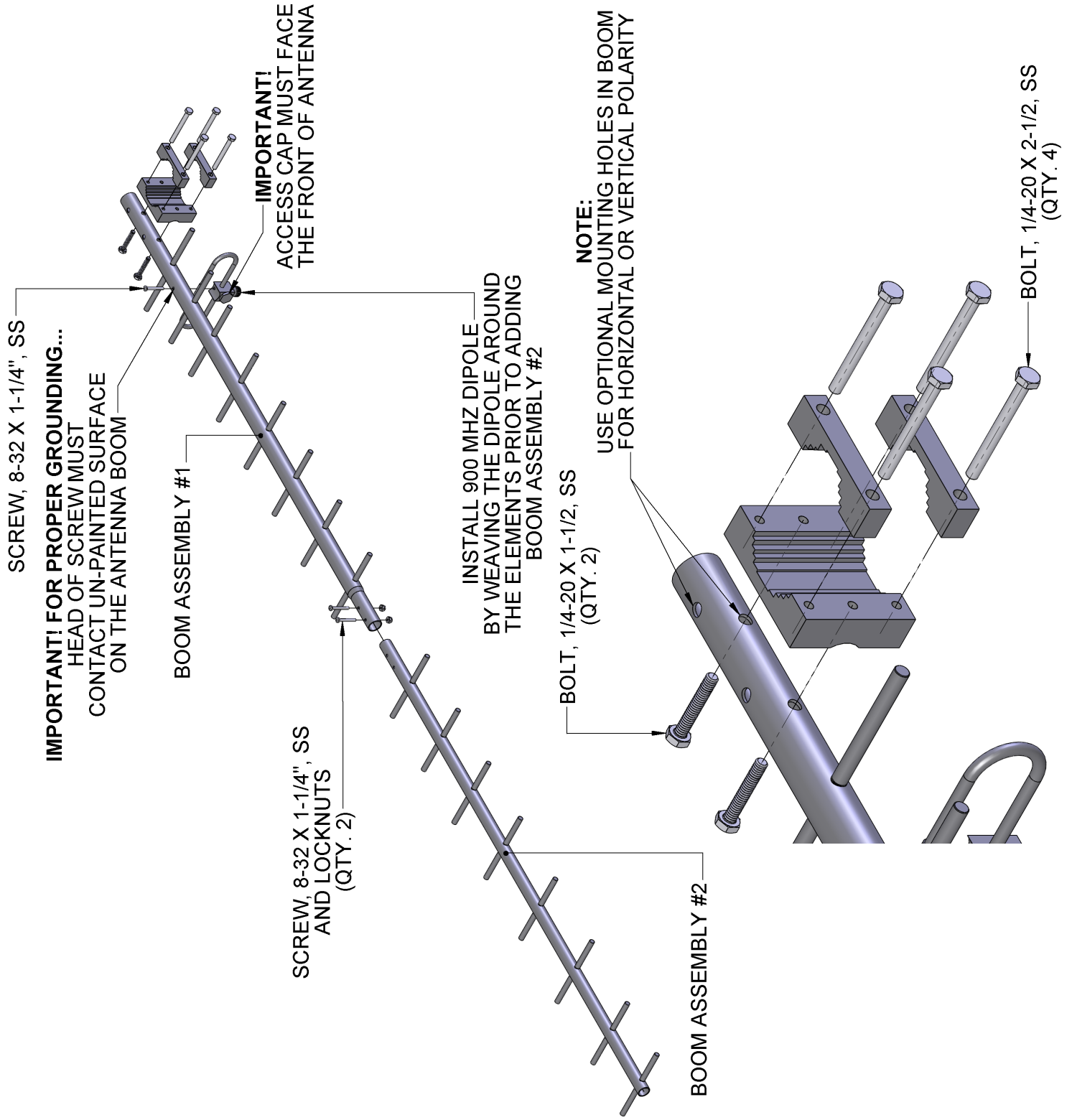
### FEATURES:

The **NEW 917ABISP** high performance Yagi, is the latest product to come out of **M2's** Engineering Lab. Designed for deep fringe systems were standard panels or smaller yagi's just don't cut it. Using our customers' suggestions, we have black powder coated the entire antenna creating a hard finish that is tougher than conventional paint. Solid 5/16" aluminum rod is used for the element structure allowing for slight rain and snow accumulation. Built on a two piece heavy duty boom and includes a heavy duty mounting clamp, allowing for a wide range of masts sizes from 1 1/4" to 2".

The heart of the **917ABISP**, the folded dipole, provides a virtual flat match for over 30 MHz. Again using our customers' suggestions, the mating connector now faces down for ease of cable connection. The gain has been designed to roll-off quickly above range limits to prevent receiver overload from high power services above 930 MHz.

The **917ABISP** is a DC grounded antenna designed to work with many radios including Motorola Canopy, Vecima Networks, Trango and many others.

# 917ABISP ASSEMBLY MANUAL



# 917ABISP PARTS & HARDWARE

DESCRIPTION.....	QTY
917ABISP BOOM ASSY #1.....	1
917AIBSP BOOM ASSY #2.....	1
FOLDED DIPOLE ASSEMBLY.....	1
ASSEMBLY MANUAL .....	1

## IN HARDWARE BAGS:

UNI-CRADDLE, (M2AMC0075) .....	1
UNI-CRADDLE, (M2AMC0076).....	2
BOLT, 1/4-20 X 2.5 FULL THREAD SS.....	4
BOLT, 1/4-20 X 1.5 SS .....	2
SCREW, 8-32 X 1-1/4", SS .....	3
LOCKNUT, 8-32, SS .....	2

## M<sup>2</sup> ANTENNA SYSTEMS, INC.

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