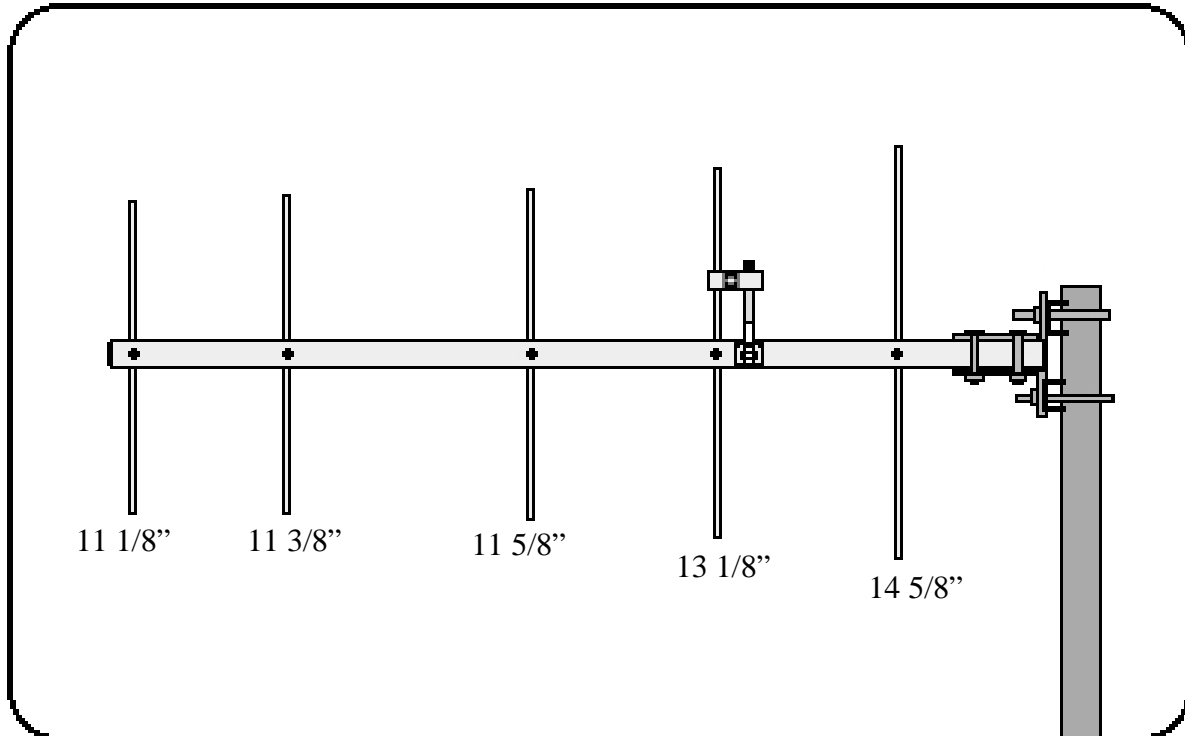


# ← Arrow Antenna →

1938 Wyott Drive  
Unit D3  
Cheyenne, WY 82007

**ArrowAntennas.com**  
*Simply the Best*

(307) 222-4712  
info@arrowantennas.com



This antenna must be end mounted with the M/B Mounting Bracket included.

Boom Length: 25.125"

Element Spacing: 1" 6.1875 11.315" 16.5" 21.6875"

**Guarantee**

**No hassle refund**

If you are not completely satisfied with any ARROW ANTENNA Product it can be returned for a FULL refund less shipping and handling within 90 DAYS of purchase date.

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**Model**

**440-5S<sub>olid</sub>**

We don't invent antennas.  
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**Part #**

**Model 440-5S Parts List**

440S01	Boom (25.125")
440S02	Gamma Match Assembly
146S08	Shorting Bar Assembly
440S04	Reflector Element (14 5/8")
440S05	Driven Element (13 1/8")
440S06	1st Director Element (11 5/8")
440S07	2nd Director Element (11 3/8")
440S08	3rd Director Element (11 1/8")
146S09	Plastic End Caps for Boom (1" Sq. X .062)
146S06	#4 - 40 X 3/4" Element Screws (Stainless)
M/B	Mounting Bracket

**Assembly Instructions**

**Important:**

**Remove the connector from the boom (4 screws). Turn the connector 90 degrees and reinstall with the copper rod sticking out through the rubber grommet in the boom.**

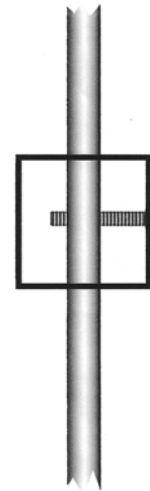
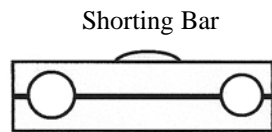
Thread each of the 1/4" round elements with a #4-40 x 3/4" stainless steel screw into the center of each element. This is to make sure all the elements are threaded properly and that the screws start easy.

Lay out the elements according to size. The dimensions and position of each element are shown on the front page of these instructions. Attach the elements to the boom as shown.

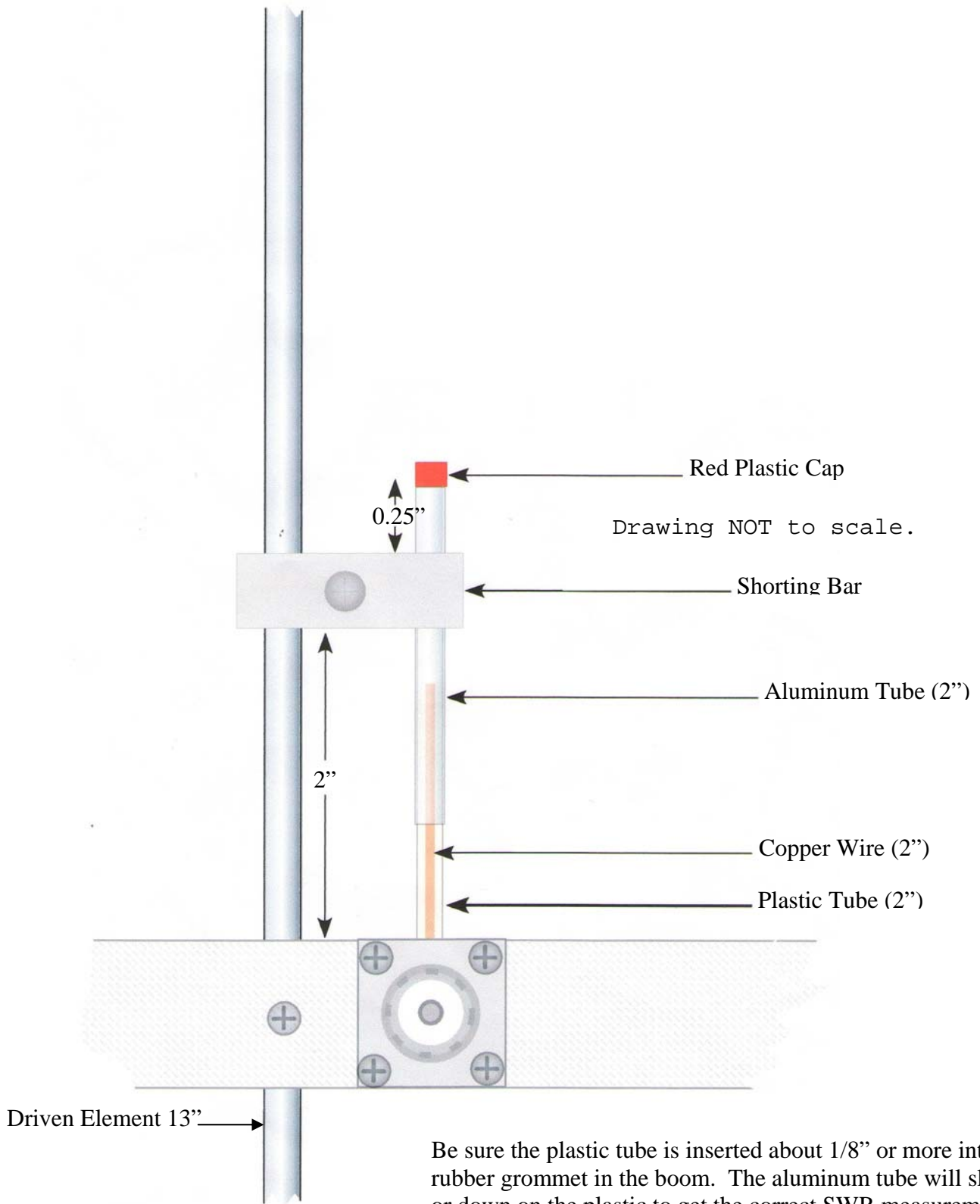
**Caution:**

Do NOT over tighten the screw or it will bend the element.  
Turn the screw just until it is snug then 1/4 turn more.

Then slide the plastic tube for the gamma match over the copper rod. The plastic tube should go through the rubber grommet at least 1/8". Then slide the aluminum tube over the plastic tube. Loosen the screw of the shorting bar and slide it over the driven element and the gamma match. (See Gamma Match Adjustment Sheet)



# 440-5S Gamma Match Setting



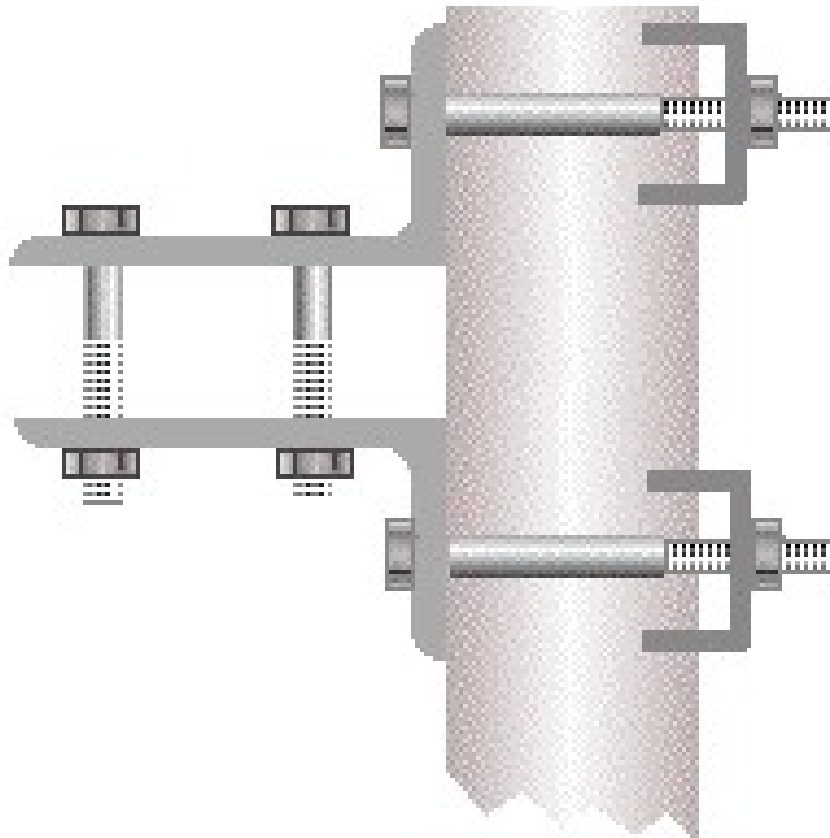
Be sure the plastic tube is inserted about 1/8" or more into the rubber grommet in the boom. The aluminum tube will slide up or down on the plastic to get the correct SWR measurement. (Plus or minus 1/4" for best SWR.)

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911 E. Fox Farm Rd. #2  
Cheyenne, WY 82007

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Mounting Bracket for Antennas with 1" Square Booms.

For Masts up to 1 ½".

### **Guarantee**

No hassle refund

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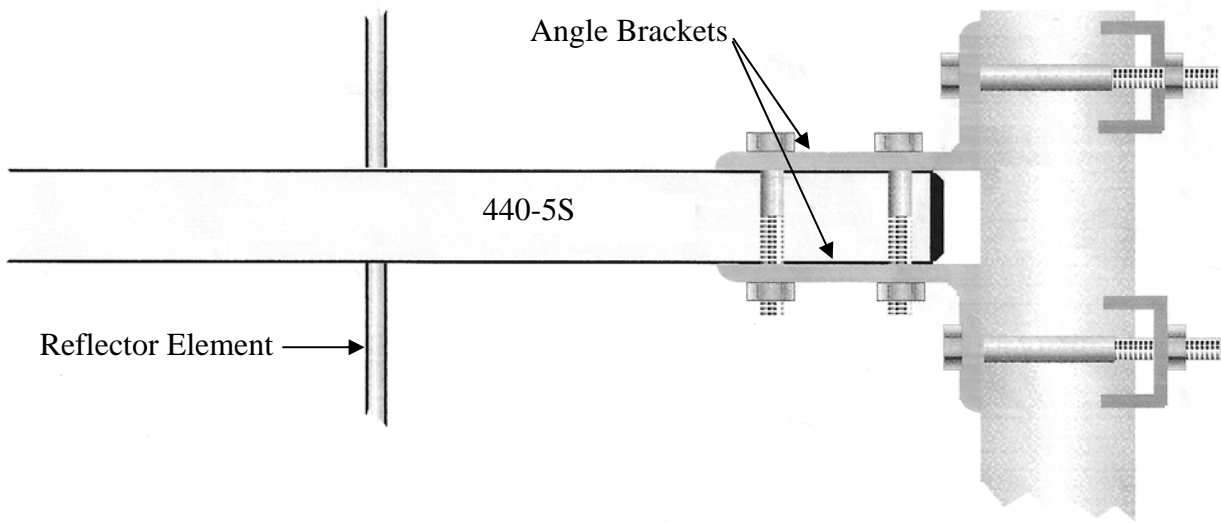
*SIMPLY THE BEST*

### **Model**

**M/B**

Mounting Bracket

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We simply build them better.



# CHECKLIST FOR OUR SHIPPING DEPARTMENT

Circle Antenna being built:

440-5S N

440-5S SO-239

\_\_\_ N connector

\_\_\_ SO-239 Connector

\_\_\_ N connector with 1.75" copper with 4 @ 4-40x1/4" screws.

\_\_\_ Connector replacement signs.

\_\_\_ 1" x 25.125" Boom

\_\_\_ 5 Element holes

\_\_\_ 5 Set screw holes

\_\_\_ 2 Black end caps.

\_\_\_ Black gromet in boom adjacent to connector hole.

\_\_\_ 6 @ #4 - 40 X 3/4" Element Screws (Stainless)

\_\_\_ 1 Gamma Match Assembly (2" Plastic - 2" Aluminum & 2" Copper on Connector)

\_\_\_ Shorting Bar Assembly (3 piece)

\_\_\_ 1 Reflector Element (14 5/8")

\_\_\_ 1 @ 440 MHz Driven Element (13 1/8")

\_\_\_ 1 @ 1st Director Element (11 5/8")

\_\_\_ 1 @ 2nd Director Element (11 3/8")

\_\_\_ 1 @ 3rd Director Element (11 1/8")

\_\_\_ 2 Mounting Brackets

\_\_\_ 2 Saddles

\_\_\_ 4 bolts, nuts & lock washers 1/4-20 x 2.75"

\_\_\_ 4 bolts, nuts & lock washers 1/4-20 x 1.75"