The Arrow II line of antennas has been engineered to provide maximum gain and efficiency in the smallest practical size & weight. **ONLY 28 oz.**

Aluminum **Arrow Shafts** are used for elements.

The 2 in-line gamma matches (not shown) are pre-assembled & pre-tuned. One connector for VHF and one for UHF. These are BNC only.

The boom is ¾” square (with round corners) 63” long. Note the big black foam grip for easy holding. Slide the back of the black foam handle grip forward to uncover ¼”-20 threaded tripod holes.

Boom & elements all have plastic tips for safety.

**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.  

**SIMPLY THE BEST**

**Model**

**146/440-14 (All Suffixes)**

4 Elements for VHF
10 Elements for UHF

We don’t invent antennas.  
We simply build them better.
Part #  
14644010  
146440BP  
AK 440 DE  
AK 440 D8  
AK 440 D7  
AK 440 D6  
AK 440 D5  
AK 440 D4  
AK 440 D3  
AK 440 D2  
AK 440 D1  
AK 440 R  
AK 146 DE  
AK 146 D1  
AK 146 D2  
AK 146 R  
2.250  
SC 9/32  
FP 125  
3128 Black  

Model 146/440-14 (All Suffixes) Parts List  

14644010  Boom - with End Caps and Foam Handle  
146440BP  2 piece Boom - with End Caps and Foam Handle  
AK 440 DE  437 Driven Element pair - with Gamma Match, End Caps, Inserts & Stud  
AK 440 D8  8th Director Element Pair - with End Caps, Inserts, & Stud  
AK 440 D7  7th Director Element Pair - with End Caps, Inserts, & Stud  
AK 440 D6  6th Director Element Pair - with End Caps, Inserts, & Stud  
AK 440 D5  5th Director Element Pair - with End Caps, Inserts, & Stud  
AK 440 D4  4th Director Element Pair - with End Caps, Inserts, & Stud  
AK 440 D3  3rd Director Element Pair - with End Caps, Inserts, & Stud  
AK 440 D2  2nd Director Element Pair - with End Caps, Inserts, & 2 1/4 Stud  
AK 440 D1  1st Director Element Pair - with End Caps, Inserts, & 2 1/4 Stud  
AK 440 R  Reflector Element Pair - with End Caps, Inserts, & Stud  
AK 146 DE  146 Driven Element Pair - with End Caps Inserts, & 2 1/2" Stud  
AK 146 D1  1st Director Element Pair - with End Caps, Inserts, & 2 1/4" Stud  
AK 146 D2  2nd Director Element Pair - with End Caps, Inserts, & 2 1/4" Stud  
AK 146 R  Reflector Element Pair - with End Caps, Inserts, & 2 1/4" Stud  
2.250  2 1/4" All Thread Stud for all Elements (2 for $1.)  
SC 9/32  Red End Caps For Elements (10 for $1.)  
FP 125  Black End Caps for the Boom (4 for $1.)  
3128 Black  Black Foam Handle Grip  

Assembly Instructions  
Attach the elements to the boom as shown above by screwing the elements together through holes in the boom. Attach feed lines to the BNC connectors. That’s it. The antenna is pre-tuned and ready to go.
Arrow II Hand Held Portable (Satellite)  
Model 146/440-14 (All Suffixes)  

Drawing NOT to scale.

Element Spacing:  
440 side:  1.2”  9.8”  18.1”  26”  33.3”  39.9”  45.5”  50.2”  52.2”  57.4”  
146 side:  11.375”  26.95”  42.35”  57.6”
Model 10W (Low Power)
When ordered together, duplexer comes installed in the boom.
**Duplexer for 146/437-10 & 146/440-10**

**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.

**Maximum Power is 10 Watts.**

**Installation:**
1. Remove the foam grip and the plastic end cap from the boom.
2. Slide the Duplexer in the end of the boom at an angle. Reseat new plastic end cap.
3. Using your finger, apply some corn starch to the inside of the foam grip and to the antenna cables and boom.
4. Slide the foam grip over the coax cables and boom as shown above.
5. Blow the corn starch off with an air can or compressed air.
ASSEMBLY CHECKLIST FOR OUR SHIPPING DEPARTMENT.

Circle Antenna Being Assembled:

146/440-14  146/440-14BP  146/440-14WBP

146/440-14W

___ Solid Boom  ___ Split Boom  ___ Duplexer installed to match driven elements.

___ 14 element holes
___ Hole are clear
___ 4 tripod holes - threaded
___ End Caps
___ Foam Handle Grip

___ 2 @ 20 1/4" elements
___ 1 @ 19 1/4" driven element.
___ 1 @ 19 1/4" non-driven element
___ 2 @ 18 1/4" elements
___ 2 @ 17 1/8" elements
___ 4 studs

___ 2 @ 5.02" elements paired
___ 2 @ 5.06" elements paired
___ 2 @ 5.12" elements paired
___ 2 @ 5.18" elements paired
___ 2 @ 5.22" elements paired
___ 2 @ 5.3" elements paired
___ 2 @ 5.35" elements paired
___ 2 @ 5.4" elements paired
___ 1 @ 5.73" driven element paired with 1 @ 5.73" non-driven element
___ 2 @ 6.22" elements paired