

PART AND HARDWARE LIST

part #	Description	Quantity
1	Rear boom section (black cap)	1
2	Middle boom section	1
3	Front boom section (red cap)	1
4	Support half leg	2
5	Black cap (rear)	2
6	Red cap (front)	2
7	Protective plastic hood	1
8	U-shaped attaching clamp, 2 smooth holes	2
9	Mounting <i>alligator</i> clamp	2
10	Tightening <i>alligator</i> clamp	2
11	Mounting U-bolt, M6 thread	2
12	Tightening nuts, M6	4
13	Hex stainless steel screw, M6x50	4
14	Element tightening nut (M5)	5
15	<i>Beta-match</i> contact clamp	4
16	<i>Beta-match</i> mounting screw (M5x25)	2
17	<i>Beta-match</i> tightening nut (M5)	2
18	Element mounting bracket	4
19	Driven element mounting bracket, complete with case, contact plates and plastic cover	1
20	<i>Beta-match</i> rod	1
21	Driven element protective boot	1

ELEMENT TABLE LENGTHS

Element*	Millimetres	Feet / Inches
Reflector	3010	9' 9" 1/8
Driven element	2875	9' 3" 7/8
Director 1	2805	9' 1" 1/8
Director 2	2760	8' 11" 3/8
Director 3	2620	8' 5" 15/16
<i>Beta-match</i> rod	450	17" 11/16

*) Overall lengths of completed elements, without end caps.

FEED-LINE CONNECTION

Use RG8/U, RG213/U, similar or better coax. Cut the protective boot #21 to allow a tight fit with the feed-line used, and slide onto coax. Strip off approximately 20 mm (3/4") of the outer PVC jacket, then trim the braid about 10 mm (3/8") and remove same length of center insulator, to expose center lead. Then mount coax into driven element case, as shown on close-up A.

CAUTION! MAKE SURE THAT ANY LOOSE BRAID WIRE DOES NOT SHORT THE CONNECTION. TRIM OFF ALL TOO LONG OR LOOSE BRAID WIRE TO AVOID ANY SHORT

DO NOT FILL DRIVEN ELEMENT WITH SILICONE GREASE. SILICONE GREASE LITTLE BY LITTLE GRINDS POLYETHYLENE USED IN COAX AND CASE. For reliable long life operation, it is recommended to solder center lead and braid on case mounting plates, and protect connections with heavy duty weatherproof paint.

Then, after proper checking, snap on cover on case, and slide boot on case (close-up A and B).

Tape coax on boom and supporting leg about every 30 cm (12").

MOUNTING OF ANTENNA TO MAST

The maximum useful mast outer diameter is 54 millimeters (2" 1/8).

Open boom and supporting leg clamps #10 and bring the antenna tight against the mast. Close boom clamp and tighten boom nuts #12. To avoid downward droop of boom, apply slight upward pressure on supporting leg, and then tighten leg nuts.

OPERATING HINTS

Make sure driven element case faces up, so that condensation water can drain out through "breathe" holes.

It is recommended to keep the antenna in direction of local dominant winds, when not in use.