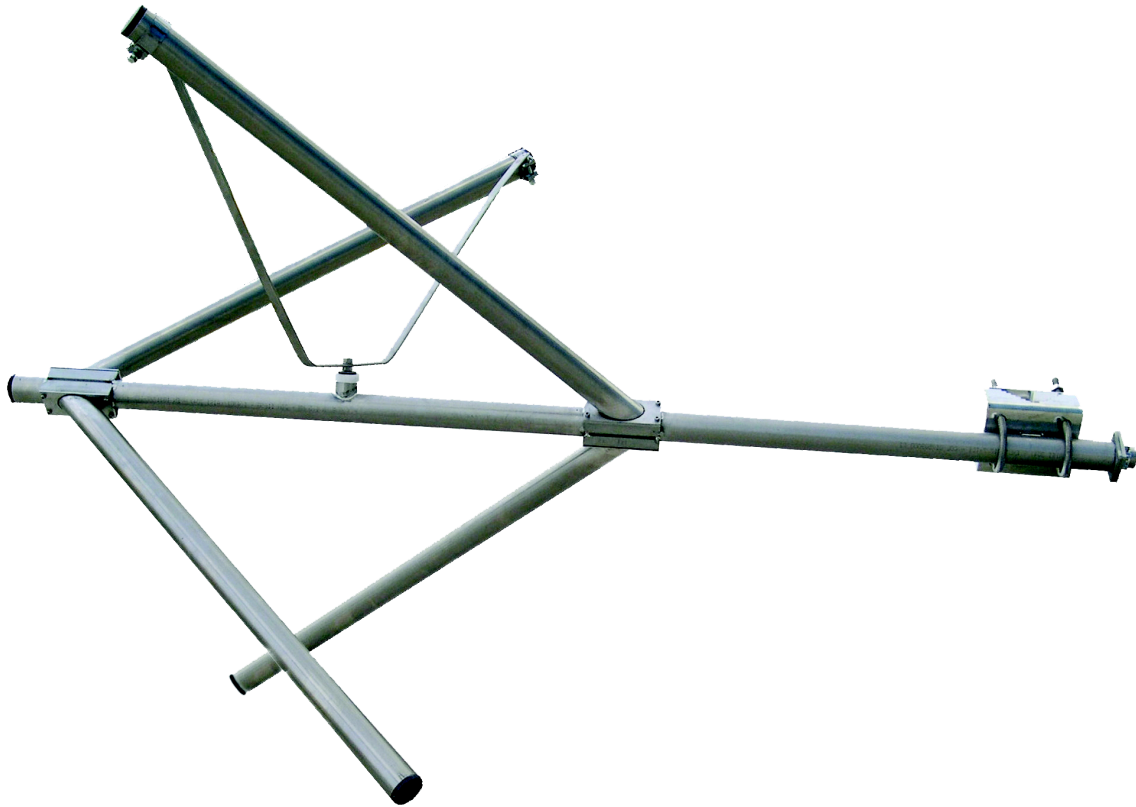


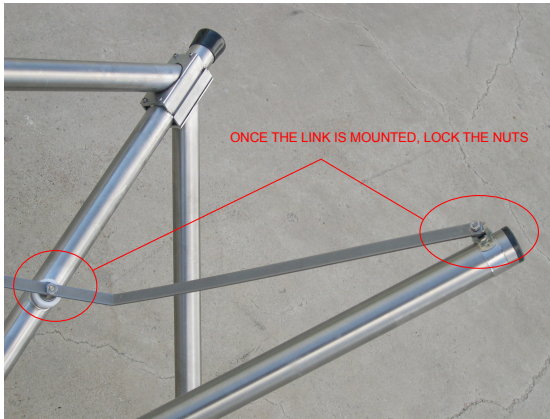
CIRPA Broadband Circular FM Antenna From Progressive Concepts



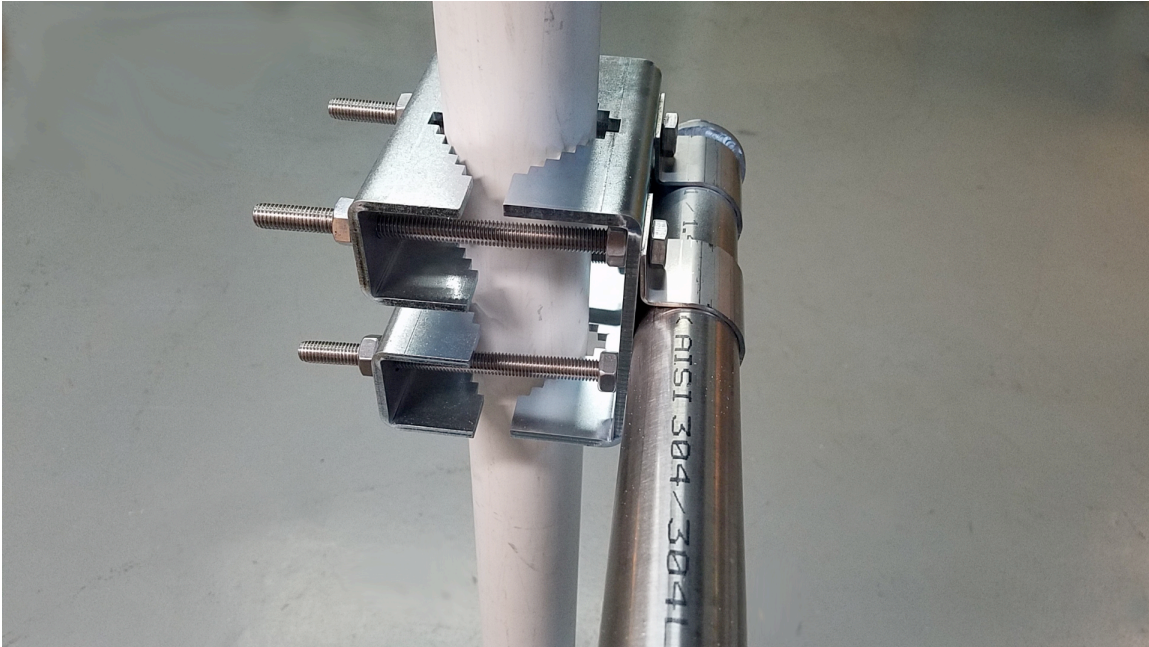
WARNING! The antenna may have sharp edges

All CIRPA broadband series FM broadcast antennas are shipped by DIMENSIONAL weight, actual weight of antenna may vary. Wind load of antenna is 65 pounds (2.5 square feet) per bay. Input connector is 7/16" DIN. Not recommended for pole mounting, a mast or tower should be used.

- The antenna must be assembled with the central insulator facing UP
- The elements with a black cap must be mounted facing up while the elements with the hole (open end) must be facing down. (Drain)
- After inserting the elements lock nuts lightly. (Firmly but not overtight)
- Insert the central link and lock it to the inner brass conductor, do not over tighten
- Insert the clamps over the elements and insert the link over the screws.
- Once the link is mounted lock the nuts. (Not overtight)



- Install the brackets
- The connector link (bolt protruding from side of boom arm) must be facing UP. (Not down or sideways)



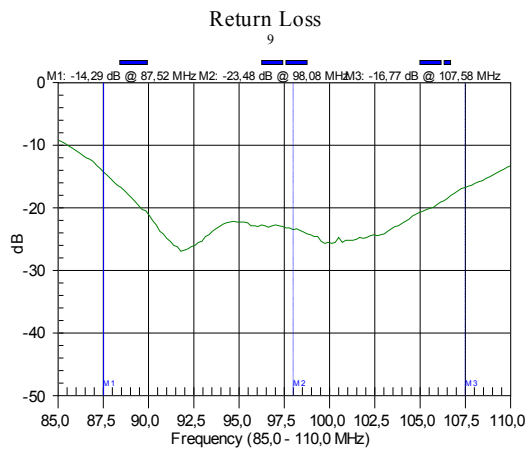
- Lock the antenna to the mast using the bracket hardware as shown above.
- Protect the connector with appropriate tape,
- If using an array of 2 or more dipoles, it will be necessary to calculate the spacing between the elements; here is the formula by function of the frequency:

300 divided by Frequency (MHz) x .75 x 3.28 = Distance in feet between bays.

These wide band FM antennas, made of Stainless steel are recommended for unidirectional medium to high Output Power Transmitters.

ANTENNA	DB	POWER	Tower	WEIGHT
BAYS	GAIN	GAIN	Space	Pounds
1	-3.0	.5	36"	26
2	0	1	8'	53
4	3.2	2.1	24'	106
6	4.5	2.8	40'	159
8	6.0	3.98	56'	212

Install this Antenna on a mast or tower leg with a diameter of 1.5" to 3.0"



Resolution: 130
Date: 01/14/2011
Model: S331C

CAL:ON(COAX)
Time: 15:49:40
Serial #: 00343056

CW: OFF

