

Mast Bracket Clamp Installation Guide MBC-04

Fig. 1: MBC-04 Mast Bracket Clamp Balloon Callout

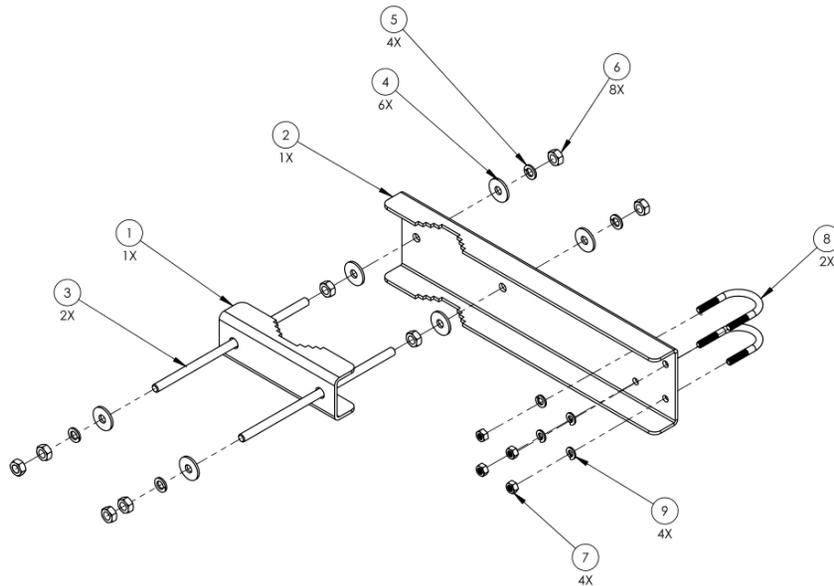
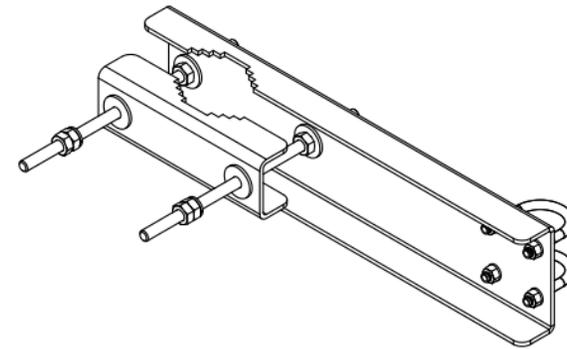


Fig. 2: MBC-04 Mast Bracket Clamp BOM & Assembled View



ITEM	QTY	DESCRIPTION
1	1	MAST BRACKET, CLAMP, M02
2	1	BRACKET, CLAMP, SMALL CELL ANTENNA
3	2	THREADED ROD, M10X1.5, 250L, DIN 975, CLASS 8.8, ROHS HOT DIP GALV
4	6	WASHER, FLAT, M10, 30 OD, MIN 2.3 THK, DIN 9021, STEEL, ROHS HOT DIP GALV
5	4	WASHER, SPLT LOCK, M10, DIN 127B, STEEL, ROHS HOT DIP GALV
6	8	NUT, HEX, M10X-1.5, DIN 934, STEEL, CLASS 8, ROHS HOT DIP GALV
7	4	NUT, HEX, 5/16"-18, STEEL, CLASS 8, ROHS HOT DIP GALV
8	2	U-BOLT, 5/16"-18 x 1" THREAD LENGTH, FOR 1 1/2" OD, STEEL, ROHS HOT DIP GALV
9	4	WASHER, SPLT LOCK, 5/16, STEEL, ROHS HOT DIP GALV

Step Task

- 1 Attach the mast bracket clamp to the pole. Refer to the balloon callout in Fig. 1, and the materials list shown in Fig.2 to properly identify the required items. Refer Antenna Installation Guide. See Fig. 3 thru 5 for details such as orientation.

Step Task

- 2 Attach and adjust the position of the threaded rod side of the mast bracket clamp on the pole as required. Hand tighten nuts only.
- 3 Antenna can now be installed to the mounting bracket clamp to continue assembly.

DISCLAIMER:

The installation, maintenance, or removal of an antenna requires qualified, experienced personnel. You must refer to the appropriate local safety codes and ensure proper electrical and electromagnetic compatibility before proceeding with the installation. All local codes shall take precedence over information in this document. Antenna systems should be inspected once a year by qualified personnel to verify proper installation, maintenance, and condition of equipment. Communication Components Antennas Inc. disclaims any liability or responsibility for the results of improper or unsafe installation.

Fig. 3: Small Cell Cardioid Antenna Mounted with MBC-04 Front & Side Views

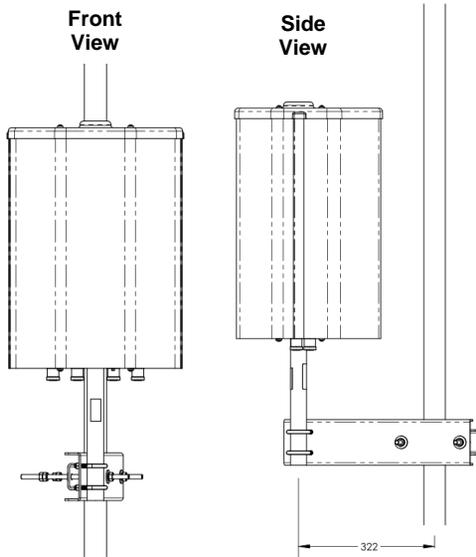


Fig. 4: Small Cell Cardioid Antenna Mounted with MBC-04 Top & Bottom Views

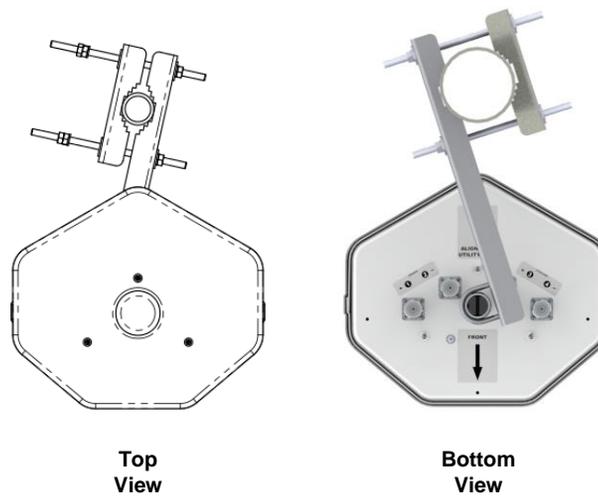
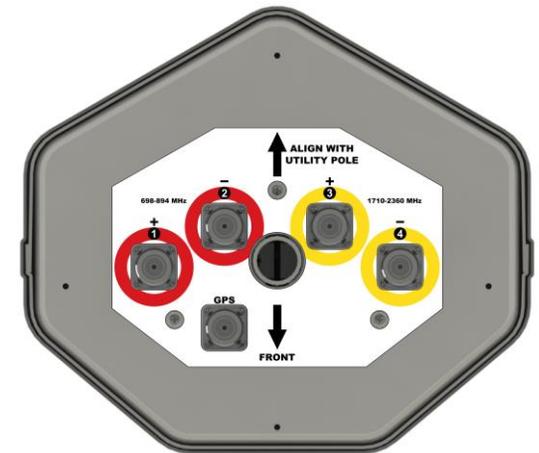


Fig. 5: Small Cell Cardioid Antenna Bottom View with Mounting and Connector Label



Step Task

- Place the antenna mast through the U-Bolt side of the mast bracket clamp assembly. Align the antenna first as specified in the datasheet in reference to the mast location. That is, make certain that the arrow indicating "Align with Utility Pole" (see label on the bottom of the antenna) is in fact pointing toward the mast. Torque the 5/16" mounting fasteners (on the U-bolts) to 14 N·m (10 ft-lbs).

Step Task

- Align the antenna in the direction specified by the site engineer by rotating the mast bracket clamp on the pole. Secure the mast bracket clamp to the pole. Torque the M10 mounting fasteners (on the threaded rod) to 20 N·m (15 ft-lbs), Refer to Antenna Installation Guide.

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