

MBC-09 Typical Mast Bracket Clamp Installation Guide

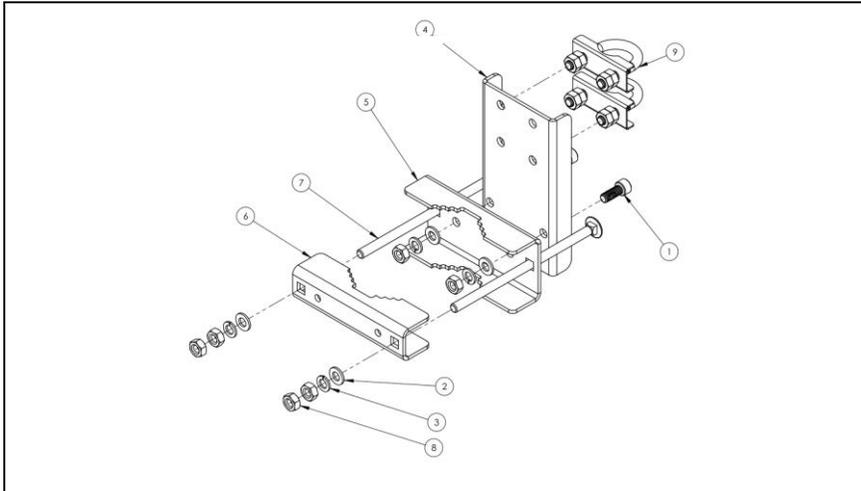


Fig. 1: MBC-09 Mast Bracket Clamp BOM

ITEM	QTY	DESCRIPTION
1	2	SHCS (SOCKET HEAD CAP SCREW), M10x1.5 x 25, SS, NYLOCK
2	4	WASHER, FLAT, M10, 20 OD, 1.8-2.2 THK, SS
3	4	WASHER, SPLIT LOCK, M10, 18 OD, SS
4	1	BRACKET, CLAMP, MBC-09, SMALL CELL ANTENNA
5	1	MAST BRACKET, CLAMP, TALL, MBC-09
6	1	CLAMP, ANTENNA MOUNT, QPA65R-W4B
7	2	BOLT, CARRIAGE, M10X1.5 X 210L, MIN 120 MM THREADED, DIN 603, STEEL, CLASS 9.8, ROHS HOT DIP GALV
8	6	NUT, HEX, M10X1.5, DIN 934, STEEL, CLASS 8, ROHS HOT DIP GALV
9	2	CLAMP ASSEMBLY, U-BOLT, 38MM ID, M10X1.5

Step Task

- 1 Hand tighten the Socket Head Cap Screws (Item 1) with the associated hardware to the Mast Bracket Clamp (Item 5), as shown in Fig. 1 above. Then torque the Socket Head Cap Screws to 20 N·m (15 ft-lbs).

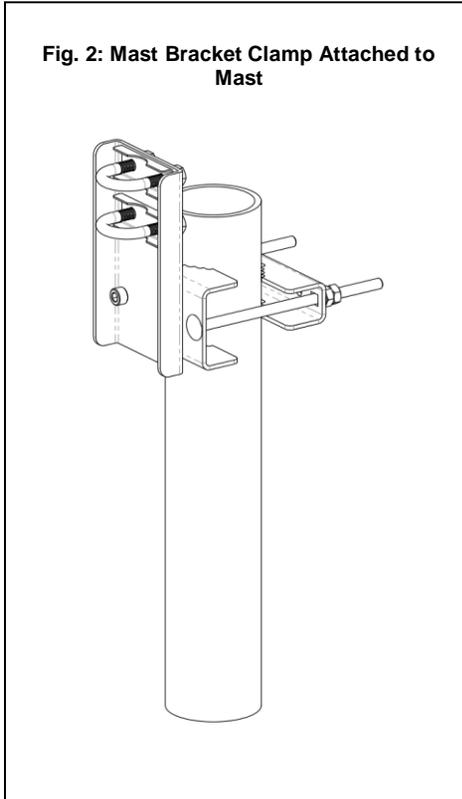


Fig. 2: Mast Bracket Clamp Attached to Mast

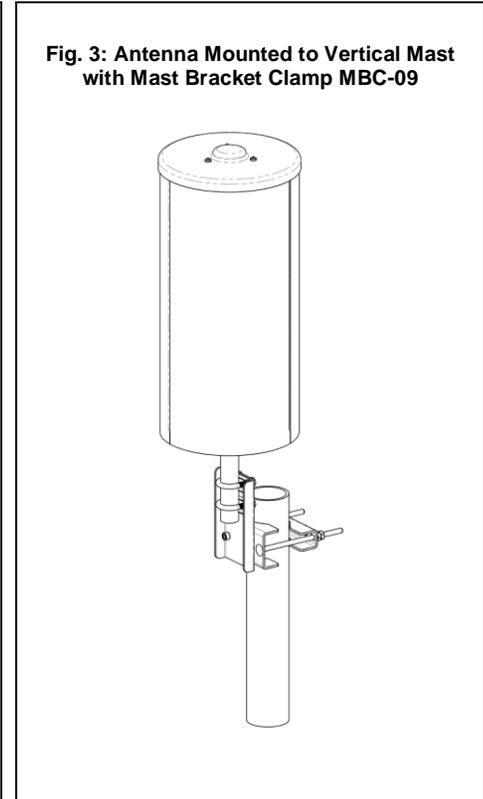


Fig. 3: Antenna Mounted to Vertical Mast with Mast Bracket Clamp MBC-09

Step Task

- 2 Install the Mast Bracket Clamp to the mast at the desired elevation and approximately pointing in the proper direction as shown in Fig. 2, and hand tighten the Carriage Bolts (Item 7) and associated hardware. Verify orientation is as required, then torque the Carriage bolts and associated hardware to 20 N·m (15 ft-lbs).
- 3 Align the antenna radiating direction (as indicated on the bottom of the antenna) to the direction specified by the site engineer as shown in Fig. 3. Hand tighten the Clamp Assembly (Item 9) hardware. Then torque the Clamp Assembly hardware to 20 N·m (15 ft-lbs).

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.