

Fig. 1: MBC-10 Mast Bracket Clamp BOM

| ITEM | QTY | DESCRIPTION |
|------|-----|------------------|
| 1 | 1 | LOCKING PIECE B |
| 2 | 2 | M12 THREADED ROD |
| 3 | 2 | LOCKING PIECE A |
| 4 | 4 | M12 SPLIT WASHER |
| 5 | 6 | M12 HEX NUT |

Fig. 2: Omni Antenna Mast Bracket Clamp Attached to Mast

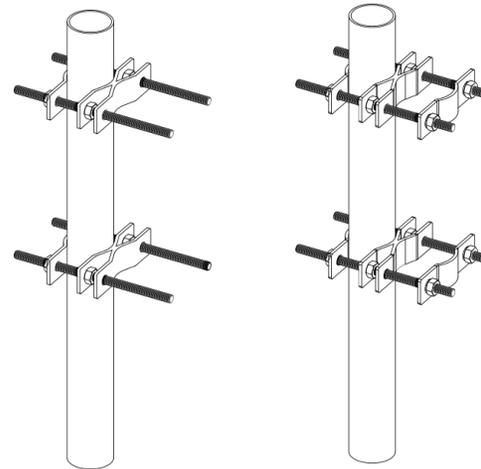
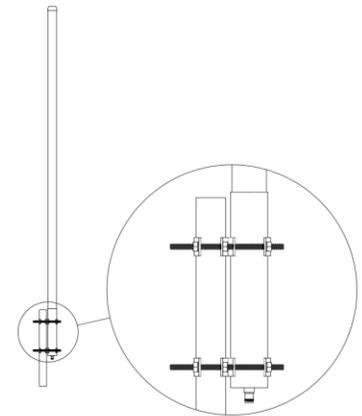


Fig. 3: Omni Antenna Mounted to Vertical Mast with Mast Bracket Clamp MBC-10



Step Task

- 1 In order to install the lower mast bracket clamp to the mast at the desired elevation and approximately pointing in the proper direction as shown in Fig. 2, loosen the two M12 nuts (Item 5), two split washers (Item 4) and locking piece A (Item 3) at one end of the mounting bracket and then put the mast bracket against the mast.
- 2 Place the lower mast bracket against the mast and place the split washers and M12 nuts onto the threaded rods (Item 2) on each side of the mast. Hand tighten the M12 nuts (Item 5) with the associated hardware to the mast bracket clamp on each side as shown in Fig. 2 above. Torque the Socket Head Cap Screws to 21 N·m (15.5 ft-lbs).
- 3 Repeat steps 1 & 2 for the upper mast bracket clamp assembly, while making certain the orientation is the same and the spacing between the two clamp assemblies is between 200 and 265 mm.

Step Task

- 4 In order to install the antenna to the mast bracket clamps, loosen the two M12 nuts (Item 5), two split washers (Item 4) and locking piece B (Item 1) at the other end of the mast bracket clamp assembly for both the lower and upper clamp assemblies. Then put the antenna within the mast bracket clamps as shown in Figure 3.
- 5 Hand tighten the mast bracket clamp assembly hardware on both the lower and upper clamp assemblies. Then torque the mast bracket clamp assembly hardware to 21 N·m (15.5 ft-lbs) for both the lower and upper clamp assemblies.
- 6 After the antenna is installed, verify that it is "plumb," and if not loosen one of the clamps and move or rotate the clamp to align the antenna to be "plumb." Hand tighten the hardware, and verify that the antenna remains "plumb." Torque the mast bracket clamp assembly hardware to 21 N·m (15.5 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.