

Fig. 1: 2-Axis Adjustable Mast Bracket Only BOM

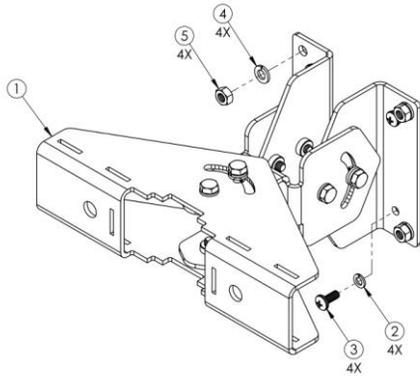


Fig. 2: 2-Axis Adjustable Mast Bracket Shown With Horizontal Alignment at 0°

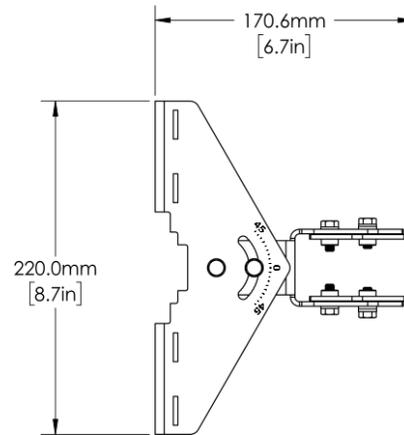
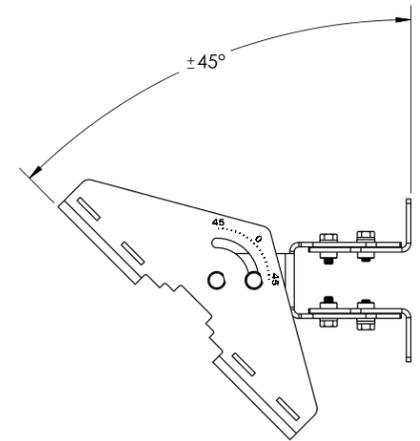


Fig. 3: 2-Axis Adjustable Mast Bracket Shown With Horizontal Alignment at 45°



ITEM	QTY	DESCRIPTION
1	1	ANTENNA MAST BRACKET, ADJUSTABLE, METRIC, MBK-14
2	4	WASHER, M5, SPLT LK, SS
3	4	SCREW, PPH, M5-0.8 X 12L, DIN 127B SS
4	4	WASHER, M6, SPLT LK, STEEL
5	4	NUT, HEX, M6x1, DIN 934, CLASS 8, STEEL

Step Task

- 1 The 2-Axis Adjustable Mast Bracket with Mast Clamp can be pole mounted. See Fig. 1 for the 2-Axis Adjustable Mast Bracket BOM. Refer to Antenna Installation Guide. See Fig. 5 for mounting using M6 hardware, and Fig. 6 (backwards compatibility with MBK-08) for mounting using M5 hardware.

Step Task

- 2 The 2-Axis Adjustable Mast Bracket is shown with horizontal alignment at 0° mechanical tilt in Fig. 2, and 45° mechanical tilt in Fig. 3.

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.

Adjustable Mast Bracket Installation Guide MBK-24

Fig. 4: 2-Axis Adjustable Mast Bracket Shown With Vertical Alignment at 45°

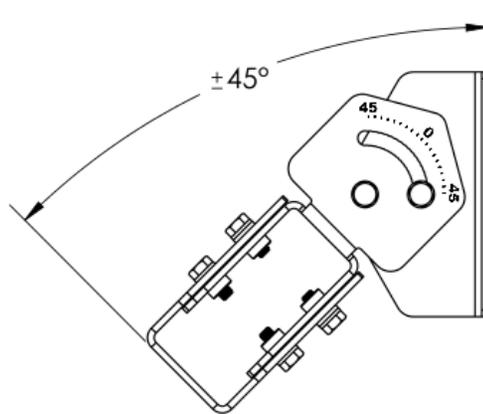
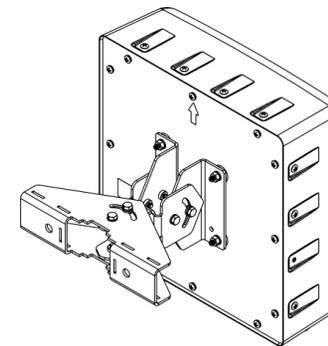
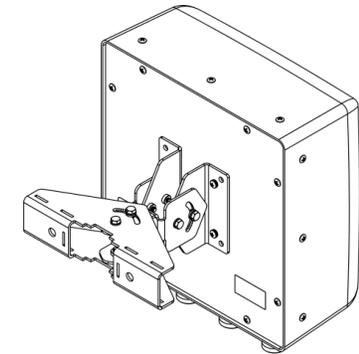


Fig. 5: 2-Axis Adjustable Mast Bracket Mounted on Antenna with M6 HW



M6 HARDWARE
SQ 90.8MM BOLT PATTERN

Fig. 6: 2-Axis Adjustable Mast Bracket Mounted on Antenna with M5 HW

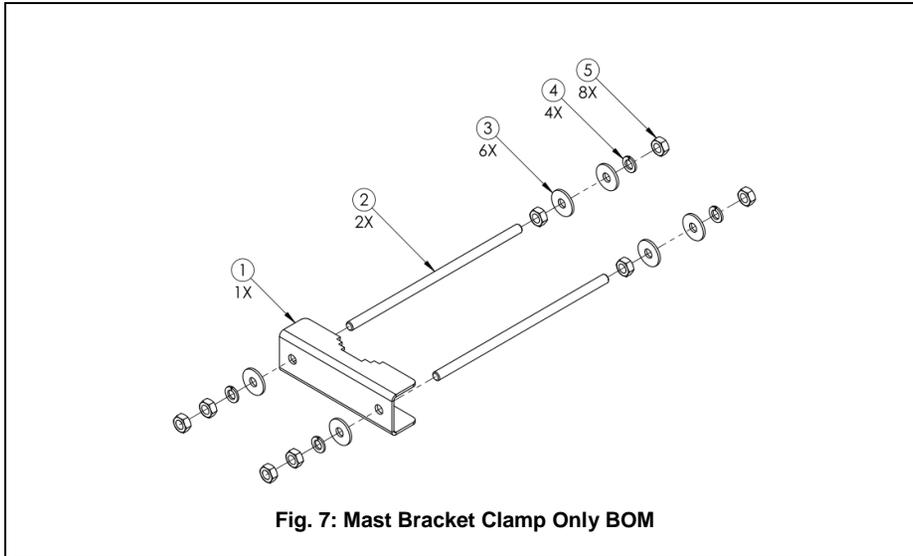


M5 HARDWARE
SQ 70.8 MM BOLT PATTERN
BACK COMPATIBLE WITH MBK-08

Step	Task
3	The 2-Axis Adjustable Mast Bracket is shown with vertical alignment at 45° mechanical tilt in Fig. 4.
4	When using M6 hardware for mounting, assemble the Adjustable Mast Bracket to the antenna, and torque the M6 hardware to 8.0 N-m (5.8 ft-lbs). See Fig. 5 for a view of the 2-Axis Adjustable Mast Bracket mounted on the antenna.
5	When using M5 hardware for mounting, assemble the Adjustable Mast Bracket to the antenna, and torque the M5 hardware to 2.5 N-m (1.8 ft-lbs). See Fig. 6 for a view of the 2-Axis Adjustable Mast Bracket mounted on the antenna.

DISCLAIMER:

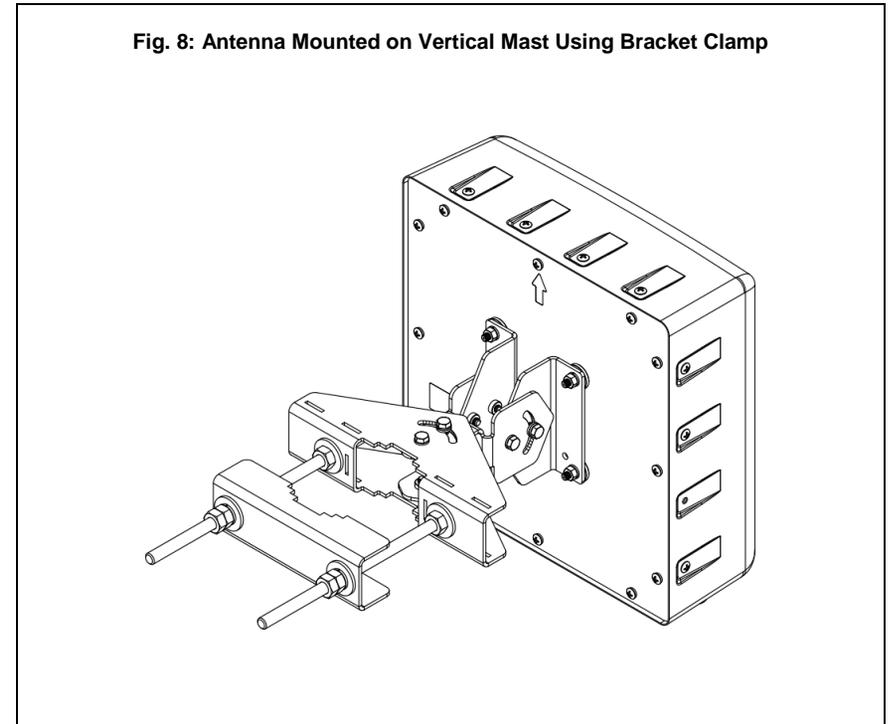
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ITEM	QTY	DESCRIPTION
1	1	MAST BRACKET, CLAMP
2	2	THREADED ROD, M10X1.5, 250L, DIN 975, CLASS 8.8, ROHS HOT DIP GALV
3	6	WASHER, FLAT, M10, 30 OD, MIN 2.3 THK, DIN 9021, STEEL, ROHS HOT DIP GALV
4	4	WASHER, SPLT LOCK, M10, DIN 127B, STEEL, ROHS HOT DIP GALV
5	8	NUT, HEX, M10X-1.5, DIN 934, STEEL, CLASS 8, ROHS HOT DIP GALV

Step Task

- 6 Attach the mast bracket clamp to the adjustable mast bracket as shown in Fig. 8. Refer to the materials list shown in Fig. 7 to properly identify the required items.
- 7 Adjust the position of the threaded rod on the antenna side of brackets as required. Torque nuts to 20 N-m (15 ft-lbs).



Step Task

- 8 For pole mounting the 2-Axis Adjustable Mast Bracket, the Mast Bracket Clamp is utilized as shown in Fig. 8 to mount the Adjustable Mast Bracket on a 2" to 4.5" mast.
- 9 When mounting the antenna to a mast while using the Mast Bracket Clamp, lift the antenna up to the mast location to continue assembly. Mount the antenna with the Adjustable Mast Bracket to the mast using the M10 hardware supplied with the Mast Bracket Clamp. Secure the antenna and Adjustable Mast Bracket to the mast and torque all mounting fasteners to 20 N-m (15 ft-lbs).

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