Mast Bracket Clamp Installation Guide
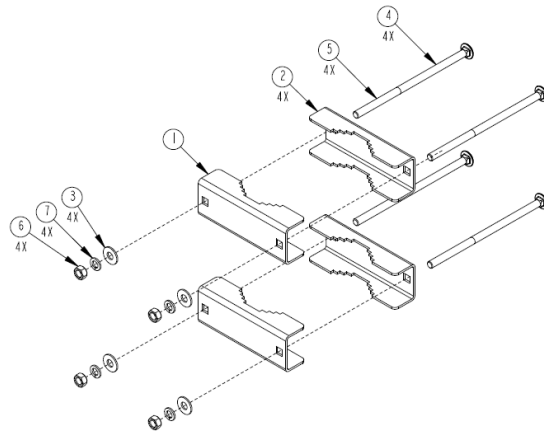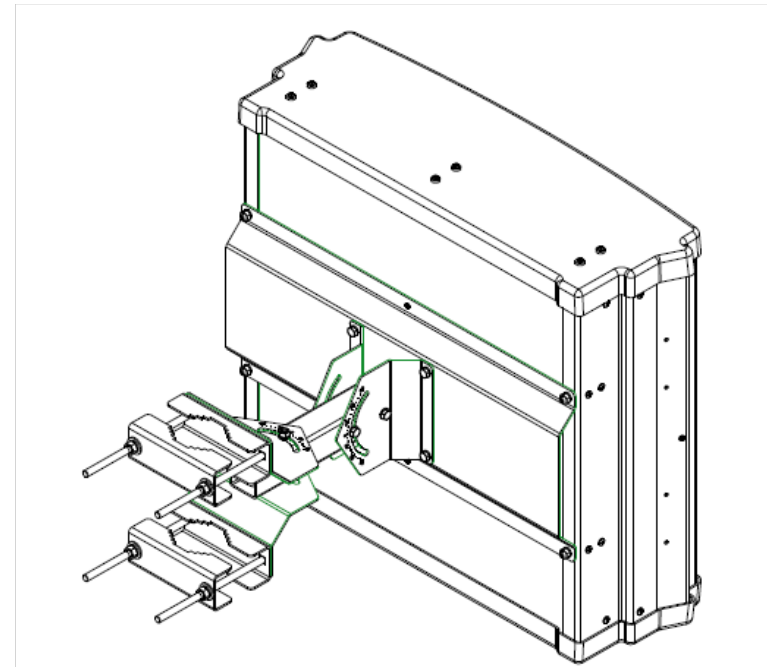

Fig. 1: Mast Bracket Clamp BOM

ITEM	QTY	DESCRIPTION
1	1	MAST BRACKET, CLAMP, METRIC, M65-1.5
2	4	MAST BRACKET, CLAMP, M65-1.5
3	4	WASHER, 11.1 MM ID, 25.4 MM OD, FL, GALV
4	4	BOLT, CARRIAGE, M10X1.5 X 130L, MIN 65 MM THREADED, DIN 603, STEEL, CLASS 9.8, ROHS HOT DIP GALV
5	4	BOLT, CARRIAGE, M10X1.5 X 210L, MIN 65 MM THREADED, DIN 603, STEEL, CLASS 9.8, ROHS HOT DIP GALV
6	4	NUT, HEX, M10X-1.5, DIN 934, STEEL, CLASS 8, ROHS HOT DIP GALV
7	4	WASHER, SPLT LK, M10, DIN 127B, STEEL, ROHS HOT DIP GALV

Fig. 2: BSA Antenna w/Adjustable Mast Bracket Mounted on Mast Bracket Clamp Kit

Step	Task
1	Determine the mast size to which the antenna shall be mounted, and select the appropriate length carriage bolts for the clamps. For a mast diameter of 50mm to 75mm (2" to 3"), use the 130mm long carriage bolts provided. For a mast diameter of 75mm to 125mm (3" to 5"), use the 210mm long carriage bolts provided.
2	Attach the two mast bracket clamps to the adjustable mast bracket as shown in Fig. 2. Refer to the materials list shown in Fig.1 to properly identify the required items.

Step	Task
3	Lift the antenna up to the mast location to continue assembly.
4	Align the antenna in the direction specified by the site engineer. The orientation of the antenna is normal to the sector unless specifically required otherwise.
5	Secure the BSA to the mast and torque all mounting fasteners to 20 N·m (15 ft-lbs). Refer to Antenna Installation Guide.