

# Installation instructions for Products with SMA Connectors



Many Taoglas antennas and RF products are supplied with SMA Connectors mounted either directly to the product or via an RF cable. In order to ensure that the product is mounted properly and engaged enough to functions correctly, the SMA connector must be tightened to a specific torque value depending on the material type of the connector. A specific “break over” torque wrench, rated in Nm or in-lb, should be used to fix the SMA connector in place.



For SMA connectors manufactured from Brass, the torque wrench with a value should be 0.57N-m (5in-lb)



For SMA connectors manufactured from Stainless Steel, a torque value of 0.9N-m (8in-lb) should be used.

## Instructions:

### Tools Required:

Torque wrench for the correct value depending on SMA material type.

### PRIOR TO MATING:

The coupling nut should turn freely with respect to the connector anti-torque hex. Visually verify that the coupling nut threads and the mating face are free of foreign objects, if necessary clean with alcohol.

### INSTALLATION:

Grasp the coupling nut of the connector and attach to the mating connector. Gently turn the coupling nut of the anti-torque connector 3 to 4 turns until a slight resistance is felt. The cable should not rotate during this part of the installation process.

### TORQUE:

Place the torque wrench, on the coupling nut of the connector. Place a wrench, on the anti-torque hex. While holding the wrench steady (no rotation), tighten the coupling nut until the torque wrench releases.

