



TACO Antenna Installed on the Queen Elizabeth

## SHIPBOARD ANTENNA MODELS

Our MULTIPOL<sup>TM</sup> line of VHF and UHF dipole antennas have been specifically developed for air traffic control, ground-to-air, ground-air-ground, and naval applications.

TACO Antenna's multiple output antenna design offers the operation of up to four stacked dipoles operating simultaneously within one radome.

### Reliable

- Rugged lightweight construction
- Long-term life cycle results in cost savings
- Double clamp
- 3-year warranty

### Reduce Footprint

- Multiple outputs
- Combination of VHF and UHF frequencies
- High isolation between antenna elements

### Proven Performance

- Used by Navies around the world
- Designed to meet MIL-STD-810G
- Reduced installation time/cost



Countries Served



D2118-M2G



## SPECIFICATIONS

### Environmental

- Designed to meet MIL-STD-810G
- Operating Temp. -40° to 70°C (-40° to 158°F)

### Electrical

- Vertical Polarization
- Omni-directionality within 1 dB
- VSWR (max) 2:1
- Impedance 50 Ohms
- VHF Applied Power 350W
- UHF Applied Power 250W
- Vertical Beam Deviation  $\pm 10^\circ$  (horizon)
- 'N' Female connector

## VHF FREQUENCIES

| Model      | Number of Connectors |         | Gain (dBi) | Isolation Min (dB) | HPBW (°) | Mast OD (in) | Antenna Length (in/cm) | Antenna Weight (lbs/kg) | Color            |
|------------|----------------------|---------|------------|--------------------|----------|--------------|------------------------|-------------------------|------------------|
|            | Frequency (MHz)      |         |            |                    |          |              |                        |                         |                  |
|            |                      | 150-174 |            |                    |          |              |                        |                         |                  |
| D2212A-M2G |                      | 2       | 2.0        | 30                 | 75       | 3            | 122.7/311.7            | 14.8/6.7                | Battleship Grey* |

## UHF FREQUENCIES

| Model     | Number of Connectors |  | Gain (dBi) | Isolation Min (dB) | HPBW (°) | Mast OD (in) | Antenna Length (in/cm) | Antenna Weight (lbs/kg) | Color           |
|-----------|----------------------|--|------------|--------------------|----------|--------------|------------------------|-------------------------|-----------------|
|           | Frequency (MHz)      |  |            |                    |          |              |                        |                         |                 |
|           | 225-400              |  |            |                    |          |              |                        |                         |                 |
| D2214-M2G | 2                    |  | 2.0        | 30                 | 75       | 3            | 85.4/216.9             | 10.5/4.8                | Battleship Grey |
| D2219-M2G | 3                    |  | 2.0        | 30                 | 75       | 3            | 122.7/311.7            | 16.0/7.3                | Battleship Grey |
| D2221-M2G | 4                    |  | 2.0        | 30                 | 75       | 3            | 169.4/430.3            | 19.0/8.6                | Battleship Grey |

## VHF/UHF FREQUENCIES

| Model     | Number of Connectors |         | Gain (dBi) | Isolation Min (dB) | HPBW (°) | Mast OD (in) | Antenna Length (in/cm) | Antenna Weight (lbs/kg) | Color           |
|-----------|----------------------|---------|------------|--------------------|----------|--------------|------------------------|-------------------------|-----------------|
|           | Frequency (MHz)      |         |            |                    |          |              |                        |                         |                 |
|           | VHF                  | UHF     |            |                    |          |              |                        |                         |                 |
|           | 108-174              | 225-400 |            |                    |          |              |                        |                         |                 |
| D2241-M2G | 1                    | 1       | 2.0        | 41                 | 75       | 3            | 97.9/248.7             | 14.5/6.6                | Battleship Grey |
| D2318-M2G | 1                    | 2       | 2.0        | 30                 | 75       | 3            | 115.4/293.1            | 15.0/6.8                | Battleship Grey |
| D2418-M2G | 2                    | 1       | 2.0        | 30                 | 75       | 3            | 169.4/430.3            | 18.0/8.2                | Battleship Grey |

\*RAL Number 7012

TACO Antenna's ongoing policy of continuing development may result in specification changes to its products.