

# COMROD AR42M, AR42MT

## 13,5' - 4 m Receiving Whip

### Application:

AR42 is an efficient fibreglass receiving antenna for the marine coastal and HF communication frequencies.

The AR42T version is equipped with transformer, which acts as a matching unit to the feeding cable. The T modification is highly recommended when long feeding cable is necessary or when the antenna are to be used for low frequencies.

This antenna can be supplied with protection against static discharges that can harm the receiver, contact Comrod for prices and delivery time.

### Electrical specifications:

|                 |   |
|-----------------|---|
| Frequency range | AR42: 0.15-30MHz<br>AR42T, with transformer: 0.15-30MHz |
| Pattern         | Omnidirectional   |
| Polarization    | Vertical  |

### Mechanical specifications:

|                             |  |
|-----------------------------|--|
| Design                      | Selfsupporting fibreglass whip with aluminium armature for mounting. |
| Height                      | 13.5 ft. (4.1 m.)  |
| Weight                      | 2.7 kg, including U-bolts.   |
| Number of sections          | 1  |
| Wind rating                 | 55 m/s = 125 mph   |
| Deflection due to wind load | 1.9 m ( 6.2 ft) at tip ball at 55 m/s wind load                      |
| Finish                      | Polyurethane lacquer, white  |
| Temperature range           | -55 °C, +55 °C; -67 °F, +131 °F                                      |
| Water Proofing              | IP67   |

### Mounting:

AR42 is easily mounted to the bulkhead by means of 4 bolt-holes in the aluminium bracket, or to a mast or tube with U-bolts. The U-bolts in stainless steel are included.

Suitable cable: RG8, RG213 or similar.

To increase effective height, or in case of emergency, the bracket is supplied with a terminal for external wire antenna.

The antenna is equivalent to AR40.

