

# COMROD AS1R

## Radio Beacon Transmitting Antenna

### Application:

Comrod's AS1R radio beacon transmitting antenna is a high quality glassfibre antenna, designed to operate in the frequency range 200-1800 kHz. Its construction makes it ideal for use in harsh environments and when high efficiency is required.

### Electrical specifications:

Frequency range	200-1800 kHz
Power rating	150 W
Resonance frequency	1900 kHz
Static capacitance	130 pf at 300 kHz

### Mechanical specifications:

Design	Selfsupporting fiberglass mast antenna. Brackets in hot dip galvanized steel.	
Height	8 m (27 ft)	
Weight	12.0 kg	
Sections	Base section ASB1:	6.9 kg
	Top section APN1:	1.5 kg
	Top whips (4) APN3:	2.1 kg
Wind rating	55 m/s = 125 mph	
Moment of flexure	90 kpm at 55 m/s	
Deflection due to wind load	3.9 m (13 ft) at tip ball at 55 m/s wind load	
Finish	Polyurethane lacquer, white	
Temperature range	-55 °C, +55 °C, -67 °F, +131 °F	
Ice buildup	Not affected	

### Mounting:

Mounting by means of 2 x M10 bolts to welded brackets or to a mast by means of the ATC-mounting (included).

Suitable feeding cable: 7 x 7 x 0.6mm hard drawn copperwire.

