

Connector

Bottom view

### Application:

The AC10 is a broad band antenna for a very large frequency range in the VHF and UHF bands. Based on your requirements, it can be delivered with or without the lower whips that extends the bottom frequency limit. The construction is very rugged, and the antenna is well suited for use on ships, and in other harsh environments.

### Electrical specifications:

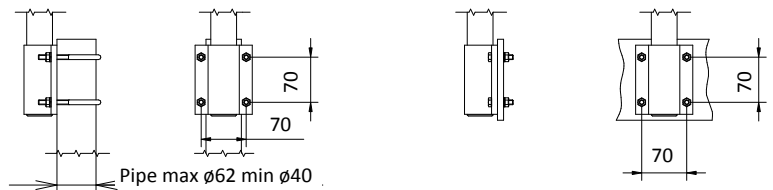
Frequency range	108-1500 MHz, 250mm lower whips (standard) 160-1500 MHz, without lower whips (option) 100-1500 MHz, 350mm lower whips (option)
Impedance	50 W
Power rating	500W < 400MHz, 250W >400MHz
Radiation pattern	Horizontal plane: Omnidirectional
Gain	2dBi typ.
Polarization	Vertical
VSWR*	2:1 115-1000MHz 2.5:1 108-115 & 1000-1500MHz
Connector	N-female, others on request.

\* 100-1500 MHz version VSWR 2.3:1 130-1000 MHz, 3.5:1 100-130 & 1000-1500 MHz

### Mechanical specifications:

Design	Broadband coaxial dipole. Made from aluminium and fibreglass.
Length	106cm with base
Weight	5 kg
Wind rating	55 m/s
Moment of flexure	200 Nm at 55m/s
Finish	Polyurethane lacquer, white. Other colours on request.
Temperature range	-55 °C, +71 °C; -67 °F, +160 °F

### Mounting:



Must withstand moment of flexure (see mechanical specifications)  
Use M8 bolts and nuts