

World's Leading Manufacturer of Fibreglass Whip Antennas

35-Foot Heavy Duty Naval Whip Antenna AS-2537C/SR

TYPICAL APPLICATIONS

AN/URC-32
AN/URC-36
AN/URT-23
AN/URT-24
AN/WRC-1
AN/WRT-1
AN/URA-22
AN/URA-38
OE-5006/SRC

Valcom LTD
THE SOURCE FOR NAVAL ANTENNAS

Valcom's AS-2537C/SR 35-foot whip antenna was designed and built to meet the U.S. Navy requirements for shipboard antennas, specifically MIL-A-24319B(EC) and NAVELEX 0967-423-9010. It meets or exceeds these requirements in every respect.

The mechanical strength is achieved with a patented process using high strength filament fibreglass and epoxy resin. The base section acts as an insulator as the feed-point is 12" from the bottom. The base section is an integral part of the antenna thus giving maximum strength. Electrical stability is obtained by employing multiple beryllium copper conductors imbedded in the epoxy fibreglass. A specially designed bronze ferrule is used to join the two sections together.

This antenna is in operational use by the following navies: United States, Canadian, British, Australian, Greek, Spanish and South Korean.

Over 3000 of these antennas have been manufactured since 1969 and some of the original models are still in service.

FEATURES

- Heavy duty
- High reliability
- Matches a range of communications systems

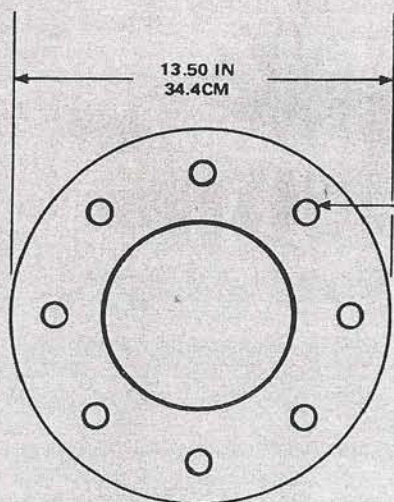
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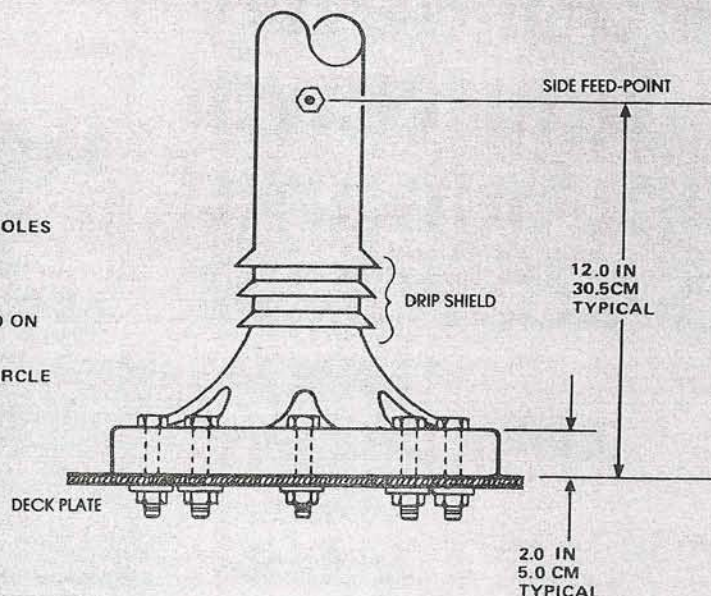
Patented Integrated Bases ensure strength and dependability

NATO STOCK NUMBER 5985-00-431-8743

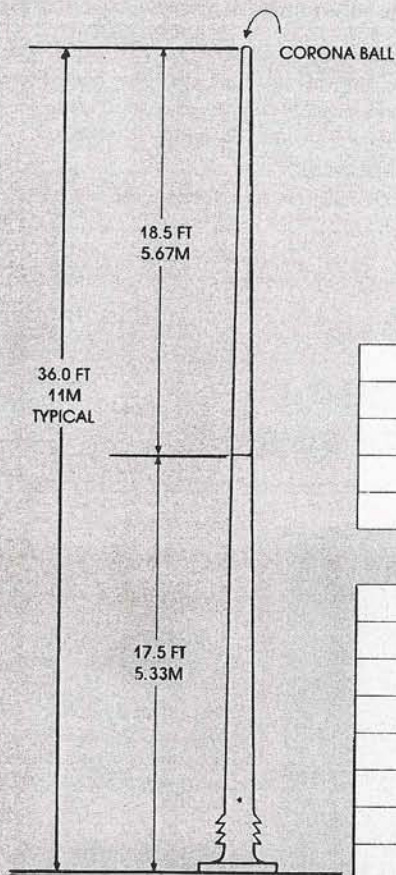
QUICK REFERENCE DATA



MOUNTING HOLES
0.678 IN
1.72 CM
DIAMETER
(8 PLACES)
EQUAPLACED ON
10.75 IN
27.3 CM
DIAMETER CIRCLE



DIMENSIONS AND MOUNTING DETAILS



AS-2537C/SR

ELECTRICAL CHARACTERISTICS

Frequency Range	1.6 MHz to 30 MHz with tuner
Resonant Frequency	5.9 MHz
Power Rating	5 KW Average Power
Dry Withstanding Voltage	25 KV
Electrical Length	10.6 M (35.0 FT)

MECHANICAL CHARACTERISTICS

Mechanical Length	11 M (36.0 FT)
Base Insulator	Epoxy Fibreglass
Top Termination	Brass Corona Ball
Joints	Bronze Threaded Section with Lock Pin
Wind Loading Test	To 240 Km/Hr (150 MPH)
Ice Loading Test	1.87 CM (.75 inch) Ice at 160 Km/Hr (100 MPH)
Center of Gravity	4.2 M (13.7 FT)
Temperature	-50°C to 65°C (-60°F to 150°F)
Finish	Epoxy Polyamide Paint
Weight	64 Kg (141.0 Pounds)

United States Patent Number 3,725,944 Applies

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