



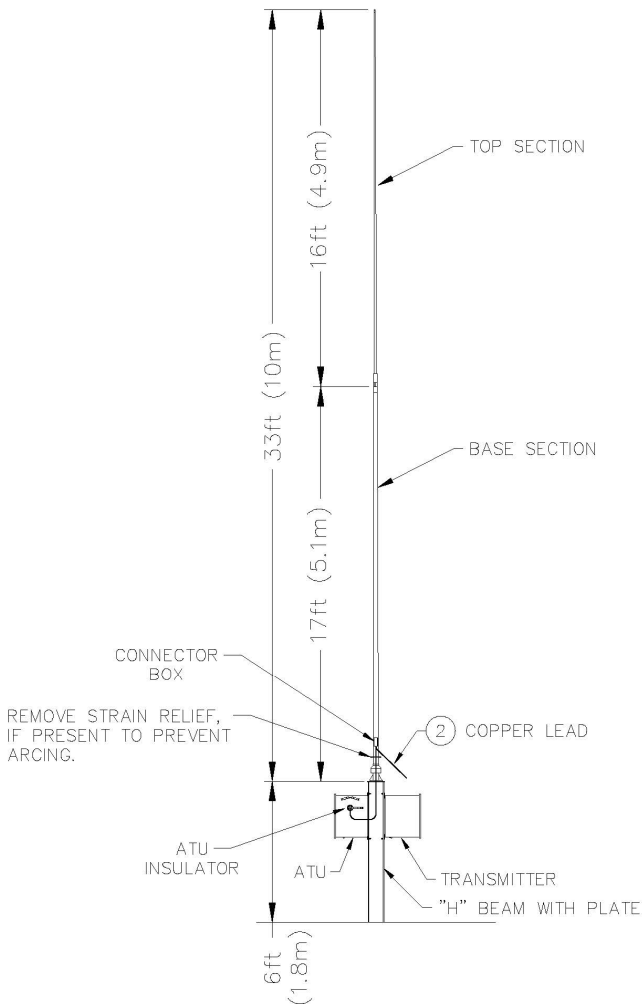
# Southern Avionics Company

## 10m Fiberglass Whip Antenna - Offshore (With 6ft H Beam)

Part Number: SLF10078

SPECIFICATION SHEET

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FEATURE	SPECIFICATION
Frequency Range	300 - 1800 kHz
Power Rating	500 Watts PEP
Pattern	Omnidirectional
Polarization	Vertical
Electrical Length	16 ft. (5m)
Height	33 ft. (10m)
Weight	42 lbs (18.9 kg)
Wind Rating	125 mph (55m/s)
Moment of flexure	275 kpm at 55m/s
Deflection due to wind load	17 ft. (5m) at tip ball at 55m/s wind load
Temperature Range	-55°C - +55°C
Option	Tilting Plate 9D180000

### Application:

The 10m Fiberglass Whip Antenna is a self-supporting fiberglass transmitting antenna with side feed for marine NDB applications. Polyurethane lacquer finish (white).

It can be used in conjunction with a SAC PC-1000C/3 Antenna Tuning Unit and SE125 NDB Transmitter, with the addition of PCBs Filter Bridge M-Band Module (500 - 1250 kHz, SLE45210) and Filter Bridge H-Band Module (1500 - 1800 kHz, SLE45220). Using all the modules, a frequency range of 300 - 1800 kHz can be achieved. It is recommended that for the frequency range 300 - 350 kHz output power be set at no higher than 100W for optimal performance.

The Antenna comes with a bronze flange for mounting. It can also be mounted directly to the deck. Optionally, it can be mounted with a tilting mechanism. (See the next page for mounting options)

\*Information provided is subject to change without notice

## Mounting Options

### Manual Tilting Mechanism

Part #: 9D180000

The Tilting Mechanism is designed for quick maintenance and repairs. The antenna can be lowered easily, without needing to dismount the antenna. The Tilting Mechanism is secured to the deck or a pedestal by 4, M12 bolts. The antenna itself is then mounted to the Mechanism by 8, M12 bolts. Max tilting angle, 105°.

Weight: 35 lbs. (16kg)

