



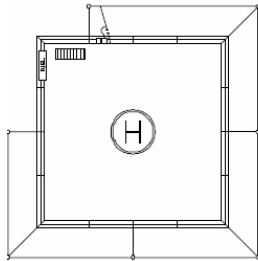
# Southern Avionics Company

## Helipad Antenna to CAP437

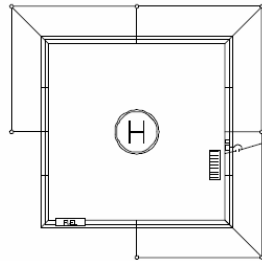
Part Number: SLF10023

SPECIFICATION SHEET

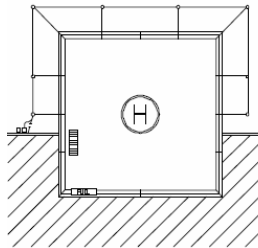
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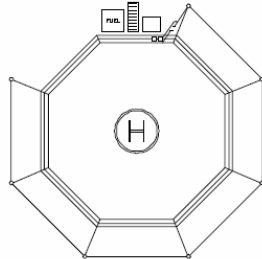
Square Helipad with End Fed Antenna Wire



Square Helipad with Center Fed Antenna Wire



Helipad Overhanging A Platform with an End Fed Antenna Wire



Octagon Helipad with End Fed Antenna Wire

### Application:

This is a special version of the standard Helipad antenna. The insulator support poles extend well below the deck to conform with CAP-437 requirements. Special assembly fixture is furnished.

The Helipad Antenna is a low frequency radiobeacon antenna designed for installation around the perimeter of the helicopter landing decks of offshore platforms and drilling ships. The kit includes 300 ft. (91.5m) Phosphor Bronze antenna wire, 8-1.3 ft. (.4m) silicone insulators, 8-4.4 ft. (1.3m) galvanized steel Insulator support poles and hardware.

The recommended distance between support arms is roughly 46 ft. (14m) apart for a 300 ft. (92m) antenna. Shorter lengths require fewer support poles. Support arms are required at each corner or angle of the deck. Antenna comes with 8 support poles.

| FEATURE              | SPECIFICATION  |
|----------------------|--|
| Wind Loading         | 152 mph (245km/hr)   |
| Wind Survival        | 156 mph (70m/s)  |
| Temperature Range    | -50°C - +70°C  |
| Frequency Range      | 190 - 535kHz, 535 - 1250kHz or 1500 - 1800kHz  |
| Resonant Frequency   | 2.5 MHz - 4.5 MHz (varies with installed length)                                     |
| Power Rating         | 250 Watts carrier, 1000 Watts PEP  |
| Effective Resistance | 10 Ohms overall  |
| Antenna Capacitance  | 300 ft. (91.5m)=800 pF<br>164 ft. (50m)=400 pF<br>(depends on installed length)      |
| Polarization         | Vertical   |
| Pattern              | Omnidirectional  |
| Electrical Length    | Depends on installed height above water  |
| Electrical Standoff  | All electrically (RF) hot conductors must be at least 1m from any structure          |
| Ice Loading          | Up to 0.4 in. (1cm) accumulation   |
| Finish               | Galvanized steel antenna structure; Stainless steel clamps; Phosphor Bronze radiator |
| Installed Weight     | 207 lbs (94kg)   |



\*Information provided is subject to change without notice

Helipad Installation Kit

