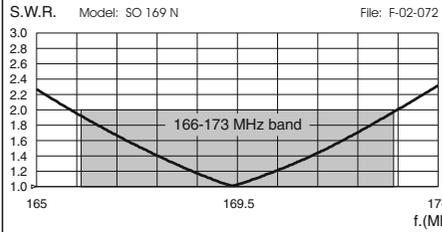


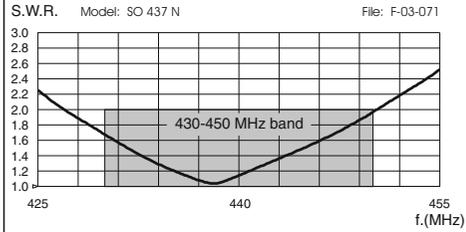
SO 169 N

TYPICAL S.W.R. RESPONSE



SO 437 N

TYPICAL S.W.R. RESPONSE



SO 169 N SO 437 N

Base Station Antennas ISM 169 MHz or 70cm bands

UP-DATED: now supplied w/ M3 bracket for mast or wall installation



SO 169 N



SO 437 N

Installation Manual



HI-QUALITY ANTENNAS MADE IN ITALY

DESCRIPTION

Base station antennas conceived for ISM 169 MHz or VHF 70cm systems. The radiant element are made of brass (for SO 169) or PCB (for SO 437) and protected by a strong fiberglass tube. SO 169/437 N are available with N-female connector with gold plated central pin.

SPECIFICATIONS

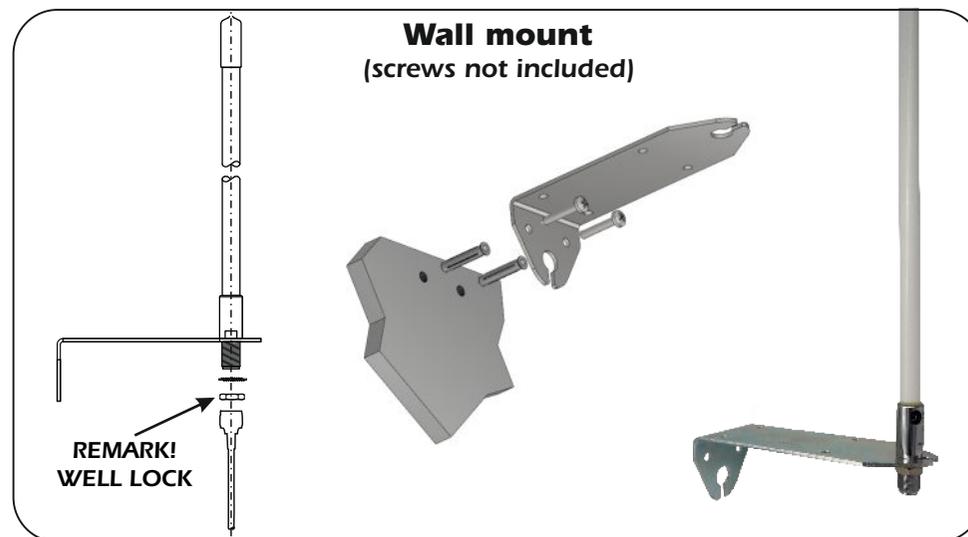
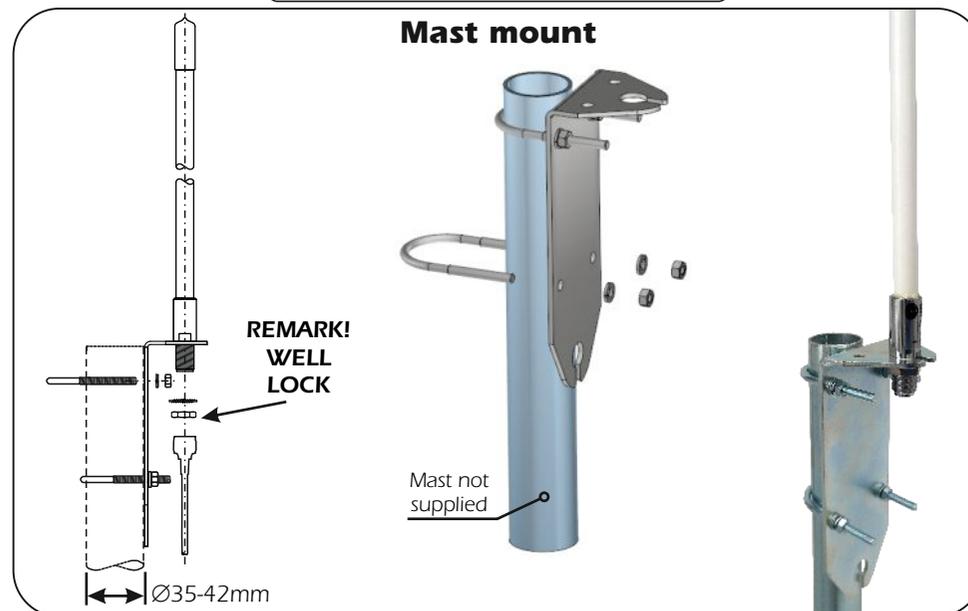
| Electrical Data | SO 169 N | SO 437 N |
|----------------------------------|---|-------------|
| Type | 1/2 λ | |
| Frequency Range @ SWR \leq 2.0 | 166-173 MHz | 430-450 MHz |
| Impedance | 50 Ω | |
| Radiation (H-plane) | 360° omnidirectional | |
| Polarization | Linear Vertical | |
| Gain | 0 dBd - 2.15 dBi | |
| Max Power (CW) @ 30° C | 50 Watt | 20 Watt |
| Grounding Protection | All metal parts are DC-ground, the inner conductor shows a DC-short | |
| Connector | N-female; gold plated central pin | |

Mechanical Data

| | | |
|-------------------------------|--|--|
| Housing & Radome Material | Fiberglass, Copper, Chromed Brass | |
| Bracket & Hardware Material | Galvanized steel | |
| Wind Load @ 150 Km/h, 93 mi/h | 16 N | 9 N |
| Wind Resistance | 140 Km/h; 87 mi/h | 200 Km/h; 124 mi/h |
| Wind Surface | 0.014 m ² ; 0.15 ft ² | 0.008 m ² ; 0.086 ft ² |
| Height (approx.) (no bracket) | 960 mm, 3.1 ft | 530 mm, 1.7 ft |
| Weight (approx.) (no bracket) | 260 gr, 0.57 lb | 150 gr, 0.33 lb |
| Operating Temperature | -40 °C to +80 °C | |
| Installation type | M3 bracket: Mast: \varnothing 35-42 mm, \varnothing 1.4-1.65 inch with U-bolt Wall: with screws (not included) | |



MOUNTING INSTRUCTIONS



| BRACKET re-order code: ST07404 | |
|-----------------------------------|------------------|
| Materials: | galvanized steel |
| Dimensions: | 195x60x70 mm |
| Weight: | 345 g |

| U-BOLTS re-order code: SA008 | |
|---------------------------------|-----------------------|
| Q.ty | Description |
| 2 | M6 U-bolt |
| 4 | M6 Exagonal nut |
| 4 | M6 Flat washer |
| 4 | M6 Spring lock washer |

| LOCK NUT re-order code: SA266 | |
|----------------------------------|------------------------|
| Q.ty | Description |
| 1 | 19mm Exagonal nut |
| 1 | M16 Spring lock washer |