**DESCRIPTION**

3/4 λ VHF antenna for base station service made of high quality materials to get the best performance and the maximum efficiency. It is completely manufactured with aluminium tubes and nylon for its great robustness and it is supplied with a solid steel bracket for an easy and safe installation. Its Gamma Match feed makes it earthed for a perfect protection against the static discharges. In the mentioned range of frequencies, adjustments are not required. Simple and strong it is particularly recommended for a professional use.

**SPECIFICATIONS**

**Electrical Data**

- **Type**: 3/4 λ Coax. J-Pole
- **Frequency Range @ SWR ≤ 1.5**:
  - CX 140 U/N 140 - 144 MHz
  - CX 144 U/N 144 - 148 MHz
  - CX 148 U/N 148 - 152 MHz
  - CX 152 U/N 152 - 156 MHz
  - CX 156 U/N 156 - 160 MHz
  - CX 160 U/N 160 - 164 MHz
  - CX 164 U/N 164 - 168 MHz
  - CX 168 U/N 168 - 172 MHz
  - CX 172 U/N 172 - 176 MHz
- **Impedance**: 50 Ω Unbalanced
- **Radiation [H-plane]**: 360° Omnidirectional
- **Radiation [E-plane]**: Beamwidth at -3 dB = 68°
- **Polarization**: Vertical
- **Gain**: 2 dBd - 4.15 dBi
- **Bandwidth @ SWR 2.0**: CX 140 ≥ 6.9 MHz, CX 144 ≥ 7.2 MHz, CX 148 ≥ 7.5 MHz
  - CX 152 ≥ 7.7 MHz, CX 156 ≥ 8.0 MHz, CX 160 ≥ 8.3 MHz
  - CX 164 ≥ 8.3 MHz, CX 168 ≥ 8.9 MHz, CX 172 ≥ 9.2 MHz
- **SWR @ res. freq.**: ≤ 1.2
- **Max Power**: 250 Watts
- **Feed System / Position**: Gamma Match / Base
  - **Connector**: CX series U: UHF-female
  - **CX series N: N-female**

**Mechanical Data**

- **Materials**: Nylon, Brass, Steel, Aluminium
- **Wind Load / Resistance**: 51 N at 150 Km/h / 180 Km/h
- **Wind Surface**: 0.04 m²
- **Height (approx.)**: from 1370 mm to 1660 mm
- **Weight (approx.)**: 750 gr
- **Mounting Mast**: Ø 35-42 mm

**MOUNTING INSTRUCTIONS**

**HARDWARE PARTS LIST**

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<td>U-bolts</td>
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<tr>
<td>n.4</td>
<td>M6 flat washer</td>
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<tr>
<td>n.4</td>
<td>M6 lock washer</td>
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<tr>
<td>n.4</td>
<td>M6 hex nut</td>
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**Left mounting on mast**

**Right mounting on mast**

**Wrong mounting on mast**