

G-CXL 2-1LW/...

Universal, Unity-Gain Base Station and Marine Antenna for the 160 MHz Band. Designed for defense uni

Beschreibung

- This multi-purpose, omnidirectional, 0 dBd, rod-type base station and marine antenna covers the 160 MHz band in two models with 10 MHz overlap and can be used in a wide variety of applications.
- The broad-banded $\frac{1}{2} \lambda$ dipole antenna element is sealed in a high-quality conical glass fibre tube with low wind-load, which will ensure undisturbed performance by corrosive environments.
- Provided with the sturdy "LW" mast mount - a lightweight, multipurpose, epoxy-coated mounting bracket made of non-corrosive aluminium.
- The cable can be led either on the outside or along the inside of the mast tube.
- Large bandwidth with respect to both VSWR and gain.
- G-CXL 2-1LW/... is DC-grounded to substantially reduce noise caused by atmospherical discharges and consequently shows a DC-short across the coaxial cable.



BESTELLUNG

Modell	Produkt Nr	Frequenz
G-CXL 2-1LW/l	110000185	146 - 165 MHz
G-CXL 2-1LW/h	110000186	155 - 175 MHz

SPEZIFIKATIONEN

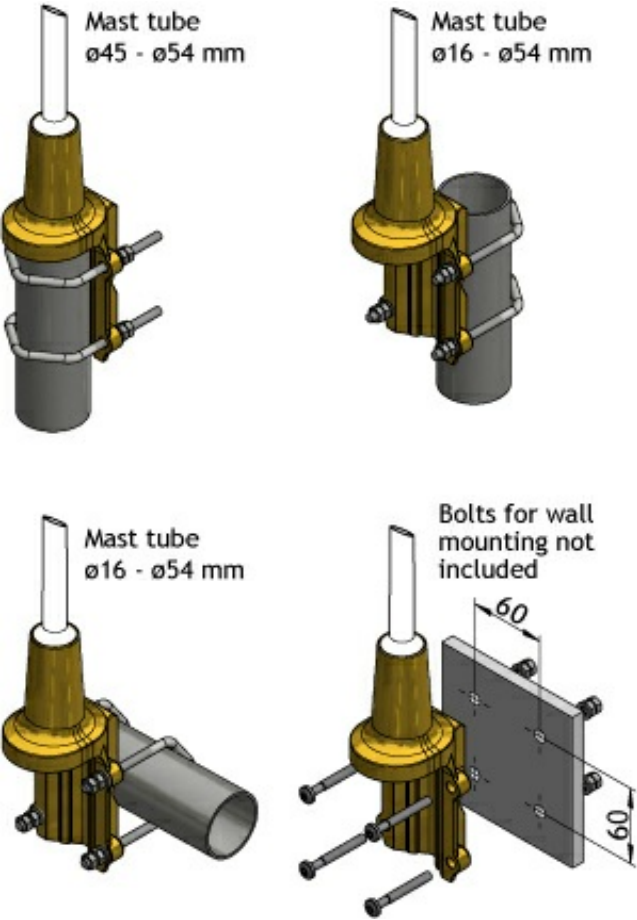
Elektrisch DE	
Modell	G-CXL 2-1LW/...
Frequenz	146 - 175 MHz
Antennentyp	Coaxial dipole, broad-banded
Max. Eingangsleistung	150 W
Polarisation	Vertikal
Muster-Art	Omnidirektional
Öffnungswinkel 3 dB, vertikal	80 °
Öffnungswinkel 3 dB, horizontal	Omnidirectional
Impedanz	50 Ω
Gewinn	0 dBd (2.2 dBi)
VSWR	G-CXL 2-1/l : 146 - 163 MHz ≤ 1.5:1 146 - 165 MHz ≤ 1.75:1 G-CXL 2-1/h : 156 - 174 MHz ≤ 1.5:1 155 - 175 MHz ≤ 1.75:1
Bandbreite	20 MHz
Antistatischer Schutz	Alle Metallteile DC-geerdet (Stecker zeigt einen DC-Kurzschluss)
HCM-Code(s)	HCM000ND00, 040DE00

Mechanisch DE	
Anschlusstyp	N(f)
Materialien	Shroud : Polyurethane-coated glass fibre Mounting bracket : Seawater resistant aluminium, epoxy-coated U-bolt and fittings : Stainless steel
Farbe	Green (RAL 6014)
Windbereich	0.019 sq. m
Windlast	27 N (160 km/h)
Dia. Am Oberen Ende	8 mm
Dia. Am Unteren Ende	16 mm
Höhe	ca. 1280 mm
Gewicht	ca. 0.76 kg
Montage	On 16 to 54 mm dia. mast tube

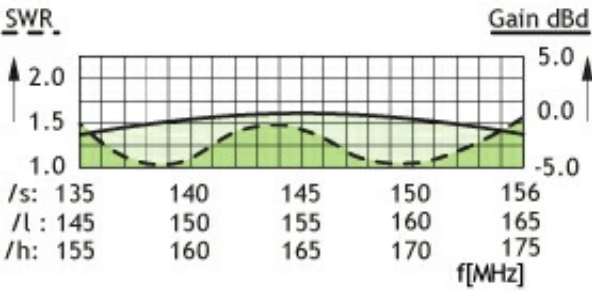
Umwelt	
Betriebstemperaturbereich	-30 °C to +70 °C
Max. Windgeschwindigkeit	200 km/h
IP Schutzklasse	IP66

DIAGRAM

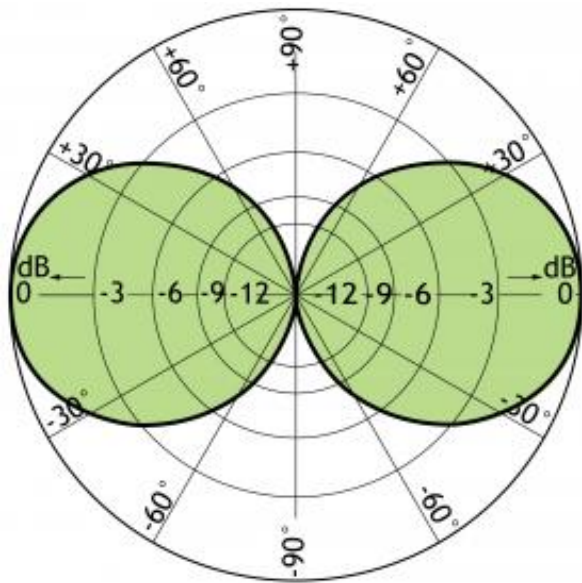
MULTI-PURPOSE MOUNTING BRACKET



TYPICAL GAIN AND SWR CURVES



TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)

