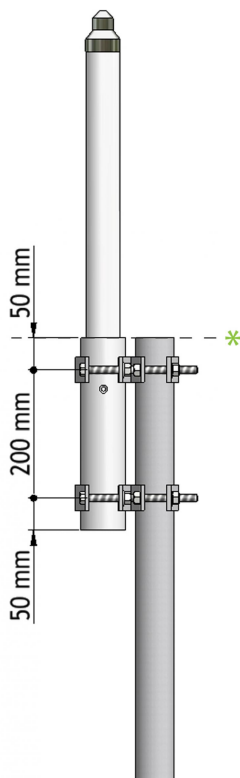


# CXL 700-3SL

Collinear, 3 dBd Base Station Antenna for the 700 MHz Band

## DESCRIPTION

- CXL 700-3SL is a 3 dBd, vertically polarized, omnidirectional base station antenna covering the 746 – 807 MHz band.
- The antenna is designed especially for high power of max. 500 W.
- The antenna is provided with our type "SL" (slim line) mast mount which is a multipurpose mounting tube made of non-corrosive aluminium. The accompanying clamp set and fittings are made of hot galvanized steel.
- CXL 700-3SL can be mounted on 33 to 70 mm dia. mast tubes.
- The carefully designed radiating element is sealed in a high-quality, conical glass fibre tube with low wind load ensuring performance undisturbed by corrosive environments.
- To substantially reduce noise caused by atmospheric discharges, all metal parts in the antenna are DC-grounded. Consequently, the antenna shows a DC-short across the coaxial cable.
- The exceptional mechanical capabilities of this antenna ensure long dependable service in all environments.



- \* The top of the mounting SL tube must be in alignment with the top of the mast.

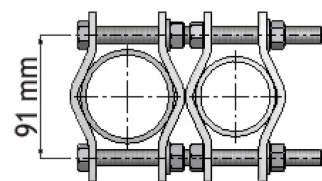
## ORDERING DESIGNATIONS

TYPE	FREQUENCY	PRODUCT NO.
CXL 700-3SL	746 – 807 MHz	10000475

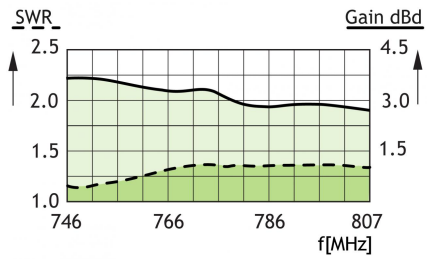
## SPECIFICATIONS

ELECTRICAL	
MODEL	CXL 700-3SL
ANTENNA TYPE	Collinear, broad-band
FREQUENCY	746 - 807 MHz
IMPEDANCE	Nom. 50 Ω
RADIATION	Omnidirectional
POLARIZATION	Vertical
GAIN	5 dBi 3 dBd
HALF POWER BEAMWIDTH	30°
BANDWIDTH	61 MHz
SWR	≤ 1.5
MAX. POWER	500 W
ANTISTATIC PROTECTION	All metal parts DC-grounded (Connector shows a DC-short)
MECHANICAL	
CONNECTOR	N-female
WIND SURFACE	0.033 m <sup>2</sup> / 0.36 ft <sup>2</sup>
WIND LOAD	38 N @ 160 km / 99.42 mph.
COLOUR	Marine white
MATERIALS	Shroud: Polyurethane-coated glass fibre Mounting bracket: Seawater-resistant aluminium, epoxy-coated Clamps: Stainless steel
TOTAL HEIGHT	Approx. 0.8 m / 31.5 in.
WEIGHT	Approx. 5.0 kg / 11.02 lb.
MOUNTING	On 33 - 70 mm / 1.3 – 2.76 in. dia. mast tube
ENVIRONMENTAL	
TEMP. RANGE	-30°C → +70°C

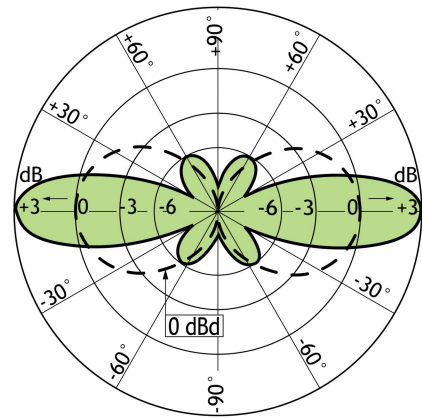
## PROCOM CLAMP SET (INCLUDED)



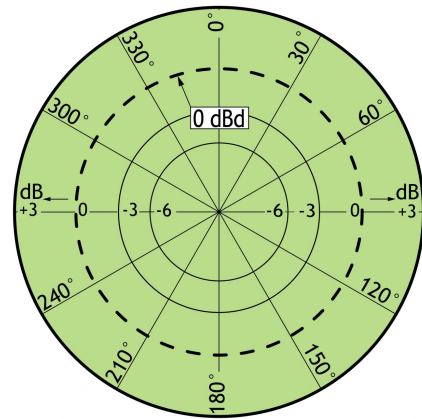
TYPICAL GAIN AND SWR CURVES



TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)



PROCOM A/S reserve the right to amend specifications without prior notice.  
19/12/13