

# CXL 1800-6

## 6 dBd Omnidirectional Base Station and Marine Antenna for the 1800 MHz Band

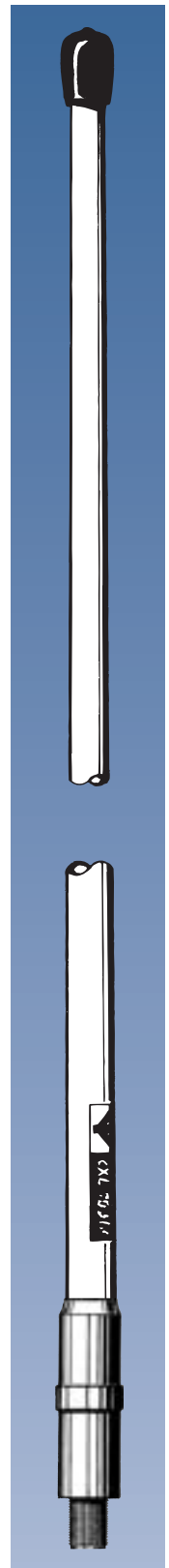
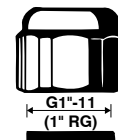
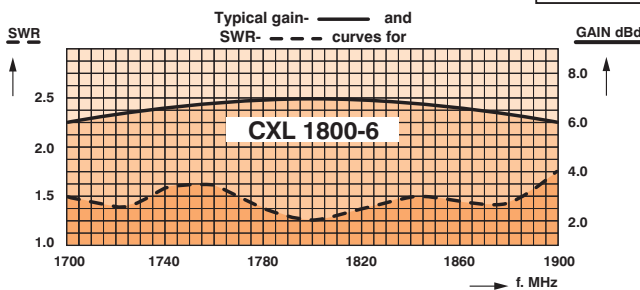
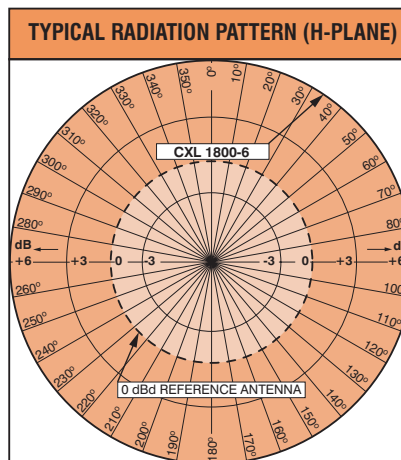
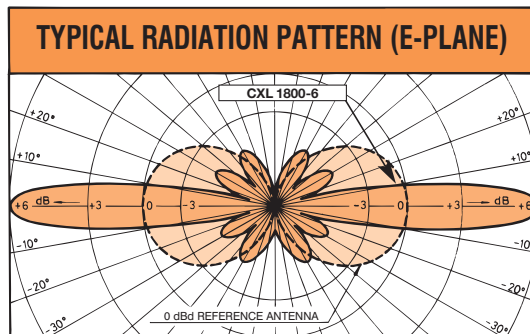


### DESCRIPTION:

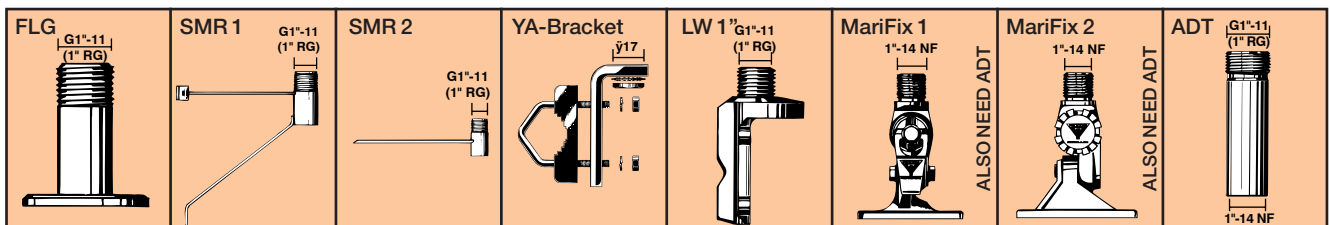
- ★ Vertically polarised, omnidirectional base station and marine antenna.
- ★ Approximately 6 dBd gain.
- ★ Simple mounting using the 1" revolving nut system.
- ★ Wide variety of accessory mounting brackets available.
- ★ Large bandwidth with respect to both SWR and gain.
- ★ Highly suitable for duplex operation with large spacing between the TX and the RX frequencies, e.g. the DCS-1800/PCN cellular system.
- ★ The antenna element is sealed in a high-quality, conical glassfiber tube.
- ★ All metal parts in the antenna are DC-grounded to reduce the noise caused by atmospherical discharge. Consequently, the antenna shows a DC-short across the coaxial cable.
- ★ The CXL 1800-6 is a vibration-proof, lightweight, slim-line, corrosion resistant, modern style base station and marine antenna.

### SPECIFICATIONS:

ELECTRICAL	
MODEL	CXL 1800-6
ANTENNA TYPE	Coaxial, colinear antenna, broad-banded
FREQUENCY	1700-1900 MHz
IMPEDANCE	Nom. 50 Ω
POLARISATION	Vertical
GAIN	8 dBi 6 dBd
BAND WIDTH	≥200 MHz @ SWR ≤ 1.75
SWR	≤ 1.75, typ. ≤ 1.5
MAX. POWER	100 watts
ANTISTATIC PROTECTION	All metal parts DC-grounded (Connector shows a DC-short)
MECHANICAL	
TEMP. RANGE	-30° C → +70° C
CONNECTOR	N-female
WIND SURFACE	Approx. 0.03 m <sup>2</sup>
WIND LOAD	Approx. 38 N @ 160 km/h
COLOUR	Marine white
MATERIALS	Shroud: Polyurethane coated glassfiber Mounting bracket: Chromed brass
TOTAL HEIGHT	Approx. 1.15 m
DIA. IN TOP END	21 mm
DIA. IN BOTTOM END	23 mm
WEIGHT	Approx. 700 g
MOUNTING	On 1" RG (G1"-11) threaded water pipe or on optional mounting brackets (see below)



### ACCESSORIES: (to be ordered separately)



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