

# DP 70/...

## Centre-Fed Folded Dipole for the 450 MHz Band

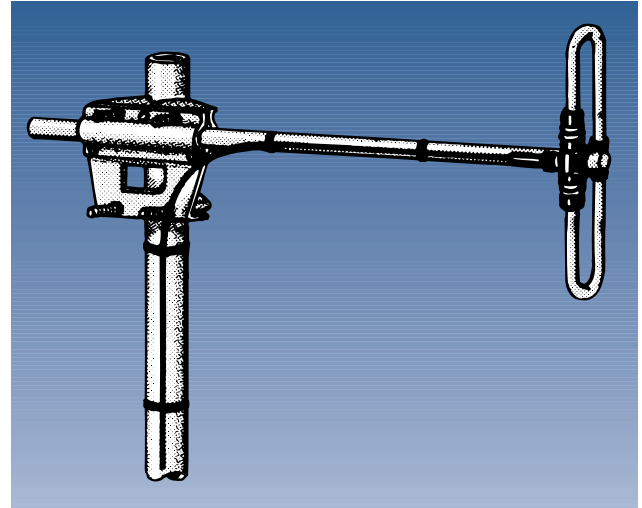


### DESCRIPTION:

- ★ Single, 0 dBd folded dipole incorporating a balun optimized for wide bandwidth and accurate matching.
- ★ The entire balun unit and feeder terminations are completely sealed in a polythene moulding ensuring permanent waterproof connections.
- ★ The dipole element, the supporting boom and the adjoining metal castings have been constructed in high quality aluminium alloys to prevent corrosion. All metal parts are DC-grounded.
- ★ DP 70/... may be arranged in a variety of ways to produce higher gain, directional lobes or interference cancellation, and suitable matching harnesses are available.
- ★ The antenna is supplied complete with clamp for mounting on 30-58 mm diameter mast tube.

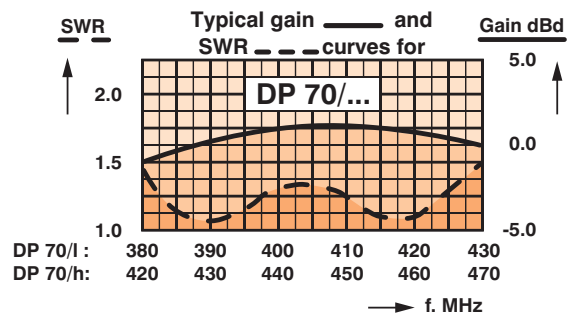
### SPECIFICATIONS:

ELECTRICAL	
MODEL	DP 70/...
ANTENNA TYPE	Centre-fed folded dipole with boom
FREQUENCY	DP 70/l : 380-430 MHz DP 70/h: 420-470 MHz
IMPEDANCE	Nom. 50 $\Omega$
POLARISATION	Vertical or horizontal
GAIN	2 dBi 0 dBd
BAND WIDTH	50 MHz
SWR	$\leq 1.5$
MAX. POWER	150 watts
ANTISTATIC PROTECTION	All metal parts DC-grounded (Connector shows a DC-short)
MECHANICAL	
CONNECTOR	3 m tail of RG 213 terminated with type N-female conn.
WIND SURFACE	0.0396 m <sup>2</sup>
WIND LOAD	50 N @ 160 km/h
COLOUR	"Aluminium"
MATERIALS	Aluminium
DIMENSIONS	Boom dia. : 31.8 mm Dipole element dia. : 19.0 mm Boom length : Approx. 0.9 m Element length : Approx. 0.3 m
WEIGHT	Approx. 2.6 kg
MOUNTING	On 30-58 mm dia. mast tube

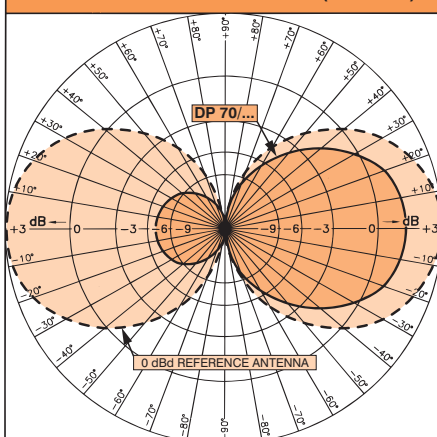


### ORDERING DESIGNATIONS:

TYPE NO.	FREQUENCY
DP 70/l	380-430 MHz
DP 70/h	420-470 MHz

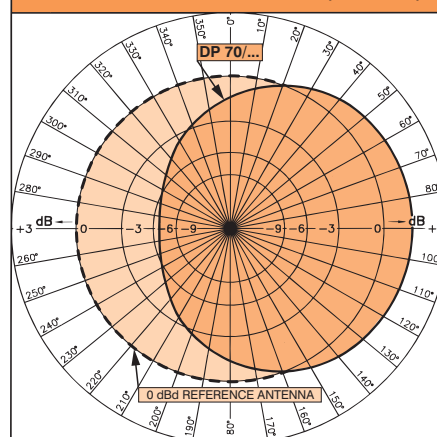


### TYPICAL RADIATION PATTERN (E-PLANE)



If the antenna is mounted for vertical polarisation this curve shows the radiation pattern in the vertical plane.

### TYPICAL RADIATION PATTERN (H-PLANE)



If the antenna is mounted for vertical polarisation this curve shows the radiation pattern in the horizontal plane (horizontal coverage). The asymmetry is caused by the presence of the mast.

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