



# MULTIPLE DIPOLE INDEPENDENTLY FED

## 400 - 470 MHZ 2-3-4 DIPOLES

CODE .....	11.310 (2 dipoles)
.....	11.311 (3 dipoles)
.....	11.312 (4 dipoles)

### MECHANICAL FEATURES

Length .....	2,00 mt (2 dipoles)	3,60mt (3 dipoles)	5,20mt (4 dipoles)
Weight .....	15 Kg	30 Kg	45 Kg
Sections .....	1		
Mast diameter.....	120 mm		
Fitting.....	Peraluman dia 320 flange (see the picture)		
Antenna structure.....	Aluminium		
Aluminium threatment.....	Alodine 1200		
Radom tube .....	Epoxy fiberglass		
Finishing .....	Polyurethane paint		
Colour.....	White RAL 9000		
.....	Grey RAL 7001		
.....	Green Nato IR		
Irradiation element material.....	Aluminium		
Hardware .....	Stainless steel A2		
Working temperature .....	-35°C +80°C		
Max wind resistance with radial ice .....	350 Km/h	265Km/h	220Km/h
Max load at 150 Km/h wind .....	20 daN	30 daNm	50 daNm

Temperature, salt, ice, sun irradiation resistance in accordance with MIL-STD 810E  
 Vibration resistance in accordance with MIL-STD 167-1  
 Shock resistance in accordance with MIL-STD 810E

### ELECTRICAL FEATURES

Frequency.....	400 - 470 Mhz
Antenna .....	Multiple independently vertical dipole
Bandwidth at SWR<2.0 .....	100 Mhz
SWR .....	<1,50
Max power .....	220W at 35° C
.....	110W at 50° C
Polarization.....	Vertical
Horizontal irradiation.....	360°
Vertical irradiation.....	78°
Gain .....	0 db on half wave dipole
Attenuation .....	>28 db on adjacent dipoles
Connection .....	N female connector bottom exit in the base
Ground .....	Yes
Lightning protection .....	Yes

