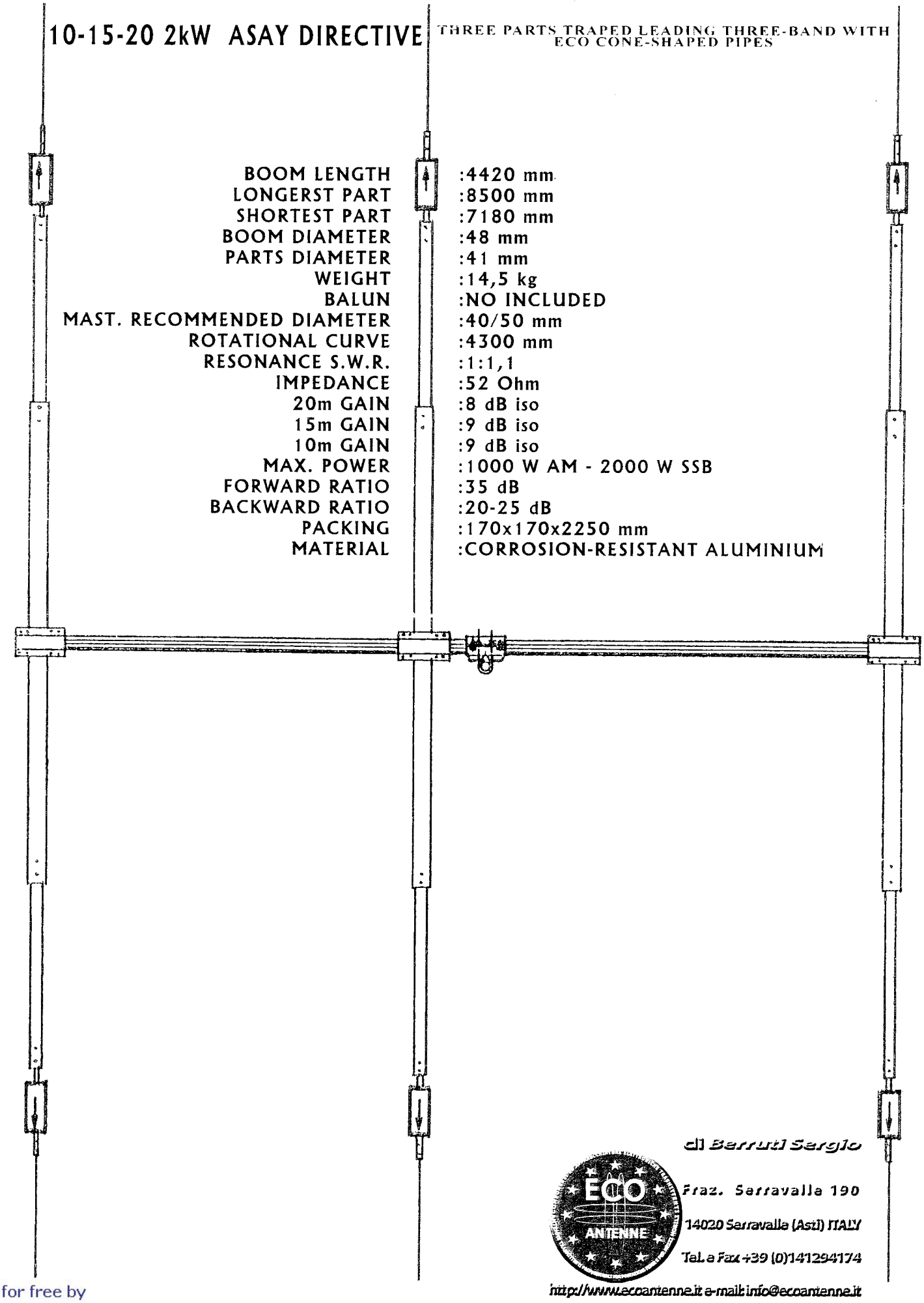
ART. 78

ART. 78

10-15-20 2kW ASAY DIRECTIVE

THREE PARTS TRAPED LEADING THREE-BAND WITH ECO CONE-SHAPED PIPES

BOOM LENGTH	:4420 mm
LONGERST PART	:8500 mm
SHORTEST PART	:7180 mm
BOOM DIAMETER	:48 mm
PARTS DIAMETER	:41 mm
WEIGHT	:14,5 kg
BALUN	:NO INCLUDED
MAST. RECOMMENDED DIAMETER	:40/50 mm
ROTATIONAL CURVE	:4300 mm
RESONANCE S.W.R.	:1:1,1
IMPEDANCE	:52 Ohm
20m GAIN	:8 dB iso
15m GAIN	:9 dB iso
10m GAIN	:9 dB iso
MAX. POWER	:1000 W AM - 2000 W SSB
FORWARD RATIO	:35 dB
BACKWARD RATIO	:20-25 dB
PACKING	:170x170x2250 mm
MATERIAL	:CORROSION-RESISTANT ALUMINIUM



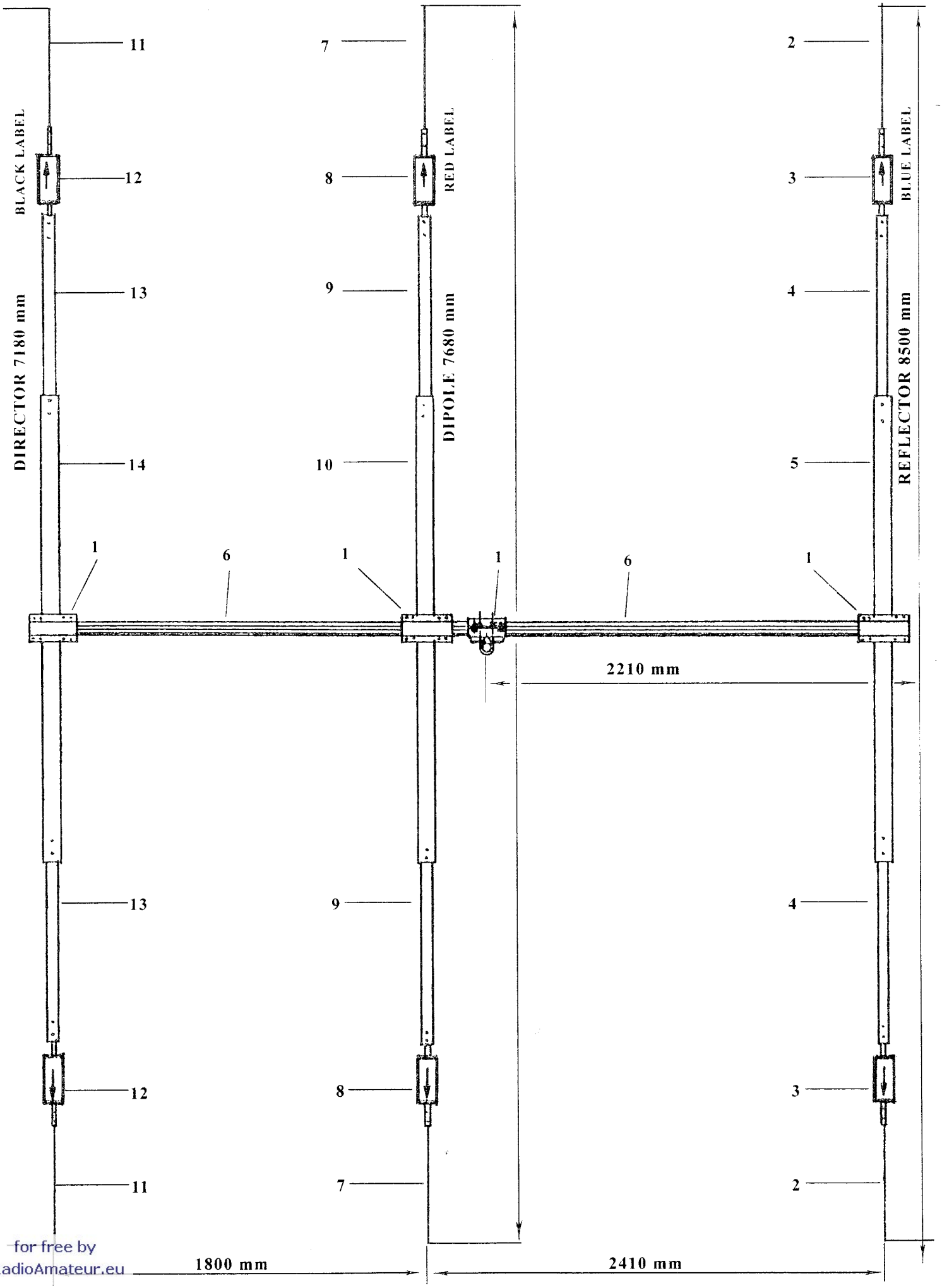
di Berruti Sergio

Fraz. Serravalle 190

14020 Serravalle (Asti) ITALY

Tel. e Fax +39 (0)141294174

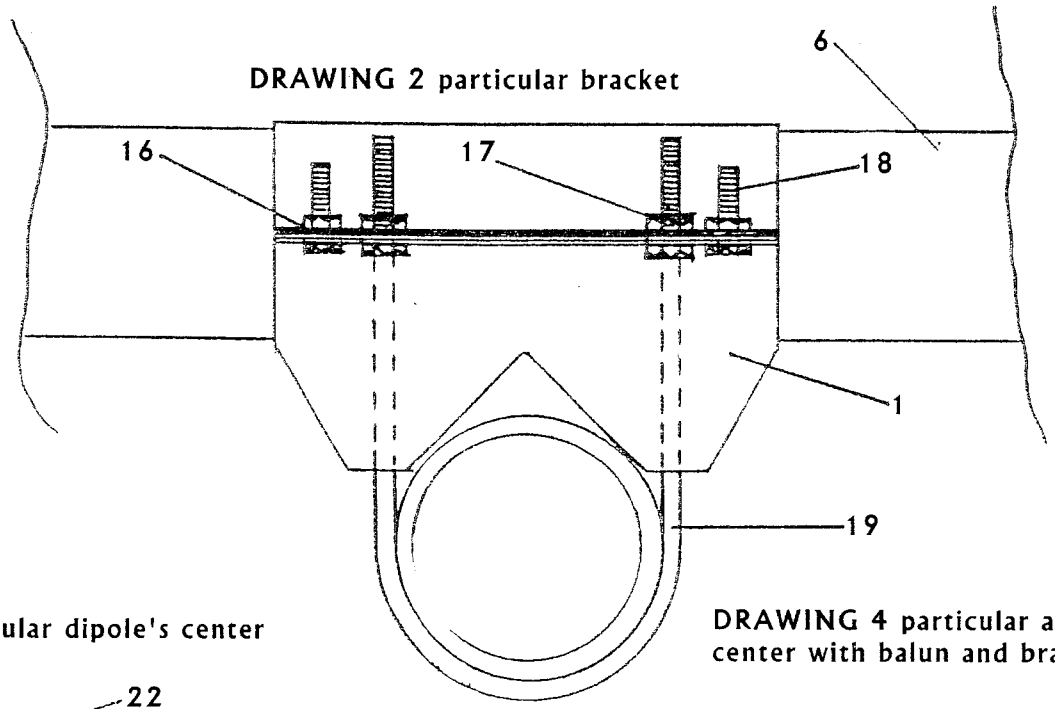
http://www.ecoantenne.it e-mail: info@ecoantenne.it



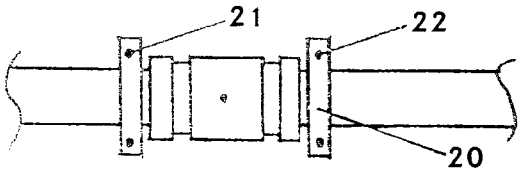
ART. 78

N.3 10-15-20 2kW DIRECTIVE

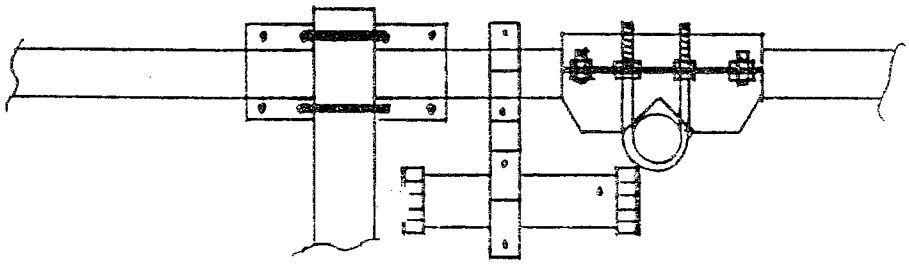
DRAWING 2 particular bracket



DRAWING 3 particular dipole's center



DRAWING 4 particular antenna's center with balun and brackets



LIST OF SPARE PARTS AND ASAY 2kW INSTALLATION	QUANTITY	Length (mm)
N.1 SUPPORT BRACKET FOR ANTENNA AND BOOM PARTS	4	200
N.2 CAPS IN Ø 16 mm PIPE FOR THE REFLECTOR	2	995
N.3 TRAPS FOR BLUE REFLECTOR	2	555
N.4 INTERMEDIATE CONE-SHAPED PIPE FOR THE REFLECTOR Ø 28 mm.	2	2000
N.5 CENTRAL CONE-SHAPED PIPE FOR THE REFLECTOR Ø 41 mm	1	1990
N.6 BOOM PIPE Ø 48	2	2210
N.7 Ø 16 CAPS MM FOR THE DIPOLE	2	860
N.8 CAPS FOR THE RED DIPOLE	2	555
N.9 INTERMEDIATE CONE-SHAPED Ø 28 mm PIPE FOR THE DIPOLE	2	1730
N.10 CENTRAL CONE-SHAPED Ø41 mm FOR THE DIPOLE	1	1990
N.11 Ø 16 mm CAPS FOR THE DIRECTOR	2	835
N.12 CAPS FOR THE BLACK DIRECTOR	2	555
N.13 INTERMEDIATE CONE-SHAPED Ø 28 mm PIPE	2	1510
N.14 CENTRAL CONE-SHAPED Ø41 mm PIPE FOR THE DIRECTOR	1	1990
N.15 4,5X9,7 PARKER SCREWS FOR ASSEMBLY OF PARTS	36	- - -
N.16 GROVER FOR Ø 28 mm WASHERS	32	- - -
N.17 NUTS FOR BRACKETS 8 MA	32	- - -
N.18 BOLTS 8X15 FOR BRACKETS	16	- - -
N.19 Ø8 U BOLTS 65mm INTER-AXIS	8	- - -
N.20 ALUMINIUM U BOLTS FOR DIPOLE WIRE CONNECTION	4	- - -
N.21 5X20 BRASS SCREWS FOR ALUMINIUM U BOLTS	4	- - -
N.22 4 MA BRASS NUTS FOR ALUMINIUM U BOLTS	4	- - -

ASAY 2KV DIRECTIVE ART. 78

INSTALLATION INSTRUCTIONS

1) Connect both the pieces of the N. 6 boom, of 2210 mm length and 48 mm diameter by means of the bracket with N. 1 bolts passing (boom connection bracket and antenna erection on the support tower).
2) Install the three other N. 1 brackets and position as by dimensions of N. 1 drawing.
3) Install the three central N. 5 – 10 – 14 pipes of 1990 mm length and Ø41 mm.
4) Install both the intermediate pipes of the N. 4 reflector, 2000 mm long and Ø28 mm.
5) Install both the intermediate pipes of the N. 13 director, 1510 mm long and Ø28 mm.
6) Install both the intermediate pipes of the N. 9 dipole, 1730 mm long and Ø28 mm.
7) Install both the traps of the N. 3 reflector with a blue label, taking care to position the trap with the arrow outwards.
8) Install the traps of the N. 12 black director.
9) Install the traps of the N. 8 red dipole.
10) Install both the caps of the N. 2 reflector, 995 mm long and Ø16 mm.
11) Install both the caps of the N. 11 director, 835 mm long and Ø16mm.
12) Install both the caps of the N. 7 dipole, 860 mm long and Ø16mm.
13) Fix both the N. 20 aluminium brackets in the dipole center (see drawing).
14) The feeding cable must be connected to the N. 21 and 22 screws of both the N. 20 (drawing N. 3) and the connections shall be the shortest possible.
15) For the use of the balun, see drawing N.4.
16) The balun outlet connections to the dipole's terminals must be with single-pole copper wire and the shortest possible.
17) Use RG8U or RG21 3 cables.
18) Tie the junctions of pipes with proper PVC tape.
19) Take care that air bores of traps are installed downwards in order to avoid water deposition.
20) In the feeding down-cable, immediately under the antenna's dipole, it is convenient to make 5 to 7 coaxial cable windings with approx. 100 mm diameter and tightly tied to each other.
21) The recommended cable length is m 18,20 - 30 - 42,50 - 54,50- 67.
22) If the antenna is properly erected, adjustments are not required.
23) If in some bands S.W.R. value is high, adjust the feeding cable length to attain a S.W.R low value in all bands.