

BRIEF DESCRIPTION:

AT 100/D/2-3 is a self supporting fiberglass whip antenna with flange fastening. It is fit for assembly on naval means as well as on the ground in both fixed position and tactical field operation with proper accessories. If used on the ground, in both cases, it requires a suitable and efficient ground level. It fits all modern radios provided with automatic ATU tuner.

AT 100/D/2 model is 10 meters high and is composed of two sections of about 5 meters each.

AT 100/D/3 model is 9 meters high and is composed of three sections of about 3 meters each.

ELECTRICAL SPECIFICATIONS:

- OPERATING FREQUENCY WITH ATU : 1.6 - 30 MHz
- MAX APPLICABLE POWER : 1 KW R.F.
- POLARIZATION : Vertical
- IRRADIATION : Omnidirectional
- ELECTRICAL HEIGHT : 10 m or 9 m

MECHANICAL SPECIFICATIONS :

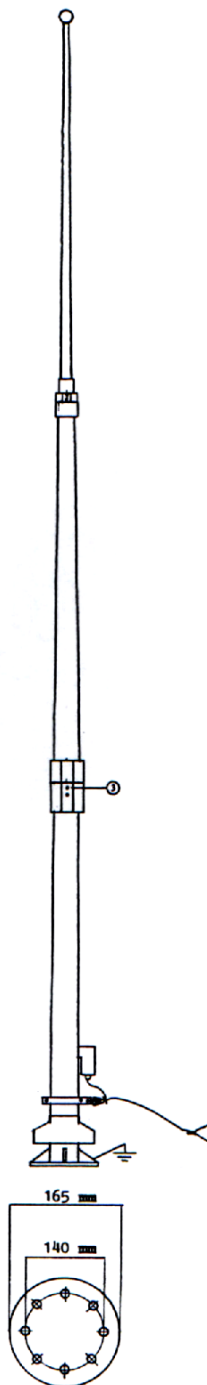
- GLASS FIBRE CONSTRUCTION RECTIFIED WITH BRASS JOINTS
- HEIGHT : 10 m or 9 m
- WEIGHT : 24 Kg.
- SECTIONS : 2 or 3
- MAX BEARABLE WIND : 55 m/s = 125 mph
- MOMENT OF FLEXURE : 275 Kpm at 55 m/s
- COLOR : NATO green
- OPERATING TEMPERATURE : - 55°C + 75°C

ACCESSORIES : - MOD. BRV 100 = overturnable bedplate

- MOD. PR 100 = radial kits for ground level

- MOD. TC 100 = kit complete with overturnable bedplate, radials, pegs etc. for tactical field use.

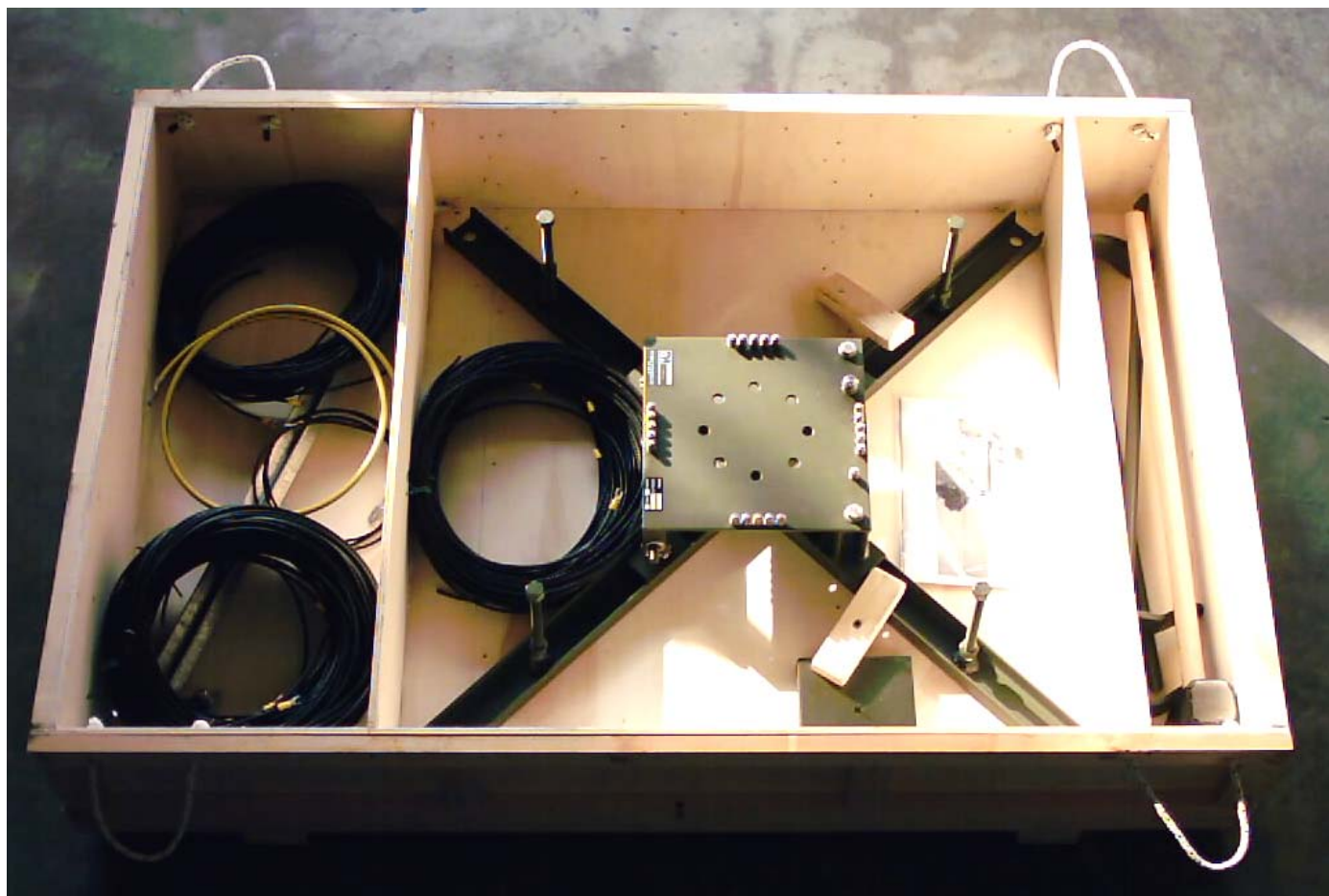
NB. ATU IS NOT SUPPLIED.



FREQUENCY MHz	IMPEDANCE AT 100
1.6	5-J1000
2.0	6-J600
3.0	10-J350
4.0	11-J200
6.0	24-J34
7.0	48+J57
8.0	80+J140
9.0	180+J275
11.0	750+J60
12.0	500-J350
13.0	250-J360
14.0	150-J300
16.0	70-J180
17.0	55-J135
22.0	200+J130
23.0	350+J60
25.0	275-J200
30.0	68-J52.5

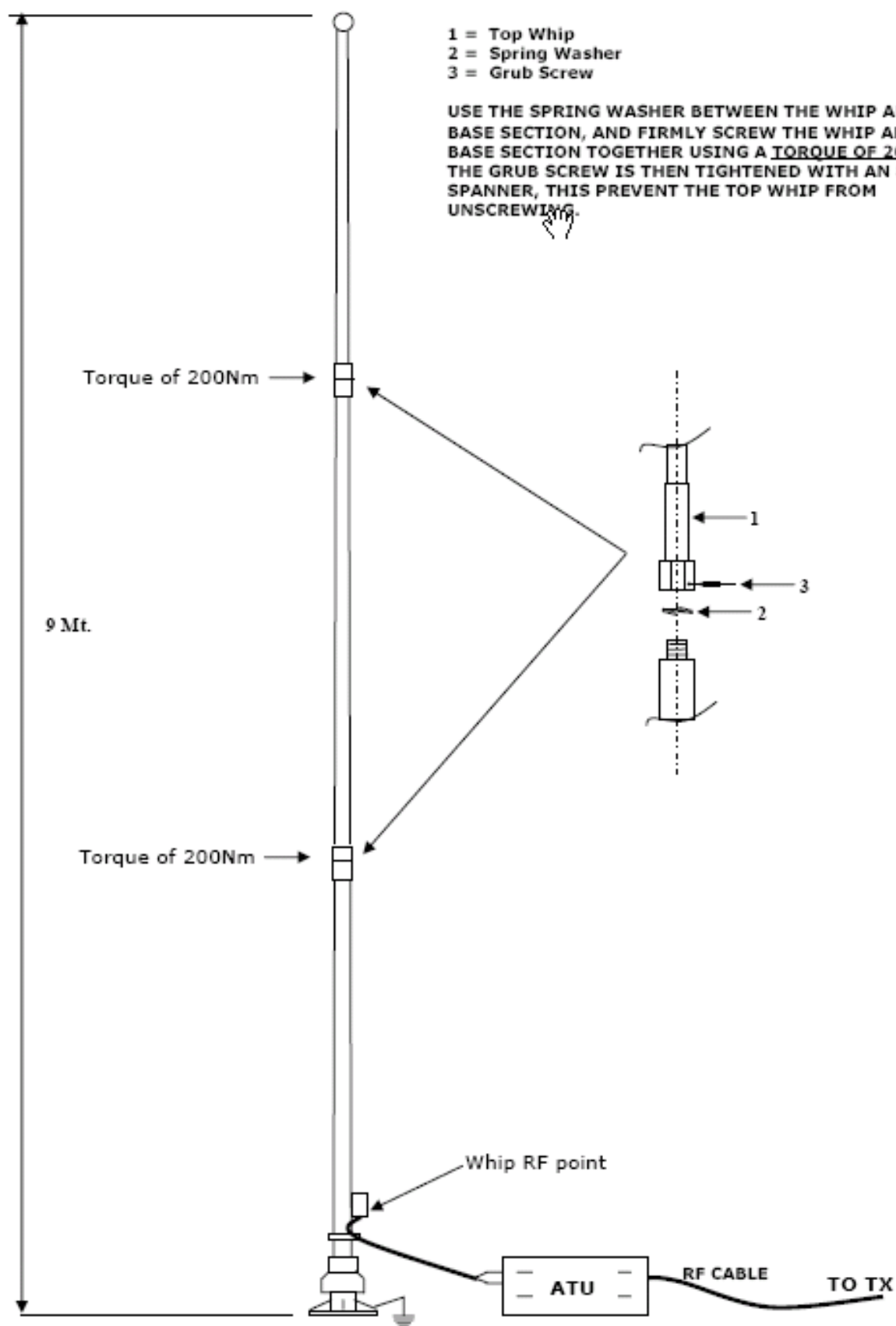


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- 1 = Top Whip
- 2 = Spring Washer
- 3 = Grub Screw

USE THE SPRING WASHER BETWEEN THE WHIP AND BASE SECTION, AND FIRMLY SCREW THE WHIP AND BASE SECTION TOGETHER USING A TORQUE OF 200Nm. THE GRUB SCREW IS THEN TIGHTENED WITH AN 8mm SPANNER, THIS PREVENT THE TOP WHIP FROM UNSCREWING.

Rif. M8	Qty. 01	Name/Code, WHIP ANTENNA			Materiale fib.	Art.Mod.
 GIOVANNINI ELETTROMECCANICA Antenna Systems Florence Italy WWW.ANTENNA.IT	Progettato da: BC		Controllato da: SM	Approvato da: BC	Scala: no	Tolleranze: ±1cm
	Data: 6/88		Data: 7/88	Data: 7/88	Quote: mt	
	Titolo: AT 100/D/3					
	DRAWING N°: 700		Modifica: Data:			Foglio n°: 1