

LB3088AG antenna on MP9F manpack portable mast

### DESCRIPTION

Broadband portable ground plane antenna, operating in a range from 30 to 88 MHz, intended for military field communications.

### PURPOSE

The LB-3088 AG antenna is a high efficiency base station antenna, especially developed for long distance radio communications with VHF hopping frequency radio equipment or for fixed radio installations.

The LB-3088 AG antenna is a lightweight transportable, Manpack antenna equipment, which can be mounted or dismounted in a few minutes by one person.

### CONSTRUCTION

The LB-3088 AG antenna consists of a passive broadband antenna matching unit, a two-element whip (the same as for the LB-3088 G vehicle antenna), and three dismountable elements making up the ground plane.

The whips are made of plastics reinforced with fibreglass.

The LB3088AG/E is equipped with a different interface for mast (23mm spigot).

### ELECTRICAL SPECIFICATIONS

Frequency	30-88 MHz
VSWR (with 15 metres of KX15 Cable)	≤3:1
Gain (typical)	0 dB
Power	100 w
Connection	BNC Female
EMP Protection	Included

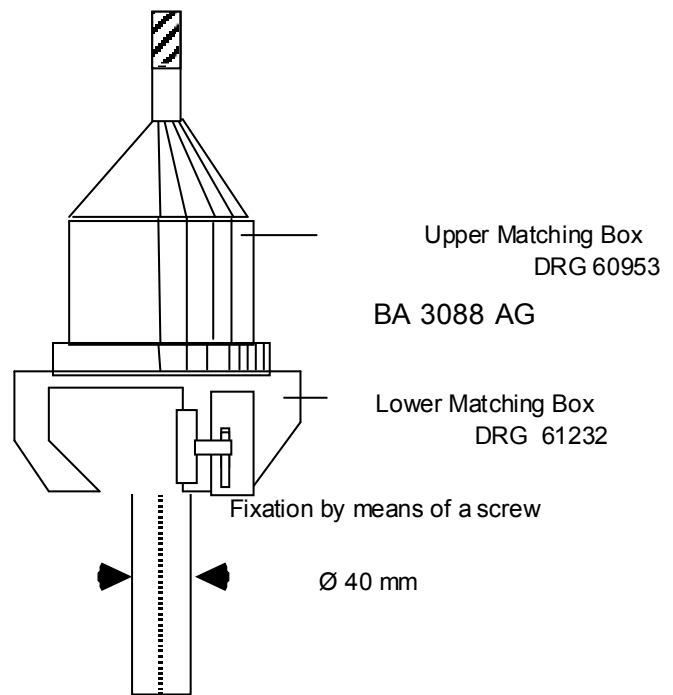
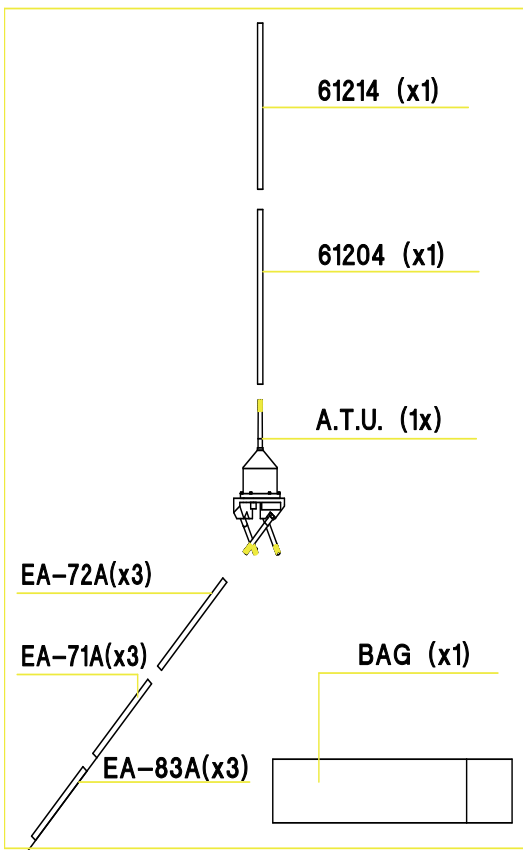
### MECHANICAL SPECIFICATIONS

Length (upper section)	1300 mm
Length (lower section)	1175 mm
Weight (total)	5 kg
Colour	Army Green IR NATO 24 x 5

### ENVIRONMENTAL SPECIFICATIONS

Temperature (operational)	-40°C to +55°C
Temperature (storage)	-40°C TO +70°C
Humidity	95% HR
Salt Fog	96 hours
Wind Speed (max)	130 km/h

## INSTALLATION



The LB3088AG is installed on a mast  $\varnothing 40\text{mm}$

The LB3088AG/E is provided with a removable spigot  $\varnothing 23\text{mm}$ . It can be installed on most of the masts available on the market, as it remains compatible with masts  $\varnothing 40\text{mm}$ .

## CODIFICATION

Description	COMROD ref.	NSN
Top whip	F3435-61214	5985-14-514-3534
Lower whip	F3435-61204	-
Antenna section - Lower	F3435-60466 EA-72A	5985-14-342-4876
Antenna section – Intermediate	F3435-60464 EA-71A	5985-14-343-1485
Antenna section – Upper	F3435-60584 EA-83A	5985-14-041-8712
Base Matching Unit BA-3088AG	F3435-75667	5985-14-514-2846
Adapter (included only in LB3088AG/E)	F3435-12021	5985-14-469-4454
Transport bag	F3435-11750	-