

GP-3 / GP-2W / GP-3W

2-Band / 3-Band HF groundplanes

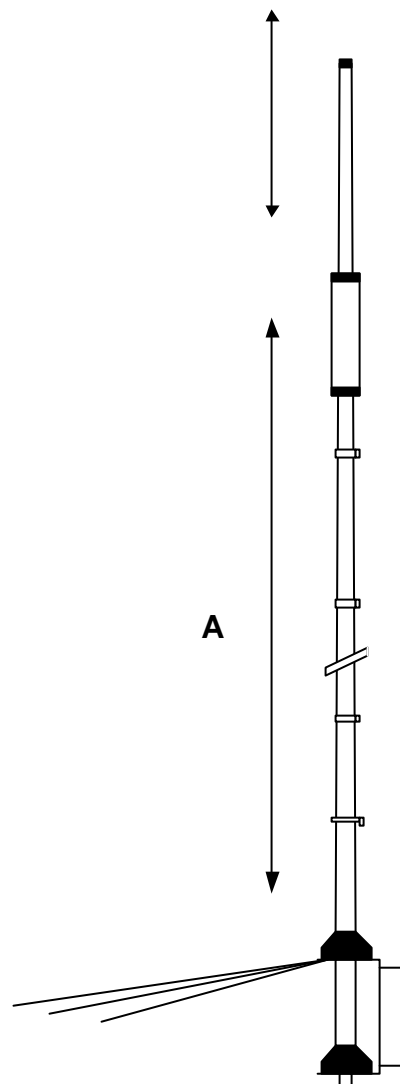
Standard lowcost groundplane antennas, consisting of telescopic alu tubings of different diameters and a mast clamp. Included is a radial kit (one radial per band) made out of stranded copper wire. Performance can be improved by adding more radials (as with every GP antenna....)

Technical data:

model:	GP-3	GP-2W	GP-3W	
frequency range:	10/15/20m	12/17m	12/17/30m	
gain:	0	0	0	dBD
length:	3.3	3.3	4.7	m
power rating:	1000	1000	1000	Watt
connector:		UHF jack		
max. mast dia.:	44	44	44	mm
Weight:	1,5	1,7	2	kg
impedance:	50	50	50	Ohm

Assembly:

- Fit elements into each other and fix with hose clamps. Free length of every tube around 400mm (16"). Adjust dimension 'A' according to table.
- Cut radial wire according to table and attach ring lugs by crimping or (preferred) soldering.
- Mount antenna to a vertical pole.
- For permanent installations we recommend to seal all contacts, screws, clamps etc. with silicone, tape, coax seal, or something else that is suitable.



Dimensions:

	GP-3	GP-2W	GP-3W	
A	190 (75")	256 (100")	256 (100")	cm
B	82 (32")	-	175 (89")	cm
Radial 1	260 (8.5')	305 (10')	305 (10')	cm
Radial 2	360 (11.8')	425 (14')	425 (14')	cm
Radial 3	530 (17.3')	-	750 (24.5')	cm

Tuning:

coarse tuning by varying **dimension A** (affects **all** bands). Afterwards the resonance on 30m is to be adjusted by varying dimension **dimension B** (GP-3W only).
Fine tuning can be done by cutting the radials.

The final S.W.R at resonance should be around 1.5:1 ... 2:1.