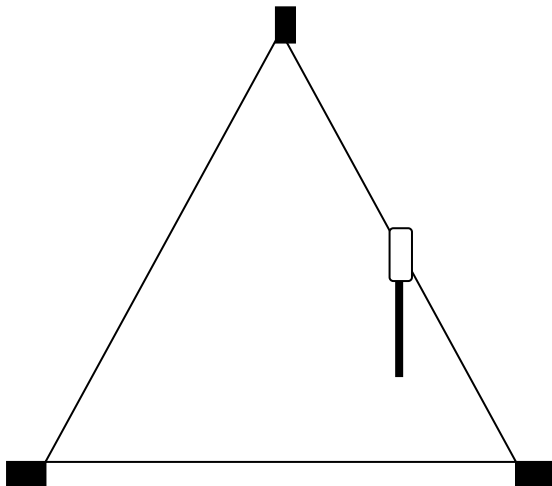


The M0CVO DELTA-40HP

The DELTA-40HP is a Full wave loop designed to operate on 40m (7MHz), 15m (21MHz) and 10m (28MHz) without an ATU and other bands with an ATU. There is a 4:1 balun at the feedpoint enabling it to be fed directly with 50ohm coax, RG-213 or Mini 8 is probably the best but other variations of coax may be used so long as they are of a 50ohm impedance.

The loop comes complete with three insulators to provide anchor points. It may be mounted flat (horizontal) as either a square loop or equilateral triangle (see pictures below) or raised to vertical or sloping position. If mounted flat it will be good for near DX or NVIS work and if raised to vertical or sloping it will also be good for working further afield.



Full Wave Delta Loop

Delta loop, equilateral triangle. If laid flat will be good for near DX. If vertical or near vertical will provide low angle radiation good for long range DX in the direction of the loop (looking straight on at the front) and near DX off the sides. Gain 3.2dBd.

DELTA-40HP specs:

Max power: 500W CW, 600W PEP

Forward Gain: 3.2dBd max

SWR:

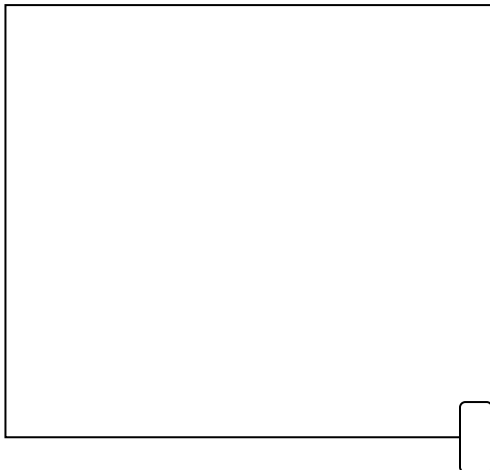
7.05MHz: 1.5:1

14.10MHz 1.6:1

21.15MHz 1.7:1

28.20MHz 1.1:1

Dimension overall loop 40.56m,
three equal sides of 13.52m or four
sides of 10.14m. radiating wires
2.5mm insulated. Feedpoint Balun:
M0CVO 4:1HP.



Full Wave Quad Loop

If laid horizontally will be good for LF NVIS if vertical 2.8dBd gain. Sloping at 45degrees will provide low Angle DX. Fed via a 4:1 balun gives good multi band operation on 40, 20, 15 and 10m <2:1.