



144MHZ Yagi - compact 3el rear mount for vertical or horizontal use



Description

Available through **WiMo Germany** and **DX Engineering in the USA** - for Direct factory supply, Email us for pricing and time lines.

www.dxengineering.com - www.wimo.com

A 3el 144MHz OWL Yagi for vertical or horizontal use - Only 55cms total length including rear mount!

The OWL has a class-leading gain per metre of boom figure, distance between reflector and director is 155mm and yet it provides **6.85dBi** of free space gain! place this antenna 8m above average ground and with ground gain an impressive 12.68dBi is seen. See below plots for pattern.

IDEAL PORTABLE OR SOTA USE!

Despite it's rigidity, the OWL is extremely light weight and this means even in strong winds, snow and ice the OWL will hold its own.

Our antennas are constructed with the best quality materials in order that the best mechanical construction can be achieved, not the cheapest and most profitable! Even a digital caliper is used (with an accuracy of .01mm) to measure the elements during production to ensure they are within 0.2mm of what they should be, this ensures they work as well as our software model predicts.

- **Marine grade Stainless Steel Fittings**
- **Original Stauff Insulation clamps**
- **Mill finished boom and elements for highest levels of accuracy**

Ian G0CNN made this excellent video which highlights how simple the OWL is to construct:

For more information This email address is being protected from spambots. You need JavaScript enabled to view it.

Performance

Gain: 12.68dBi @ 144.3MHz 8m above average ground

F/B: 20.59dB @ 144.3MHz

Power Rating: **5kw+**

SWR: Below 1.5:1 from **144MHz to 146MHz**

4el Quad style Yagi antenna for 144Mhz -148MHZ

Boom Length: 555cms this include 30cms of rear-mount section!

Weight: 1kg/2.2lbs

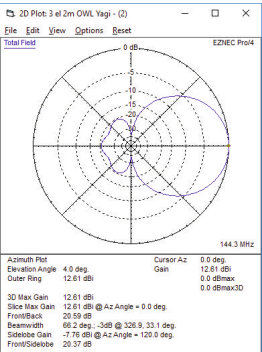
Safe Wind Speed: 160Kph/100Mph

Vertical Stacking: 1.3m

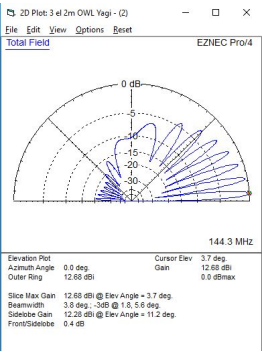
Specification

This antenna is made with a 13mm and 10mm diameter tube for the folded dipole and the boom sections are 20mm diameter. **This antenna is not made cheaply, it is made to perform and to do so for many years with Marine Grade Stainless Steel fixings.**

No figures are made up here as they are in some Ham Radio adverts, all performance figures are verified in the very latest software simulation packages with some antennas being professionally confirmed on an antenna range.



Azimuth Plot



Elevation Plot 10m above ground

Manufactured the right way, not the cheapest way!

* Where possible marine grade stainless steel components are used.

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