



High Gain 6 element Yagi 50MHz / 6m DX Yagi - OWL by InnovAntennas



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 6 element OWL (Optimised Wideband Low Impedance) Super-Light Yagi for 50.0 - 50.4MHz

DX Yagi for lighter towers and installations packing serious gain and performance

The G0KSC OWL is another fantastic design by G0KSC. Every ham knows a low impedance Yagi provides excellent performance. However, traditionally, low impedance has meant narrow band. G0KSC developed the OWL to have very close element spacing, this has increased the stability of the OWL over traditional low impedance Yagis. Additionally, the G0KSC OWL has been optimised for a 12.5 Ohm feed point impedance (with traditional split dipole). With the split dipole swapped for a folded dipole, impedance is now a cool 50 Ohm so again (and as with all InnovAntennas Yagis) no matching device is needed and thus no matching loss.

Designed with the very latest modelling software packages costing 10's of thousands of pounds, not 30 year old software costing around \$100.00!! **Accuracy** in model and real-world performance assured.

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.

The super-light OWL's have elements connected and through the boom with under-boom

Product Highlights

- Marine grade Stainless Steel Fittings
- Original Sturm Insulation clamps
- Optimised boom and elements for highest levels of accuracy
- Optimised by computer for best possible performance
- No matching device means no matching loss!
- Easy and fast fit, assemble in just a few minutes

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

Performance

Gain: 11.44dBi @ 50.1MHz

F/B: 21.76dB @ 50.1MHz

Peak Gain: 11.44dBi

Gain 10m above ground: 16.87dBi

Power Rating: 5kw+

SWR: Below 1.5:1 from 50MHz to 50.4MHz

Boom Length: 5.350m

Weight: 7kg

Safe Wind Speed: 176Kph+/110Mph+

Wind Area: 0.27m/2.93ft

Turning Radius: 3.052m

Vertical Stacking: 6m

Specification

This antenna is built very light yet strong with a 1" square boom and under-boom. The OWL elements loop starts at 5/8 inch (15.88mm) and taper to 1/2 inch (12.7mm) with a wall thickness of 1.2mm. All elements are electrically connected to the boom with marine grade stainless steel hardware. **This antenna is not made cheaply, it is made to perform and to do so for many years.**

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.

Manufactured the right way, not the cheapest way!

* Where possible marine grade stainless steel components are used.

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