



Sales price £299.95

Sales price without tax £249.96
Tax amount £49.99

A three band low-loss rotating dipole for 20/17/12m Radiating efficiency like never seen before!

Description

Prices 20% less for customers outside of EU

A 3 element Low-Loss Rotating Dipole for 20m/17m/12m

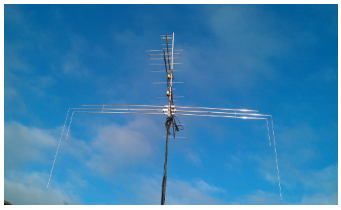
Why Low-Loss? Your existing multi-band rotating dipole just might have a large amount of NEGATIVE GAIN. Read on for more details

G0KSC has become well-known for his very different and innovative designs which always look to achieve maximum radiating efficiency without matching devices, traps, coils or other 'power-sapping' devices used in multi-band antennas. The DESpole is no different in this regard as it has an individual full-sized element for each band and the ends of the longest elements are turned down towards ground (see below photo) in order to achieve a smaller turning circle. The result is a practical, very efficientHF rotating dipole suitable for all locations.

So if you are happy with your current multi-band vertical or rotating dipole, just think of how much happier you will be with a **Low-Loss, highly efficient DESpole**!

The DES-Dipole is typically supplied in 2 or 3 band versions of which there are a number of variants. However, if you do not see a band combination you would like, mail us as it might be just around the corner!

More information on how the DES-dipole is better than the rest can be found HERE



Performance

Gain 10m above average Ground:

6.95dBi @ 29 degrees (14.2MHz)

7.76dBi @ 24 degrees (18.1MHz)

7.75dBi @ 16 degrees (24.9MHz)

Power Rating: 5kw+

SWR:

Below 1.3:1 from 14.00MHz to 14.35MHz

Below 1.2:1 from 18.08MHz to 18.18MHz

Below 1.2:1 from 24.88MHz to 24.98MHz

Stacking Distance: 4.5-8.0m (6.0m recommended)

Turning Circle/Longest element: 3.1/6.2m

Down-facing element: 2.6m

Weight: 7.5KG / 16.5LB

Wind Loading: 0.32 Square Metres / 3.86 Square feet

Wind Survival: 165KPH / 102MPH

Other options available if higher wind loading/survival is required.

Specification

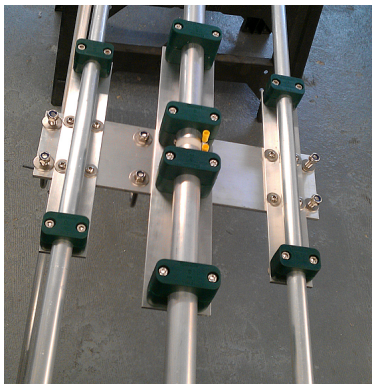
The 20m element is made with a six section taper starting at 32mm (1.25") finishing at 9.525mm (3/8"). The 15m section has 5 tapers starting at 22.25mm (7/8") and finishing at 9.525mm (3/8") while the 10m element has just two sections, the centre being 19.05mm (3/4") with 15.88mm (5/8") tips. All elements are insulated and stainless steel hardware is used throughout.

OTHER TAPER SCHEDULES ARE AVAILABLE IN THIS ANTENNA, CALL OR EMAIL FOR DETAILS

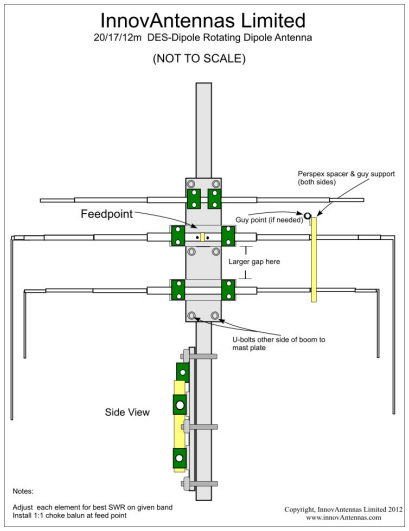
Our antennas are constructed with the best quality materials in order that the best mechanical construction can be achieved, not the cheapest and most profitable! Even a digital caliper is used (with an accuracy of .01mm) to measure the elements during production to ensure they are within 0.2mm (on critical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

Note: Much development time has gone into our antennas, not just on basic electromagnetic design, we are able to model the effect of insulators, booms and other objects to ensure the make up of our antennas have least effect on performance and pattern degradation. More information can be found here

- **Marine grade stainless steel fittings**
- **Original Stauff Insulation clamps**
- **Mill finished boom and elements for highest levels of accuracy**



The above photos shows the DES-dipole centre and the very high standard to which it is made.



The DES-dipole Antenna Layout

Manufactured the right way, not the cheapest way