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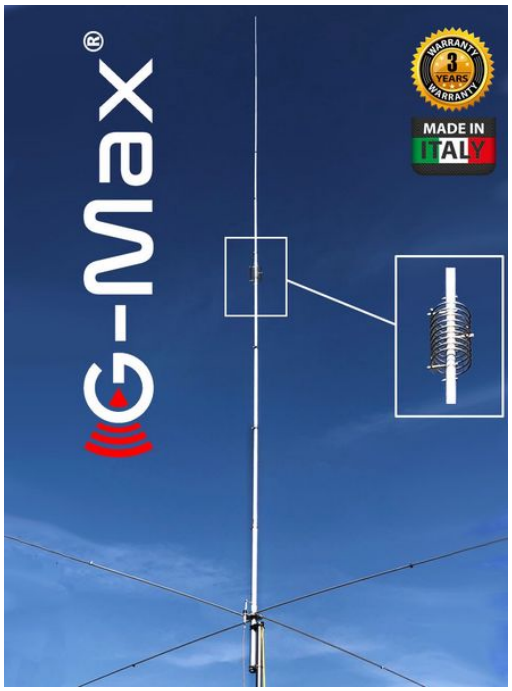
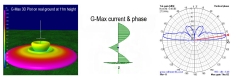
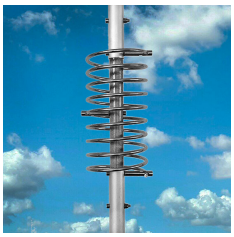
ANTENNE BASIS 27MHZ 5/8 1/4 5.65DBI

€ 309,95
Excl. BTW: **€ 256,16**

Afbeeldingen







Beschrijving

G-Max is the first and only vertical antenna in the world for the bands of 10 or 11m in a collinear configuration 5/8λ over 1/4λ with high gain. Built on the mechanics of the well-proven FE10V this antenna has exceptional performance comparable or better than a 2 elements Yagi, but with the advantage that G-Max is omnidirectional. G-Max does not fear comparison with any other vertical antenna on the market, whether they are 5/8 type, J-Pole, or other types on the market. Thanks to its high gain, compressed main lobe with low radiation angle, it will guarantee you performance never seen before.

For our tubes we have used the best material that can be used for the construction of antennas; it is the alloy of Aluminum, Magnesium and Silicon called AW6063-T66, hardened to the state T-66. It gives the stylus an exceptional resistance, which is achieved by extrusion and then by cold-drawn. Our tubular elements are extremely precise on both diameters, and also on the wall thickness, allowing a precise coupling with the least "play" between the tubes. The “Ground Plane” is composed of 4 robust radials with a length of 2.7m.

The G-Max coil has been carefully placed at the ends of the two central radiating sections. It performs three functions of extreme importance for this type of collinear antennas, the first has the task of delaying by 180° the phase of the RF signal between the first section at 1/4 Lambda and the second section at 5/8 Lambda, so that the whole radiating part (whip) radiates in phase.

The second function is to compensate for the strong capacitive reactance present on the top 5/8 section thanks to its intrinsic inductive reactance, and the third function is to transfer all the power fed to the top section without losses.

The FE10V connector is not a commercial SO-239 type connector as most manufacturers use. The connector was designed and built directly by us, has a real impedance of 50 Ohms and can be used up to 500 MHz. The goal was to create a reliable connector capable of withstanding 5Kw CW continuous at 30 MHz. The body is made of CW614N nickel-plated brass, while the pin is plated in 24K gold to avoid oxidation and equipped with a 4-fin insulator that maintains its centering and elasticity, avoiding contact losses. The insulating part is made of PTFE which is one of the best insulating materials.

The fixing bracket is made of 2.5mm thick AISI304 stainless steel, it is fixed to the antenna tube by means of a clamp closure system, creating an extremely strong mechanical locking. Fixing to the mast is made with AISI304 M6 V-Bolt and high type nuts to facilitate tightening

Electrical data

- Electrical type: Ground Plane Collinear 5/8 λ over 1/4 λ in phase
- Gain: 3.50 dBd - 5.65 dBi
- VSWR: ≤1.2:1
- Bandwidth: ≥ 1.3 MHz at 27MHz
- Maximum continuous power: 5000 Watts (CW)
- Impedance: 50 Ohm
- Polarization: Linear vertical

Mechanical data

- Materials: Aluminnum Alloy AW6063-T66 hard drawn tube, Fiberglass, Brass, PTFE. All hardware are made of SS AISI-304 and 316
- Mast Ø: 40 - 54 mm
- Max wind resistance: 130 km/h
- Height: 10.850 mm (including bracket)
- Weight: 6800 gram
- Mounting type: On mast
- Antenna connector: UHF-female, PTFE insulator & gold plated central pin
- Radial length: 2700 mm

Productinformatie

Artikelnummer	GMAX
Merk	GRAZIOLI
Is on Sale	Nee