

FE62V

Grazioli[®]
antenne.com

FE62V 2x5/8 Collinear Vertical for 6m Band

FE62V from Grazioli antenne is a vertical Collinear antenna 2x5/8 of extremely robust construction for amateur use, tunable from 50 to 54 MHz and therefore able to cover by adjusting the length of the whip the amateur band of 6m (50MHz). It has a high gain of about 3.5 dB above the dipole, the high transmission power (up to 2kW all-mode) puts it at the top of its category. Manufactured with the best materials available today, the telescopic tubes are made in Italy to our specifications, precision-drawn in AW6063-T66 alloy and machined with latest-generation of LASER machines, fastening is performed with robust, quality AISI-316 stainless steel clamps, and the brackets, screws, and U-bolt and V-bolt U-bolts are in AISI-304.

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Electrical Data

Type:	2x5/8 λ Collinear GP with 4 full quarter wave radials
Frequency range:	Tunable from 50 to 54 MHz
Impedance:	50 Ω Unbalanced
Radiation (H Plane):	Omnidirectional
Radiation (E Plane):	Beamwidth at -3dB = 30°
Polarization:	Linear Vertical
Gain:	3.5dBd – 5.65dBi
Bandwidth @ SWR 2:1:	≥ 2.6 MHz @ 50 MHz
SWR @ resonance:	<1.2:1 typical <1.1:1
Max. Input Power:	2000 Watts continuous all mode
Feed system:	high-Q air wound matching and phasing coil, DC-Ground
RF connector:	50 Ω UHF female, PTFE insulator, gold plated pin

Mechanical Data

Constructions materials:	Alloy AW6063-T66 hard drawn tube Fiberglass, Brass, PTFE, all hardware are made of SS AISI304 and AISI316
Wind surface area:	0,195m ² / 2,1ft ²
Wind load @ 130Km/h / 80Mph:	19 Kg / 42 lbs
Wind survival (no ice) :	150 Km/h / 93 Mph
Overall Antenna height :	7,95 m / 26 ft @ 50 MHz
Radiator Length	7,42 m / 24,3 ft @ 50 MHz
Radials length:	full quarter wave 1,4 m / 4,6 ft
Antenna Net weight:	4,5 Kg / 10 lbs
Mounting mast bracket:	\varnothing 40-54 mm / \varnothing 1,57" to 2-1/8"
Package dimensions:	14x14x145 cm / 5,5"x5,5"x57,1"