

# 2-Element Yagi Antenna 68 ... 87.5 MHz

## Vertical / Horizontal Polarization

The Schomandl K5319411 and K5319421 are robust yagi antennas intended for use in professional fixed-station applications with highest performance and stability requirements in the 68-87.5 MHz band.

- 2 Element Yagi with 162° beam width
- Rugged hot-dip galvanized steel construction
- Entire antenna at DC ground potential
- Two separate models for the upper and lower frequency range

Type No.	K 53 19 411	K 53 19 421
Frequency range	68 - 80 MHz	74 - 87.5 MHz
Polarization	Usable for horizontal or vertical polarization	
Gain (ref. $\lambda/2$ dipole)	3 dB	
Impedance	50 $\Omega$	
VSWR	< 1.5	
Max. power	1300 W (at 50 °C ambient temperature)	
Order No.	80000001	80000002

**Material:** Hot-dip galvanized steel.  
All screws and nuts: Stainless steel.

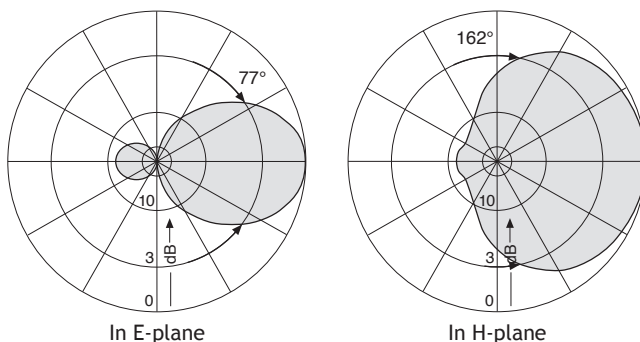
**Mounting:** On masts from 60 - 115 mm [2.4-4.5 inches] diameter, clamps supplied.

**Grounding:** All metal parts of the antenna including the mounting kit are DC grounded.  
The inner conductor is coupled capacitively.

**Special features:** The antenna will be shipped dismounted.



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Mechanical specifications	
Input	N female
Wind load (N) (at 150 km/h) [lbf]	260 [58]
Max. wind velocity (km/h) [mph]	180 [112]
Height (mm) [inches]	approx. 2100 [82.7]
Distance dipole/mast (mm) [inches]	approx. 1200 [47.2]
Weight (kg) [lb]	12 [26.5]
Packing size (mm) [inches]	2154 x 798 x 132 [84.8 x 31.4 x 5.2]

## Mounting Instructions

