

# 3-Element Yagi Antenna 146 ... 174 MHz

## Vertical / Horizontal Polarization

The Schomandl K531821 is a robust yagi antenna is intended for use in professional fixed-station applications with highest performance and stability requirements in the 146-174 MHz band.

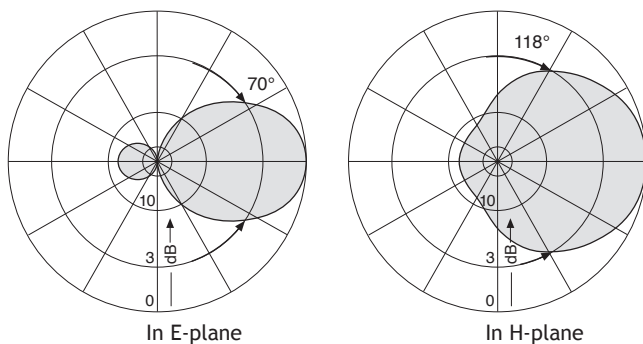
- 3 Element Yagi with 118° beam width
- Rugged hot-dip galvanized steel construction
- Entire antenna at DC ground potential

Type No.	<b>K 53 18 21</b>
Frequency range	146 - 174 MHz
Polarization	Usable for horizontal or vertical polarization
Gain (ref. $\lambda/2$ dipole)	4 dB
Impedance	50 $\Omega$
VSWR	< 1.3
Max. power	380 W (at 50 °C ambient temperature)
Order No.	80000005

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

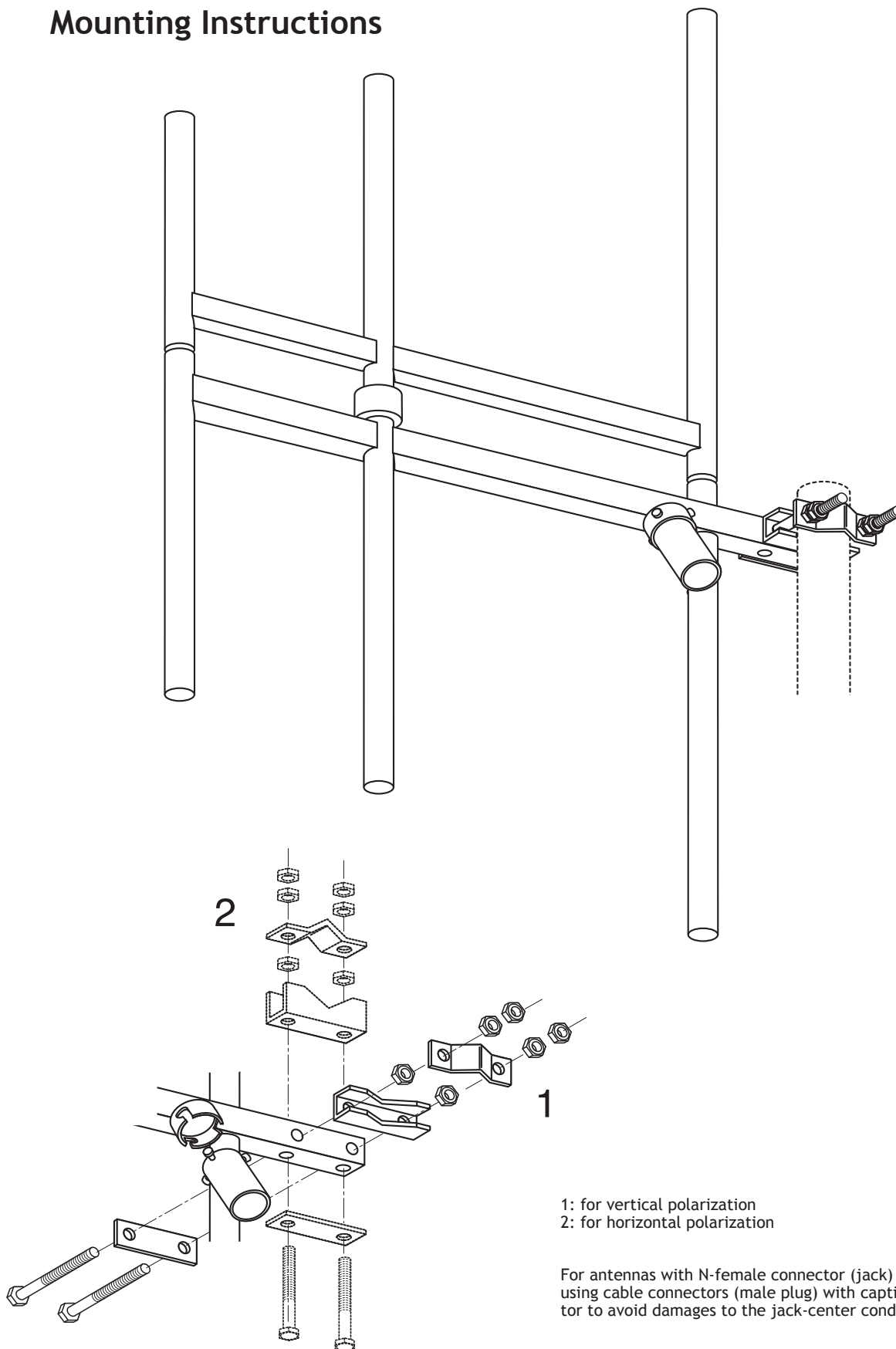
**Mounting:** On masts from 60-125 mm [2.4-4.9 inches] diameter, clamps supplied.

**Grounding:** All metal parts of the antenna including the mounting kit are DC grounded.



Mechanical specifications	
Input	N female
Wind load (N) (at 150 km/h) [lbf]	170 [38]
Max. wind velocity (km/h) [mph]	200 [125]
Height (mm) [inches]	approx. 1100 [43.3]
Yagi length (mm) [inches]	approx. 750 [29.5]
Weight (kg) [lb]	7.5 [16.5]
Packing size (mm) [inches]	1112 x 92 x 904 [43.8 x 3.6 x 35.6]

## Mounting Instructions



1: for vertical polarization  
2: for horizontal polarization

For antennas with N-female connector (jack) we recommend using cable connectors (male plug) with captive inner conductor to avoid damages to the jack-center conductor.