

# V pol Bidirectional Dipole Antenna Vertical Polarization 146 ... 174 MHz

The Schomandl K 53 00 21 is a robust bidirectional dipole antenna intended for use in professional fixed-station applications in the 146-174 MHz band.

- Horizontal pattern with two main directions, ideal for highways, railroads etc.
- Hot-dip galvanized steel construction
- Entire antenna at DC ground potential

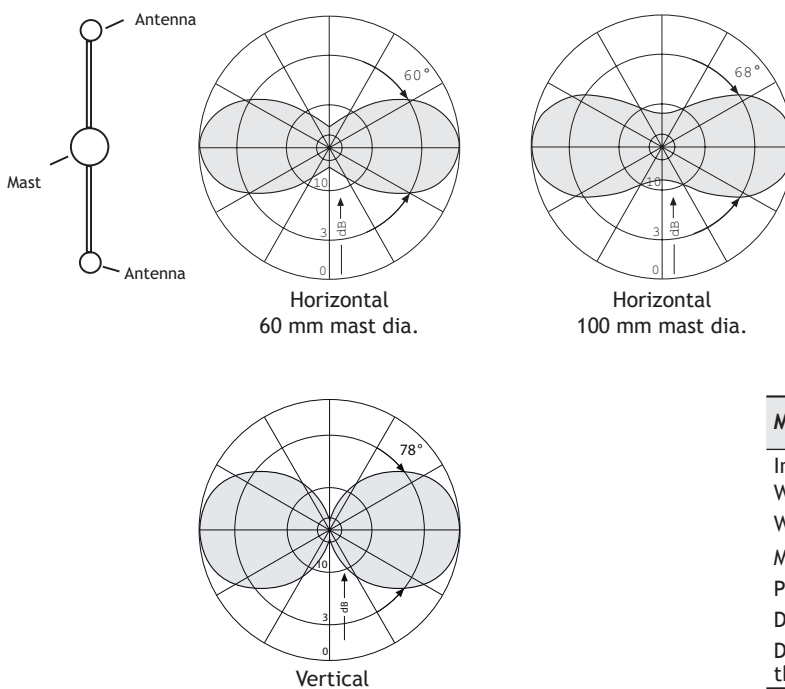


Type No.	<b>K 53 00 21</b>
Frequency range	146 - 174 MHz
Polarization	Vertical
Gain (ref. $\lambda/2$ dipole)	3 dB
Radiation Pattern	The mainbeam direction of the antenna is orthogonal to both dipoles.
Impedance	50 $\Omega$
WSWR	< 1.5
Max. power	340 W (at 50 °C ambient temperature)
Order no.	80000862

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

**Mounting:** On masts from 60 - 125 mm dia., clamps supplied.  
The antenna shall be clamped at the mast top.

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



## Mechanical specifications

Input	N female
Weight	7 kg
Wind load	175 N (at 150 km/h)
Max. wind velocity	220 km/h
Packing size	1110 x 910 x 140 mm
Dipole length	892 mm
Distance between the two dipoles	972 mm