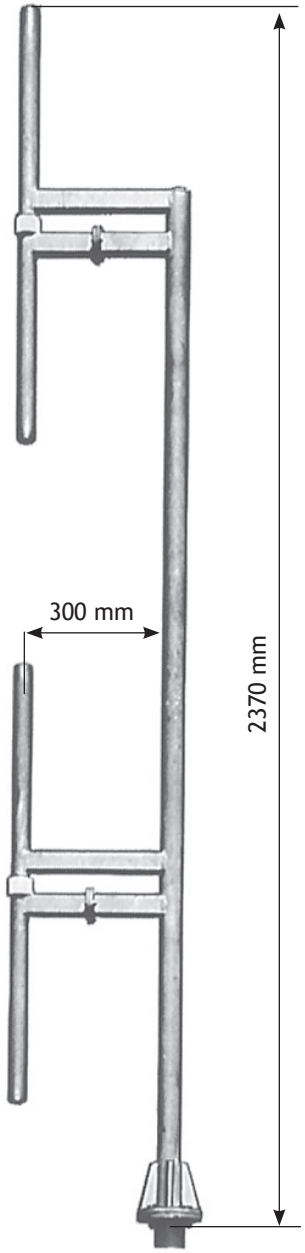
V pol Dipole Colinear Antenna
146 ... 174 MHz

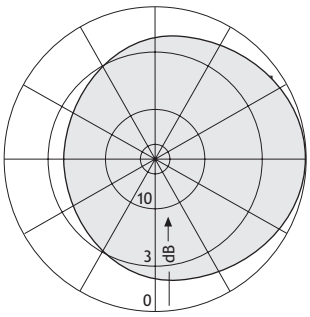
Schomandl's K 55 31 21 combines two dipoles in a colinear order to an antenna with unique performance:

- Main direction determined by dipole position towards the mast
- Very flat and vertical pattern with high gain
- Hot-dip galvanized steel construction
- Entire antenna at DC ground potential

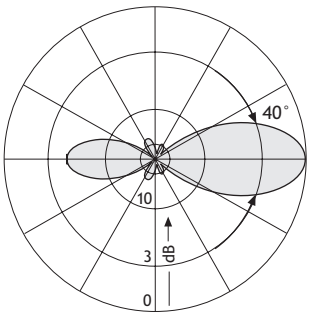


Type No.	K 55 31 21
Input	N female
Frequency range	141 - 180 MHz but preferred range 146 - 174 MHz
VSWR	< 1.3
Gain (bez. $\lambda/2$-dipole)	5 dB
Impedance	50 Ω
Polarization	Vertical
Max. power	110 W (at 50 °C ambient temperature)
Weight	13 kg
Wind load	Frontal: 200 N (at 150 km/h) Lateral: 250 N (at 150 km/h)
Max. wind velocity	200 km/h
Packing size	2400 x 420 x 150 mm
Order No.	80000861

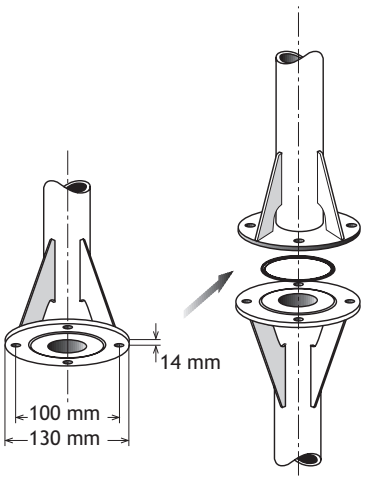
Material:	Hot-dip galvanized steel. All screws and nuts: Stainless steel.
Mounting:	Via standard flange 130 mm diameter.
Special features:	Preferred direction: Mast to radiator (see diagram). Cable connection: The jack is mounted inside the mast near the flange.
Grounding:	All metal parts of the antenna including the inner conductor and the supplied mounting hardware are DC grounded.



Horizontal



Vertical



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