

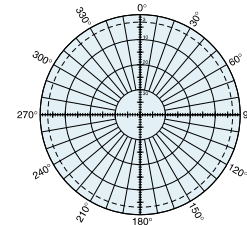
The Kathrein 711 530 omnidirectional groundplane antenna is intended for use in professional fixed-station applications in the 146–174 MHz band. It features:

- A design based on decades of proven reliability.
- Variable mounting configurations allow feeder cable to be run inside or outside the support pipe.
- Entire antenna at DC ground potential.
- Stainless steel ground radials, hardware, and fastenings.

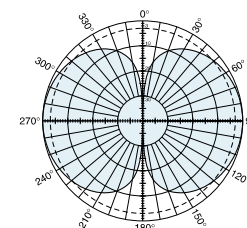
Specifications:

Frequency range	146–174 MHz
Gain	2 dBi
Impedance	50 ohms
VSWR	<1.5:1
Polarization	Vertical
Maximum input power	700 watts (at 50°C)
H-plane beamwidth	Omni
E-plane beamwidth	78 degrees (half-power)
Connector	N female
Weight	2.6 lb (1.2 kg)
Dimensions radiating element ground radials	16.6 inches (422 mm) 24.3 inches (617 mm)
Wind load	at 93 mph (150kph) 6 lbf / 25 N)
Wind survival rating*	120 mph (200 kph)
Shipping dimensions	25.7 x 4.4 x 3.8 inches (654 x 112 x 97 mm)
Shipping weight	4 lb (1.9 kg)
Mounting	For masts of 0.8 to 2.1 inches (20 to 54 mm) OD.

See reverse for order information.



H-plane
Horizontal pattern – V-polarization

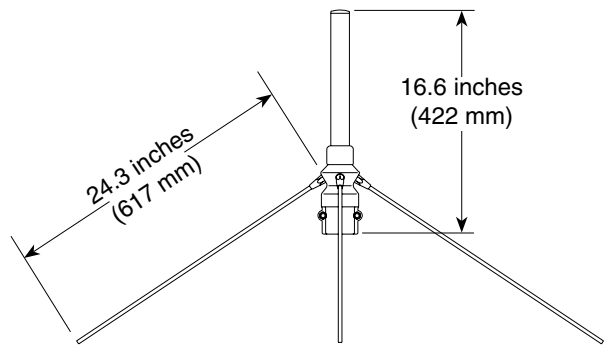
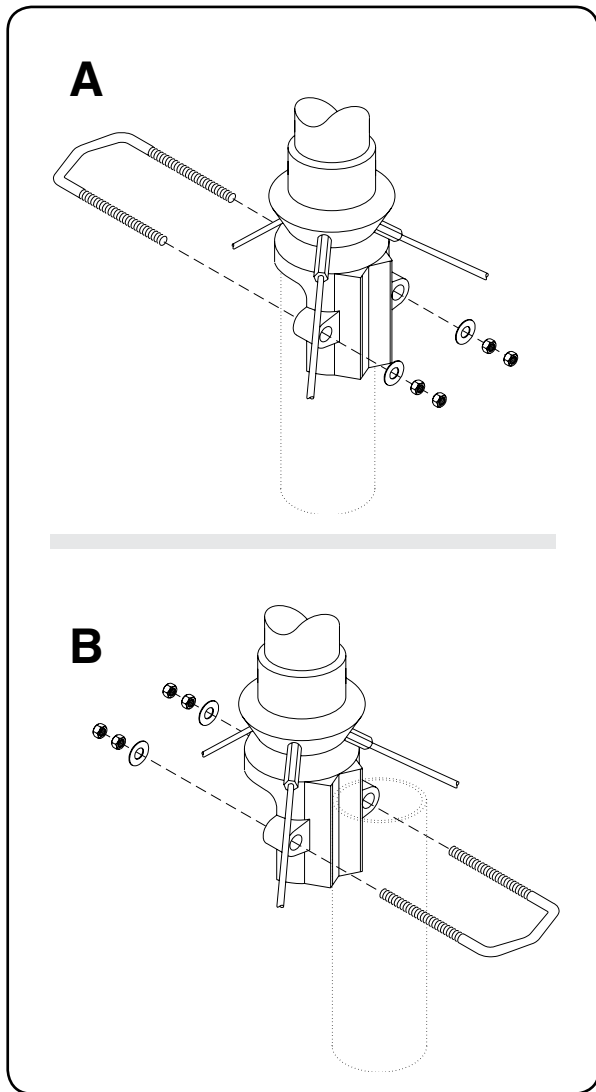


E-plane
Vertical pattern – V-polarization

* Mechanical design is based on environmental conditions as stipulated in TIA-222-G-2 (December 2009) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. See the Engineering Section of the catalog for further details.



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Mounting Options:

	Description
A	Mounting for 1.6 to 2.1 inch (40 to 54 mm) OD mast
B	Mounting for 0.8 to 1.6 inch (20 to 40 mm) OD mast

Order Information:

Model	Description
711 530	Omni Antenna with N connector

All specifications are subject to change without notice. The latest specifications are available at www.kathrein-scala.com.

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