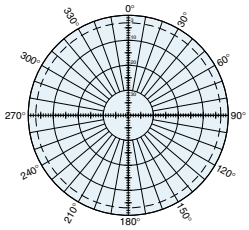
KATHREIN
SCALA DIVISION

Antenna with N female connector **721 388**
Antenna with 7-16 DIN female connector **720 880**

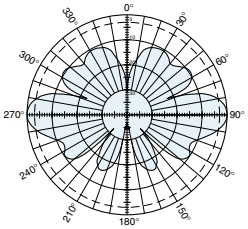
Omnidirectional Antenna 440 to 470 MHz

The Kathrein 721 388 and 720 880 omnidirectional broadband antennas are intended for use in professional fixed-station applications in the 440–470 MHz band. They feature:

- Collinear broadband design.
- Brass radiator assembly completely housed within the radome.
- Heavy-duty one-piece fiberglass radome.
- Inner conductor and all metal parts at DC ground potential.
- Extreme weather survival design.
- Integral cast aluminum base.
- Stainless steel hardware and fastenings.



H-plane
Horizontal pattern – V-polarization



E-plane
Vertical pattern – V-polarization

Specifications:

Frequency range		440–470 MHz
Gain		7 dBi
Impedance		50 ohms
VSWR		< 1.5:1
Polarization		Vertical
Maximum input power		500 watts (at 50°C)
H-plane beamwidth		Omni
E-plane beamwidth		18 degrees (half power)
Connector	**721 388** **720 880**	N female 7-16 DIN female
Weight		3.5 lb (1.6 kg)
Height		79.4 inches (2016 mm)
Radome diameter		0.83 inches (21 mm)
Wind load		at 93 mph (150kph) 14 lbf / 60 N)
Wind survival rating*		120 mph (200 kph)
Shipping dimensions		83.6 x 4.4 x 3.8 inches (2124 x 112 x 97 mm)
Shipping weight		8 lb (3.63 kg)
Mounting		Mounting hardware supplied. **A.** Mounting for 1.6 to 2.1 inch (40 to 54 mm) OD mast. **B.** Mounting for 0.8 to 2.1 inch (20 to 54 mm) OD mast.

* 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.

RoHS Lead-Free

10101-E
936.732/b

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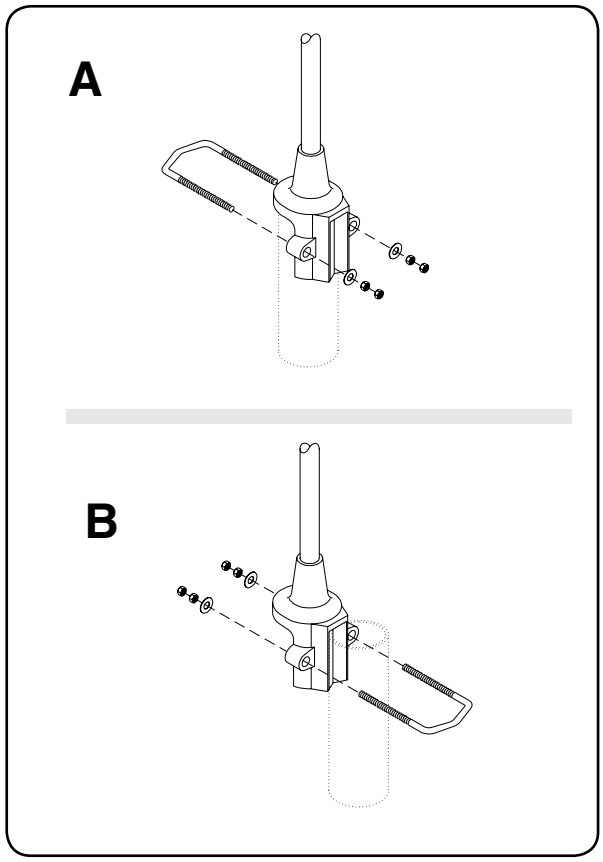

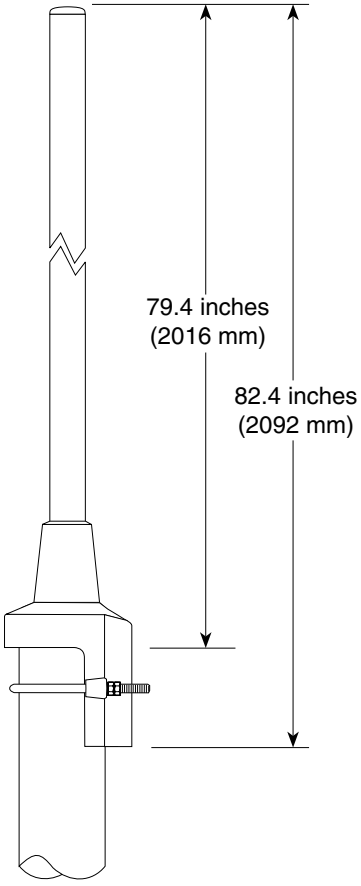

Mounting Options:

	Description
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Order Information:

Model	Description
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