

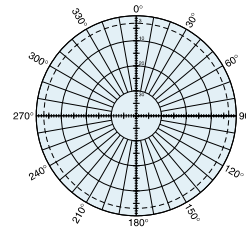
Omnidirectional Antenna
146 to 174 MHz

The Kathrein Scala Division K55262n-Series of omnidirectional broadband antennas is intended for use in professional fixed-station applications in the 146–174 MHz band. They feature:

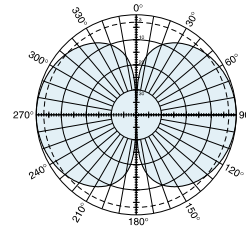
- Unity gain.
- Variable mounting configurations.
- Anodized aluminum construction.
- Inner conductor and all metal parts at DC ground potential.
- Cast aluminum base.
- Stainless steel hardware and fastenings.

Specifications:

Frequency range	K552626 146–156 MHz
	K552627 155–165 MHz
	K552628 164–174 MHz
Gain	2 dBi
Impedance	50 ohms
VSWR	<1.4:1
Polarization	Vertical
Maximum input power	130 watts (at 50°C)
H-plane beamwidth	Omnidirectional
E-plane beamwidth	78 degrees (half-power)
Connector	Connects to RG-213/U cable via terminals inside antenna. Customer supplied jumper required.
Weight	2.9 lb (1.3 kg)
Height	K552626 42.7 inches (1085 mm)
	K552627 41 inches (1042 mm)
	K552628 39.1 inches (993 mm)
Diameter	1.4 inches (35 mm)
Wind load	at 93 mph (150kph) 6 lbf / 25 N
Wind survival rating*	120 mph (200 kph)
Shipping dimensions	49.4 x 4.4 x 3.8 inches (1254 x 112 x 97 mm)
Shipping weight	6 lb (2.8 kg)
Mounting	Mounting hardware supplied.
	A. Mounting for 1.6 to 2.2 inch (40 to 54 mm) OD mast.



H-plane
Horizontal pattern – V-polarization



E-plane
Vertical pattern – V-polarization

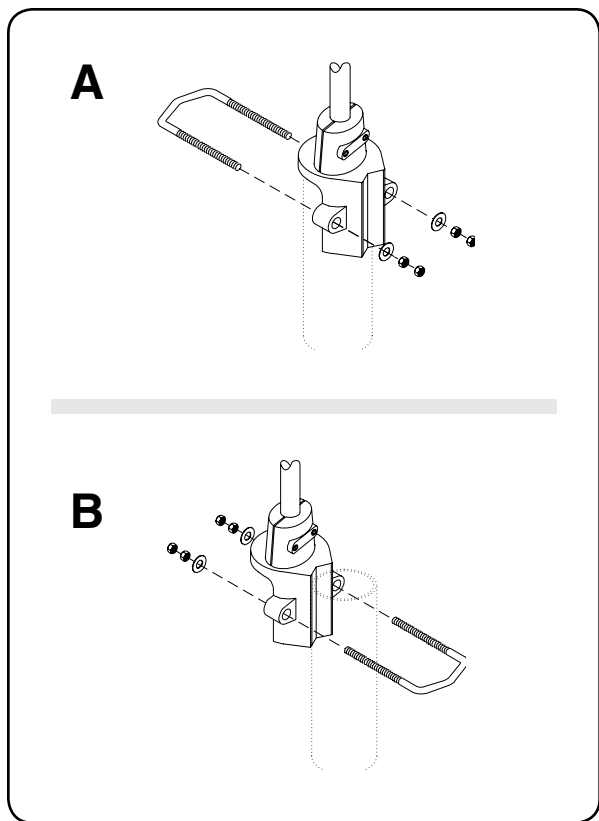


* Mechanical design is based on environmental conditions as stipulated in TIA-222-G-2 (December 2009) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. See the Engineering Section of the catalog for further details.



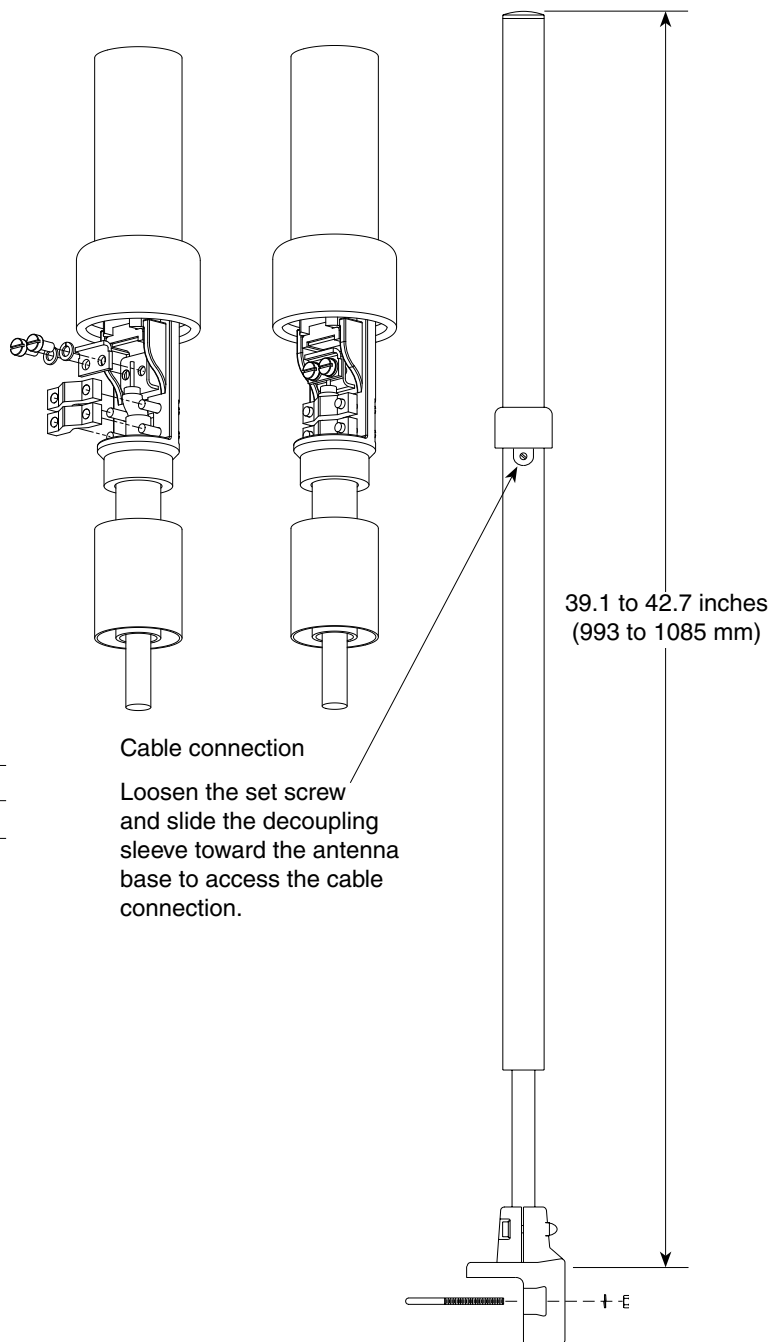
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Omnidirectional Antenna
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Mounting Options:

	Description
A	Mounting for 1.6 to 2.2 inch (40 to 54 mm) OD mast
B	Mounting for 0.8 to 2.2 inch (20 to 54 mm) OD mast



Order Information:

Model	Description
K552626	146–156 MHz Omni antenna
K552627	155–165 MHz Omni antenna
K552628	164–174 MHz Omni antenna

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