



B16-AA,AB,AC

Omnidirectional mast mount coaxial dipole antennas

UHF 310-390 MHz



The B16-AA, AB and AC fixed frequency coaxial dipoles provide an economical fixed position antenna solution with no compromise in either quality of construction or performance. It is ideal for omnidirectional low power transmit and receive applications up to 100 Watts.

Mounting hardware, coaxial feeder cables, connectors and other installation accessories are all available separately.

SKU	B16-AA	B16-AB	B16-AC
Construction	White fibreglass radome, aluminium mount section and tri-metal plated termination		
Fixed frequency range	AA: 310-335 MHz	AB: 336-362 MHz	AC: 363-390 MHz
VSWR	<1.8:1 across fixed bandwidth		
Tuning	Factory		
Gain	0 dBd - unity		
Maximum power	100 Watts		
Impedance - nominal	50 Ohms		
DC grounding	Yes		
Polarisation	Vertical		
H Plane	360° omnidirectional, ± 0.5 dBd		
E Plane	66°		
Connector	N-type female in base of mount section - no cable		
Height - at lowest frequency	1.5 metres		
Weight	1.5kg		
Projected area	0.035m ²		
Wind load at 160kph	3.5kg, 0.035kN		
Mount section	Height: 500mm, Diameter: 25mm - anodised aluminium		
Mounting hardware order separate	Parallel: 2 x EB1-SS or 1 x UB3-SS Right-angle: 2 x RB8 or 1 x UB2-SS		
Mounting position recommended	Mount as high as possible on your structure, mast or tower using the appropriate mounting clamp/s		
Installation tools required	Adjustable spanners for mounting clamp attachment. Self-amalgamating butyl rubber tape and uPVC electrical tape for termination sealing.		



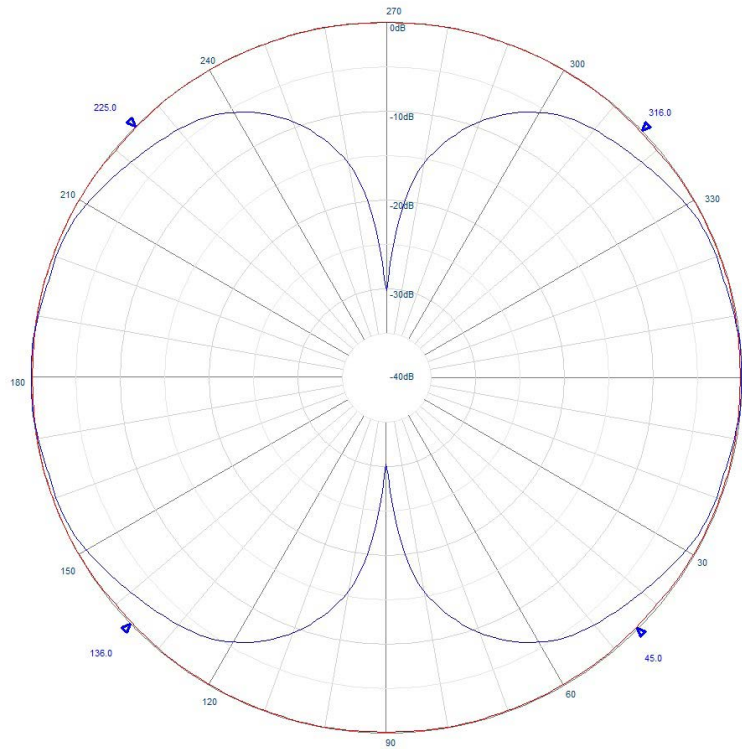
N-type female in base of mount section



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Example radiation pattern



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SKU: CFB** series**
Galvanised steel 'J' hockey stick brackets, 1.1 - 2.7 metres.

Requires mounting screws/ bolts and mounting hardware for antenna



SKU: SFB900
Galvanised steel pole extension 900mm

Available up to 2.0 metres
Roof or overhang mounting
Requires mounting screws/ bolts and mounting hardware for antenna




SKU: A-2654-2
Aluminium pole extension 1.1 metres includes pole mounting brackets.

Requires mounting screws/ bolts and mounting hardware for antenna




NBS
MAST & ACCESSORIES

NBS Anodised aluminium telescopic masts
2 to 6 sections
3-16 metre extended
Quick-install mounts available
[Contact us for more info.](#)



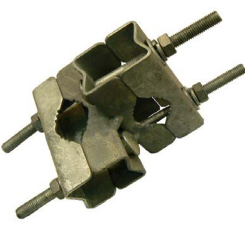
SKU: EB1-SS
2 units recommended
304 stainless steel parallel clamp

Boom: 20-40mm capability
Mount pole: 25-45mm capability



SKU: UB3-SS
304 stainless steel parallel clamp

Boom: 20-32mm capability
Mount pole: 20-50mm capability



SKU: RB8
2 units recommended
Galvanised steel steel right-angle clamp

Boom: 20-50mm capability
Mount pole: 20-50mm capability



SKU: UB2-SS
304 stainless steel steel right-angle clamp

Boom: 20-50mm capability
Mount pole: 20-50mm capability

[Suitable feeder coaxial cable and connectors](#)



SKU: 7800
MIL-SPEC RG213 stranded conductor, solid PE dielectric coaxial cable

Available in 100m or 300m roll or alternatively request a custom cable assembly



SKU: NM-7937
N-type male crimp connector for MIL-SPEC RG213

Tri-metal plated



SKU: 7890
RU400 Solid copper conductor, low loss coaxial cable
CNT-400 / LMR-400™ equivalent
(* times microwave)

SKU: 7890-3 - RU400-UF ultra flexible
Available in 100m, 300m, 500m roll or alternatively request a custom cable assembly



SKU: NM-8226
N-type male crimp connector for RU400 low loss, solid conductor

Tri-metal plated