

Y415B2-DMBH

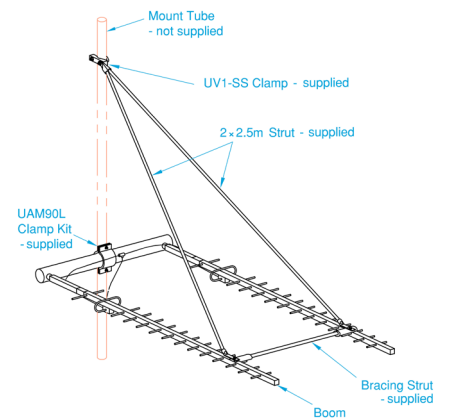
Broadband dual UHF Yagi antenna array

UHF, TETRA, LMR or GRN 380-520 MHz

The Y415B2-DMBH is a 2-stack UHF Yagi array antenna which produces a highly directional radiation pattern with high front-to-back ratio, specifically designed for long distance point-to-point communication links.

Coaxial feeder cable, connectors and other installation accessories are all available separately.

SKU	Y415B2-DMHB	Y415B2-DMHB-SS
Material	Corrosion resistant Aluminium	304 stainless steel
Construction	Dual 15 element Yagi antenna, welded rear support bar, insulated fibreglass support strut, coaxial phasing harness with nickel plated termination and galvanised steel mount clamps	
Frequency range	380-520 MHz - UHF, LMR, GRN and TETRA compatible	
Bandwidth	Specify any 20 MHz within band when ordering	
VSWR	<1.5:1 across specified bandwidth	
Tuning	Factory	
Yagi's in array	2 x 15 element Yagi's	
Gain - nominal	17 dBd	
Polarisation	Horizontally polarised and horizontally mounted - bayed	
Maximum power	100 Watts	
Impedance	50 Ohms	
H Plane	28°	
E Plane	15°	
Front-to-back	dB	
Cable	2-way coaxial phasing harness - at rear of antenna	
Connector	N-type female fitted to phasing harness	
Maximum length - at 380 MHz	2.5 metres	
Maximum width - at 380 MHz	1.65 metres	
Array weight	9.0kg	16.0kg
Projected area	0.253m ²	
Wind load at 160kph	0.300kN, 30.609kg	
Mounting hardware supplied	2 x 2.5m support struts, 1 x strut-to-pole mount 1 x right-angle antenna mount clamp	

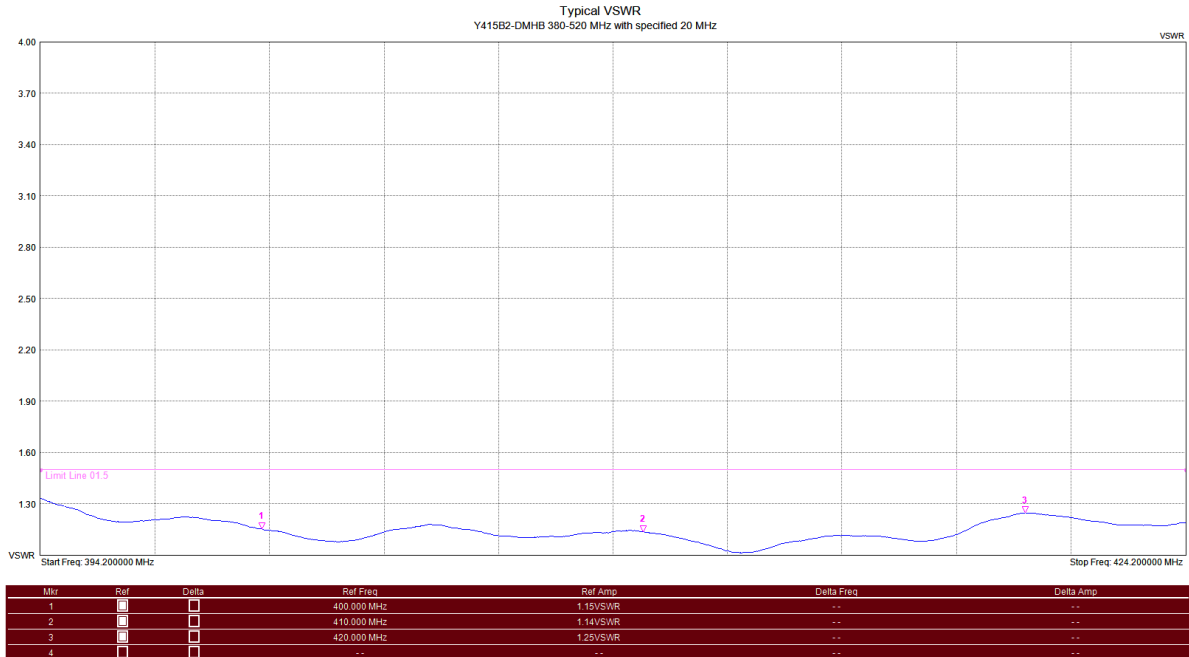


Y415B2-DMBH with included strut kits + UV1-SS and UAM90L fitted to reduce mechanical downtilt and movement



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Typical VSWR at a specified 20 MHz bandwidth



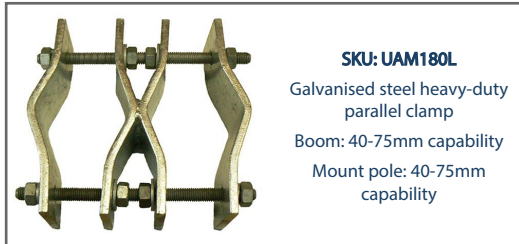
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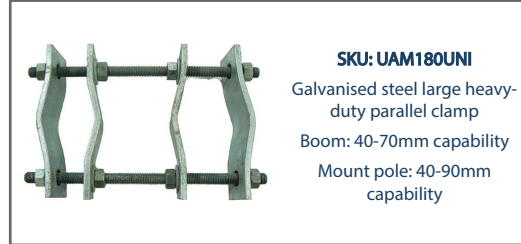
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Alternate mounting hardware - order separate



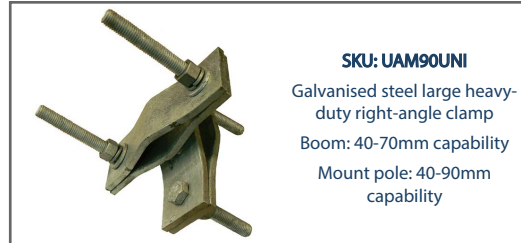
SKU: UAM180L
Galvanised steel heavy-duty parallel clamp
Boom: 40-75mm capability
Mount pole: 40-75mm capability



SKU: UAM180UNI
Galvanised steel large heavy-duty parallel clamp
Boom: 40-70mm capability
Mount pole: 40-90mm capability



SKU: UAM180UNIL
Galvanised steel extra large heavy-duty parallel clamp
Boom: 40-90mm capability
Mount pole: 60-115mm capability



SKU: UAM90UNI
Galvanised steel large heavy-duty right-angle clamp
Boom: 40-70mm capability
Mount pole: 40-90mm capability



SKU: UAM90LL
Galvanised steel extra large heavy-duty right-angle clamp
Boom: 60-115mm capability
Mount pole: 60-115mm capability

Suitable feeder coaxial cable and connectors



SKU: 7890
RU400 Solid copper conductor, low loss coaxial cable
SKU: 7890-2 - RU400-UF ultra flexible
Available in 100m ,300m or 500m rolls or alternatively request a custom cable assembly



SKU: NM-8226
N-type male crimp connector for RU400 and RU400-UF coaxial cables

Tri-metal plated



SKU: 7890-3
RU600 low loss, solid conductor coaxial cable

Available in 500m roll or alternatively request a custom cable assembly



SKU: NM-8226-2
N-type male crimp connector for RU600 low loss, solid conductor

Tri-metal plated



SKU: ZCG1250
1/2" corrugated shielding, foam dielectric coaxial cable
SKU: ZCG1250-A - Air Dielectric
Available in per metre, or 500m rolls or alternatively request a custom cable assembly



SKU: NM1250
N-type male clamp connector for 1/2" flexible, corrugated shielded, coaxial cable

Tri-metal plated



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