



DUA-4052-6E Series

4-stack elliptical dipole array

UHF / TE.T.RA / Land Mobile Radio 400-520MHz



These dipole arrays offers both an elliptical radiation pattern and genuine broadband coverage across the entire UHF/TETRA 400-520MHz frequency range. The array is therefore ideally suited for multiple frequency transmissions at highly populated radio sites.



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

	DUA-4052AL-6E	DUA-4052SS-6E
Construction	2-piece fully-welded corrosion resistant aluminium	2-piece fully-welded 304 grade stainless steel
Sets of dipoles	4 (8 dipoles)	
Frequency range	TE.T.RA / L.M.R. / C.B.R.S. / UHF 400-520MHz	
Bandwidth	Full frequency range	
VSWR	<1.5:1	
Tuning	Factory	
Gain	6dBd	
Maximum power	500 Watts	
Polarisation	Vertical	
Impedance	50 Ohms	
DC grounding	Yes	
Cable	1 metre UV rated RG142 - bottom exit from mount section - can be supplied with dual cable terminations for Tx/Rx capabilities upon request	
Connector	N-type female fitted to cable tail or specify requirements	
Projected area	0.147m ²	
Wind load at 160kph	17.866kg, 0.175kN	
Height	3.2 metres	
Mount section	48.4mm x 300mm	50.8mm x 300mm
Weight	17kg	25kg
Mounting hardware order separate	Parallel: 2 x UAM180L 40-75mm or UAM180UNI - 40-90mm capability Right-angle: 2 x UAM90L - 40-75mm or UAM90UNI - 40-90mm capability	



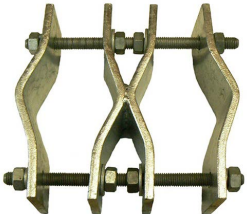
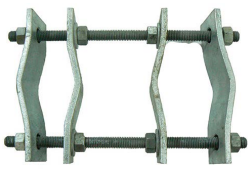
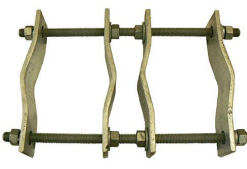
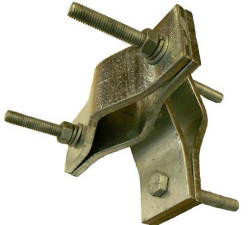




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Suitable mounting hardware

 <p>UAM180L - requires 2 Galvanised steel parallel clamp Boom: 40-75mm capability Mount pole: 40-75mm capability</p>	 <p>UAM180UNI - requires 2 Galvanised steel large parallel clamp Boom: 40-70mm capability Mount pole: 40-90mm capability</p>
 <p>UAM180UNIL - requires 2 Galvanised steel extra large parallel clamp Boom: 40-90mm capability Mount pole: 60-115mm capability</p>	 <p>UAM90L - requires 2 Galvanised steel right-angle clamp Boom: 40-75mm capability Mount pole: 40-75mm capability</p>
 <p>UAM90UNI - requires 2 Galvanised steel large right-angle clamp Boom: 40-70mm capability Mount pole: 40-90mm capability</p>	 <p>UAM90LL - requires 2 Galvanised steel extra large right-angle clamp Boom: 60-115mm capability Mount pole: 60-115mm capability</p>

Suitable feeder coaxial cable

 <p>RU400 Solid copper conductor, low loss coaxial cable CNT-400 / LMR-400™ equivalent (™ times microwave) P/N 7890 Available in 100m, 300m, 500m roll or alternatively request a custom cable assembly</p>	 <p>N-type male crimp connector for RU400 low loss, solid conductor P/N 8226 Tri-metal plated</p>
 <p>1/2" super flexible helical shielded, foam dielectric coaxial cable P/N ZCG1250SF Available in per metre, 500m roll or alternatively request a custom cable assembly</p>	 <p>N-type male clamp connector for 1/2" super flexible, helical shielded coaxial cable P/N NM1250SF Tri-metal plated</p>
 <p>1/2" corrugated shielding, foam dielectric coaxial cable P/N ZCG1250 Available in per metre, 500m roll or alternatively request a custom cable assembly</p>	 <p>N-type male clamp connector for 1/2" flexible, corrugated shielded, coaxial cable P/N NM1250 Tri-metal plated</p>