



## DUA-4052AL-2

Omnidirectional broadband UHF low gain binary dipole array

UHF / TETRA / Land Mobile Radio 400-520 MHz



A binary dipole array offers both an omni-directional radiation pattern and genuine broadband coverage across the entire UHF / TETRA / Land Mobile Radio (LMR) 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.

Construction	Welded single piece corrosion resistant aluminium boom, dipole stand-off and dipoles, single external cable and termination
Sets of dipoles	1 (2 dipoles)
Frequency range	400-520 MHz - UHF, TETRA, LMR and GRN compatible
Bandwidth	Full frequency range stated - 120 MHz
VSWR	<1.5:1
Tuning	Factory
Gain	2 dBd
Maximum power	500 Watts
Polarisation	Vertical
H Plane	360° omnidirectional, ± 0.5 dBd
Impedance	50 Ohms
DC grounding	Yes
Cable	1 metre UV rated RG142 - bottom exit from mount section
Connector	N-type female fitted to cable tail or specify requirements - <a href="#">type 4.3-10 connector available</a>
Height	2.0 metres
Mount section area	48.4mm x 300mm
Weight	4.5kg
Projected area	0.076m <sup>2</sup>
Wind load at 160kph	9.18kg, 0.090kN
Mounting hardware order separate	Parallel: 2 x UAM180L (40-75mm) or UAM180UNI (40-90mm) Right-angle: 2 x UAM90L (40-75mm) or UAM90UNI (40-90mm)

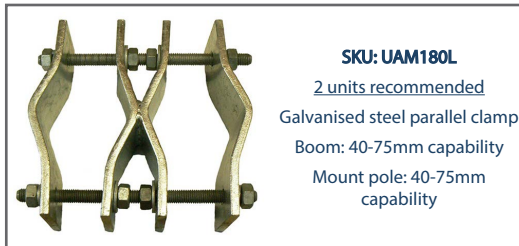




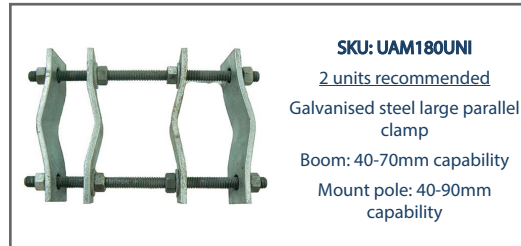
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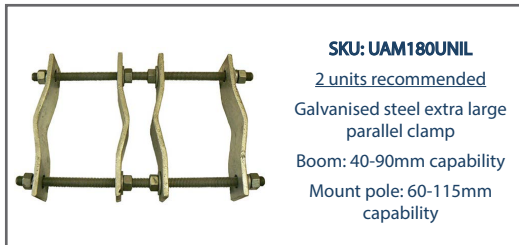
### Suitable mounting hardware



**SKU: UAM180L**  
2 units recommended  
Galvanised steel parallel clamp  
Boom: 40-75mm capability  
Mount pole: 40-75mm capability



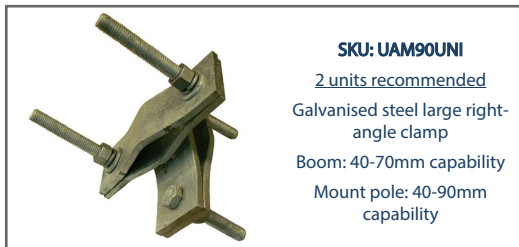
**SKU: UAM180UNI**  
2 units recommended  
Galvanised steel large parallel clamp  
Boom: 40-70mm capability  
Mount pole: 40-90mm capability



**SKU: UAM180UNIL**  
2 units recommended  
Galvanised steel extra large parallel clamp  
Boom: 40-90mm capability  
Mount pole: 60-115mm capability



**SKU: UAM90L**  
2 units recommended  
Galvanised steel right-angle clamp  
Boom: 40-75mm capability  
Mount pole: 40-75mm capability



**SKU: UAM90UNI**  
2 units recommended  
Galvanised steel large right-angle clamp  
Boom: 40-70mm capability  
Mount pole: 40-90mm capability



**SKU: UAM90LL**  
2 units recommended  
Galvanised steel extra large right-angle clamp  
Boom: 60-115mm capability  
Mount pole: 60-115mm capability

### Suitable feeder coaxial cable



**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



**SKU: 7890-3**  
RU600 Solid copper conductor, low loss coaxial cable  
LMR-600™ equivalent  
(\* times microwave)  
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  
Available in per metre, 500m roll 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