



## G46VHP

### Omnidirectional heavy-duty 7/16" DIN terminated UHF collinear UHF / TE.T.RA / Land Mobile Radio 380-520 MHz



The G46VHP is our 7/16" DIN female terminated UHF omnidirectional collinear, designed for use within the UHF frequency range 380-520 MHz. The G46VHP is terminated with a low PIM 7/16" DIN female terminated for the passive intermodulation requirements such as telecommunications towers.

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

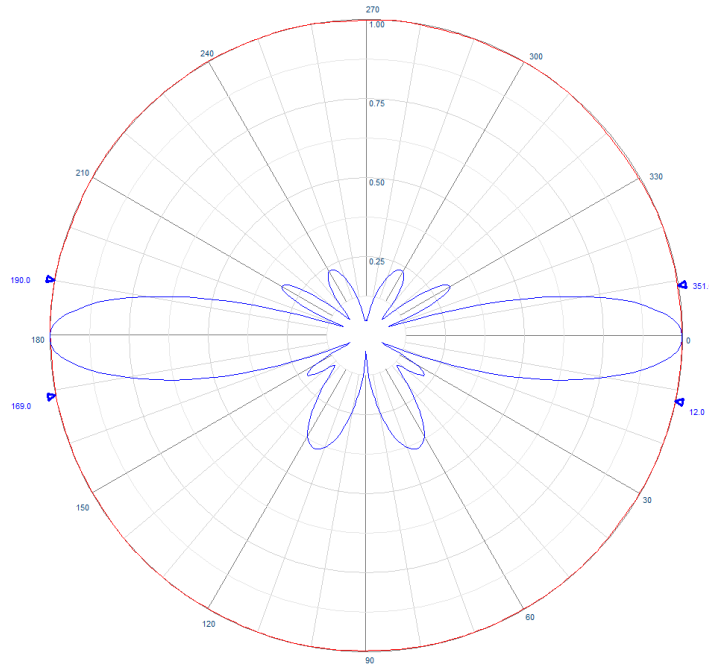
Construction	White fibreglass radome, 304 stainless steel mount section, aluminium cap and low PIM 7/16" DIN female termination
Frequency range	380-520 MHz - UHF, TETRA and LMR compatible
Maximum bandwidth	Any 1.5% - specify when ordering
VSWR	<1.5:1 across specified bandwidth
Tuning	Factory
Gain	6 dBd
Maximum power	1 Kilowatt
Impedance - nominal	50 Ohms
DC grounding	Yes
Polarisation	Vertical - G46 available in inverted configuration
H Plane	360° omnidirectional, ± 0.5 dBd
E Plane	21°
Connector	7/16" DIN female in base of mount section
Height at 380 MHz	3.0 metres
Weight	4kg
Projected area	0.066m <sup>2</sup>
Wind load at 160kph	8kg, 0.079kN
Mount section	450mm x 50.8mmØ - 304 stainless steel
Mounting hardware order separate	Parallel: 2 x UAM180L Right-angle: 2 x UAM90L





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Example radiation pattern

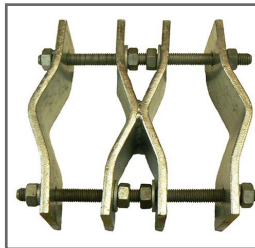


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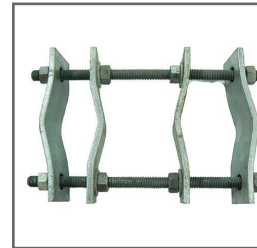
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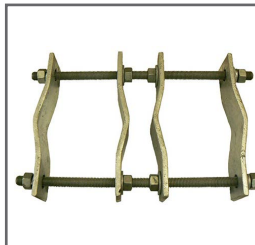
Suitable mounting hardware - All series




**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 and connectors



**SKU: ZCG1250SF**  
1/2" super flexible helical shielded, foam dielectric coaxial cable  
Available in per metre, 500m roll or alternatively request a custom cable assembly



**SKU: 716DINM1250SF**  
7/16" DIN male clamp connector for 1/2" super flexible, helical shielded coaxial cable  
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: 716DINM1250**  
7/16" DIN male clamp connector for 1/2" flexible, corrugated shielded, coaxial cable  
Tri-metal plated



**SKU: ZCG7850**  
7/8" corrugated shielding, foam dielectric coaxial cable  
Available in per metre, 500m roll or alternatively request a custom cable assembly



**SKU: 716DINM7850**  
7/16" DIN male clamp connector for 7/8" flexible, corrugated shielded, coaxial cable  
Tri-metal plated