



## G25-R

### Ruggedised 'Alpine' omnidirectional VHF collinear VHF high band 148-174 MHz



The G25-R ruggedised omni-directional base station collinear is the heavy-duty model of the standard G25, suitable for locations where damage occurrence is high such as alpine regions due to snow/ice build-up or tropical locations where cyclonic weather environments occur.

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

Construction	White fibreglass parallel radome, galvanised steel mount section and external termination
Frequency range	140-174 MHz - VHF high band
Bandwidth	Any 3% within frequency range
VSWR	<1.5:1
Tuning	Factory
Gain	4.5 dBd
Maximum power	250 Watts
Impedance - nominal	50 Ohms
DC grounding	Yes
Polarisation	Vertical
H Plane	360° omni-directional, ± 0.5 dBd
E Plane	26°
Connector	N-type female in base of mount section - no cable
Height	5.0 metres at 148MHz
Weight	7.0kg
Projected area	0.177m <sup>2</sup>
Wind load at 160kph	21.40kg, 0.kN
Mount section	460mm x 60.3mm - galvanised steel
Mounting accessories order separate	Parallel: 2 x UAM180L or 2 x UAM180UNI Right-angle: 2 x UAM90L or 2 x UAM90UNI



N-type female in heavy-duty galvanised steel mount section

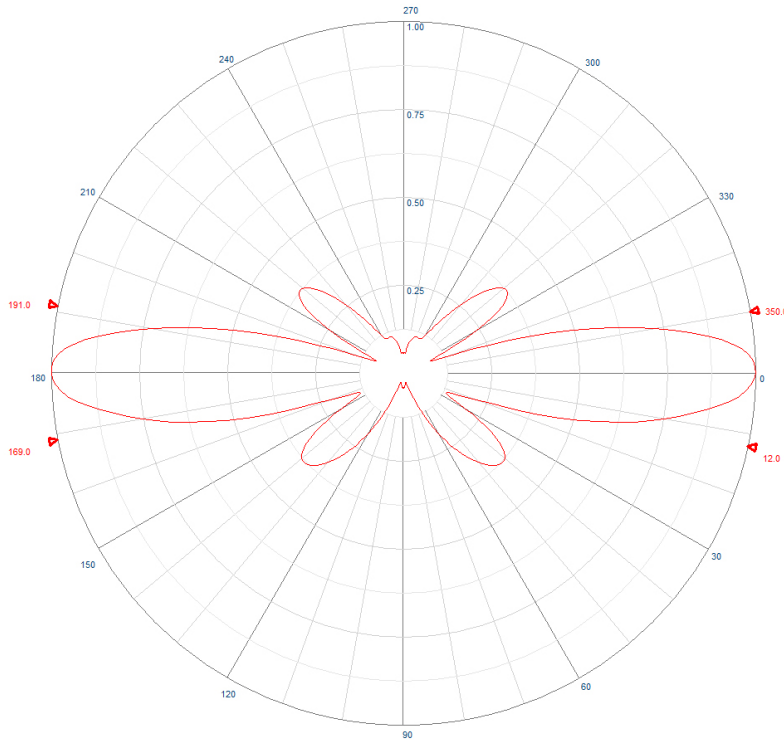


2 x UAM180L mounting brackets



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Example radiation pattern

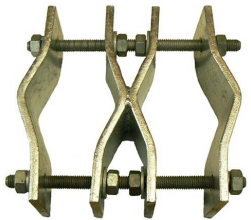
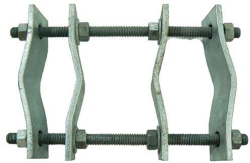
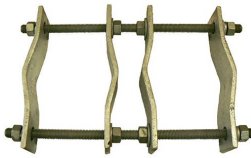
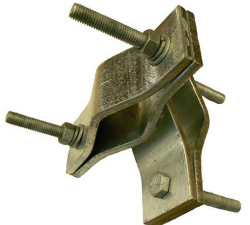




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#### Suitable mounting hardware

 <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" corrugated shielding, foam dielectric coaxial cable P/N ZCG1250 Available in per metre, or 500m rolls 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>
 <p>7/8" corrugated shielding, foam dielectric coaxial cable P/N ZCG7850 Available in per metre, or 500m rolls or alternatively request a custom cable assembly</p>	 <p>N-type male clamp connector for 7/8" flexible, corrugated shielded, coaxial cable P/N NM7850 Tri-metal plated</p>