

## Model: MGM500; Meteorological Guyed Lattice Mast

Structure type	Guyed triangular lattice construction
Maximum Height	100m
Profile	Face width of mast is 500mm; Height of each panel is 2.5m
Members type	Circular Hollow Section (CHS); Solid Rounds (SR)
Finish	Hot dip galvanised with 85 microns minimum average coating
Usage	Meteorological for wind speed measurement
Equipment Loading	Horizontal booms for anemometers and wind vanes
Climbing facility	Step bolts welded to one face of mast
Foundations	Reinforced concrete raft to suit all terrain and soil conditions

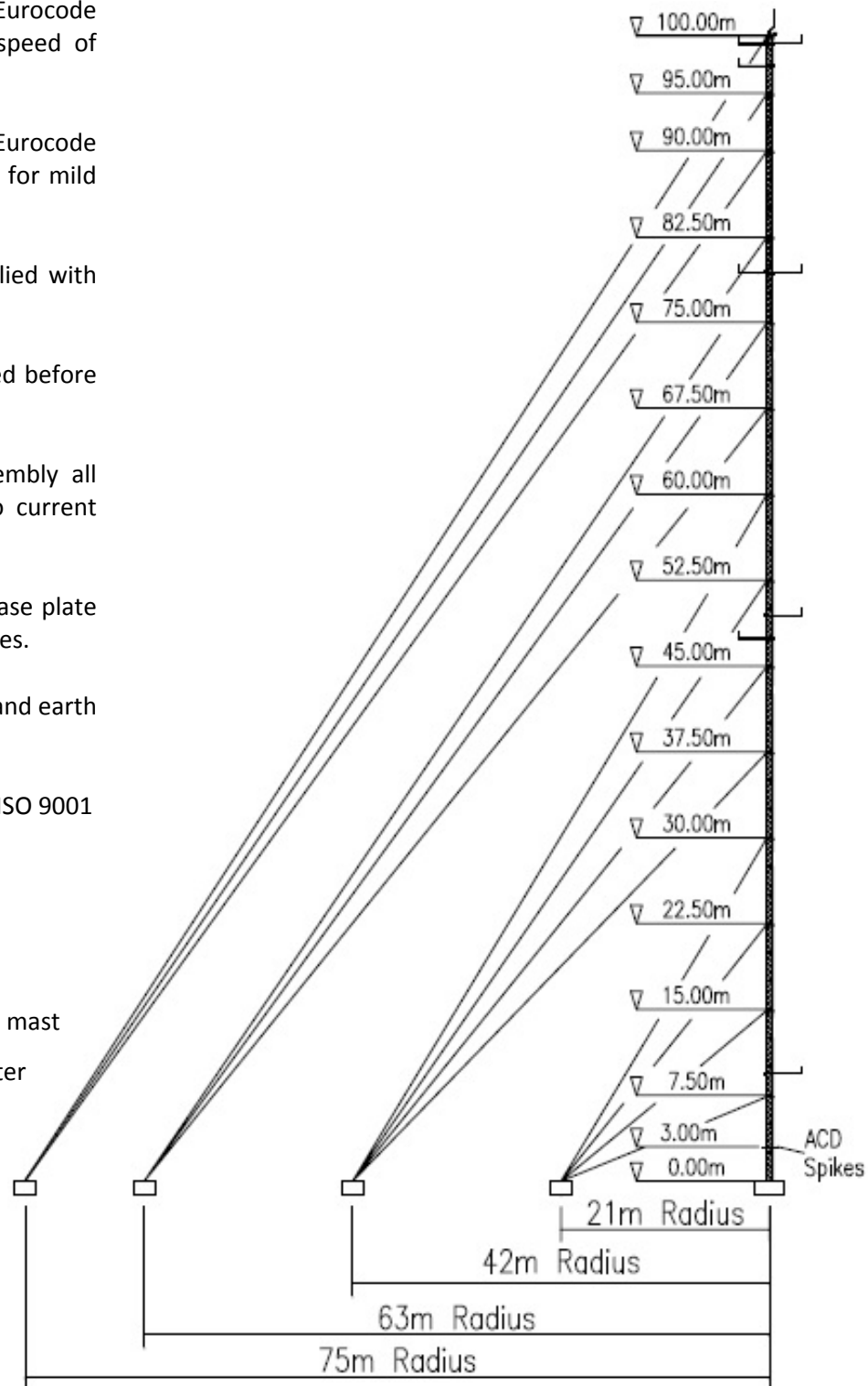


# Model: MGM500

- Lattice mast design to the current British/Eurocode Standards for basic mean hourly wind speed of 25m/s
- All material to the current British/Eurocode Standards with yield stress of 275N/mm<sup>2</sup> for mild steel and 355N/mm<sup>2</sup> for high yield
- All bolts of grade 8.8 or equivalent supplied with one nut and one spring washer
- The mast structure will be trial assembled before galvanising to ensure perfect fit
- After fabrication, marking and trial assembly all steelworks will be hot dip galvanised to current British/European Standards
- The mast base module is supplied with base plate and holding down bolts with guy wire cables.
- The mast is fitted with lightning finial rod and earth lugs on the bottom module.
- Manufacturing quality conforms to BS EN ISO 9001

## Optional Items:

- Anti climbing device (ACD), fixed spikes on mast
- Feeder gantry from mast base to transmitter building
- Safety climbing device and accessories
- Anemometer support booms
- Ground Earth Kit
- Aircraft Warning Light System (AWLS)
- Paint material and/or shop painting



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