

## 30m Monopole - 5m<sup>2</sup> Loading 160 Km/H

Optimised for cellular telecom applications, this structure is produced with deployment and operation in mind and is capable of supporting 5m<sup>2</sup> of antenna load whilst remaining within a deflection limit of 1.0° at operational wind speed.

Produced from premium steel hot dip galvanised equivalent to ASTM A123 (2000) this structure has a design life in excess of 25 years.

Export packed and supplied with holding down bolts, anchor plates and setting template, this product is the quality choice.

Loading	Height	Type	Area
Distributed	Over Top 10m	Antenna Loading	5m <sup>2</sup>

Design Wind Speeds (3 Second Gust)	
Basic Wind Speed	44.0 m/s
Operational Wind Speed	31.0 m/s

Deflection	
Less than or Equal to	1.0° (at Operational Wind Speed)

Design Parameter	
Structure Class	2
Exposure Category	C
Topographic Category	1

### Design Standards

Material	Standard	Steel Grade	Tensile Strength	Yield Strength
Structural Steel	GB 700-88	Q235	375-500 N/mm <sup>2</sup>	235 N/mm <sup>2</sup>
	GB/T 1591-94	Q345	470-630 N/mm <sup>2</sup>	345 N/mm <sup>2</sup>
Structural Bolts	BS 3692	8.8	830 N/mm <sup>2</sup>	664 N/mm <sup>2</sup>



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#### Codes of Practice

ANSI/TIA 222-G : 2005 - Structural Standard for Steel Antenna Tower and Antenna Support Structures

ASCE/SEI 48-05 : 2005 (superseded ASCE Manual No. 72) Design Of Steel Transmission Pole Structures

Galvanization Equivalent to ASTM A123 (2000)

#### Features

- Holding Down Bolt Kit

- Setting Template

- Lightning Spike