



50m 4-Leg Tower - 5m² Loading 160 Km/H

Optimised for cellular telecom applications, this structure is produced with deployment and operation in mind and is capable of supporting 5m² of antenna load whilst remaining within a deflection limit of 0.5° at operational wind speed.

Produced from premium steel members hot dip galvanised equivalent to ASTM A123 (2000) and connected with high grade galvanised bolts, 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 ² |
| Linear | Vertical Run | Feeder Cable & Ladder | 0.50 m ² /m |

| 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 | 0.5° (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 ² | 235 N/mm ² |
| | GB/T 1591-94 | Q345 | 470-630 N/mm ² | 345 N/mm ² |
| Structural Bolts | BS 3692 | 8.8 | 830 N/mm ² | 664 N/mm ² |



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Codes of Practice

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

ANSI/AISC 360-05 : 2005 - Specification for Structural Steel Buildings

Galvanization Equivalent to ASTM A123 (2000)

Features

- Internal Caged Ladder

- Work Platform

- Rest Platform

- Holding Down Bolt Kit

- Setting Template

- Lightning Spike