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40m 3-Leg Tower - 20m² Loading

Optimised for cellular telecom applications, this structure is produced with deployment and operation in mind and is capable of supporting 20m² 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	20m²
Linear	Vertical Run	Feeder Cable & Ladder	0.40 m²/m

Design Wind Speeds (3 Second Gust)	
Basic Wind Speed	28.5 m/s
Operational Wind Speed	27.5 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	JIS G 3444	STK 41	402 N/mm²	235 N/mm²
	JIS G 3101	SS 400	310 N/mm²	245 N/mm²
Structural Bolts	BS 3692	8.8	830 N/mm²	664 N/mm²

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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 - America Institute of Steel Construction
Galvanization Equivalent to ASTM A123 (2000)

Features	
- Internal Caged Ladder	
- Work Platform	5m Below Top
- Rest Platform	11.6m / 23.2m
- Holding Down Bolt Kit	
- Setting Template	
- Lightning Spike	