

SECURING A CONNECTION ANYWHERE



TELECOMMUNICATION GUYED MAST
GUYED MAST (SQUARE/TRIANGULAR)



البابطين لبلاك
AL-BABTAIN LeBLANC

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The Guyed Mast (square/ triangular) can help your organization reduce costs, as it is known for being economical. It is of a light/ medium duty, knockdown square or triangular shape tower that is supported freely on the base, fixed with guy wires, and torque resistor. These specifications enable it to achieve unparalleled proficiency for any heights on a wider land area.

Application

- For microwave solid and grid antenna applications up to 4.6m (15') diameters, depending on the heights and the environment loading conditions.
- For GSM cellular radio.
- For supporting UHF, VHF, YAGI and reflector type antennas.
- Various other antenna types, sizes, and loading conditions can be accommodated utilizing suitable sections of the tower (check with ABL Engineering Department for application).



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Construction Features

Features:

- The legs are 90°/ 60° angle members.
- The bracing members are bolted 90° angles. A ladder is mounted inside/ outside the tower for climbing or alternative step bolts can be provided.
- Antenna mounts can be fitted to either the leg or face of the tower.
- All structure members conform to ASTM A 572 GR50 ISO EN 2005 and JIS 3101 or equivalent standards.
- All welding conform to the requirements of the AWS D 1.1/ D 1.1 M: 2008 AS/ NZS 1554.1: 2004 and similar standards.
- The structure is designed according to the latest American, Eurocode, Canadian, Australian or other applicable international standards for wind and ice loads specified for the particular site.
- All materials are hot-dipped galvanized after fabrication to ISO 1461, AS/ NZS 4680 or
- ASTM 123 standards.
- All structural bolts conform to ASTM standard A 325 and galvanized to ASTM standard A 153.
- Manufacturing quality conforms to ISO 9001: 2001 standard.

Optional Items:

The towers are supplied completely with legs, web members, base plates, ladders, rest platforms, anchorage steel, torque resister, guy wire and other associated accessories as required. The following items are supplied as specified:

- Tower Grounding and Lightning.
- Aviation Warning Lighting System.
- A fixed platform can be supplied at the top to facilitate the access to a top mounted antenna.
- A cable ladder to support the transmission lines.
- Antenna mounts to suit specified antennas.
- Antennas and transmission lines as specified by the customer.
- Fall Arrest System device and accessories.
- A separate transmission line gantry.



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