

SECURING A CONNECTION ANYWHERE



RAPID DEPLOYMENT
CAMOUFLAGE SOLUTIONS
**RAPID DEPLOYMENT
MONOPOLE (RDM)**



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AL-BABTAIN LeBLANC

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RAPID DEPLOYMENT MONOPOLE (RDM)

Rapid Deployment Monopole (RDM) is a polygonal monopole built on a pre-cast foundation, assembled in segments by flanged - type bolted connections, having 1.8m diameters circular antenna mounting system with a platform at the top. This product is developed to assist the customers to maintain the aesthetic look of the structure binding with the surroundings & is configured for easy installation and allowing re-deployment at a short period of time. RDM is a compact Greenfield site solution and is designed for a minimum site plot area.

Application

- For microwave solid and grid antenna applications up to 1.2m diameters, depending on the heights and the environment loading conditions.
- For GSM cellular radio.
- Various other antenna types and 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 RDM monopoles are aesthetically good looking structures, with small footprint, made of polygonal modules assembled together in segments by flanged-type bolted connections for fast & easy installation.
- Antenna mounts can be fitted to either the shaft or the platform of the pole.
- All structure members conform to ASTM A572 GR 50 ISO EN 2005 and JIS S3101 or equivalent standards.
- All welding conform to the requirements of the AWS D1.1/ D1.1 M: 2008 AS/ NZS 1554.1: 2004 and 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.
- Finishing: hot-dipped galvanized + painted.
- Equipped with Fall Arrest System.
- The security fence is comprised of standard panel sizes, which are made of a hot galvanized pipe and a chain-link fence. The top is secured with a barbed wire.
- The site is assembled easily and rapidly, and will be on air within 2 to 3 days.
- The foundation for the monopole is precast or cast in site.

Optional Items:

The monopoles are supplied completely with shafts, platforms, ladders, and anchor bolts as required. The following items are supplied as specified:

- Monopole Grounding and Lightning.
- Monopole lighting (this may be either conventional red obstruction light or strobe lights)
- Monopole painting.
- A cable gantry 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.
- Precast RCC foundation.
- Site grounding system.
- Optional equipment as requested by the client.
- Supply & installation of cable tray 200mm-400mm (if required).
- Mains power to GF site (if required).
- Supply and installation of GF cable tray support pole (if required).
- Construction of 4m wide access road (if required).
- Provide and lay 100mm gravel over 300mm thick compacted road base layer (98% MDD).
- Supply and installation of a fully equipped shelter with dimensions (3.2x2.0x2.9) including the foundation.
- Supply and installation of the generator and the fuel tank or alternatively commercial power to the site.



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