

# SECURING A CONNECTION ANYWHERE



## TELECOMMUNICATION MONOPOLES



البابطين لبلاك  
AL-BABTAIN LeBLANC

# TELECOMMUNICATION MONOPOLES

**The Telecommunication Monopoles (Slip Fit or Flanged) have a multitude of advantages; an aesthetically pleasing appearance, site assembled and suit applications up to 60m.**

## **Application**

- For microwave solid and grid antenna applications up to 1.2m (4') diameters, depending on the heights and the environmental loading conditions.
- For GSM cellular radio.
- For supporting UHF, VHF, Yagi and reflector type antennas.
- Various other antenna types and sizes, and loading conditions can be accommodated utilizing the suitable section (check with ABL Engineering department for application).



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## Construction Features

### Features:

- The Slip-fit or Flanged Monopole are aesthetically good looking structures, with small footprint, made of tubular modules assembled together by a bolted flanged connection.
- The modules are made of circular tubular poles.
- A ladder can be mounted either inside or outside the pole for climbing.
- 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 S 3101 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 the 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 monopoles are supplied completely with shafts, platforms, ladders, rest platforms, and anchor bolts as required. The following items are supplied as specified:

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





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