



Model: CST1500; Communications Square Tower

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| Structure type | Self-supporting square lattice bolted construction |
| Heights range | 12m to 50m |
| Profile | Top 12m parallel sided, 1500mm wide, and then tapering to 5300mm at base for 50m height |
| Members type | Rolled Steel Angle sections (RSA) |
| Finish | Hot dip galvanised with 85 microns minimum average coating |
| Usage | Civil & Military Telecommunications |
| Antenna Loading | Up to 2.4m diameter dishes, mobile phone antennae and aerials |
| Climbing facility | Internal central mounted ladder |
| Feeder support facility | Waveguide box in front of ladder |
| Platforms | Internal rest & working platforms |
| Foundations | Reinforced concrete raft to suit all terrain and soil conditions |



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- Tower design to the current British/Eurocode Standards for gusted wind speed of 50m/s
- All material to the current British/Eurocode Standards with yield stress of 275N/mm² for mild steel and 355N/mm² for high yield
- All bolts of grade 8.8 or equivalent supplied with one nut and one spring washer
- The tower structure and ladder will be trial assembled before galvanising to ensure perfect fit
- The tower structure could be equipped with internal ladder, feeder management system and internal rest or working platforms
- After fabrication, marking and trial assembly all steelworks will be hot dip galvanised to current British/Eurocode Standards
- The tower is supplied with foundation grillage, including stubs and setting templates; alternatively the base module can be supplied with base plate and holding down bolts
- The tower is fitted with lightning finial rods and lifting points at the top and earth lugs on the bottom leg members
- Manufacturing quality conforms to BS EN ISO 9001

Optional Items:

- Anti climbing device (ACD) can be fitted to tower
- Feeder gantry from tower base to transmitter building
- Safety climbing device and accessories
- Ground Earth Kit
- Aircraft Warning Light System (AWLS)
- Paint material and/or shop painting

