



## Model: CST1250; Communications & Floodlight Square Tower

Structure type	Self-supporting square lattice bolted construction
Heights range	10m, 15m, 20m, 25m & 30m
Profile	Top 5m parallel sided, 1250mm wide, and then tapering to 3000mm at base for 30m height; the bottom 5m can be supplied parallel sided with face width of 2650mm
Members type	Rolled Steel Angle sections (RSA)
Finish	Hot dip galvanised with 85 microns minimum average coating
Usage	Civil Telecommunications & Lighting
Antenna Loading	Up to 1.8m diameter dishes, mobile phone operators' antennae, aerials and floodlights
Climbing facility	Internal ladder at 45° to tower face
Feeder support facility	Feeder support plates on ladder stringers
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/mm<sup>2</sup> for mild steel and 355N/mm<sup>2</sup> 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 at 5m intervals
- 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

