



Product
Portfolio

SA Tower

Lightweight, self-supporting tower

SA Tower is a self-supporting telecommunication tower, with a superior construction designed to carry heavy antenna loads and to operate in severe weather/climate conditions. The tower is one of the lightest towers available in the market today, which reduces transportation and installation costs, as well as speeds up network deployment. Built on years of engineering experience, it is the right choice for telecom providers who need reliable towers to carry their transmission equipment.

Best-in-Class Weight vs Height

Highly robust and durable, the SA Tower provides best-in-class combination of weight and height, being the lightest top-quality tower for the heights of 80 to 140 metres.

Optimized Design

SA Tower is built from standard size sections. Tower stiffness, twist and sway are calculated according to customer specification in order to ensure the most effective structure design. Per request, Ceragon will provide individual foundation design based on site soil information.

High Quality Construction

The SA-Tower members are mainly angular. Plates are used for member connections and anchoring. All member joints are bolt connections except for the footing plates which are welded to the tower legs. Towers are delivered with foundation anchoring bolts and templates.

Top-quality communication tower

- **Operates in any climate conditions**
Heavy load capacity, robust design, corrosion protection
- **Reduced transportation costs**
Lightweight components, top grade steel
- **Tailored to meet your network requirements**
Custom engineered tower
- **Reduced manpower costs**
Easy to assemble and erect
- **Standards compliant**
Manufactured according to ISO 9001

Technical specifications

Specifications

- 4 legs angular self supporting tower
- Bolted angular members
- Hot dip galvanised for maximum corrosion protection
- Maximum height 140m. Standard heights 6m to 125m.
- Heavy load capacity
- Designed in accordance with EIA/TIA Structural Standards
- Specific design for each site with wind conditions up to 70m/s (250 km/h)
- Full range of accessories available

Technical data

- Main legs, diagonals and plates: EN 10025-2:2004, S355J0
- Ladders, platforms and other members: EN 10025-2:2004, S235JR
- Tower connection bolts: Grade 8.8, DIN 7990 (ISO 898-1)
- Tower nuts: Grade 8, DIN555 (ISO 898-2)
- Tower washers: DIN 7989
- Foundation anchoring bolts, fully threaded: Grade 8.8, DIN976 (ISO 898/1)
- All parts Hot Dip Galvanised: EN1461 / ASTM A123 / ASTM A153

High quality manufacturing

- High tech equipment
- Highly skilled operators
- ISO 9001 quality procedures
- Factory inspection and pre-assembly possible during manufacturing process

Accessories

- Internal climbing ladder with safety cage
- Fall protection system
- Work and rest platforms
- Antenna supports
- Cable ladder
- Lightning rods
- Grounding system
- Obstruction lights/ Coloured band paint (ICAO/FAA)

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