TELECOMMUNICATION

Square Tower DATA SHEET

Product no. Ref. nr. Latest rev. **S 16-30,0M-81** 02.04.01.21 06.12.2019



Series 16

30m Series 16 - Normal

Description:

The Series 16 is designed as a 4-sided steel lattice tower, composed of solid round bars used as legs and bracings.

The tower is prepared for installation of 2 m toppole.

The Series 16 Normal tower can be used for most areas is Denmark (vb=24 m/s, terrain category II).

Specification:

Total theoretical tower weight = 4180 kg Leg distance at tower base = 1540 mm Foundation bolts: 16 x M27

The steel is hot dip galvanized according to DS/EN ISO 1461.

The design of the lattice tower is made according to:
DS/EN 1993-3-1 – Design of steel structures – Towers, masts and chimneys.
DS/EN 1991-1-4 – Actions on structures – Wind actions.

The tower is designed for three operators equal to 15 m^2 wind drag area equally distributed over the top 9 m.

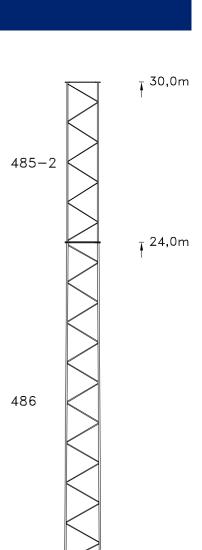
Ladder with söll rail from base to top $-0.15 \text{ m}^2/\text{m}$.

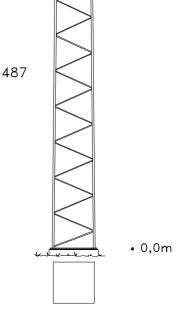
The following feeder load is assumed: 0,20 m²/m for each operator, (total of 0,60 m²/m) distributed on 2 sides.

Foundation types:

Normally a traditional Pier & Pad foundation is designed and casted for a S16 tower.

Carl C. can assist with the design if required, based on site specific geotechnical specifications.





12,0m