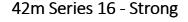
TELECOMMUNICATION

Square Tower DATA SHEET

Product no. Ref. nr. Latest rev. **S 16-42,0M-83-OP** 02.04.01.43 06.12.2019



Series 16



Description:

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

486-2

The tower is prepared for installation of 2 m toppole.

The Series 16 Strong tower can be used for areas along the west cost of Jutland (vb=27 m/s, terrain category I).

₁ 36,0m

42,0m

Specification:

Total theoretical tower weight = 9160 kg Leg distance at tower base = 2300 mm Foundation bolts: 16 x M36

487

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.

₁ 24,0m

The tower is designed for three operators equal to 15 $\,\mathrm{m}^2$ wind drag area equally distributed over the top 9 $\,\mathrm{m}$.

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

488

The following feeder load is assumed:

 $0,20 \text{ m}^2/\text{m}$ for each operator, (total of $0,60 \text{ m}^2/\text{m}$) 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

