FREESTANDING LATTICE TOWERS
DATA SHEET
TRIANGULAR TOWER

Product no.	**S 1 37,50M-00**
Ref. nr.	01.02.01.01.60
Latest rev.	15.10.2018

Series 1

45,0 m

The given tower is designed as an equilateral triangle, with a fully welded steel lattice structure, composed by legs and bracings made of solid round bars.

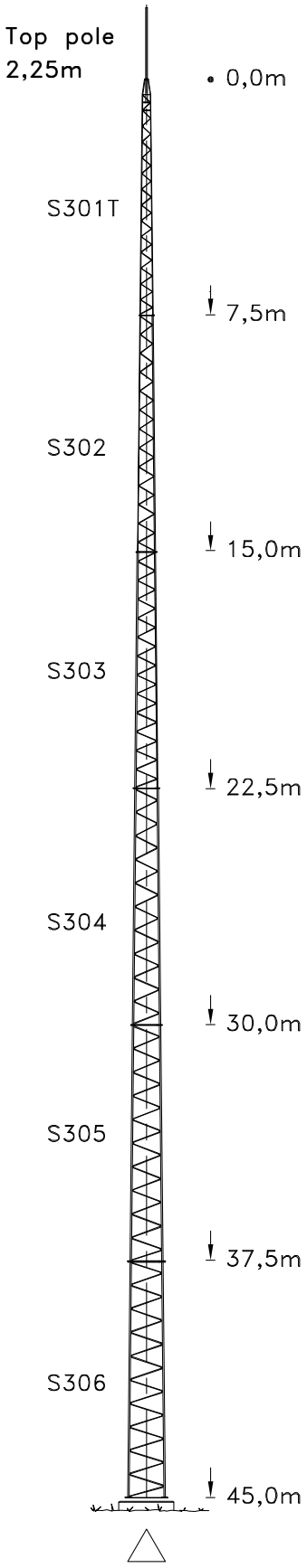
The top pole is mounted with pin steel bolts.

The standard top pole is composed of 3.0 m. circular steel tube ø60,3x3,65 mm. Other types of top poles can be mounted, if necessary.

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

Total theoretical tower weight (± 10%) (excluding the top pole) = 1790 kg
Leg distance at tower base = 1150 mm
Foundation bolts = 15 x M24

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



Tower bearing capacity (A_w)	In most areas up to Northern Scotland	In most areas up to Southern Scotland	In most areas in England, Cornwall and Wales
Open land, flat land without obstacles (TC I)	0.52 m²	0.27 m²	-
Terrain with hedges, agricultural areas (TC II)	0.65 m²	0.40 m²	-
Suburbs, industrial or commercial areas (TC III)	0.85 m²	0.65 m²	0.40 m²

A_w is the maximum total wind drag area incl. shape factor that can be installed with center 1.25 m. above tower top.

Foundation types:
The following foundation solutions can be used with the tower:

Foundation	Block foundation for casting on site	Prefabricated dig-in foundations	Steel foundation for dig-in solutions	Movable foundations, normally for temporary sites	Bedrock anchoring
Type	F306	PF306	-	FF306	FA306