

FREESTANDING LATTICE TOWERS

DATA SHEET

TRIANGULAR TOWER

Product no. S 3 49,50M-00
 Ref. nr. 01.02.01.03.70
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Series 3

49,5 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 $\varnothing 60,3 \times 3,65$ 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 ($\pm 10\%$) (excluding the top pole) = 3707 kg

Leg distance at tower base = 1540 mm

Foundation bolts = 12 x M36

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.

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 frame anchoring
Type	F309	-	-	-	FA309

