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## [Guyed Communication Tower](#)

### **Guyed Communication Tower**

#### **What is it?**

A radio tower receiving support from guy lines can be called a guyed mast. Due to its efficient use of high strength steel in guys, a guyed communication tower is able to provide heights at a much lower material cost. It is commonly guyed in three directions over an anchor radius of typically 2/3 of the tower height. Hence, the guyed communication tower usually comes with a triangular lattice section. Tubular masts are also used, especially in places where icing is very heavy and lattice sections would ice up easily.

#### **Application advantages and restrictions**

In comparison with self supporting tower, a guyed tower is much lighter in weight but it requires larger free space to anchor the guy wires. Whenever large open space is available, guyed communication towers are provided.

Due to its structure, the guyed masts also have some application and construction applications. For instance, there are some limitations on mounting dish antennae on these communication masts, and large anchor block is also required to hold the ropes.

#### **Quality control at ZHAOWEI**

In order to ensure quality, we at ZHAOWEI use modern fabrication technologies to manufacture guyed communication towers, and the multi-item templates, bending dies, jigs and fixtures can be reused in case of repeat orders. We also strive to perfectly complete each small quantity order and proto item production.

The first piece of each different type of template is duly inspected by our specialized Quality Inspectors, thus ensuring accurate and quality manufacturing. The quality of our communication tower is controlled through sample check during process, and then 100% quality inspection before leaving factory.

Thus, we are confident that all our radio towers are qualified, and users can feel secure in purchasing.

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