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## [Self Supporting Communication Tower](#)

### **Self Supporting Communication Tower**

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

Self supporting communication tower are tall structures used all over the world for two way communication applications. They function to support antennas for telecommunications, broadcasting and television. A self supporting tower is typically coming with pre-designed accessories like platforms, ladders, antenna mounts, lighting accessories and safety climbing devices, and more. It has similar structures to transmission towers and wind turbine towers.

Self supporting communication tower are based on either ground or building, and they are commonly designed in cantilever trusses structure so as to carry the wind and seismic loads. A self supporting tower requires less base area and is suitable for being constructed in many situations. Hence, most of the radio masts are self supporting communication tower.

#### **Materials**

According to the materials, there are different types of radio towers, including reinforced concrete, fiberglass, wood and steel communication towers.

#### **Construction forms**

A steel tower can be constructed in a great number of ways.

(1) In terms of economy of materials, steel lattice tower achieves the most efficient use of material. As compared with other forms of freestanding radio mast, steel latticed self supporting communication tower has advantages that it has great strength, light weight, and low wind resistance as its open lattice avoids presenting the full width of structure to the wind.

(2) Classifying by the cross section of the tower, the self supporting tower can be categorized into square angular tower, tri-angular tower and monopole tower.

#### **Customization**

As a customer-oriented self supporting communication tower manufacturer and supplier in China, ZHAOWEI is able to supply radio masts in heights conforming to your specifications.

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

In order to ensure quality, we at ZHAOWEI use modern fabrication technologies to manufacture 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 self supporting 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.

## **FEED BACK FORM**

E-mail:

Message:

Product Name:

Your Name:

Company:

FAX / TEL:

MSN/SKYPE

Address:

