

Steel Distribution Poles

Utilities

A New Choice

As a direct substitute for wood, galvanized steel distribution poles are designed to carry conductors and equipment for electrical distribution, light duty transmission, and telephone, cable, and other telecommunications facilities. Galvanized steel distribution poles withstand atmospheric and environmental rigors much better than wood.

Corrosion Protection

Zinc protects steel from corrosion. The reason for the extensive use of galvanizing is the two-fold nature of the coating. As a barrier coating, it provides a tough, metallurgically bonded zinc coating which completely covers the steel surface (inside and out) and seals the steel from the corrosive action of the environment. Additionally, the sacrificial action of the zinc protects the steel even where damage or minor discontinuity occurs in the coating.

Financial Considerations

The initial price of a galvanized steel pole is comparable to wood. Additionally, a galvanized steel pole's life expectancy is significantly longer and has a much lower life-cycle cost.

Environmental

Galvanized steel poles are the answer to EPA regulations and deformation issues. Not only is the zinc coating environmentally friendly, it is virtually 100% recyclable. In addition, galvanized steel poles can be salvaged and recycled after they have outlived their design life.

Flexibility

Galvanized steel poles can be customized for embedded or anchor base installations, which will expand application possibilities. Galvanized steel poles can be fabricated to support larger and heavier loadings with longer spans, as well as being capable of handling greater height requirements.

Safety

The steel structures do not require a full-length copper grounding wire. They are already self-conducting for grounding purposes. As a result, no installation of a ground wire is required.

Weight

Weighing approximately 60% less than wood structures, galvanized steel poles are easier and less expensive to handle and install.

Maintenance

After installing galvanized steel poles, hardware will never need to be re-tightened due to pole shrinkage. Steel retains its shape and strength and is not susceptible to damage by woodpeckers, insects, rot, or fire.

