On location

Transmission and Distribution Poles

Shakespeare

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Location: Newberry, South Carolina factory (left), and Newberry Electric Cooperative (right)

Welcome to Shakespeare Composite Structures On Location! **This booklet tells the story of the composite Tuff-Pole® in pictures. We gathered images from installations around the world to illustrate the benefits of our tough fiberglass reinforced composite utility poles.**

Shakespeare's Composite Tuff-Poles® alone and in X-frame configuration in the company's Newberry, South Carolina, utility pole testing area. The poles were developed and are manufactured here.

Load them up!

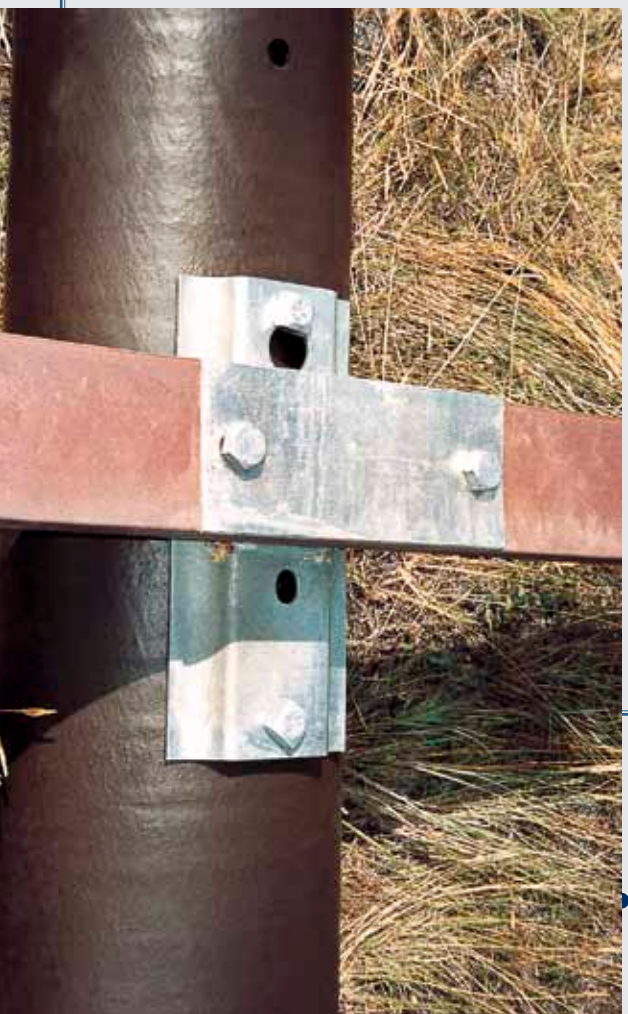
A 45-foot composite distribution pole loaded up with composite cross arms. Cut Bank, Montana

Birds and insects can greatly shorten the life of a wooden pole. What time and weather don't do to wood, nature has other ways of accomplishing. Woodpeckers, for example.

A Shakespeare Composite Structures Composite Tuff-Pole® isn't a tasty morsel for any insect, and woodpeckers won't drill it.

Location: New Mexico (right),

California (below and below right)



Location: The nearest landfill? These pole samples collected by a major electric utility show what harsh weather, insects, and birds do to wooden utility poles.

Tuff-Poles® store, transport, and erect just like wood poles. Use nylon webbing in lifting devices, and use carbide tipped drill bits for drilling. Standard bits work fine if you're field drilling only a few holes.

Location: California, New York, New Mexico, South Carolina, Pennsylvania

Climbing steps will support in excess of 750 pounds.

Location: Hawaii (below and right)

Location: Central California

Location: Montana

Above, a small 'copter brings Shakespeare composite poles to a site in the mountains of Montana.

Location: Shetland Islands, North Sea, Scotland. The winds are so strong and so constant, the windmills harness its power to generate electricity.

Location: Nebraska

Location: Alaska, above the Arctic Circle

Location: Alaska. When this 30 feet of snow and ice melts, the Class 3 wood pole underneath is one of many scheduled to be replaced by a Shakespeare Composite Structures Tuff-Pole®.

Getting poles to your site can be quite a feat in some terrain. Our Tuff-Poles® are much lighter than conventional wood poles, requiring less lifting power - a small 'copter can do the job nicely. At right, installing Shakespeare Composite Structures Class 3 poles in Alaskan terrain by helicopter.

Location: Alaska

Location: Kissimmee, Florida

Above and right: Beverly Hills, California

In the Back Yard...

Sometimes the most difficult place to get poles to isn't the distant mountaintop unserved by the most rudimentary road, but your suburban customers' own back yards. Sure they're reachable, but by what means that your customer won't find intolerable? The heavy equipment for transporting, lifting, and setting ordinary poles just isn't welcome on the lawn.

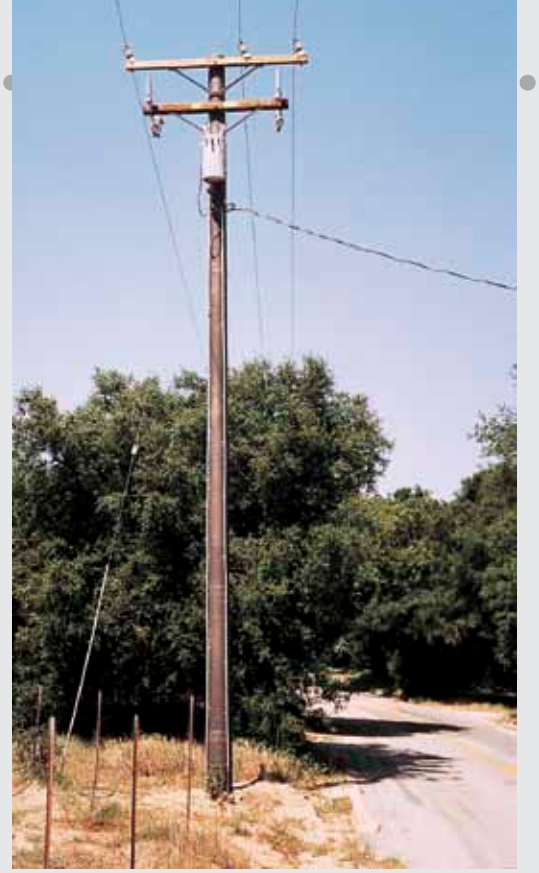
Location: Columbia, South Carolina. Shakespeare Composite Structures Composite Tuff-Pole® makes it easy to transport a pole to a garden site, where the good-looking poles will be as welcome as the light they bring. Your heavy equipment and extra manpower are saved for other jobs.

Composite Tuff-Poles® come in a palette of standard and premium colors.

Location: Maryland (below), South Carolina (right)

Location: Maryland

Location:
Central Montana

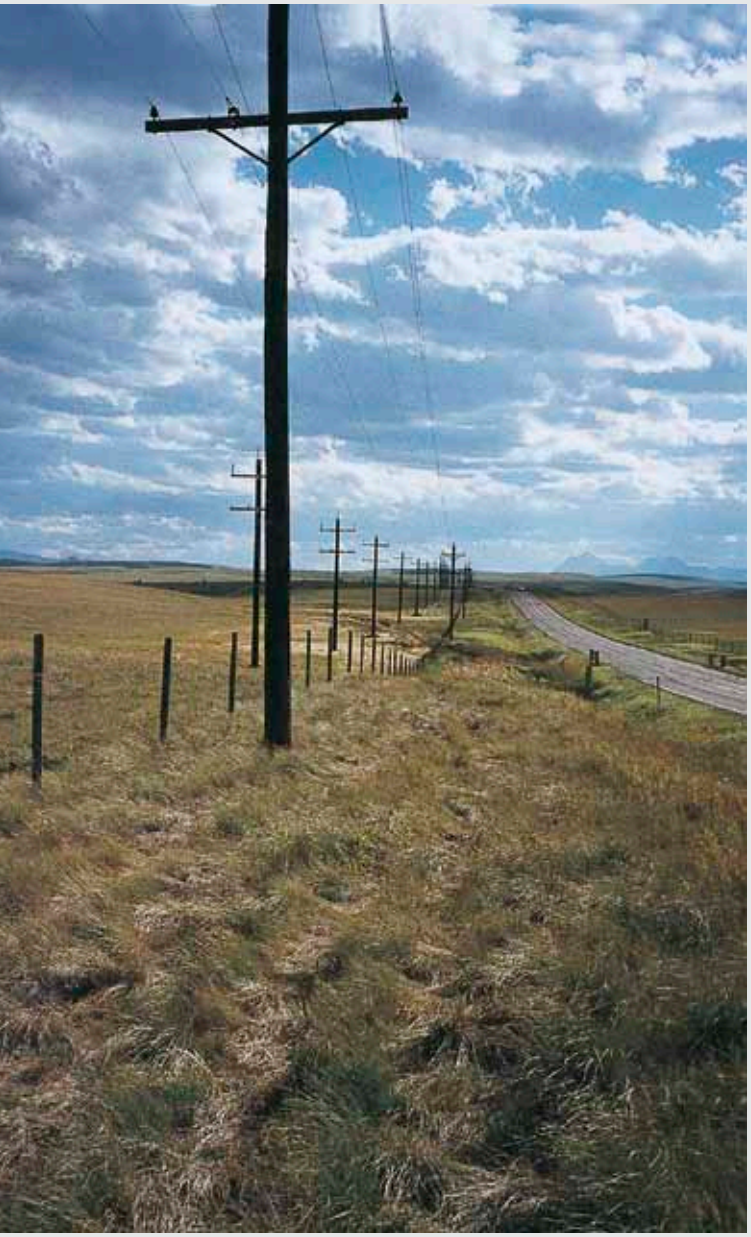


Location: California (left), Hawaii (below left).
A joint use pole in California, (bottom right)

Up Close in Montana

Location:
Montana

Location:
Shetland Islands, in the North Sea (bottom right)



Location: Anywhere!

And So Forth...

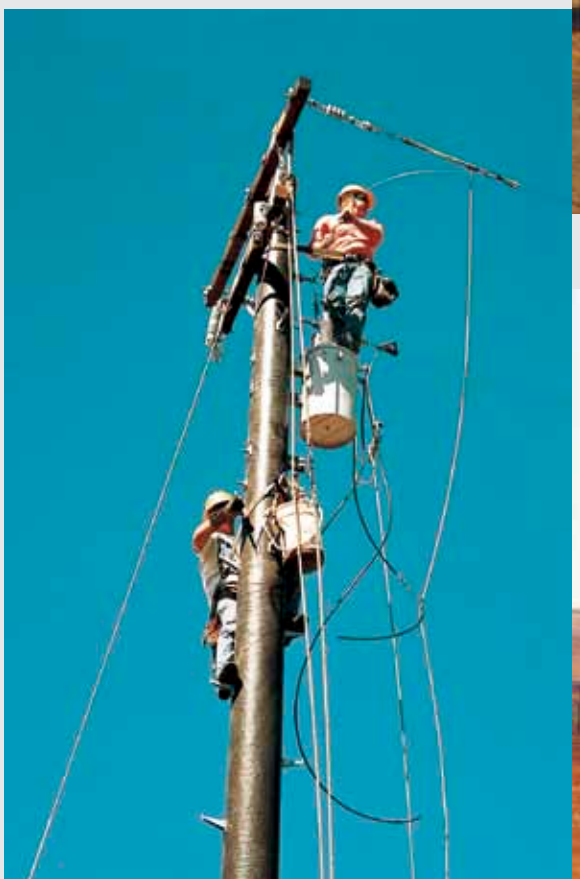
Location: Tampa, Florida (left and below). Shakespeare Composite Structures Tuff-Poles® have been used for home and dock pilings.

Location: Charlotte, North Carolina. Shakespeare Composite Structures poles make excellent supports in substations.

Ask for information about our composite buss and switch supports.

Location: Northern California, an area "infested" with woodpeckers.

Location: Montana, far from the nearest road (above)



Location: Central California (right)

Location: Central Montana

Setting a pole

Crash!

Location: Roadsides everywhere. Shakespeare Composite Structures new Energy Absorbing Composite Tuff-Poles take the hit during vehicle impact. They greatly reduce "ridedown" G-forces during a crash, to help reduce occupant injury. The poles are shown below in full-scale crash tests.

Location: Central Montana

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