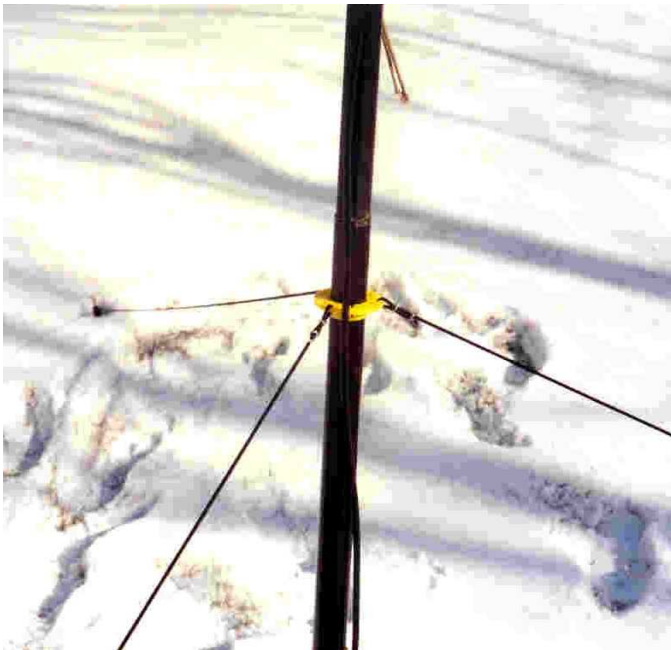


Black Widow 20 Foot Fishing Pole Guy System

The Black Widow Vertical Antenna can be used with a 20 foot collapsible pole to support it or without a pole. If you use a pole, it's really nice to have a guy system to support the pole should the wind pick up. I tried many guy systems to support the pole, but only one really works in high wind.

You'll need to purchase around twelve feet of 1/8" bungee cord and twelve 1/8" bungee cord clamps. You'll also need to find a one of those plastic inserts

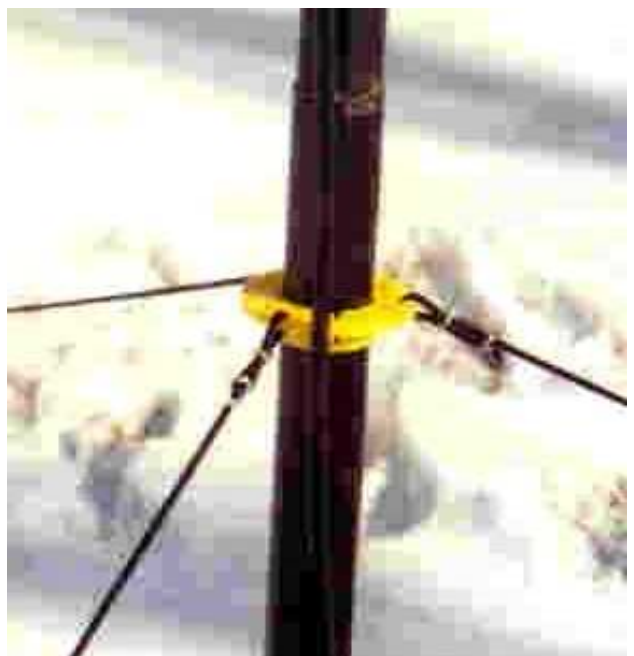


electricians use as insulators to run wire through metal studs in walls. The picture to the left shows a yellow insulator utilized as part of a pole guy support assembly. I first drill three equally spaced holes in the yellow skirt of the insulator. I then attach a four foot piece of 1/8" bungee cord through each hole. On the other end of the cord I form a small loop and crimp using two bungee cord clamps. Then just slip the insulator over the pole until snug.

The picture to the right shows the yellow insulator with three bungee cords attached to it. The insulator is a solid piece of plastic as the "slot" you see in the front is a piece of coax running down from the coil over the guy insulator.

You can purchase most of the necessary parts for this guy system from Reef Scuba.com. The yellow insulator I bought at Lowe's or Home Depot.

<http://www.reefscuba.com/index.htm>





On the bottom of the pole I use a $\frac{3}{4}$ " pvc pipe cut to 20" and then slip a 3" piece of black pipe insulation over the pvc pipe. The picture to the left shows this setup. The pole simply slips over the $\frac{3}{4}$ " PVC pipe onto the pipe insulation to keep the threads clean. This makes a big difference as your pole stays off the ground and clean.

To attach the pole to the ground, I buy a bag of those rain gutter aluminum nails and use them as a spike to secure the loop to the ground. You must stretch out the bungee cord until tight on each of the three legs. This will give you a very nice and secure support for your 20' fishing pole.

I once had a ham email me that his BW Antenna had survived a Nor'easter while they were out on Long Island Sound , NY. The group had setup to activate a lighthouse and were caught in a severe storm. It even folded over their tower, but the BW Antenna took it all using the above support assembly!