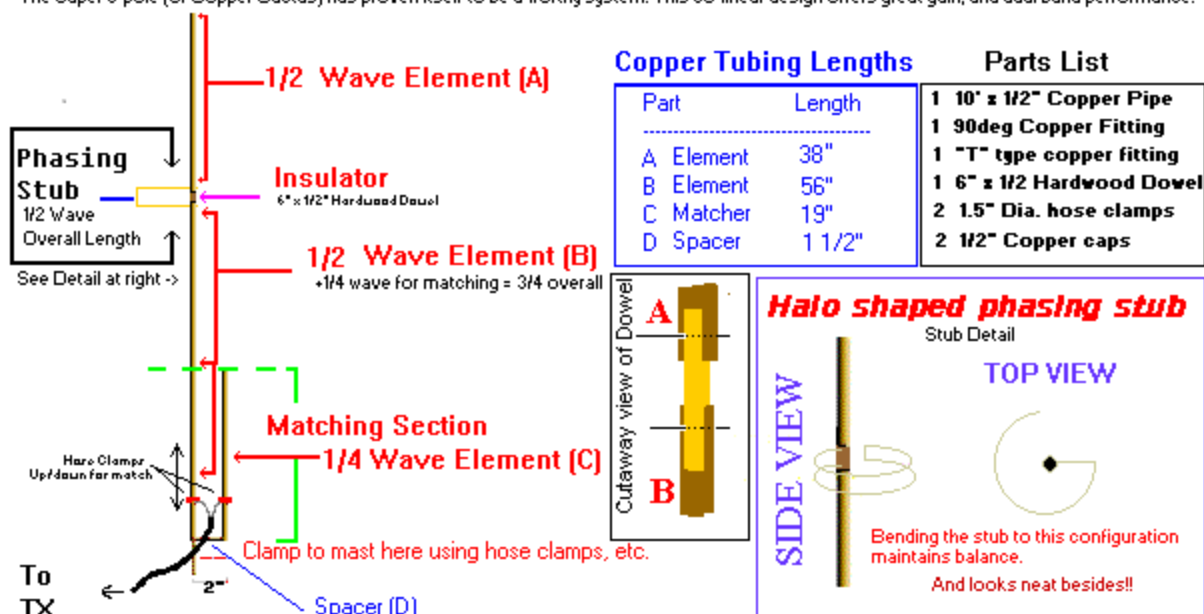


The Super J-pole (or Copper Cactus) has proven itself to be a worthy system. This co-linear design offers great gain, and dual band performance.



The Super Jpole Co-Linear 1/2 Wave Antenna

Cut the pipe into the lengths shown in the table. Using solder (with flux), join pieces B, C and D.

Taking the shape of a "J". See to it that C and B line up and are straight and true.

Careful not to burn the shack down with the torch!

The small scrap of pipe can be soldered into the open end of the "T" fitting and used as a mount.

Wrap the dowel with a twist or two of electricians tape to snug the fit, and slide the dowel into B as shown.

Then, slide A down over the remainder of the dowel. Space A and B 1" apart on the dowel.

Drill a small hole ALL THE WAY thru the pipe and dowel about 1/4" from the end of the copper as shown.

Cut 39" of 14 gauge copper wire, bare 1/2" on each end. Shape wire as shown using 2" spacing.

Insert the ends of the wire stub into the drilled holes and solder. These will also act as lock for the elements.

Solder the two Caps on the open ends to keep water out. Attach the two hose clamps approx. 2" up from bottom.

Clamp the bare ends of the coax to the elements with these clamps. To tune, slide feed up and down for match!