

Yagi Directional Antenna Figure 1

This may be built as shown or with a 3/4" PVC pipe and connectors for a sturdier version.

Cut 1/2" Schedule 40 PVC water pipe at 11-1/2" and 7". Depending on the TEE and crosses connectors it may have to be trimmed by a 1/2". I found a 45 degree PVC coupler and about 12" of pipe makes for a nice handle.

Materials Required:

- 5 feet 1/2" Schedule 40 PVC water pipe
- 1 PVC TEE connector for 1/2" water pipe
- 2 PVC Crosses connector for 1/2" water pipe
- 1 PVC 45 degree connector for 1/2" water pipe
- 6 Stainless steel worm drive clamps (11/16 to 1-1/2")
- 1 used 1" wide steel tape measure
- 1 roll electrical tape
- 1 piece approx 3-foot long of RG58 with connector to fit your radio
- 1 piece of insulated 12-18 awg wire solid or stranded wire 5 inches



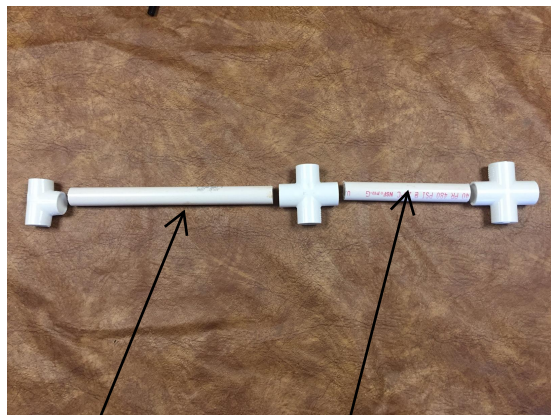
Supplies Photo 1

Supplies shown in photo 1 are sufficient to build two directional finding antennas

The hack saw was used to cut the PVC pipe while the tin snips cut the measuring tape. The rubber mallet was used to fit the PVC pipe into the connectors after the ends were filed. The file also provided a clean spot on the tape measure for soldering. Tape was for the ends of the cut tape measure.



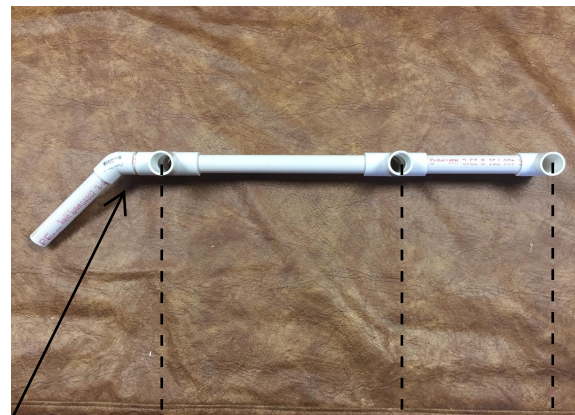
Tools Photo 2



11-1/2 inches

7 inches

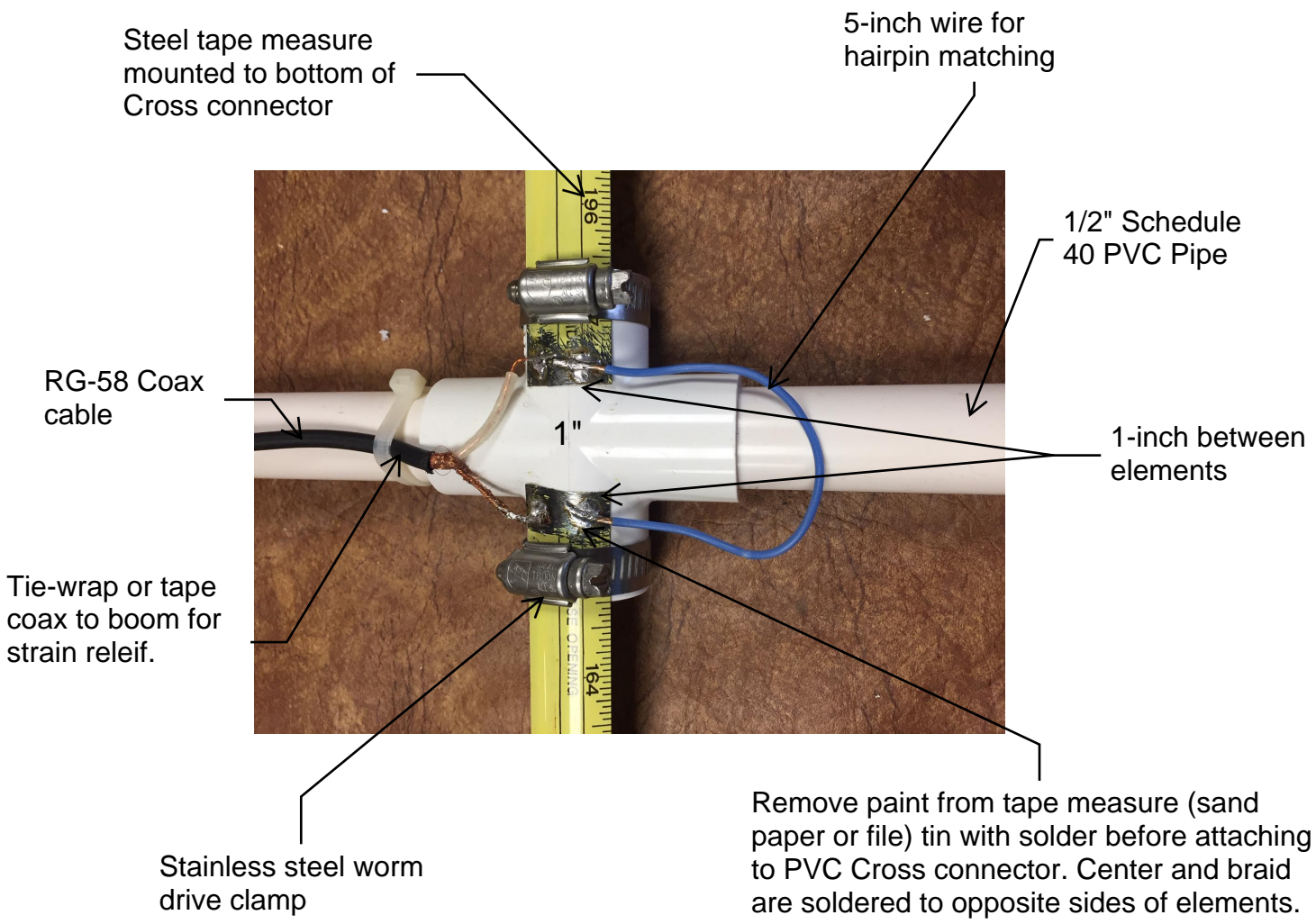
45 degree connector for handle



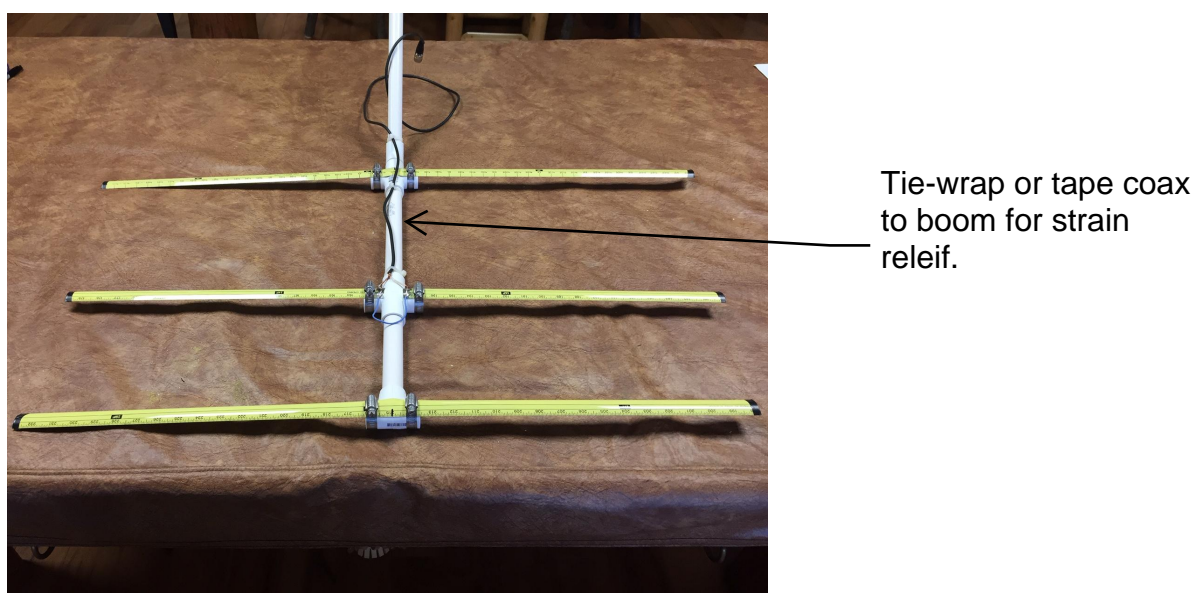
12-1/2
Inches

8
Inches

Cut Pipe and Connectors Photo 3



Driven Element Details Photo 4



Completed Antenna Photo 5