

GUIDE TO CREATING A TELESCOPING POLE

(Also refer to text)



Drill 3 holes in top of wider pole



Use threader to thread holes



Start in 3 thumb screws



Drive wider pipe into ground (better to use a 2 x 4 between hammer and pipe)



Make sure pipe is plumb



Drop in narrower pipe



Narrow pipe should protrude a few inches



Screw flange on tight



Attach nest box



Raise pole by loosening one set screw and raising one arm length at a time



Voila!

When finished erecting, drill a 1/4" hole through the area where both pipes meet, insert a 3/16" bolt and fasten with washer and nut.

* Note: the pipes in these photos are 1.5" and 1" pipes. It is recommended that you use 2" and 1.5" diameter pipes for most applications.

** Always exercise caution and appropriate safety measures when lifting, using tools or mounting ladders.

DIRECTIONS FOR CREATING A TELESCOPING METAL POLE

1. Buy: a 6' length of 2" diameter galvanized pipe with thread on one end; a 5' length of 1.5" galvanized pipe with thread on one end (making sure that the latter can slide into the former); a 1.5" diameter pipe flange; a ¼ inch bit, a 3/16" x 3" hex bolt, washer and nut assembly, a drill bit and threader made for each other, and 3 thumb screws ¾ to 1" in length that will match the threads created by the threader. (Any hardware clerk can pick these out for you in a couple of minutes.)
2. As in the photograph, drill 3 holes near the top of the wider pipe; thread the holes, and start in your thumb screws
3. At installation location, drive the wider pipe 18" or so into the ground using a sledge hammer. (Unlike the photo, use a piece of 2 x 4 on top of the pipe while hammering to keep it from being bent.)
4. Mark the thinner pipe at least 4" from the unthreaded end and drop the thinner pipe into the wider pipe, keeping the threaded end skyward.. It should protrude a few inches.
5. Thread on the pipe flange tight. This is important. If the pipe flange is not very tight, the wind could blow the box and flange around in a wind.
6. Mount your box.
7. Tighten all set screws, then loosen one slightly so the thinner pipe can be raised.
8. Keeping one hand on the set screw, and one hand on the thinner pipe, raise the thinner pipe up as high as you can reach, then tighten the set screw. Repeat until the mark you made near the bottom of the thinner pipe is exposed.
9. Tighten all set screws very tight.
10. Now, drill a ¼" hole all the way through both pipes about 2 or 3 inches down from the top of the wider pipe. Slide the 3/16" bolt all the way through, and fasten washer and nut assembly tight. This keeps the box up even if the set screws loosen in the wind.
11. When you want to lower the box, first **MAKE SURE THAT THE SET SCREWS ARE VERY TIGHT**. Then removed the safety bolt, and using the same process as raising it, grip the upper pipe in one hand while loosening one set screw until you can slide the box downward. Continue process until upper pipe is resting at bottom.

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