

CONCRETE OPTIONS



- 1) Pouring a slab has some advantages vs. pouring post holes.
- 2) A Slab will eliminate having to pull weeds and weed eat around the windmill.
- 3) Tower must be built first to be used as a template in order to get the steel rods exact because the 4' steel rebar will go into the ground on an angle the same degree as the Tower Legs.
- 4) Erect the tower only, using 6 x 6 blocks or bricks as a temporary support to keep the bottom base of the tower off the ground and to allow height for the concrete.
- 5) Level the Cross Members on all 4 sides as good as possible.
- 6) Drive the Steel rods through the foot clamps then tighten all 4 bolts & nuts on each leg. Double check the level.
- 7) Remove the 6 x 6 support blocks. All the weight of the Windmill will be supported by the 4 – 4' solid steel rebar permanently.
- 8) You will want to pour the concrete at least 4 to 6 inches thick.
- 9) Form around the base of the Windmill at least 6 to 8 inches larger than the base of the Windmill with 2 x 4 or 2 x 6s. Keep the top of the form at least 1 inch below the bottom of the tower base to allow rain water to shed off the slab.
- 10) Pour the concrete, level and finish.

- 11) Allow the concrete to set at least 1 day, then with the aid of a Man lift, grease the Compressor Pivot tube and UHMW blocks then insert the Compress into the tower top.
- 12) Attached the Double check valve if you have the Single Compressor (*Double Compressors only have a Galvanized & Brass fitting*) as tight as possible with a pipe wrench on the Galvanized fitting. 1 person holding the pipe wrench and the other turn the compressor for the best leverage and tightening possible.
- 13) Apply all-purpose grease to the outside of the brass barb and insert the Air Hose onto the barb. Hold the hose stationary and have the other person rotate the compressor 360 degrees several times till the hose will allow the compressor to rotate inside the hose without kinking the hose.
- 14) Attach the tail using the 4 nuts on the back of the compressor.
- 15) Install the wheel by putting all purpose grease on the crankshaft. Slide the wheel on the shaft, slide the Washer on the shaft and insert the retainer pin. Now align the Flat area of the shaft with the 2 Set Screws on the wheel hub. With the Allen wrench supplied tighten the Set Screws. Very important to tighten the Set Screws as tight as possible. We take an 8 inch piece of pipe and tighten so hard it almost breaks the Allen wrench.



CONCRETE OPTION # 2

- 1) A Windmill can also be anchored by Drilling Post holes at each corner.**
- 2) Use the tower as a Template and Drill a 6 to 8 inch diameter post hole about 36 to 40 inches deep at each corner. Keep in mind the Steel rods go in on an angle so allow for the wider base below the ground level. This will give a temporary hold of 8 to 12 inches until concrete cures.**
- 3) Erect the tower ONLY and keep it off the ground at least 1 inch using a brick or 2 x 4 flat at each corner to prevent the metal tower from ever touching the ground. Ground or Concrete will eat away at any Galvanized Metal.**
- 4) Level the tower using a level on all 4 sides as good as possible. Drive the steel rods in to within 1 inch of the top of the Foot Clamps then tighten all 4 bolts on all 4 legs. Tie guide ropes to all 4 corners from the upper tower to anchors in the ground at about a 45 degree angle until the concrete is set.**
- 5) Follow the previous instructions from # 10 to 15. If you have any questions feel free to call Joe (440) 236 – 3278.**