

## PERMANENT TARGET GROUND TUBE INSTALLATION

### Parts (included per target location)

- Installation Tube

### Installation tools and extras needed

- One Target Pole & Locking Collar assembled from Step 1 on page 2.
- Duct or packing tape
- 60 pounds of concrete per target
- Post hole digger or auger
- Torpedo level or carpenter's level



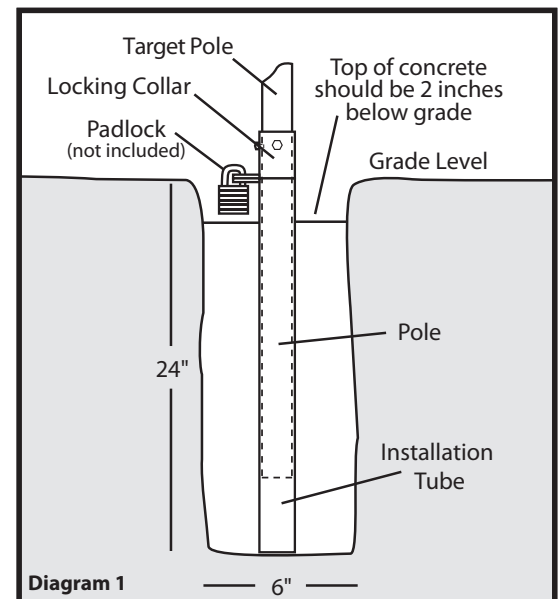
**WARNING:** Before digging always contact your local utilities and property maintenance to locate any underground lines. (Water, Gas, Electrical, Sprinkler, etc...)

### SETTING THE INSTALLATION TUBE (Diagram 1)

**Step 1** Dig a hole that is at least 6 inches in diameter and 24 inches deep. Most manual post hole diggers create a 6 inch diameter hole, but if you are installing an entire course it is maybe worth the money to rent a two man auger with a 6 inch bit.

**Step 2** Assemble one pole and locking collar according to Step 1 of Target Assembly (see other page). Tape the bottom of the installation tube with duct tape or packing tape to prevent any concrete getting into the tube during installation. Place the installation tube in the hole with the tab pointing towards the tee or line of play, (this will assure that the number on the target faces the tee). The tab should be at, or slightly below grade level to keep it away from lawn mower blades and to establish the correct height for the target. Slide the target pole with locking collar attached into the installation tube. This will keep cement out of the installation tube while pouring. Just one pole with locking collar can be used to set up the installation tubes for your entire course.

**Step 1** Pour the concrete into the hole around the installation tube to no higher than two inches below grade level. This will allow room for a padlock (not included). Use a level to plumb the pole on at least two sides 90° from each other. A torpedo level works best. After leveling the pole, make sure the tab still points toward the tee or line of play, clean off any concrete on the locking tab and then carefully remove the pole from the tube.



Still have questions? Give us a call.

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**Parts (included per target)**

- One Pole
- One Target Top (w/chains)
- One Basket
- One Locking Collar

**Hardware (included per target)**

- Three 5/16" x 2 3/4" hex head bolts
- Two 1/4" x 3/4" one-way screws
- One 1/4" x 3/8" hex head bolt
- Three 5/16" lock nuts
- One 1/4" lock nut
- One 1/4" washer

**Assembly Tools and Extras (not included)**

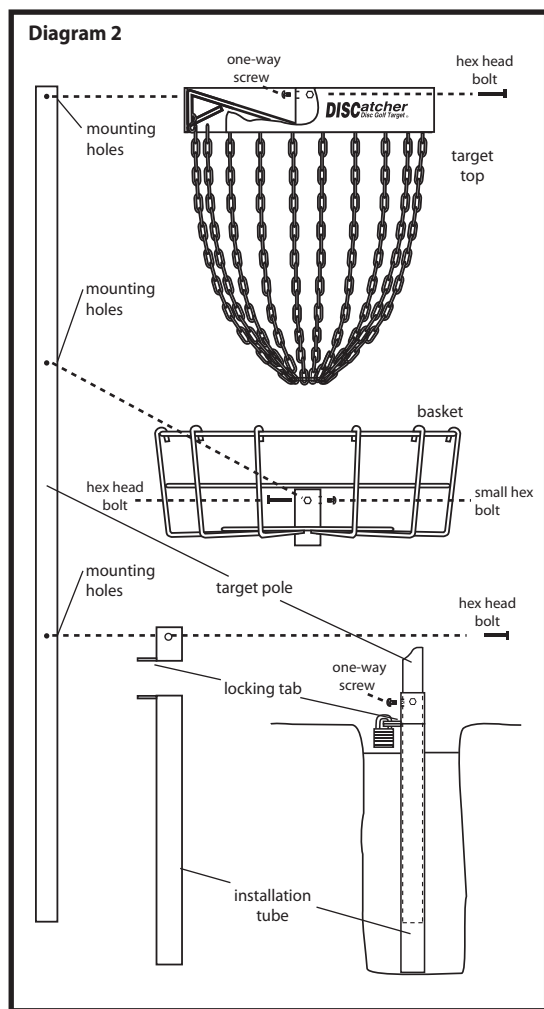
- One padlock per target
- Two 1/2" and one 7/16" wrenches or sockets
- Flat head screwdriver (short)



**WAIT AT LEAST 24 HOURS AFTER POURING CONCRETE TO INSTALL ASSEMBLED TARGETS.**

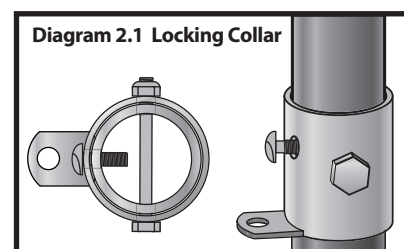
You must be patient enough to let the concrete set thoroughly before putting the target in. This usually takes at least one day.

**ASSEMBLING THE DISCatcher® TARGET (Diagram 2)**

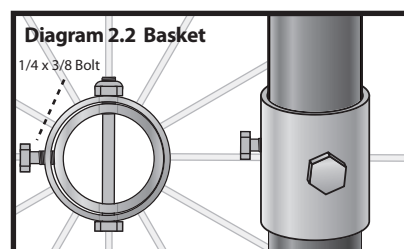


The easiest way to assemble the DISCatcher® Target is with the pole on the ground (the top of the main pole has mounting holes drilled within an inch of the end).

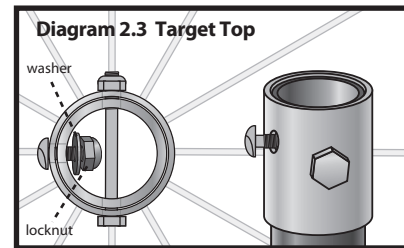
**Step 1 LOCKING COLLAR** - From the bottom end of the pole the locking collar should slide onto and line up with the bottom 3 mounting holes, with the tab portion at the bottom of the collar. Insert and tighten the 1/4" x 3/4" one-way screw into the threaded hole above the tab. Insert the 5/16" x 2 3/4" hex bolt through the collar and pole and tighten locknut.



**Step 2 BASKET** - From the top of the pole slide the basket down and line up the 2 holes for the hex bolt, with the threaded hole on the same side of the pole as the locking collar tab. Insert 5/16" x 2 3/4" hex bolt and tighten locknut. Apply a small amount of threadlock to the 1/4" x 3/8" hex bolt and insert into the threaded hole on the basket and tighten against the pole.



**Step 3 TARGET TOP** - Hold up target top to make sure chains hang freely and are not tangled. While holding up target top tilt slightly and slide the two rings at bottom of chains onto top of pole. Be careful not to let any chains cross between the top of the pole and the hole in the center of the target top, as you put the target top onto the pole. Line up the three holes on the target top with the top 3 holes on the pole. Insert and tighten 1/4" x 3/4" one-way screw into threaded hole on front of target top lining up with tab of locking collar. Start the 1/4" washer and locknut onto back of one-way screw. (Do not tighten) Insert 5/16" x 2 3/4" hex bolt through target top and pole tighten locknut. At this point tighten the 1/4" locknut onto one-way screw.



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