

# One Man Digger

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## Safety Information Sheet



### SAFETY

**THIS SYMBOL MEANS WARNING OR CAUTION. PERSONAL INJURY AND/OR PROPERTY DAMAGE MAY OCCUR UNLESS INSTRUCTIONS ARE FOLLOWED CAREFULLY.**

**NEVER** try to start the IM unless the handle bars are lowered and locked in the starting position. (See starting)

**NEVER** modify or bypass the controls of the machine. To do so could create a hazard to the operator or bystanders.

**NEVER** allow bystanders near the hole or earth drill while it is in use.

**WARNING:** Earth drills are useful tools, but they can be hazardous both to the operator and bystanders.

**ALWAYS** stop the machine if another person is in the area that could interfere with the safe operation of the machine.

**ALWAYS** be sure that the area you are going to drill in is clear of potential hazards, such as, pipes, rocks, wire, boards and any other materials that could possibly entangle itself around the drill bit or cause unstable footing, before using the earth drill.

**ALWAYS** know the location of all buried utility lines. The utility companies will locate and mark the lines for you.

**WARNING:** A cut electrical cable or gas line can result in injury or fatality.

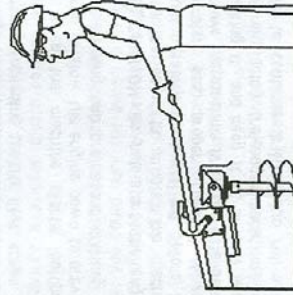
**ALWAYS** use extreme caution while operating earth drill on uneven terrain. Be sure of your footing and your physical capabilities.



### HANDLE BAR POSITIONS

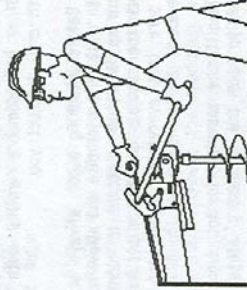
There are three different handle bar positions that the operator of the IM earth drill can utilize. Each one has its specific purposes, and each one plays its part in promoting both convenience and versatility to the operator while at the job site.

**POSITION 1:** This first position (below) is the standard digging position. Most digging operations will be done in this position, allowing the operator to take advantage of the IM's design, which greatly reduces both torque and kick-back to the operator.

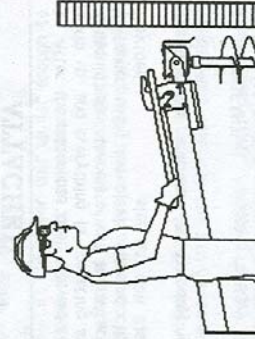


**POSITION 2:** This is the **STARTING POSITION.** The IM should not be started unless the handle bars are in this position when the handle bars are in this position, both the starter rope and remote choke are exposed for use. There is also a stop that engages the auger and makes the machine more stable for starting while in this position.

It is also easier for the operator to manually move the IM, with auger attached, around the job site while in this position.



**POSITION 3:** This is the secondary digging position. This position allows the operator to dig right up against objects like walls, fences, and buildings.





## BASIC OPERATIONS

### STARTING THE IM

1. Follow the procedures outlined in the engine manual supplied with the earth drill, or have someone familiar with the earth drill instruct you.
2. Before attaching auger, always start earth drill at the job site and allow it to warm up. While the machine is running, check the controls and clutch action to be sure that everything is working as intended.

**NOTE:** If the machine is not working properly, take the necessary steps to have it put in working order before putting it to use.

**CAUTION:** Never connect or disconnect the auger while the engine is running.

### STARTING WITH AUGER ATTACHED

1. After the motor has been allowed to warm up, and everything is operating as it should, shut the motor off and attach the auger using the clevis pin and clip provided.
2. Place the machine in the digging location.
3. **IMPORTANT :** Always rotate the handle bars down and lock them into the starting position before starting. This position exposes the the pull starter and

remote choke, and it helps prevent the auger (when attached) from rocking forward.

4. Set the throttle lever to approximately 1/4 open.
5. Following the procedures outlined in the engine manual supplied with the machine, start the engine. If the engine does not start after 3 pulls of the starter rope, disconnect the auger from the machine and determine the cause. When the machine is in operating condition again, follow the procedures listed above before proceeding to the next step.

6. When the machine starts, be prepared to slow the engine down to prevent over rewinding and premature drilling.

**CAUTION:** Do not start the engine with the auger in a hole. The machine could possibly start drilling before the operator has proper control. Always remove the machine from the hole before starting it, and keep it at an idle speed before placing the auger back into the hole to continue drilling.

## DRILLING

1. Rotate the handle bars to the digging position.
2. Advance the throttle approximately half way open. Use caution here as the auger will start to turn and dig at this point.

3. Allow the auger to dig at its own speed, keeping the auger straight in the hole by moving the machine back and forth as needed.

4. Increase or decrease the engine speed until you find a digging speed that you feel comfortable with.

**WARNING:** Hitting a buried object, such as a rock, could cause a sudden side thrust against the operator. Injury could occur if the operator is not prepared to deal with this condition. When drilling in areas filled with obstructions, operate the earth drill at less than full throttle to assure a quicker clutch release when an object is hit.

5. Do not attempt to drill the hole in one pass; you could bury the auger. Drill to a depth of approximately one foot, and lift the auger to spin the dirt off. Be careful not to lift the auger completely out of the hole. Repeat this procedure until you have reached the required depth.

6. Turn the machine off and lift the rest of the dirt out for a clean hole.

**NOTE:** Allow the auger to dig at its own speed. Attempting to force the auger into hard ground and through buried objects could result in the auger becoming locked in the hole.