

Earthquake Auger - Fishtail Earth Auger

An Earthquake Auger is a heavy duty electric powered auger that cuts through soil to remove large amounts of debris, including soil and vegetation. Most Earthquake Augers are equipped with a remote control or automatic command. The operator inserts the electric auger into the earth for a shallow penetration and then forcefully squeezes the auger back out with the use of hydraulic pressure. The auger is then pushed back into the earth to continue its work. Most augers are powered by either gasoline propane, or dual fuel systems.

The entire system consists of: earth auger, throttle, gas lines, and handlebars. The earth auger is a heavy duty steel cylinder that holds a thin steel wire or cable, which is what gives the user the ability to dig through earth. When the wire/cable is pressed, the metal strip inside allows the auger to push through the earth at a greater rate. This increased speed allows the user to dig through more and faster.



The earth auger is powered by one of three types of systems. These are: screw-driven screw drive, line drive, and belt drive. Each system produces slightly different torque and can be used for different applications. The screw-driven screw drive is the most popular system

because of its low level of maintenance and affordable price. These screw-driven augers can handle up to four tons of material and need only one wire to operate.

The next piece of equipment is the handlebars, which allow the operator to precisely control the speed of the auger. They generally have three speeds: slow, medium, and fast. The handlebars have nozzles on the end to apply a slow squeeze to loosen up soil and keep soil from blocking the auger. On the other hand, the belt-drive model has a trigger for slow, medium, and fast speed rock extraction; this trigger can also be used to apply a slow squeezing pressure to loosen ground soil.

Next is the choke, which is a ring or band that holds the rope or cable in place. Most people use choke rings made of rubber to reduce the risk of slip. After all, it is impossible to know where the nearest root is until you are too close to it with the auger in use. A choke ring is located above the handlebars and controls the movement of the auger. To change from the normal running position to the stop position, one just has to remove the choke ring. Earthquake Auger To change from the stop position to the start position, a new choke ring needs to be placed.

Lastly, there is the gas operated (GAS) auger. The gas is supplied to the auger from a hose on the tractor or truck. The gas travels up the shaft or line going to the handlebars. Since there is no independent drive for the auger, the weight of the material to be moved must be supported by the tractor or truck.

The hydraulic plunger or the earth auger bit acts as a powerful air compressor. It pushes the material toward the opening. The air then is compressed in the tank or reservoir as it moves through the shaft going to the handlebars. When the air is released, it causes the crushed stone material to be propelled forward by the earth vibrating with it. With proper setting, the hydraulic plunger can move a large distance without exerting much effort.

To operate the hydraulic plunger, first you need to lower the air tank and then lower and raise the boom while watching the gauge reading. You should be aware of the setting for the air pressure. If you find that the reading has increased, you should reverse the movement of the boom. Once the movement is established, you can begin the operation. Most of the time, it takes you only a few seconds to move the fishtail earth auger bit to the desired location. If the process is complicated, you should consult a professional on how to use the tool.