



The Hydracore Gopher Underground drill is made for mines where a lot of short holes need to be drilled quickly. Like all Hydracore machines this drill is made much simpler than some other machines that can accomplish the same work, which makes it reliable and also reduces maintenance costs. This simplicity does not come at the expense of productivity. Most other drill designers do not strive for this simplicity. It is difficult to achieve, but it is worth it. Through our long experience we have achieved unmatched simplicity and reliability.

Capacity

A size..... 1500 feet (requires a larger winch)
B size..... 900 feet

Drill Head

Motor Displacement..... RPM.....Torque
Maximum..... 410..... 670 ft-lbs.
Minimum..... 1800..... 140 ft-lbs.
Weight..... 350 lbs.

Speed/ Torque is continuously variable between maximum and minimum values. More torque is available in reverse for rod breaking, because the reverse pressure is set at the intermittent pressure of the system of 5000 psi and the maximum pressure in forward is only 2500 psi.

Foot Clamp

Operation..... Gas accumulator closed,
Hydraulic opened
Axial Thrust..... 8,000 lbs.
Capacity..... AO to BO
No. of jaws..... 2
Maximum Rod Size..... 3 3/8"
Weight..... 90 lbs.

Drill Slide and Feed Cylinder

Maximum Pull..... 6,500 lbs. at 2700 psi
Maximum Thrust..... 6,500 lbs. at 2700 psi
Stroke..... 60 1/2"
Length..... 105"

Power Pack

Electric Motor..... 480 V 3-phase 50 HP TEFC
Main Pump 55cc..... GPM at 3500 psi
Feed Pump..... 1/2 GPM at 5000 psi from small outlet
1 1/2 GPM at 500 psi from larger outlet
Hydraulic Tank..... 14.5 Gallons (US)
Cooling..... Water cooled, 1 heat exchanger

Options

20 GPM 1000 psi Water Pump Hydraulic (General T81)
45 GPM 1000 psi Water Pump Hydraulic (Cat 3545)
Wireline Hoist 900 foot Capacity
Wireline Hoist 2000 foot Capacity
Hydraulic Mud Mixer

Weights

Drill Head..... 350 lbs.
Foot Clamp.....80 lbs.
Drill Feed Frame.....373 lbs.
Complete Drill on Base.....4,000 lbs.