



GEOPOWER

Excavator Mounted Geotech Drill

MULTI▶POWER



FEATURES

Mountable on most mid-sized excavators

Multi-purpose geotechnical machine - Auger, diamond core & air rotary

Auto hammer, winch, hydraulic head slide all standard components

Inexpensive alternative to full drill rig



Geopower – Excavator Mounted Geotechnical Drill

DEPTH CAPACITIES:

GEOTECHNICAL AUGER DEPTHS

4-1/2" Solid stem auger	200 ft / 60 m
N 6-5/8" Hollow stem auger	75 ft / 23 m

AIR ROTARY/ODEX DEPTHS

3-1/2" air rotary	660 ft / 200 m
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DIAMONG DRILLING DEPTHS

N/WL	2000 ft / 605 m
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EXCAVATOR

Required machine size	25,000+ lbs.
Power:	30 GPM @ 3000 PSI

TOP DRIVE ROTATION UNIT

Style:	PII - Multi-Purpose Top Drive
Max torque low speed:	2000 lbs /ft
Max torque high speed:	265 lbs / ft
Max RPM low speed:	175 RPM
Max RPM high speed:	875 RPM
Spindle:	Floating w/ NWJ box connection
Transmission:	Hydraulic shift, 2 speed
Gear ratios:	1:1 & 3.46:1
Rotation motor:	Variable displacement piston 80cc
Head slide:	Hydraulic head slide
Water swivel:	High pressure/high speed water swivel
U-joint:	HD U-joint assembly w/ 1-5/8" hex

WATER PUMP (OPTIONAL)

Standard unit:	E0413C FM piston pump
Capacity:	20 GPM @ 700 PSI

AUTO HAMMER

Slug weight:	140 lbs.
Hammer travel distance:	30"
Percussion rate:	0-50 blows per minute
Mounting:	Sliding bracket w/ swing in/out design

MAST AND FEED

Design:	Cylinder and chain feed
Pullback:	15,000 lbs.
Pulldown:	10,600 lbs.
Feed stroke:	150"
Working angle:	45 to 90 degree
Mast dump:	40" Stroke, 21,200 lbs. pull

WINCH

Design:	Rotzler TH1 planetary style w/ fail safe brake
Pull:	2200 lbs.
Capacity:	100 ft x 1/4" cable

CONTROL PANEL

Panel:	Feed, rotate, water pump, SPT hammer control and setup functions
Gauges:	Rotation, feed/holdback & air/water pressure
Safety:	Emergency stop

FOOTCLAMP

Design:	Two hydraulic cylinder & jaw / Bolt-on, removable design
Clamping force:	20,000 lbs.
Max opening:	6-1/4"
Clamping range:	2" - 6-1/4"

MAST HEIGHT

240"

WEIGHT

4500 lbs.

SPECIFICATIONS



Diamond Core



Seismic



Air Rotary



Specialty &
Multi-Purpose

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