



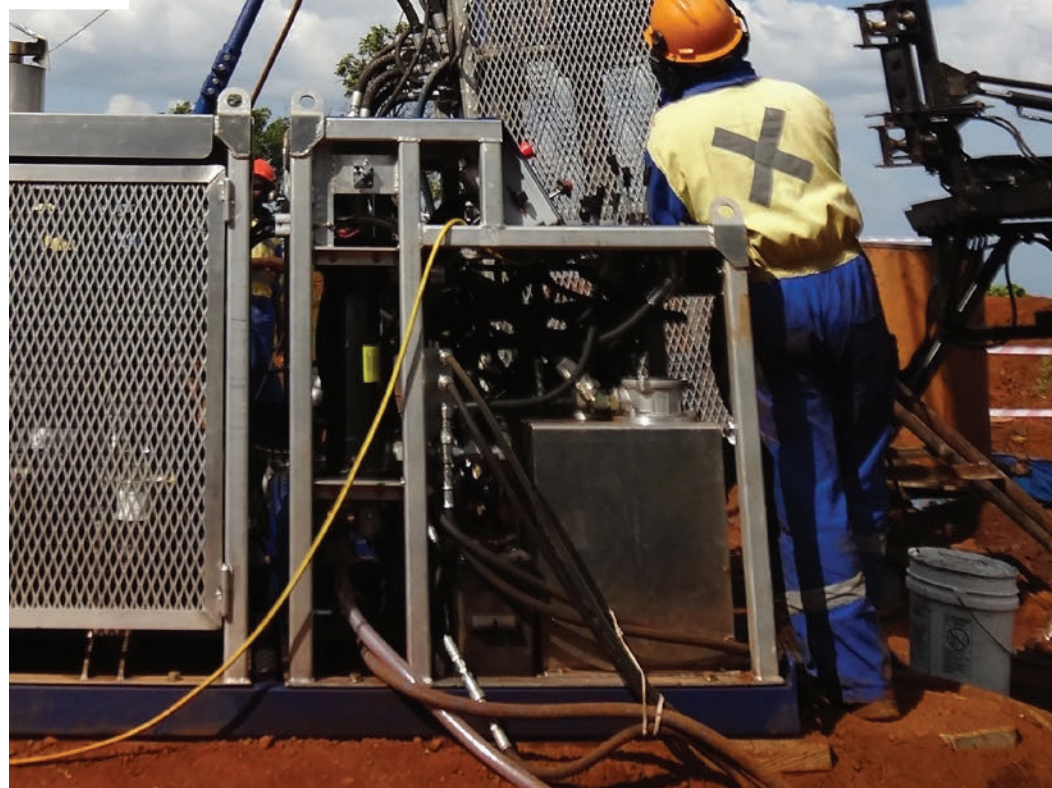
DISCOVERY II
Diamond Core Drill

MULTI▶POWER



FEATURES

- Powerful & Compact
- Modular Design
- Available PWL Chuck
- Available Track Mount



Discovery II – Diamond Core Drill

SPECIFICATIONS

DEPTH CAPACITIES: Based on max pullback & a 25% safety factor

B	5260 ft / 1603 m
N	4215 ft / 1285 m
H	2875 ft / 876 m

PRIME MOVER

Standard unit	Perkins 1104C, 4.4 L, 4 cylinder, turbo charged diesel engine
Power:	130 HP @ 2200 RPM
Optional unit	John Deere 6068, 6.8 L, 6 cylinder, turbo charged diesel engine
Power:	185 HP @ 2400 RPM

ROTATION UNIT

Standard unit	B20 drill head c/w 12HH chuck
Maximum opening:	3-1/2" (H size)
RPM:	1400 RPM
Torque:	2100 ft lbs
Chuck:	26,000 lbs capacity
Hydraulic motor:	Rexroth 160cc variable speed/torque piston motor
Gear ratios:	3.0:1 & 5.4:1
Optional unit	XP drill head w/ Christensen chuck
Maximum opening:	4-5/8" (P size)
RPM:	1400 RPM
Torque:	4560 ft lbs
Chuck:	40,000 lbs capacity
Gear ratios:	6.27:1, 3.12:1, 1.75:1, & 1:1

FOOTCLAMP

Standard unit	12HH hydraulic open/spring closed
Maximum opening:	3-1/2" (H size)
Optional unit	12HH 4-5/8" (P size)

MAST AND FEED

Feed stroke:	72"
Pullback:	29,452 lbs
Pulldown:	15,020 lbs
Drill angle:	45 to 90 degree
Tower:	10 ft or 20 ft rod pull capacity

WATER PUMP

Standard unit	W1122B-CD (435) piston pump
Capacity:	37 GPM @ 1000 PSI

WINCHES

Wireline winch	Hydraulic motor direct drive
Capacity:	3000 ft of 3/16" cable
Auxiliary winch	Rotzler TH1
Capacity:	75 ft of 1/4" cable

HYDRAULIC SYSTEM

Controls:	Fully hydraulic, no electronics
Rod handling:	Synchronized chuck & footclamp w/ additional chuck control
System pressure:	4000 PSI
Filtration:	10 micron
Components:	Sauer Danfoss, Valvol, Rexroth & Parker
Heat exchanger:	Water:oil

INCLUDED COMPONENTS

Mud mixer c/w whip lines
3000 ft of W/L cable
1 set of rod and casing jaws/bushings
55 gallon fuel tank

WEIGHT 8500 LBS

OPTIONS

Tracked carrier
Skid w/ stabilizer cylinders
Level wind winch
Diesel driven supply pump
Enclosed drill shack
Mud tank
French/Spanish labels & manual



Diamond Core



Seismic



Air Rotary



**Specialty &
Multi-Purpose**

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