



# DISCOVERY HD

Track Mounted Diamond Core Drill

**MULTI** ▶ **POWER**





# FEATURES

**1400 Meter N/WL Capacity**

**PWL Chuck & Clamp**

**160 HP Cummins QSB4.5 Power Unit**

**Steel Track Undercarriage**

**Telescoping Tower & Hoist Mast Design**



# DISCOVERY HD - Track Mounted Diamond Core Drill

DEPTH CAPACITIES: Based on max pullback and a 25% safety factor	
B	5260 ft / 1603 m
N	4593 ft / 1400 m
H	2875 ft / 876 m
P	1826 ft / 553 m

PRIME MOVER	
Standard unit	Cummins QSB4.5-P160, 4.5 L, 4-cylinder, turbo charged diesel engine
Power:	160 HP @ 2200 RPM

TRACK PACKAGE	
Model:	Chermack steel undercarriage
Design:	Hyd. driven piston motors, spring brake, 2 speed
Speed (High/Low):	3.39 mph / 2.27 mph
Stabilizers:	(4) Hydraulic leveling cylinders
Remote Control:	Radio remote for track drive w/ manual control valves

ROTATION UNIT	
Standard unit	XP drill head w/ Christensen chuck
Maximum opening:	4-5/8" (P size)
RPM:	1400 RPM
Torque:	4560 ft lbs.
Chuck:	35,000 lbs. capacity
Hydraulic motor:	160cc variable speed/torque piston motor
Gear ratios:	6.27:1, 3.12:1, 1.75:1, & 1:1

FOOTCLAMP	
Standard unit	Christensen style footclamp
Maximum opening:	4-5/8" (P size)

MAST AND FEED	
Feed stroke:	132"
Pullback:	30,000 lbs.
Pulldown:	11,500 lbs.
Drill angle:	45 to 90 degree
Tower:	20 ft / 6 m pull capacity - telescoping
Mast dump:	48"

WATER PUMP	
Standard unit	W1122B-CD (435) piston pump
Capacity:	40 GPM @ 1000 PSI

WINCHES	
Wireline winch	Hydraulic motor direct drive c/w level wind
Capacity:	4000 ft of 3/16" cable

HOIST	
Hoisting winch:	Dinamic Oil A150 Hoist
Hoisting force:	18,000 lbs.
Capacity:	75 ft of 18mm cable
Hoist motor:	2 speed, piston

HYDRAULIC SYSTEM	
Controls:	Fully hydraulic, no electronics
Rod handling:	Synchronized chuck & footclamp w/ additional chuck and clamp control
System pressure:	4000 PSI
Filtration:	10 micron
Components:	Sauer Danfoss, Parker, Sun & Brevini
Heat exchanger:	Air: oil

INCLUDED COMPONENTS	
Rod Guard w/ rotation shut down	
Mud mixer c/w whip lines	
Working lights	

**WEIGHT 25,000 LBS**

OPTIONS	
Rod handler	
Secondary mixer	
French/Spanish labels & manual	
Diesel driven supply pump	
Mud tank(s)	





Diamond Core



Seismic



Air Rotary



Specialty &  
Multi-Purpose

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