



**PIONEER II**  
Diamond Core Drill

**MULTI▶POWER**



# FEATURES

- Lightweight & Compact
- Trailer Design For Transport
- Three Modules
- All Under 1000 lbs.
- Air Cooled Hydraulics



# Pioneer II – Diamond Core Drill

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

<b>B</b>	1230 ft / 373 m
<b>N</b>	995 ft / 301 m

## PRIME MOVER

<b>Standard unit</b>	Kubota V2403T, 4 cylinder, turbo charged diesel engine
<b>Power:</b>	59 HP @ 3000 RPM

## ROTATION UNIT

<b>Standard unit</b>	Top drive c/w built in swivel
<b>RPM:</b>	1400 RPM
<b>Torque:</b>	1000 ft lbs
<b>Hydraulic motor:</b>	Commercial gear - Bushing style
<b>Gear ratios:</b>	1 to 1

## FOOTCLAMP

<b>Standard unit</b>	2 cylinder hydraulic open/close
<b>Maximum opening:</b>	3-1/2" (H size)

## MAST AND FEED

<b>Feed stroke:</b>	72"
<b>Pullback:</b>	6900 lbs
<b>Pulldown:</b>	3000 lbs
<b>Drill angle:</b>	45 to 90 degree
<b>Tower:</b>	5 ft. rod pull capacity
<b>Mast dump:</b>	Included

## WATER PUMP

<b>Standard unit</b>	E0413C FMC piston pump
<b>Capacity:</b>	25 GPM @ 550 PSI

## WINCHES

<b>Wireline winch</b>	Hydraulic motor direct drive
<b>Capacity:</b>	1000 ft of 3/16" cable

## HYDRAULIC SYSTEM

<b>Controls:</b>	Fully hydraulic, no electronics
<b>Rod handling:</b>	Hydraulic footclamp
<b>System pressure:</b>	3000 PSI
<b>Filtration:</b>	10 micron
<b>Components:</b>	Sauer Danfoss, Valvoil, Rexroth & Parker
<b>Heat exchanger:</b>	Water:oil

## INCLUDED COMPONENTS

Trailer package
Mud mixer c/w whip lines
1000 ft of W/L cable
1 set of rod and casing jaws/bushings
55 gallon fuel tank

## WEIGHT 2995 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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