



**GOOD TO DRILL**



**DESIGNED TO PERFORM**



**BUILT TO ENDURE**



**GOOD TO DRILL**



Water Well Rigs  
Blast Hole Rigs

Exploration Rigs  
Drilling Accessories

**PRD RIGS KENYA LTD**



PRD Rigs is a manufacturer of drilling rigs with a vast product line extending from water-well, core drilling, RC drilling, Multipurpose, Pole drilling and special purpose rigs.

Noteworthy is the ever demanding customer base in East, Central and Horn of Africa with a vibrant industry hosting PRD as a 75 % market share with more than 200 rigs of various applications active.

The PRD Centre, in Nairobi, Kenya was established exclusively to support the region's drilling requirements and increase productivity by offering a one stop shop on all drilling requirements like:

- ▼ Drilling Rigs and related Equipments
- ▼ DTH, Wire line and Core Drill, Top Hammer Tools,
- ▼ Auxiliary Accessories,
- ▼ AMC Drilling Fluids, and Lubricants
- ▼ Overhaul and rebuilding of Rigs
- ▼ Service and Maintenance
- ▼ On site and on call service
- ▼ All round Free consultations

**75%**  
Market  
share

**1000+**  
units sold  
across the  
world

**60+**  
countries

**200**  
Rigs of  
various  
applications

## PRD Max Drill 4000

Application	Water well
Drilling technique	DTH & Rotary Drilling
Hole diameter range	165 - 508 mm (6 ½" - 20")
Maximum depth	1350 m @ 165 mm (6 ½")
Pull up force	42200 kgf
Pull down force	18500 kgf
Rotary head	13700 Nm, 0 - 120 rpm
	1500 cfm - 400 psi
Air compressor	1350 cfm - 365 psi / 425 psi 1200 cfm - 330 psi
Mud pump	10" x 7" Engine driven duplex double acting mud pump



## PRD Max Drill 3000

Application	Water well
Drilling technique	DTH & Rotary Drilling
Hole diameter range	165 mm - 508 mm (6 ½" - 20")
Maximum depth	1000 m @ 165 mm (6 ½")
Pull up force	32300 kgf
Pull down force	21800 kgf
Rotary head	9500 Nm, 0 - 100 rpm
	1500 cfm - 400 psi
Air compressor	1350 cfm - 365 psi / 425 psi 1200 cfm - 330 psi
Mud pump	10" x 7" Engine driven duplex double acting mud pump



## PRD OZ Drill

Application	Water Well
Drilling technique	DTH & Rotary Drilling
Hole diameter range	165 mm - 508 mm (6 ½" - 20")
Maximum depth	750 m @ 165 mm (6 ½")
Pull up force	25800 kgf
Pull down force	17700 kgf
Rotary head	9000 Nm, 0 - 100 rpm
	1500 cfm - 400 psi
Air compressor	1350 cfm - 365 psi / 425 psi 1200 cfm - 330 psi
Mud pump	8" x 6" Hydraulic driven duplex double acting mud pump / 10" x 7" Engine driven duplex double acting mud pump

## PRD Max Drill

Application	Water well
Drilling technique	DTH & Rotary Drilling
Hole diameter range	165 - 356 mm (6 ½" - 14")
Maximum depth	600 m @ 165 mm (6 ½")
Pull up force	18000 kgf
Pull down force	11800 kgf
Rotary head	6545 Nm, 0 - 100 rpm
Air compressor	1100 cfm - 300 psi 1200 cfm - 330 psi
Mud pump	6" x 6" / 8" x 6" Hydraulic driven duplex double acting mud pump



## PRD Speed Star

Application	Water well
Drilling technique	DTH & Rotary Drilling
Hole diameter range	165 - 305 mm (6 ½" - 12")
Maximum depth	363 m @ 165 mm (6 ½")
Pull up force	10000 kgf
Pull down force	7300 kgf
Rotary head	4020 Nm, 0 - 100 rpm
Air compressor	1100 cfm - 300 psi 1200 cfm - 330 psi
Mud pump	6"x 6" Hydraulic driven duplex double acting mud pump



## PRD 650

Application	Water well
Drilling technique	DTH & Rotary Drilling
Hole diameter range	165 - 254 mm (6 ½" - 10")
Maximum depth	250 m @ 165 mm (6 ½")
Pull up force	7800 kgf
Pull down force	5300 kgf
Rotary head	3000 Nm, 0 - 80 rpm
Air compressor	1100 cfm - 300 psi 600 cfm - 200 psi
Mud pump	5" x 4 ½" Hydraulic driven duplex double acting mud pump



## PRD 600

Application	Water well
Drilling technique	DTH & Rotary Drilling
Hole diameter range	165 - 203 mm (6 ½" - 8")
Maximum depth	180 m @ 165 mm (6 ½")
Pull up force	5100 kgf
Pull down force	3100 kgf
Rotary head	2100 Nm, 0 - 80 rpm
Air compressor	600 cfm - 200 psi 540 cfm - 185 psi
Mud pump	Engine / Hydraulic driven Centrifugal Mud Pump



## PRD 500 T

Application	Water well
Drilling technique	DTH & Rotary Drilling
Hole diameter range	114 - 152 mm (4 ½" - 6")
Maximum depth	150 m @ 114 mm (4 ½")
Pull up force	5100 kgf
Pull down force	3100 kgf
Rotary head	2100 Nm, 0 - 80 rpm
Air compressor	600 cfm - 200 psi
Mud pump	Engine / Hydraulic driven Centrifugal Mud Pump



## PRD 450 Portable Drill

Application	Water well
Drilling technique	DTH / Rotary Drilling
Hole diameter range	102 - 152 mm (4" - 6")
Maximum depth	150 m @ 102 mm (4")
Pull up force	2700 kgf
Pull down force	1600 kgf
Air compressor	400 cfm - 175 psi
Mud pump	Engine / Hydraulic driven Centrifugal Mud Pump



## Hydraulic

Rotary head	1500 Nm, 0 - 25 rpm
Prime Mover	Engine driven Hydraulic power pack

## Pneumatic

Rotary head	1100 Nm, 0 - 70 rpm
Prime Mover	Air compressor 400 cfm - 150 psi

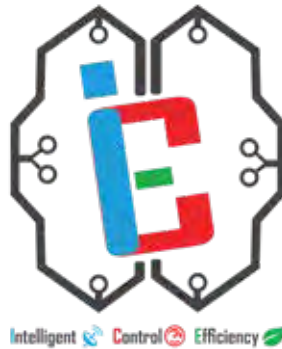


## PRD DR 2000

Application	Water well
Drilling technique	Direct Rotary Drilling
Hole diameter range	152 - 444 mm (6" - 17 1/2")
Maximum depth	650 m @ 165 mm (6 1/2")
Rotary head	9000 Nm, 0 - 100 rpm
Hoisting capacity	40000 kg
Mast length	12 m length to handle 9 m
Mud pump	10" x 7" Engine driven Duplex double acting Mud Pump

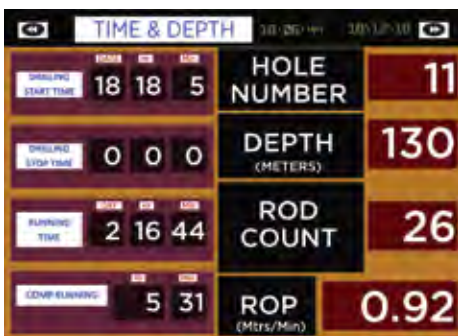
## PRD Autoloader

Application	Water well
Drilling technique	DTH & Rotary Drilling
Hole diameter	165 - 356 mm (6 ½" - 14")
Maximum depth	450 m @ 165 mm (6 ½")
Pull up force	14100 kgf
Pull down force	8600 kgf
Rotary head	4500 Nm, 0 - 100 rpm
Air compressor	1100 cfm - 300 psi 1200 cfm - 330 psi
Mud pump	6"x 6" Hydraulic driven Mud Pump Hydraulic driven Centrifugal Mud Pump
Rod handling	Auto rod handling unit to hold 40 no's of 5 m drill pipe on board



## PRD ICE Package

- Real time fuel monitoring
- Drilling progress monitoring
- Drill efficiency indicator
- Bit load sensing system
- GPS location monitoring system
- Power breakout system
- Digital display in control panel
- Centralised hydraulic test station
- Real time hydraulic system status
- Remote access through mobile app
- Fire extinguisher and hose reel
- Adaptable for all Water well rig models



## PRD Core 300

Application	Core drill
Drill rod size	PQ / HQ / NQ
Maximum depth	PQ-50 m; HQ-150 m; NQ-300 m
Prime mover	52 hp
Rotary head	Torque : 565 - 4000 Nm Speed : 125 - 1000 rpm
Rod handling	3 m rod handling with rod retrieval of 6 m
Pull up force	6300 kgf
Pull down force	3700 kgf
Drilling angle	45° - 90°
Main winch	3 ton
Wireline winch	0.5 ton with 350 m rope
Water pump	Displacement of 35 lpm with 50 bar pressure
Mounting option	Crawler / Truck / Skid



## PRD Silver Core

Application	Core Drill
Drill rod size	PQ / HQ / NQ
Maximum depth	PQ-550 m; HQ-750 m; NQ-1250 m
Prime mover	260 hp
Rotary head	Torque : 688 - 4561 Nm Speed : 163 - 1083 rpm
Rod handling	3 m rod handling with rod retrieval of 6 m
Pull up force	13700 kgf
Pull down force	7000 kgf
Drilling angle	45° - 90°
Main winch	10 ton
Wireline winch	2 ton with 1200 m rope
tater pump	Displacement of 205 lpm with 69 bar pressure
Mounting option	Crawler / Truck



## PRD Core 750

Application	Core drill
Drill rod size	PQ / HQ / NQ
Maximum depth	PQ-150 m; HQ-450 m; NQ-750 m
Prime mover	215 hp
Rotary head	Torque : 1210 - 5440 Nm Speed : 155 - 700 rpm
Rod handling	3 m rod handling with rod retrieval of 6 m
Pull up force	12400 kgf
Pull down force	6300 kgf
Drilling angle	45° - 90°
Main winch	10 ton
Wireline winch	2 ton with 800 m rope
Water pump	Displacement of 140 lpm with 69 bar pressure
Mounting option	Crawler / Truck





## PRD GOLD RC Drill Rig

Application	Surface Exploration
Drilling technique	DTH - Reverse Circulation
Hole diameter range	114 - 140 mm (4 ½" - 5 ½")
Maximum depth	200 m
Pull up force	10800 kgf
Pull down force	7300 kgf
Rotary head	4000 Nm, 0 - 100 rpm
Air compressor	1200 cfm - 300 psi
Drilling angle	45° - 90°
Mounting option	Truck / Crawler
Optional attachment	Fixed cone splitter



## PRD OZ RC Drill Rig

Application	Surface Exploration
Drilling technique	DTH - Reverse Circulation
Hole diameter range	114 - 140 mm (4 ½" - 5 ½")
Maximum depth	400 m
Pull up force	25800 kgf
Pull down force	17700 kgf
Rotary head	9400 Nm, 0 - 100 rpm
Air compressor	1500 cfm - 400 psi 1350 cfm - 425 psi
Drilling angle	45° - 90°
Mounting option	Truck / Crawler
Optional attachment	Fixed cone splitter



## PRD Multi Star

Application	Water well / Coring / RC
Maximum depth	DTH-750 m; NQ-750 m; RC-400 m
Pull up force	25800 kgf
Pull down force	17700 kgf
Rotary head	9400 Nm, 0-100 rpm
Drilling angle	45° - 90°
Air compressor	1500 cfm - 400 psi 1350 cfm - 425 psi
Main winch	10 ton
Wireline winch	2 ton with 800 m rope
Water pump	Displacement of 140 lpm with 69 bar pressure
Mounting option	Truck / Crawler
Optional attachment	Fixed cone splitter

## PRD Drill Max HC 500

Drilling technique	DTH
Hole diameter	89 - 127 mm (3 ½" - 5")
Maximum depth	15 m
Pull down / Pull up force	1500 kgf
Single pass depth	3 m
Boom Reach	2100 mm
Air compressor	380 cfm - 200 psi 400 cfm - 175 psi
Estimated weight	4750 kg
Rotary head	1800 Nm, 0 - 50 rpm
Tramming speed	2.5 km / hr
Optional attachment	Dust collector



## PRD BH 15 100

Drilling technique	DTH / Rotary
Hole diameter	100 - 165 mm (4" - 6 ½")
Maximum depth	16 m
Pull down / Pull up force	6000 kgf
Weight on bit	7000 kgf
Single pass depth	4 m
Air compressor	600 cfm - 200 psi
Engine power	260 hp
Estimated weight	16 ton
Rotary head	3300 Nm, 0 - 100 rpm
Rod carousel	3 no's x 4 m length
Tramming speed	2 km / hr



## PRD BH 30 160

Application	Mines
Drilling technique	DTH / Rotary
Hole diameter	165 - 203 mm (6 ½" - 8")
Maximum depth	37 m
Pull down force	13800 kgf
Pull up force	7000 kgf
Weight on bit	14800 kgf
Single pass depth	6.8 m
Air compressor	900 cfm - 350 psi / 110 psi
Engine power	430 hp
Estimated weight	26 ton
Rotary head	2700 Nm, 0 - 140 rpm
Rod carousel	4 no's x 7.6 m length
Tramming speed	1.5 km / hr





## PRD Tractor Mounted Rig

Application	Piling
Drilling technique	DTH / Rotary / Piling
Drilling Capacity	Water well drilling 6 1/2" diameter upto 200 m
	Pile Drilling 1200 mm diameter upto 30 m (water assisted)
Pull up force	7900 kgf
Pull down force	5400 kgf
Rotary head	4000 Nm, 0 - 80 rpm
Air compressor	600 cfm - 200 psi
	1100 cfm - 300 psi
Mud Pump	Hydraulic driven centrifugal mud pump



## PRD Pole Drill

Application	Concrete piling, Conductor casing in Oil & Gas, Pole erection
Drilling technique	
Hole Diameter	450 mm - 1200 mm
Maximum depth	15 m
Pull up force	20000 kgf
Pull down force	8500 kgf
Rotary head	14000 Nm, 0 - 50 rpm
Prime mover	260 hp
Air compressor	2 x 1100 cfm - 300 psi
	2 x 1200 cfm - 330 psi



## PRD Test Pumping Unit

Boom capacity	15 ton
Max.vertical reach	9800 mm
Max.horizontal reach	1000 mm
Genset unit	40 kVA - 120 kVA
Winch capacity	5, 7 & 10 ton options



## PRD Giraffe Pump Installation Unit

Boom capacity	10 ton
Max.vertical reach	7200 mm
Max.horizontal reach	1000 mm
Winch capacity	3 ton



## COMPRESSOR RANGE

Free air delivery	380 cfm - 1500 cfm
Pressure	150 psi - 425 psi
Mounting option	Skid platform / Trolley / Truck
Optional attachment	Hose reel, Fuel tank
Make	ELGI / Atlas Copco / Doosan



## MUD PUMP RANGE

### PRD Duplex Double Acting Piston Mud Pump

Model	Stroke	Liner Size	Displacement (in lpm)	Max Pressure (in kg/cm <sup>2</sup> )
PRD 125	5" (127 mm)	4 ½" (114 mm)	435 - 665	18 - 10
PRD 150	6" (152 mm)	6" (152 mm)	477 - 915	35 - 18
PRD 200	8" (203 mm)	6" (152 mm)	570 - 1333	45 - 20
PRD 250	10" (254 mm)	7" (178 mm)	782 - 1980	50 - 20

### PRD Centrifugal Mud Pump

Discharge	600 lpm
Engine Power	10 hp
Engine make	Yanmar
Delivery / Suction size	65 mm / 75 mm



PRD Engine driven Mud pump



PRD Hydraulic driven Mud pump



PRD Centrifugal Mud pump

## Top hammer Tools



### Bits

- Threaded button bits
- Standard and Retrac shank bits
- Diameter 38 to 127 mm
- Thread styles- R22, R32, R38, T38, T45, TSI + 15% higher life



### Coupling Sleeves

- Thread Styles - R22, R32, R38, T38, T45, TSI
- Long lasting design



### Extension Rods

- Extension and Drifter Rods
- Ext rods- Round 32, 39, 45 and 51
- Drifter Rods- Hex 35
- Long life
- Superior steel



### Shank Adaptors

- Available to suite all major Hydraulic and Pneumatic Drifters
- Less wear on drifter parts- user friendly



## Down the hole tools

- All styles and Head Designs
- 3" to 20" suitable to major hammers
- + 15 % penetration
- Complete Hammer Range 2"to 10"
- High on penetration
- Low on fuel consumption
- A complete range of spare parts for all hammers

- Down the Hole hammers (2 - 12 inches diameter)
- Down the Hole Button bits (2 - 24 inches)
- Down the Hole over burden drilling systems (4 3/4- 12 inches)



Authorized Dealers of **BOART LONGYEAR'S** wireline core drill tools and top hammer tools: HQ, NQ, HQ3, NQ3



Authorized Dealers of **AMC** Range of Products



Our range of **PRISCO** Oils and Greases



Authorized dealers of **SOLINST** (made in Canada) range of High Quality Groundwater & Water Monitoring Instrumentation



Authorized dealers of **PROPEL** Crushing and Screening Solution

Service, Support & Satisfaction



GOOD TO DRILL

Professional assembly, rebuilding,  
Maintenance services and  
consultancy of drilling rigs and tools



**PRD RIGS  
KENYA LTD**

GOOD TO DRILL

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