



Technical Specification

PRD Silver Core



Miners preferred surface core drilling rig capable to drill 1250 m of NQ size. High speed chuck drive rotary head can do HQ, PQ, NQ & BQ drill sizes.

Note: The images provided here are for reference only and do not depict the exact specification outlined in this document.





Application	Surface Exploration
Capacity	PQ : 550 m
	HQ : 750 m
	NQ : 1250 m
Drilling Angle	45° to 90°
Prime Mover*	Rig hydraulic system is powered from Deck engine 260 hp
Platform Structure	Heavy I and C section welded steel structure covered with 5mm chequered plate
Mast Assembly	Strong structural steel twin tubular box type construction, Foldable mast, rod handling 3 m
	Mast Overall Length : 6150 mm
	Rotary Head Travel : 4000 mm
Mast Raising Cylinder	Mast is raised and lowered by two hydraulic cylinder
Mast Dumping	Mast is provided with dumping arrangement for angle drilling
Feed System	Single hydraulic cylinder with 1:1 ratio
	Pull Up Force : 13700 kgf
	Pull Down Force : 7000 kgf
	Pull Up Speed : 26 m/min
	Pull Down Speed : 41 m/min
Rotary Head Assembly (Top Head Drive)	Rotary head sliding for wire line winch usage
	Rotary head type : Hollow spindle, hydraulic open, spring closed
	Torque : 470 - 6550 Nm
	Speed : 100 - 1300 rpm





Hydraulics	<p>1 x variable displacement pump for Feed, Rotation & winches 1x variable displacement pump for fast rotation 1 x Fixed displacement pump for water pump 1 x Fixed displacement pump for Hydraulic cooler</p> <p>Maximum System Pressure : 3480 psi (240 bar)</p> <p>Hydraulic Oil Cooler : 120 gpm</p> <p>Hydraulic Tank Capacity : 750 litres</p>
Control Panel	<p>Swing out - Centralized control panel is at rear end of the equipment for convenient view of drill table provided with all necessary gauges, control system and emergency switch. Locking arrangement is provided for the safety of control panel</p>
Levelling Jacks	<p>4 x Hydraulic levelling jacks are provided for quick setting and levelling with heavy duty telescopic guides. Locking check valves for safety with adequate capacity to withstand load</p>
Foot Clamp	<p>Hydraulic operated Rod clamp has gripping range of NQ HQ PQ sizes</p>
Water / Foam Injection Pump	<p>Hydraulic operated water injection triplex pump with necessary fittings, pressure regulator, check valve and suction filter are provided</p> <p>Maximum Flow : 205 lpm</p> <p>Maximum Pressure : 69 bar</p>
Winch	<p>Main winch : 10 Ton Line Speed : 45 m/min</p> <p>Wire line winch : 2 Ton with 1200 m rope Line Speed : 72 m/min</p>



Additional Fitments	Night Lights and Tools box
User Manual	Manual for Operation, Maintenance and Spare Parts
Mounting Option*	Crawler / Truck / Skid
Optional Attachments	Mines safety features
	Spin cage

**Combinations will vary according to our Design feasibility*







Happy Drilling forever with PRD Rigs

