



TECHNICAL SPECIFICATION

PRD WEEP HOLE



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



Application	PRD WEEP HOLE drilling rig specially designed for horizontal dewatering application.
Drilling Method	DTH Drilling
Capacity	Hole Diameter : 5" to 8" ; Depth : 250 m
Drilling Angle	Capable of angles from horizontal to +6°
Overall Weight	Aprox-9,000 Kgf (Without Rod).
Prime Mover*	Suitable Diesel Driven Prime Mover(180HP)
Mounting Option*	Self-propelled Crawler.
Base Frame Structure	Rugged Base frame structure for heavy duty application, supported by four levelling jack.
Mast Assembly	Strong tubular box type structural construction.
	Mast Overall Length : 5700 mm
	Rotary Head Travel : 4000mm
	Rod handling : 3 meter (3048) long x 3 ½" (89mm) drill pipe.
Mast Anchor support	Anchor support is provided for rig stability (Anchor Dump Travel Length = 550 mm)
Rotary Head Assembly	Drill head driven by Hydraulic motor.
	Rotary head torque: 5150 Nm
	Rotary head speed:0-100 rpm
Feed System	Hydraulic Powered Feed cylinder With 1:2 Rope reeving system.
	Pull Up Force : 12434 daN (12680Kgf)
	Pull Down Force : 8540 daN (8710 Kgf)
Rod Handling System	Hands free rod handling system capable to handle 3 meter long x 3 ½" drill pipe
	Rod Bin Capacity: 35 Rods



Hydraulics	3 x Gear Pump With Suitable Control Valves
	Maximum System Pressure : 210 Bar
	Hydraulic Reservoir : 560 litres
Control Panel	Centralized control panel at rear end of the equipment for convenient view of drill table provided with all necessary gauges, control system and emergency switch.
Levelling Jacks	4 x Hydraulic levelling jacks are provided for quick setting and levelling. Locking check valves for safety with adequate capacity to withstand load.
Foot Clamp	Hydraulic operated dual Rod clamp with opening of 50-250 mm.
Water / Foam Injection/Mud Pump	Hydraulic operated centrifugal pump with necessary fittings, check valve, flow regulator for Hydraulic motor to regulate the water pump flow are provided.
	Maximum Flow : Up to 400 lpm
	Maximum Pressure : 10 bar
Additional Fitments	Remote Tramming, DTH Drilling Attachment
Painting	Two coat of Epoxy primer with enamel finish along with grid blasting to your choice of colour.
Monitoring system	GPS monitoring system
User Manual	Manual for Operation, Maintenance and Spare Parts
Recommended Compressor	600 cfm @ 200 psi / 1100 cfm @ 300 psi.
Ground Clearance	1170 mm @ Horizontal, 1555mm @ 6° Position.

**Combinations will vary according to our Design feasibility.*