

DTHR-300

DTH CUM ROTARY DRILL RIG:

The comprehensive range of DTHR 300 drilling rig offered by us is widely used in DTH cum Rotary drilling rig which is suitable for hole dia 6.5" (continuous), 9", 10" and 12" (over burden) by DTH Drilling and 8" (Continuous), 12 ¼ & 16" (Reaming) by Rotary Drilling up to a depth of 300 meters. These truck mounted rigs use power from truck engine through transfer gear box to ensure better performance. The rig has a box type structure with excellent rod handling capacity. The pull-up and pull-down functions are performed by means of hydraulic cylinder and wire rope in the equipment. We offer our products with additional attachments like welding machine, 6" x 8" mud pump.



Technical Specifications:

Technical Data	Description
Hole Diameter	6.5"(Continuous)9",10" and 12"(Over burden) 8"(Continuous)12 ¼" & 16"(Reaming)
Depth	300 Meters
Truck	CLA 26.280 / 31.230 / 25.280 / As per customer request.
Prime Mover	Truck Engine
Application	Water Well Drilling Rig
Formation	Soft / Hard / unconsolidated / Alluvial
Mast	Hydraulic cylinder with pulley and wire rope Maximum Pull up force - 14500 kgs Maximum Pull down force - 7500 kgs Reeving Ratio 1:3 Maximum Pull up speed - 45 meter / minute Maximum Pull down speed - 60 meter / minute
Rotatory Head	Max speed: 0- 170rpm Maximum Torque: 600 kg.m
Hydraulic system	Maximum Working pressure 210 kg/cm ² Pumps: Load sensing
Hydraulic Oil Cooler	120gpm / 150 gpm
Break out Wrench	Maximum Torque: 500kg.m ² Cylinder bore: 80mm / 100mm Stroke: 300mm / 350mm
Levelling Jacks	Four Box Hydraulic levelling jacks
Water Injection Pump	Triplex reciprocating pump powered by hydraulic motor
Optional Attachments	Shock sub, Stem lock, hole sweeper, Dust collector, Digital controls, Auto drilling, Auto Rod charger, GPS system, Driller AC cabin, Data logging system, Welding generator, Six rod carousal and mud pump..
Rod Changer	Manually operated rod changer to handle single rods with 1000 kgs. capacity pull up winch to carry drill rods, casings and hammer tools.
Mast Raising Cylinder	Bore: 100mm ² Stroke: 800mm Quantity: 2 No's
Air Compressor	Atlascopco XRV 1200 cfm - 330 psi / 1100 cfm - 300 psi / As per customer request.

Air Line Lubricator	18 liters
Mud Pump	Capacity: 6" x 8" Linear size: 6" Stroke : 8" Flow : 1024 lpm Pressure : 20.74 kg/cm2 Optional : 6" x 8"(capacity)