



MINE EXPLORATION RC RIG

RC 5000



Heavy duty Track or Truck mounted, for Reverse Circulation or Grade Control
Supplied complete with basic set equipments, including on board Air Compressor.



Thor Drill Rig

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TECHNICAL DESCRIPTIONS

DECK ENGINE	100 HP
FUEL TANK CAPACITY	800 L
STANDARD COMPRESSOR	Different options available
DRILLING CAPACITY	@23,5 T 752 meters with 4" rods & 626 meters with 4,5" rods
COOLING	Hydraulic cooler fitted
CONTROL SYSTEM	Easy accessible Control panel with clear view for operator
STEEL TRACK MOUNTING	45 tons trackOne under carriage, with manual hydraulic tramping system and wireless remote control option
TRUCK MOUNTING	6x4/6x6 or 8x4/8x8 truck
TOP HEAD DRIVE /ROTATION HEAD	Reduction gearbox type (grease filled) reduction 3,25:1 spindle hole 80 mm, RPM 0-80, MAX TORQUE 9000 Nm, spindle thread -102 ARD, Head can be used for RC/DTH/Air core & MUD Rotary
HYDRAULIC HEAD TILT	Hydraulic head tilt for safe and easy rod & casing handling
OUTRIGGERS	4 x steel boxed hydraulic outriggers bore size 100mm, stoke 1m, double fitted double pilot operated check valves in case of hose failure
FEED SYSTEM	Mast tubular construction working with 2 cylinders (no chains or cables)
PULL BACK	23,5 T @ 300 bar
PULL DOWN	8,4 T @ 300 bar
ROD LENGTH	6 M
MAST LENGTH	11 M
OVERALL DEPTH	400 mm
OVERALL WIDTH	600 mm
TOP HEAD TRAVEL /STROKE	7,4 M
DUMP MAST SLIDE TRAVEL	1,8M
BREAKOUT SYSTEM	Manual keeper spanner, Conventional hydraulic assisted breaker spanner, or hydraulic hands free option.
WINCHES	Worm Drive gearbox type hydraulically driven, max weight capacity 1000kg/1m/sec. Optional wire line winches available.
HYDRAULIC SYSTEM	Open loop hydraulic system, with Poclairn piston pump @ 300 bar, gear pumps for auxiliary functions and cooling.
HAMMER LUBRICATOR	In line venturi type with 15 L capacity
FOAM PUMP	Hydraulic driven piston pump 21 L/min @ 200bar
ELECTRIC SYSTEM	12 & 24 volts with options of working lights, emergency stops, and lock out depending on customer needs.
AIR LINES	All air lines are rated at 80 bar with whip safety socks on all ends with booster line as option
SHIPPING DIMENSIONS LxWxH (track mounted rigs)	10480 x 2500 x 4020 mm
GROSS WEIGHT (track mounted rigs)	23 T
DEPTH CALCULATION EXPLANATION	All depth calculations are theoretical based on different rod/m weight with 20% safety margin worked in. 4" RC rods 25KG/m, 4,5" RC rods 30KG/m. These capacities are based on the hydraulic capacities of the drilling rigs.



THOR DRILL RIG CC MANUFACTURERS OF DRILLING EQUIPMENT
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