



# BLAST HOLE / GRADE CONTROL

## BH/GC



# Thor Drill Rig

MINE EXPLORATION RC RIG

**BH/GC**



## TECHNICAL DESCRIPTIONS

<b>DECK ENGINE</b>	100 HP
<b>FUEL TANK CAPACITY</b>	1000 L
<b>STANDARD COMPRESSOR</b>	1200 cfm@24bar
<b>DRILLING CAPACITY</b>	54 meters hands free
<b>COOLING</b>	Hydraulic cooler fitted
<b>CONTROL SYSTEM</b>	A/C operator cabin
<b>STEEL TRACK MOUNTING</b>	45 tons track one under carriage, with manual hydraulic tramming system and wireless remote control option
<b>TRUCK MOUNTING</b>	8x4 or 8x8
<b>TOP HEAD DRIVE /ROTATION HEAD</b>	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
<b>HYDRAULIC HEAD TILT</b>	Hydraulic head tilt for safe and easy rod & casing handling
<b>OUTRIGGERS</b>	4 x steel boxed hydraulic outriggers bore size 100mm, stoke 1m, double fitted double pilot operated check valves in case of hose failure
<b>FEED SYSTEM</b>	Mast tubular construction working with 2 cylinders (no chains or cables)
<b>PULL BACK</b>	23,5 T @ 300 bar
<b>PULL DOWN</b>	8,4 T @ 300 bar
<b>ROD LENGTH</b>	6 M
<b>MAST LENGTH</b>	11 M
<b>OVERALL DEPTH</b>	400 mm
<b>OVERALL WIDTH</b>	600 mm
<b>TOP HEAD TRAVEL /STROKE</b>	7,4 M
<b>DUMP MAST SLIDE TRAVEL</b>	1,8M
<b>BREAKOUT SYSTEM</b>	hydraulic hands free break out system
<b>WINCHES</b>	Worm Drive gearbox type hydraulically driven, max weight capacity 1000kg/1m/sec. Optional wire line winches available.
<b>HYDRAULIC SYSTEM</b>	Open loop hydraulic system, with Poclairn piston pump @ 300 bar, gear pumps for auxillary functions and cooling.
<b>HAMMER LUBRICATOR</b>	In line venturi type with 15 L capacity
<b>FOAM PUMP</b>	Hydraulic driven piston pump 21 L/min @ 200bar
<b>ELECTRIC SYSTEM</b>	13 & 24 volts with options of working lights, emergency stops, and lock out depending on customer needs.
<b>AIR LINES</b>	All air lines are rated at 80 bar with whip safety socks on all ends with booster line as option
<b>SHIPPING DIMENSIONS LxWxH (track mounted rigs)</b>	10481 x 2700 x 4020 mm
<b>GROSS WEIGHT (track mounted rigs)</b>	23 T
<b>DEPTH CALCULATION EXPLANATION</b>	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.



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