

### GP 1000 DIRECT CIRCULATION DRILLING RIG

<b>Rated Capacity</b>	:	<b>Drill Pipe</b>	<b>Minimum Hole Dia.</b>	<b>Depth</b>
		60 mm	145 mm	460 Mts.
		73 mm	152 mm	305 Mts.
		89 mm	203 mm	185 Mts.
<b>Casing Load</b>	:	10,000 Kgs. Using Single sheave Travelling Block, Dead end at top.		
<b>Mast</b>	:			
<b>Construction</b>	:	Tubular Steel, Electrically Welded.		
<b>Height</b>	:	11 Mts. above rotary table.		
<b>Gross Load Capacity</b>	:	15,000 Kgs.		
<b>Hook Load Capacity</b>	:	10,000 Kgs. With Single sheave travelling block.		
<b>Raising and Lowering</b>	:	2 Hydraulic Cylinders.		
<b>Crown Block</b>	:	4 Sheave Plus 1 Catline Sheave.		
<b>Rotary Table</b>	:			
<b>Type</b>	:	Spiral Bevel Gear Oil Bath lubrication		
<b>Opening</b>	:	120 mm		
<b>Retraction</b>	:	525 mm		
<b>Drive</b>	:	Drive through torque tube and disc type clutch		
<b>Kelly</b>	:	73 mm OR 85.72 mm Dia., 7.3 Mts. Long, 3 Fluted round kelly.		
<b>Pull Down (Optional)</b>	:			
<b>Type</b>	:	Through 2 Nos. Roller Chain & Hydraulic Motor with reducer.		
<b>Feed</b>	:	7 Mts.		
<b>Force</b>	:	5000 Kgs.		
<b>Draw Works</b>	:	<b>Barrel Dia. X Length</b>	<b>Single Line Pull Bare Drum</b>	
<b>Hoisting Drum</b>	:	178 mm X 216 mm	5000 Kgs.	
<b>Sand Reel</b>	:	178 mm X 216 mm	5000 Kgs.	
<b>Clutch</b>	:	356 mm, 2 Plates mechanical type.		
<b>Brakes</b>	:	420 mm X 100 mm Mechanical High Leverage type.		
<b>Drive</b>	:	By Chain.		
<b>Transmission</b>	:	Four / Five speed forward, one speed reverse.		
<b>Sub Drive Case</b>	:	Suitable for mounting automotive gear box and to obtain hydraulic pump drive		
<b>Hydraulic</b>	:	Pump fixed displacement vane type discharge & pressure 80 LPM @ 70.3 Kg/cm <sup>2</sup>		
<b>Mud Pump</b>	:			
<b>Model</b>	:	GPS – 150 LW		
<b>Stroke &amp; Liner Size</b>	:	150 mm X 140 mm		
<b>Disp. &amp; Pressure</b>	:	902 LPM @ 17.46 Kg/cm <sup>2</sup>		
<b>Drive</b>	:	"V" Belts / Chain.		
<b>Clutch</b>	:	Clow Clutch OR 203 mm, 3 Plates Mechanical.		
<b>Leveling Jack</b>	:	4 Mechanical Jack (Optional Hydraulic)		
<b>Lighting</b>	:	From truck battery or dynamo, optional separate lighting generator.		
<b>Controls</b>	:	Conveniently located.		
<b>Prime Mover</b>	:	Truck mounted version all components driven by same truck engine through PTO		
	:	Skid / Trailer mounted Version all components driven by 100 HP Diesel Engine.		
<b>Mounting</b>	:	4 X 2, 4 X 4, 6 X 4 Truck Chassis OR Full / Semi Trailer Mounted.		
<b>Optional Available</b>	:	Hydraulic Break Out, Welding Generator, Lower rotary speed for DTH drilling.		