



## Technical Specification

**PRD 450**



**A portable bore hole drilling rig with a pull up force of 2700 kg capable of drilling 150 m of drilling 4" diameter up to 150 depth. Drilling hole size range from 4" - 6".**

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





<b>Application</b>	Domestic Water Wells
<b>Capacity</b>	Hole Diameter : 102 – 165 mm ( 4" – 6")
	Maximum Depth : 150 m @ 102 mm (4") diameter
<b>Drilling Method</b>	DTH Drilling
<b>Mast Assembly</b>	Strong structural steel twin tubular box type construction.
	Mast Overall Length : 2750 mm
	Rotary Head Travel : 1920 mm
	Rod Handling : 1.5 m
	Centralizer Opening : 7" (178 mm)
<b>Feed System</b>	Feed Motor : 8 HP
	Pull Up Force : 2700 kgf (5940 lb.f) @ 140 bar
	Pull Down Force : 1600 kgf (3520 lb.f) @ 140 bar
	Pull Up Speed : 24 m/min
	Pull Down Speed : 24 m/min
<b>Rotary Head Assembly (Top Head Drive)</b>	Maximum Torque : 1500 Nm
	Rotation Speed : 0 - 25 rpm Fine controlled
<b>Levelling Jacks</b>	Tripod with 3 Screw rod or Square pod with 4 Screw rod
<b>Airline Lubricator</b>	A positive acting venturi type inline lubricator is provided for injecting oil to the down hole hammer.
	Tank capacity : 5 litres
	Working pressure : 250 psi





**Recommended Air Compressor\***

Make

ELGI / Atlas Copco / Doosan

Compressor capacity

400 cfm - 150 psi (10 bar)

600 cfm - 200 psi (14 bar)

**Mounting Option\***

Tripod or Square pod Base

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









**Happy Drilling forever with PRD Rigs**

