



GEOMECH AFRICA
Proudly *GEO GROUP*

Hanjin P7000

**GEOTECHNICAL
AND EXPLORATION
DRILLING**





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About The Hanjin P7000

1. Drill up to 1000m with 4" and up to 18" for Waterwell, Hot spring, Micro pile & Revers Circulation Drilling.
2. Dual Rotary System (Max. 14") can be mounted on this drill as option
3. Vertical, Angle Drilling available.
4. Available for Down The Hole, Rotary Drilling.
5. Mast is strong so mast is more stable at rotary drilling.(Tricorn Drilling)
6. All instrument & control levers are concentrated. So a Driller can operate this drill rig.
7. Reduce the cost of drilling accessories and wearing parts & fuel consumption.
8. Easy to make the Rig load and unload on truck as Self-loading by itself.
9. Save the setting time for starting work.
10. Vertical ,Angle drilling, Horizontal Boring are available as option.
11. High working efficiency.
12. Easy to repair the machine due to full Hyd.system.
13. Truck mounted type is available.
14. Rod handler system-option



CAPACITIES

Drill Rod	PQ	HQ	NQ	BQ
Meters	944	1415	2000	1500

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Technical Specifications

Dimensions		
OA LENGTH TRANSPORT	10 m	
OA WIDTH	2,2 m	
OA HEIGHT - TRANSPORT	2.6 m	
OA HEIGHT - MAST UP	10,5 m	
WEIGHT - LESS DRILL PIPE	8,5 Ton	
Engine		
MODEL	Doosan DL08	
RATED POWER	262 HP / 2000 rpm	
FUEL CAPACITY	300 Litres	
COOLING SYSTEM	Water Cooling	
Top Head Rotation		
RPM	1st	0-120
	2nd	0-60
TORQUE	1st	450 kg/m
	2nd	900 kg/m
Feed Sytem		
TRAVERSE CYLINDER	160 mm x 100 mm x 3500 mm	
HEAD TRAVEL	1st	7 m
DUMP MAST	2nd	Up: 1,5 m Down: 0,5 m
PULL UP CAPACITY	30 Ton	
PULL DOWN CAPACITY	18 Ton	
Top head driven by hydraulic cylinders throughout heavy duty chain		
Gear Box Sliding		
TRAVEL	500 mm	
Option - Upper Frame Moving: It can be moved back and forth. Casing treatment and centering calibration are easy		
Winch		
SPOOL CAPACITY	30 m of 14 mm cable	
LINE PULL	15 Ton	
Hydraulic System (Load Sensing)		
GENERAL 3 PUMP OPEN LOOP SYSTEM	Tank Capacity	260 Litres
	Filtration	10 Micron
GENERAL 3 PUMP OPEN LOOP SYSTEM	Pump Model	K3V140 x 2+35 (HP Constant)
	Cooling System	Air cooling
	Opp. Pressure	280 bar
Light and Electrical System		
MAST	2-60 watt floodlights	
CONTROL PANEL	2-gauge floodlights	
WORK	2-60 watt floodlights	
Control Panel		
All controls are grouped at the operator's station within sight of the borehole.		
Hydraulic Outrigger Jacks		
Four hydraulic outrigger jacks are fitted to the outer corners of the rig for easy and accurate levelling of the rig.		
Self Loading		
GROUND CLEARANCE	1400 mm	
WIDTH	3100 mm	
Drill Pipe		
MAX. LENGTH	6 m	
Hydraulic Clamp		
SINGLE CLAMP	355 mm	
Working Table		
MAX. CASING DIAMETER	355 mm	
Drill Pipe Breakout		
TORQUE BREAK-OUT	4 Ton	
Crawler Base		
CRAWLER TYPE	Sola 055	
CRAWLER SPEED	2,5 km/h	
GROUND PRESSURE	Sola 0,5 kg/cm ²	
3-WEB TRACK SHOES	400 mm	
GROUND CLEARANCE	400 mm	
Jib		
80 degree Turn. 350 mm Extension		



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The GeoGroup

GeoGroup comprises of a group of companies, each a leader in its own field, providing a range of services to the geotechnical, civil, mining and energy industries.

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About Geomech Africa

Geomech Africa (Pty) Ltd is an industry leader in the geotechnical investigations in Southern Africa. Certified as a **Level 1 B-BBEE** contributor. Providing drilling and testing services to the minerals exploration market, as well as geotechnical and civil industries in and around Southern Africa and Africa.

Geomechanics has long-term policies of developing operational/maintenance staff and upgrading equipment, to ensure that geotechnical investigations conducted for our clients are accurate, timely, cost effective and easily interpreted.

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