



Dando Drilling International



track
mounted



geotechnical
investigation



truck
mounted

Dando Geotec 6

The Dando Geotec 6 is a robust, hydraulic rotary top drive geotechnical site investigation rig capable of a full range of sampling and testing techniques including SPT. Available with high speed and high torque rotary head options for auger drilling and/or coring.

- High speed/high torque rotary head
- High pressure air/water swivel
- Main winch for handling tools/casing
- Hydraulic breakout clamps
- Onboard coring pump
- Automatic SPT System



Made in England
since 1867

Geotec 6 Rotary Drill Rig

Drilling Rig Specification

Carrier Options	Heavy duty commercial 4 x 4 truck - Crawler mounted - Trailer mounted - Mounted on customer own support vehicle/structure		
Deck Engine	VM Sun 80 HP diesel engine standard, other options available		
Mast Dimensions	Working mast height using main winch: 5200mm	Working mast using the rotary head: 4500mm	
Rig Capacity	Pullback: 6000kgs	Pulldown: 3250kgs	Hook load (max): 6000kgs
Rotary Head Performance	Option 1	Rotation (max) 436rpm	Torque (max) 6000Nm
	Option 2	Rotation (max) 750rpm	Torque (max) 12050Nm
	Rotary head tilt and side shift		
Drill Table and Break Out System	As standard - Double acting hydraulic make up and break out clamp. With minimum clamping diameter of 60mm and a maximum of 250mm		Other options available
Main Winch	Maximum single line pull: 2040kgs	Maximum speed: 41m/minute	Drum capacity: 57m of 10mm wire rope
Tool Handling Winch	Maximum single line pull: 1326kgs	Maximum speed: 15m/minute	Drum capacity: 30m of 8mm wire rope
Coring Pump	Standard: Hydraulically driven triplex pump	Maximum flow rate: 146 litres/minute Maximum discharge pressure: 700psi	
Hydraulic System	Hydraulic power circuit based on load sensing hydraulic pumps and proportional control valves		
Drillers Control Panel	Uncomplicated and user friendly with ergonomic layout (swinging out arm mounting optional)		
Rod Spin Safety Guard	Various options available		
Levelling Jacks	Two front and two rear jacks with individual locking valves		
Lighting and Electrical System	Rig is provided with mast and control panel lighting and the electrical system is 12 volt		
Drilling Capacities*	3 1/2" (13.5kgs/m) drill rod = 356m NWY (8.0kgs/m) drill rod = 600m		
Optional Equipment	<p>SPT swing in hammer attachment. This drop weight runs on two guide bars guaranteeing a friction free fall. The weight is fully guarded and can be quickly changed for either SPT Testing or Dynamic Probing standards. Trip Hammer Speed: 0 - 45 blows per minute Trip Hammer Drop: 500mm / 750mm Trip Hammer Weight: 50kgs / 63.5kgs</p> <p>Hydraulic Free Fall Winch - This winch is for light percussive works such as bailing and surging of casing</p> <p>RC Drilling Conversion Kit - For reverse circulation drilling applications</p> <p>Drill Rod Rack - Mounted on carrier</p> <p>Wire Line Winch - Maximum single line pull: 1000kgs. Maximum speed: 120m/minute. Drum capacity: 650m of 6mm wire rope</p> <p>Other options available on request</p>		



* Based on 80% of drill string weight in dry hole

Please note: All figures and claims made here are indicative and Dando Drilling International reserves the right to make alterations to specification detail without notice. All images are for reference only and may not represent the exact specification outlined in this document.

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