



Dando Drilling International

Dando Geotec 9000

With a pullback of 10,000kgf, the Dando Geotec 9000 is a powerful hydraulic top drive geotechnical drilling rig capable of a full range of sampling and testing techniques, including SPT utilising the attached swing in SPT hammer. The rig is available with high speed and high torque rotary head options for auger drilling and/or coring.



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Drilling Rig Specification

Carrier Options	Crawler mounted is standard (with various track options available and remote umbilical tracking.) Can also be supplied on: Heavy duty commercial 4 x 4 truck - Trailer mounted - Skid -Mounted on customer own support vehicle/structure		
Deck Engine	Standard fitting: CAT C4.4 turbo diesel engine 102hp (142hp available as an option)		
Mast Dimensions	Working mast height using main winch: 5500mm; 7500mm (using mast extension)	Working mast using the rotary head: 3700mm	Mast dump to 45°
Head Traverse	Hoist = 6m/m (20ft/min)	Rapid Hoist = 26m/min (85.5ft/min)	
	Feed = 20.25m/min (66ft/min)	Rapid Feed = 36.5m/min (120ft/min)	
Mast Capacity	Pullback: 10000kgf	Pulldown: 3250kgf	Hook load (max): 10000kgf
Rotary Head Performance	Standard	Rotation (max) 436rpm	Torque (max) 6000Nm
	Option 1	Rotation (max) 750rpm	Torque (max) 4000Nm
	Other options available		
	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: 3200kgf	Maximum speed: 41m/minute	Drum capacity: 65m of 13mm wire rope
Wireline Winch (Optional)	Maximum single line pull: 1000kgf	Maximum speed: 120m/minute	Drum capacity: 1150m of 4.76mm (3/16") wire rope. Other options available
Coring Pump	Standard: Hydraulically driven triplex pump	Maximum flow rate: 146 litres/minute	
	Other options available	Maximum discharge pressure: 700psi	
Inline Oil Lubricator	Fitted as standard and used when operating a DTH hammer		
Hydraulic System	Hydraulic power circuit based on load sensing hydraulic pumps and proportional control valves with auxiliary quick connect circuit		
Drillers Control Panel	Uncomplicated and user friendly with ergonomic layout mounted on a swing out arm		
Rod Spin Safety Guard	Fitted as standard with speed reduction.		
Levelling Jacks	Two front and two rear jacks with individual locking valves		
Lighting and Electrical System	Rig is provided with control panel and mast (optional) lighting. Electrical system is 12 volt		
Drilling Capacities*	31/2" (13.5kg/m) drill rod = 533m		
	NWY (8.0kg/m) drill rod = 900m		
Optional Equipment	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: 50kg / 63.5kg		
	Dando 3D System - Designed for taking soft ground undisturbed samples while advancing the casing at the same time.		
	Hydraulic Free Fall Winch - This winch is for light percussive works such as bailing and surging of casing		
	RC Drilling Conversion Kit - For reverse circulation drilling applications		
	Drill Rod Rack - Mounted on carrier		
	Wire Line Winch - Maximum single line pull: 1000kgs. Maximum speed: 120m/minute. Drum capacity: 650m of 6mm wire rope		
	Mast Extension - A hydraulically deployed detachable and foldable mast section that can be fitted to allow the pulling of 6m drill rods.		
	Rod Handler - For increased safety when loading drill rods		
	Track Options: Option 1=Triple grouser. Option 2=Single grouser. Option 3=Rubber plate		
	Other options available on request		



Mast Extension

* Depths stated are theoretical and based on 80% capacity of the machine. Depths achieved will depend on variables including ground conditions and capability of crew operating the machine.

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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