



# Dando Drilling International



waterwell



mineral  
exploration



geotechnical  
investigation

## Dando Multitec 6000

Dando's latest design in compact rig technology incorporating a small foot print with a large and diverse number of drilling options available and can be used for mineral, geotechnical, geothermal and water well drilling. The Multitec 6000 is a truly capable and affordable multi-purpose drilling rig.



Made in England  
since 1867

# Dando Multitec 6000

## Drilling Rig Specification

<b>Carrier Options</b>	Crawler mounted is standard (with a choice of rubber or steel track) but can also be supplied on: Heavy duty commercial 4 x 4 truck - Trailer mounted - Skid - Mounted on customer own support vehicle/structure		
<b>Deck Engine</b>	Standard fitting: VM Sun 102 HP diesel engine standard		
<b>Mast Dimensions</b>	Working mast height using main winch: 5500mm	Working mast using the rotary head: 3600mm	Mast dump to 45°
<b>Head Traverse</b>	<b>Hoist</b> = 6m/m (20ft/min) <b>Feed</b> = 20.25m/min (66ft/min)	<b>Rapid Hoist</b> = 26m/min (85.5ft/min) <b>Rapid Feed</b> = 36.5m/min (120ft/min)	
<b>Rig Capacity</b>	Pullback: 6000kgs	Pulldown: 3250kgs	Hook load (max): 6000kgs
<b>Rotary Head Performance</b>	Standard Other options available Rotary head tilt and side shift	Rotation (max) 436rpm	Torque (max) 6000Nm
<b>Drill Table and Break Out System</b>	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
<b>Main Winch</b>	Maximum single line pull: 2040kgs	Maximum speed: 41m/minute	Drum capacity: 57m of 10mm wire rope
<b>Wireline Winch (Optional)</b>	Maximum single line pull: 1000kgs	Maximum speed: 120m/minute	Drum capacity: 650m of 6mm wire rope
<b>Foam Pump</b>	Standard: Hydraulically driven duplex pump Other options available	Maximum flow rate: 34 litres/minute Maximum discharge pressure: 750psi	
<b>Inline Oil Lubricator</b>	Fitted as standard and used when operating a DTH hammer		
<b>Hydraulic System</b>	Hydraulic power circuit based on load sensing hydraulic pumps and proportional control valves		
<b>Drillers Control Panel</b>	Uncomplicated and user friendly with ergonomic layout mounted on a swing out arm		
<b>Rod Spin Safety Guard</b>	Fitted as standard		
<b>Levelling Jacks</b>	Two front and two rear jacks with individual locking valves		
<b>Lighting and Electrical System</b>	Rig is provided with mast and control panel lighting and the electrical system is 12 volt		
<b>Drilling Capacities*</b>	4" RC (25kgs/m) drill rod = 190m 3 1/2" (13.5kgs/m) drill rod = 356m HQ (11.6kgs/m) drill rod = 410m NQ (8.0kgs/m) drill rod = 600m		
<b>Optional Equipment</b>	<b>RC Drilling Conversion Kit</b> - For reverse circulation drilling applications <b>Heavy Duty Winch</b> - Hoisting capacity 6000kg single line pull <b>Drill Rod Rack</b> - Mounted on carrier if truck or trailer <b>Duplex 5" x 6" Mud Pump</b> - When the rig is mounted on a truck or trailer <b>Hydraulic Foot Clamp</b> - Jaws to suit BQ up to PQ wireline drill rods. Break out system is a double acting hydraulic cylinder with adjustable wrench <b>SPT swing in hammer attachment</b> - 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 <b>Mast extension</b> - A detachable mast section that can be fitted to allow the pulling of 6m drill rods. Other options available on request		
<b>Working Dimensions</b>	Height: 6174 mm Length: 4106mm Width: (Jacks folded out for working) 2195mm (Jacks folded in for tracking) 1410mm		



\* 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.

Dando Drilling International Limited  
 www.dando.co.uk  
 info@dando.co.uk  
 tel: +44 (0)1903 731312  
 fax: +44 (0)1903 730305