Dando Drilling International

Dando Multitec 9000

A high performance, multipurpose drilling rig with 9000kgf pullback, ideal for water, mineral exploration, geotechnical investigation, core drilling and GSHP drilling applications. The track mounted machine’s compact and lightweight design allows it to operate in tight spaces with limited access.
# Drilling Rig Specification

## Carrier Options
- Crawler mounted is standard (with various track options available) but 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: VM Sun 102 HP diesel engine standard

## Mast Dimensions
- Working mast height using main winch: 5500mm
- Working mast using the rotary head: 3600mm
- 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: 9000kgf
- Pulldown: 3250kgf
- Hook load (max): 6000kgf

## Rotary Head Performance
- Standard
- Rotation (max) 436rpm
- Torque (max) 6000Nm
- Option 1
- Rotation (max) 750/800rpm
- Torque (max) 4000Nm
- Other options available

## 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: 2040kg
- Maximum speed: 41m/minute
- Drum capacity: 57m of 10mm wire rope

## Wireline Winch (Optional)
- Maximum single line pull: 1000kg
- Maximum speed: 120m/minute
- Drum capacity: 650m of 8mm wire rope

## Foam Pump
- Standard: Hydraulically driven duplex pump
- Maximum flow rate: 34 litres/minute
- Maximum discharge pressure: 750psi
- Other options available

## 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

## Driller’s Control Panel
- Uncomplicated and user friendly with ergonomic layout mounted on a swing out arm

## Rod Spin Safety Guard
- Fitted as standard

## 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 system

## Drilling Capacities*
- 4” RC (25kg/m) drill rod = 288m
- 31/2” (13.5kg/m) drill rod = 533m
- HQ (11.6kg/m) drill rod = 620m
- NQ (8.0kg/m) drill rod = 900m

## Optional Equipment
- **RC Drilling Conversion Kit** - For reverse circulation drilling applications
- **Heavy Duty Winch** - Hoisting capacity 6000kg single line pull
- **Drill Rod Rack** - Mounted on carrier if truck or trailer
- **Duplex 5" x 8" Mud Pump** - When the rig is mounted on a truck or trailer
- **Hydraulic Foot Clamp** - Jaws to suit BO up to PQ wireline drill rods. Break out system is a double acting hydraulic cylinder with adjustable wrench
- **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
- **Mast extension** - A detachable and foldable mast section that can be fitted to allow the pulling of 6m drill rods.
  - **Track options**: Option 1=Triple grouser. Option 2=Single grouser. Option 3=Rubber plate

## Working Dimensions
- Length: 5000mm
- Width: (working) 2200mm (travelling) 1420mm

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

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