



Dando Drilling International



track
mounted



mineral
exploration



truck
mounted

Dando Mintec 18

The Dando Mintec 18 is a multipurpose mineral exploration drilling rig capable of a wide range of drilling techniques including RAB, deep wire line coring and reverse circulation. Also available in a compact version with smaller tracks and no compressor.

- High speed/high torque rotary head
- High pressure air/water swivel
- RC and RAB compatible
- Main winch for handling tools/casing
- Wireline winch
- Mast dump and angle drilling
- Hydraulic rod clamps
- Onboard coring pump



Made in England
since 1867

Mintec 18 Rotary Drill Rig

Drilling Rig Specification

Carrier Options	Crawler mounted is standard but can also be supplied on: Heavy duty commercial 6 x 6 truck - Trailer mounted - Mounted on customer own support vehicle/structure/skid		
Deck Engine	Caterpillar C15 540 HP diesel engine standard, other options available		
Mast Dimensions	Working mast height using main winch: 9140mm	Working mast using the rotary head: 7600mm	Mast dump to 45°
Head Traverse	Hoist = 2.6m/m (8.5ft/min) Feed = 1.9m/min (6.25ft/min)	Rapid Hoist = 15.25m/min (50ft/min) Rapid Feed = 10.75m/min (35.3ft/min)	
Rig Capacity	Pullback: 18000kgs	Pulldown: 14000kgs	Hook load (max): 18000kgs
Rotary Head Performance	Option 1 Option 2	Rotation (max) 750rpm Rotation (max) 1250rpm	Torque (max) 12050Nm Torque (max) 13000Nm
Drill Table and Break Out System	As standard - Hydraulic foot clamp with jaws to suit BQ up to PQ wireline drill rods. Break out system is a double acting hydraulic cylinder with adjustable wrench		Other options available
Standard Compressor	Ingersoll Rand XHP 900 (900CFM/350psi)		Other options available
Main Winch fitted to top of mast	Maximum single line pull: 18000kgs	Maximum speed: 68m/minute	Drum capacity: 45m of 22mm wire rope
Wireline Winch	Maximum single line pull: 1000kgs	Maximum speed: 185m/minute	Drum capacity: 2000m of 6mm wire rope
Coring Pump	Standard: Hydraulically driven triplex pump	Maximum flow rate: 200 litres/minute Maximum discharge pressure: 1000psi	
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		
Drillers Control Panel	Uncomplicated and user friendly with ergonomic layout (swing 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 24 volt		
Drilling Capacities*	4" RC (25kgs/m) drill rod = 576m PQ (15.33kgs/m) drill rod = 900m HQ (11.6kgs/m) drill rod = 1200m NQ (8.0kgs/m) drill rod = 1800m		
Optional Equipment	RC Drilling Conversion Kit - For reverse circulation drilling applications Pipe Handling Boom Crane - For loading and unloading drill pipe and light site work Rod Spinner - Chuck type floating rod spinner with adjustable torque control and side swing in mounting Double Acting Hydraulic Make Up and Break Out Clamp - With minimum clamping diameter of 60mm and a maximum of 250mm Drill Rod Rack - Mounted on carrier Other options available on request		



* 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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