



# Dando Drilling International

## Dando Mintec 12.8

A medium sized multipurpose mineral exploration drilling rig capable of deep wireline coring, Reverse Circulation (RC) and Rotary Air Blast (RAB) drilling. Also available in a compact version with smaller tracks and no compressor or a heavy duty version with an increased pullback of 16000kgf

- 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



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## Drilling Rig Specification

<b>Carrier Options</b>	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		
<b>Deck Engine</b>	Caterpillar C15 540 HP diesel engine standard, other options available		
<b>Mast Dimensions</b>	Working mast height using main winch: 9140mm	Working mast stroke using the rotary head: 7600mm	Mast dump to 45°
<b>Head Traverse</b>	Hoist = 24.4m/min (80ft/min)	Rapid Hoist = 45.7m/min (150ft/min)	
	Feed = 17.4m/min (57ft/min)	Rapid Feed = 30.5m/min (100ft/min)	
<b>Mast Capacity (Standard version)</b>	Pullback: 12800kgf	Pulldown: 7500kgf	Hook load (max): 12800kgf
<b>Mast Capacity-Mintec 12.8 HD (Heavy Duty version)</b>	Pullback: 16000kgf	Pulldown: 7500kgf	Hook load (max): 16000kgf
<b>Rotary Head Performance</b>	Option 1	Rotation (max) 750rpm	Torque (max) 12050Nm
	Option 2	Rotation (max) 1250rpm	Torque (max) 13000Nm
	Rotary head tilt and side shift		
<b>Drill Table and Break Out System</b>	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	
<b>Standard Compressor</b>	Ingersoll Rand XHP 900 (900CFM/350psi)	Other options available	
<b>Main Winch</b>	Maximum single line pull: 7800kgf		
<b>Wireline Winch</b>	Maximum single line pull: 1000kgf	Maximum speed: 185m/minute	Drum capacity: 1600m of 6mm wire rope
<b>Coring Pump</b>	Standard: Hydraulically driven triplex pump	Maximum flow rate: 200 litres/minute	
		Maximum discharge pressure: 1000psi	
<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 (swing out arm mounting optional)		
<b>Rod Spin Safety Guard</b>	Various options available		
<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. Electrical system is 24 volt		
<b>Drilling Capacities*</b>	4" RC (25kg/m) drill rod = 410m		
	PQ (15.33kg/m) drill rod = 660m		
	HQ (11.6kg/m) drill rod = 890m		
	NQ (8.0kg/m) drill rod = 1280m		
<b>Optional Equipment</b>	<b>RC Drilling Conversion Kit</b> - For reverse circulation drilling applications		
	<b>Main Winch Fitted to Top of Mast</b> - Maximum single line pull= 7800kgf; Maximum speed= 80m/minute; Drum capacity= 30m of 22mm wire rope		
	<b>Pipe Handling Boom Crane</b> - For loading and unloading drill pipe and light site work		
	<b>Rod Spinner</b> - Chuck type floating rod spinner with adjustable torque control and side swing in mounting		
	<b>Double Acting Hydraulic Make Up and Break Out Clamp</b> - With minimum clamping diameter of 60mm and a maximum of 250mm		
	<b>Drill Rod Rack</b> - 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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