



DANDO

JACKAL 9000

Occupying a small footprint, this compact yet powerful medium-depth drilling rig allows the user to carry out a wide range of drilling techniques in areas of difficult terrain and limited space.



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

CAT C4.4 140hp or C7.1 225hp diesel engine. Other options available

Mast Dimensions

Working mast height using main winch: 5500mm; 7500mm (using mast extension)	Working mast using the rotary head: 3700mm	Mast dump to 45°
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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
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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
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Main Winch

Maximum single line pull: 3200kgf	Maximum speed: 41m/minute	Drum capacity: 65m of 13mm wire rope
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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
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Coring Pump

FMC hydraulically driven triplex pump	Maximum flow rate: 146 litres/minute
	Maximum discharge pressure: 700psi

Other options available

Inline Oil Lubricator

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*

4" RC (25kgs/m) drill rod= 400m

3 1/2" (13.5kgs/m) drill rod = 740m

H wireline (11.6kgs/m) drill rod = 862m

N wireline (8.0kgs/m) drill rod = 1250m

Optional Equipment

RC Drilling Conversion Kit - For reverse circulation drilling applications

Heavy Duty Winch - Hoisting capacity of 6000kg single line pull

Drill Rod Rack

Duplex 5" x 6" Mud Pump - When the rig is mounted on a truck or trailer

Hydraulic Foot Clamp - Jaws to suit BQ 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: 50kg / 63.5kg

Dando 3D System- Designed for taking soft ground undisturbed samples while advancing the casing at the same time.

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

Working Dimensions

Length: 5000mm

Width: (working) 2200mm (travelling) 1420mm



Capable of performing various drilling techniques including RC, RAB, conventional mud, auger, diamond wireline coring, SPT, geothermal heat pump drilling and more.



4 speed rotary head mounted to a hydraulic side shift with optional floating spindle. Hydraulic head tilt available. Various head options.



Various mounting options available including tracks for when encountering rough, muddy terrain or 4 x 4 truck for quick mobilisation between sites of long distance. Trailer mounted is also an option.

