



Drilltechniques Australian
Made Drilling Rigs

Multi-Purpose Drilling Rig

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NEW!

Under Construction: The D3SP

The D3SP is our first mini-drill rig with an onboard power pack - the Caterpillar C1.1

This mighty little machine has 3 tonnes of pull back and feed force

Its rotary can core, drive augers and you can even add a hammer for push tubes

It's compact and unique design make it perfect for geotechnical investigations in low headroom and tight spaces

Height (with mast stored): 2,125mm

Width: 800mm

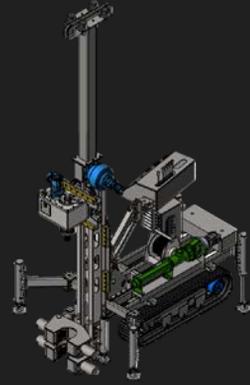
Length: 2,950mm



The prototype of this rig is almost complete and we hope to have it on display at the [ADIA Drill 2017, Novotel Twin Waters 11th and 12th October 2017.](#)

Options include clamps, safety cage and complete with radio remote control for all functions including tramming, set-up and drilling.

Applications



Gallery Rig

This version is designed to be broken into small components that can be carried into the dam gallery by hand.

The machine can be powered by either electric or diesel power pack.



Heli-Portable

This version is also designed to be broken down into smaller components that can be transported by helicopter into remote areas.

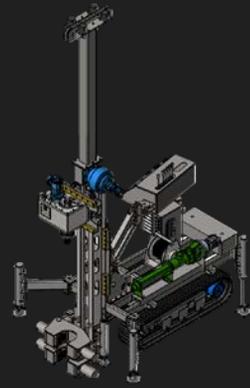
The heaviest component of the rig and power pack weighs less than 900kgs



Track Base

Another popular version of this compact yet powerful machine. The track base like all other components are manufactured by Drilltechniques. And comes with an auxillary power pack

The entire rig can be operated by radio remote control



Example Specifications

(We can custom build to suit your needs)

Drilltechniques manufacture a range of light and powerful modular hydraulic drill unit. The rigs can be mounted on scaffolds, crawlers, skid frames or other special supports and can utilize 2" to 4" D.T.H. Hammers, augers, and coring equipment. Basic unit information can be found in the following tables.

Power Pack	
Diesel Engine	KUBOTA V2203 (12 V Electric circuit)
Engine Power	33 kW (44 HP) @ 3000rpm
Main Pump	90 l/min
Oil Tank	160 l
Fuel Tank	40 l
Diesel Engine	KUBOTA V2203 (12 V Electric circuit)
Mast	
Feed Stroke	1200 - 1900mm
Total Length	2250 - 2950 mm
Nominal Feed Force	3500 kg
Nominal Retract Force	3500 kg
Rotary Head	
Gears	4
Max Torque	2062/750/330/120 Nm
Max Speed	85/162/537/1000 rpm
Clamp and Breaker Combination	
Clamping Range	40 - 170 mm
Clamping Force	130 kN @ 180 Bar
Breaking Torque	1000 dNm
Options & Accessories	
Water/Mud Pump	Spindle Kit
Hydraulic Winch	Radio Remote Control
Double/Single Clamps	Low profile SPT Hammer
Air - Water Swivel (Top Mounted)	Mast extensions (winching)