

# DR1200

## Technical Specifications

### Drill Mast

- 9.8M Pull Capacity with main winch
- Drill angles from vertical to 45 deg
- 7.2M traverse stroke

### Dump Mast

- 1600mm

### Diesel Engine

- Cummins QSL9
- 305 horsepower @ 1900 rpm – 243kW
- Rotation Head
- McCulloch design two-speed top head drive
- High – Low manual gear change
- Stepless speed control:
  - 10-200 low speed
  - 200-1200 high speed
- Floating spindle design, splined drive
- Oil Jet lubricated gears & bearings
- Air blast oil cooler & filter fitted to mast to suit 3 ½" APT spindle RPM indicator

### Rotation Output

- 11000 Nm @ 10-100rpm
- 1000 Nm @ 1200rpm

### Head Traverse

- Hydraulic Cylinder over ropes 2:1 ratio
- Max Speed 28m/min upwards
- Max Speed 32m/min downwards
- Hydraulic rotation head sideways racking
- Feed System
  - 113kN (11.5T) Push down
  - 239kN (24T) Pull back

### Main Winch

- Mast top mounted single line pull
- Max pull 22T
- Max speed 128m/min
- Load sense hydraulic motor allows max speed
- Failsafe brake mechanism (spring applied)
- Depth Capacity (ground conditions depending)
  - 3200m NWL
  - 2250m HWL
  - 1450m PWL

### Main Winch Travel Limiter

- Stops hoist at an adjustable set point
- Slows hoist speed above that set point
- Stops hoist plug being pulled onto drum
- Control Cabinet
- Separated main control levers with deadman safety interlocks
- Digital engine & rig telemetry readout: feed rate, head traverse travel distance, rotation pressure, pump flow, rotation rpm, engine temp, engine horsepower etc

### Electrical

- All electrical IP67 rated
- Water Pump
- FMC Bean W112BCD
- Water 140L/min @ 70Bar
- Adjustable speed control
- Flow displayed on digital readout
- Cameron gauge for pressure readout

### Rod Breakout

- Hydraulic operated cylinder
- Rod Clamp & Slips
- Hydraulically operated, self-energising rod clamp
- Easy removable jaws by customer
- Common jaws from 44.5 to 177.8mm
- Suits drop-in slips table for rod clamp
- 224mm rod clamp opening
- 380mm mast foot bottom opening

### Wireline Winch

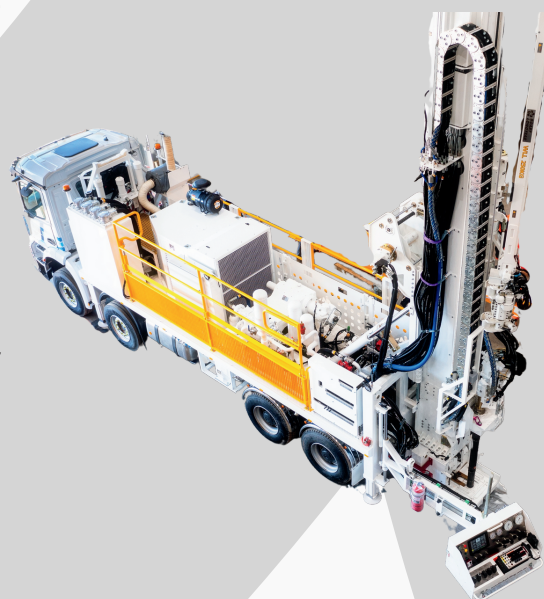
- Capacity of 3300m of 6mm wire rope
- 8mm cable also available
- Max pull 25.0 kN (bare drum)
- Rod Handling Boom
- Hydraulically operated variable boom
- Swivels & folds to offside
- Winch interlock optional
- Handles all mast angles 45 to 90 deg
- Rated capacity 250Kg SWL

### Rod Spin Guard

- Cages off rotating rods from operator
- Hydraulic interlocked with rotation head
- Reduces speed to <100RPM when open

### Optional Extras

- Rod Rack (hydraulic extending) 36x6mx114OD pipe
- KWL Rod Handler (Wireless remote control)
- Safe-T-Spin Rod Spinner
- Superfoot make/break
- 1250/350 onboard compressor
- M16/M18 FMC High flow/press mud pump, hydraulic drive
- G&D 5x6 Mud pumps, hydraulic drive
- Wireless remote for operator drilling functions
- Data logging/mobile GSM real time drilling parameters
- Sound suppression of compressor and rig engine 84db @ 3m
- Available truck mounted on a number of 8x8 & 8x4 trucks
- Also available on tracks
- High flow remote oil cooler
- Slips tables with Hydraulic spanner
- High volume water/mud/air delivery system
- Operator panel – arm allowing the operator to choose where they operate the machine from, allowing for separation of up to 3m from the drill string
- Custom modifications
- RC kit



# CONTACT

Phone: +61 3 5445 900

Website: [mccullochsdrilling.com.au](http://mccullochsdrilling.com.au)

Email: [sales@mccullochs.com.au](mailto:sales@mccullochs.com.au)

Address: 205 Midland Hwy, Epsom, VIC, 3551



# McCULLOCHS

DRILLING & BORING

## DR1200

BUILT TOUGH FOR  
AUSTRALIAN CONDITIONS

[mccullochsdrilling.com.au](http://mccullochsdrilling.com.au) | [sales@mccullochs.com.au](mailto:sales@mccullochs.com.au) | +61 3 5445 6900

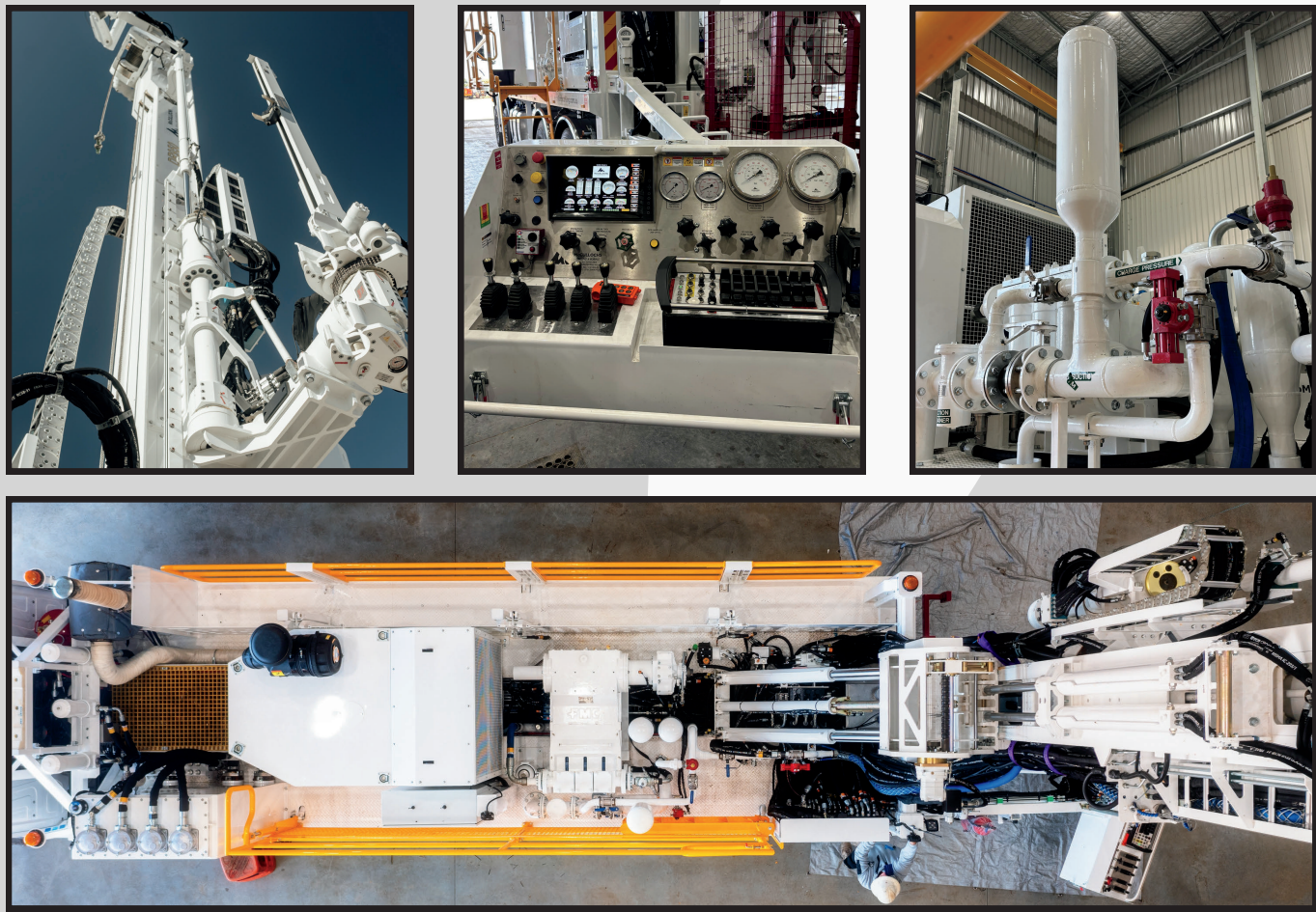
The specifications listed are based on optimal performance. Actual conditions in the field may affect performance.



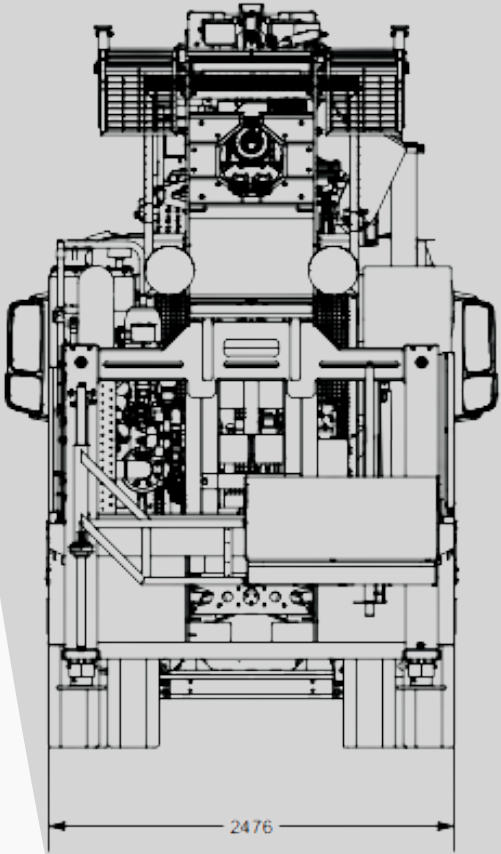
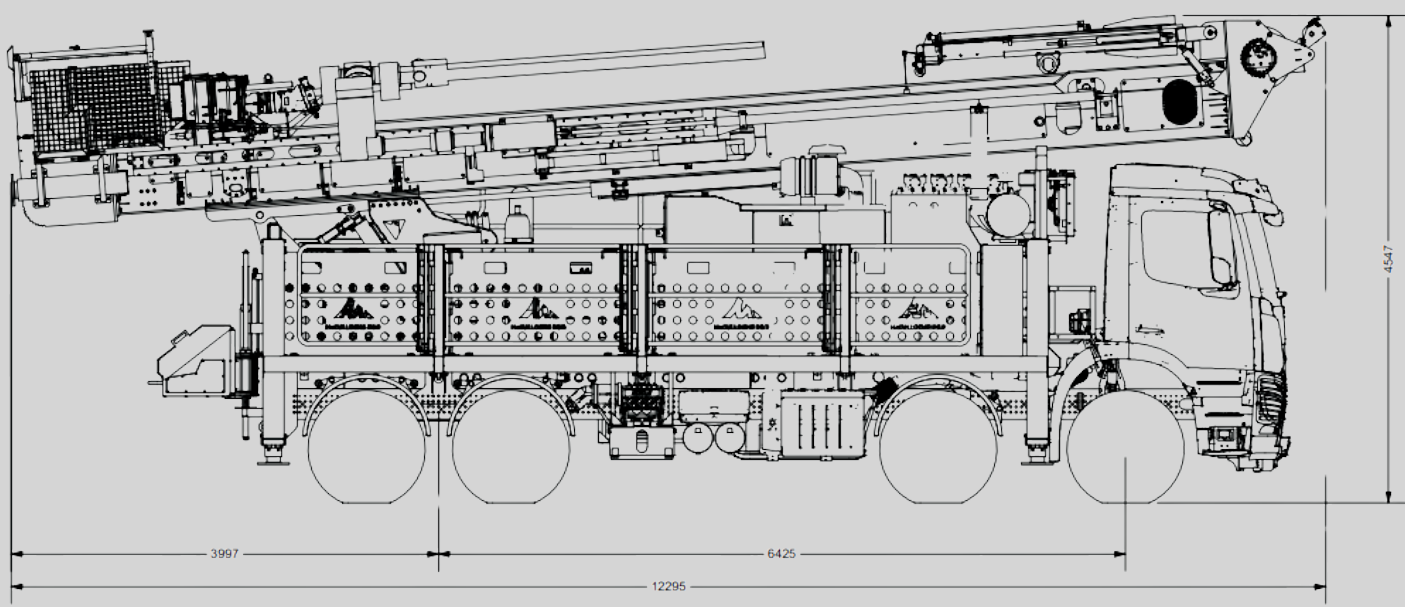
# PRODUCT OVERVIEW

The DR1200 was designed to meet the markets demand for deeper drilling in both the Mineral and Waterwell sectors. Australian designed and built to last with safety, productivity and efficiency being our key focus.

The DR1200 has many custom options and we are happy to discuss all of your own custom ideas and bring them to life.



# TECHNICAL DRAWINGS



*\*\*Subject to final custom design*

**24T PULLBACK | 22T MAIN WINCH**  
**3200 NWL | 2250 HWL | 1450 PWL**

