

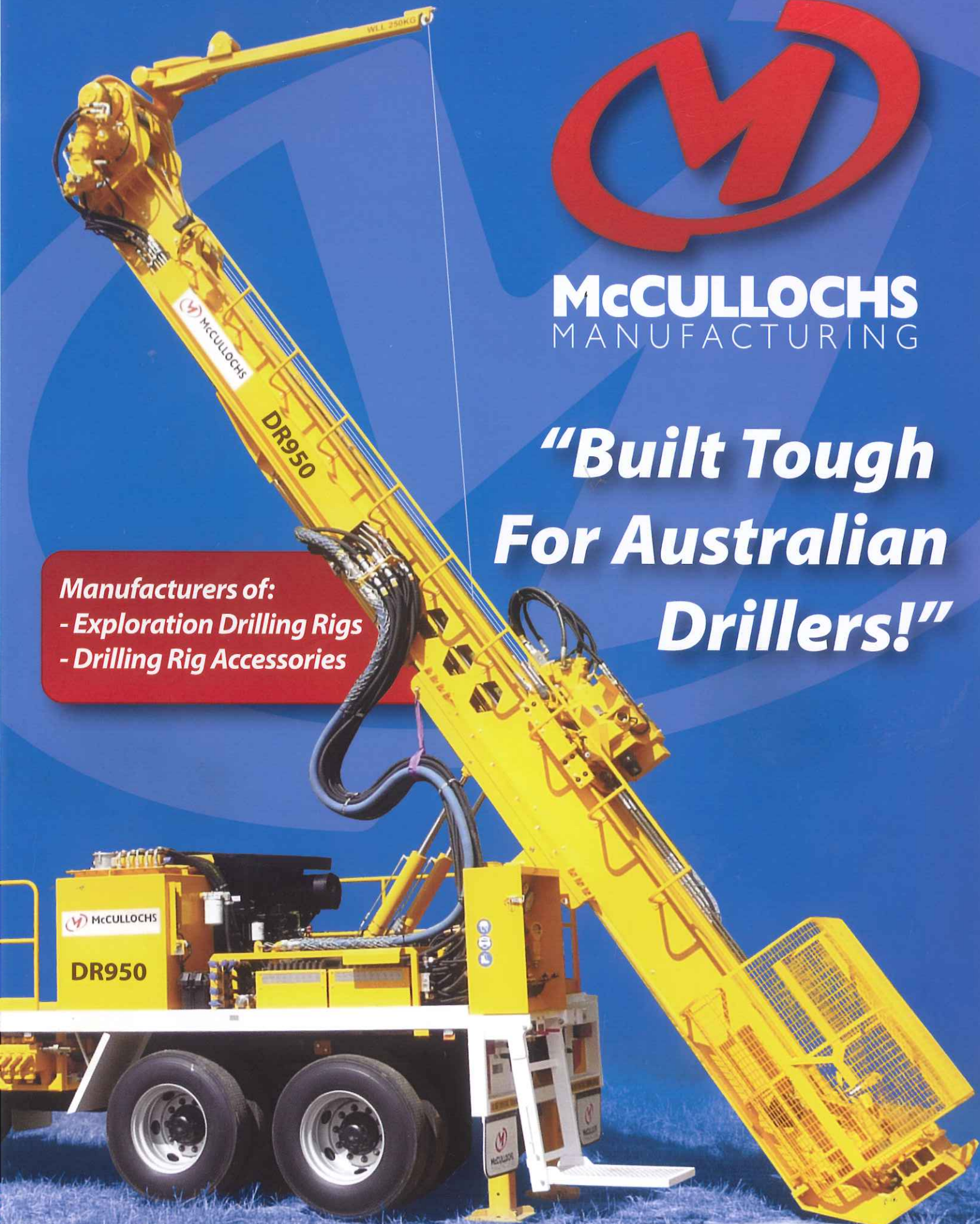


**McCULLOCHS**  
MANUFACTURING

**“Built Tough  
For Australian  
Drillers!”**

**Manufacturers of:**

- Exploration Drilling Rigs
- Drilling Rig Accessories



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**DR950 SPECIFICATION SHEET**

<b>Drill Mast</b>	9.8 mtr pull capacity with main winch Drill angles from vertical to 45 Deg 7.2 mtr traverse stroke
<b>Dump Mast</b>	1600mm
<b>Diesel Engine</b>	Cummins QSB 6.7 220hp @ 2200 RPM
<b>Rotation Head</b>	McCulloch design two speed top head drive. High - Low manual gear change Stepless speed control 3 - 360 Low Speed 360-1400 High Speed Floating Spindle design, splined drive Oil Jet lubricated gears & bearings Airblast oil cooler & filter fitted to mast To suit 4 1/2" rods- 3 1/2" API spindle
<b>Rotation output</b>	5100 Nm @ 3 - 100 rpm 510Nm @ 1000 rpm 364 Nm @ 1400 rpm
<b>Head Traverses</b>	Hydraulic Cylinder over ropes 2:1 ratio Max Speed 50.0 m/min upwards Max Speed 30.0 m/min downwards Hydraulic rotation head sideways racking
<b>Feed System</b>	45 kN Push down 120 kN (12 Tonnes) Pull back
<b>Main Hoist</b>	Mast top mounted single line pull Max pull 10.0kN Max (10 Tonnes) Max speed 90 m/min Failsafe Brake (spring applied) Load sense hyd motor allows max speed Failsafe brake mechanism (spring applied)
<b>Main Hoist Travel Limiter</b>	Stops hoist at an adjustable set point Slows hoist speed above that set point Stops hoist plug being pulled onto drum
<b>Control panel</b>	control panel moves out 1 meter for angle holes
<b>Drilling Depths</b>	
<b>NQ</b>	1000m in normal drilling conditions
<b>HQ</b>	600m in normal drilling conditions
<b>PO</b>	500m in normal drilling conditions
<b>4" mud rotary</b>	550m in normal drilling conditions

<b>Water Pump</b>	FMC Bean 535 Water 140 Ltrs/ Min @ 70 Bar Adjustable speed control Flow meter
<b>Rod Breakout</b>	Hydraulic operated RAPSPAN
<b>Rod Clamp &amp; Slips</b>	Hyd 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 381mm mast foot bottom opening
<b>Wireline Winch</b>	Capacity of 1300m of 6mm wire rope Max pull 8.0 kN (bare drum) Max Speed 220m/ min full drum Adjustable maximum speed control Archimedes Screw Cable Layer
<b>Hydraulics</b>	Highest Quality Hyd Pumps & Motors 1 x closed & 2 x open loop hyd circuits 10 micron beta return filters Hi-Flow hoses & control valves High pressure pump filtration High flow oil cooler on engine radiator
<b>Rod Handling Boom</b>	Hydraulically operated variable boom Swivels & folds to offside Handles all mast angles 45 to 90 Deg Rated capacity 250 Kg SWL Pull Master hydraulic winch on boom
<b>Rod Spin Guard</b>	Cages off rotating rods from operator Hydraulic interlocked with rotation head Reduces speed to <100 RPM when open
<b>Optional Extras</b>	Rod Rack (Hydraulic Extending) Acoustic Engine Cabinet Rod Handler Special Hydraulic Needs.



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