**Drillmaster 150 Blockhole** is a robust, compact, effective remote controlled secondary drilling jumbo designed for reliable performance in demanding underground applications.

The productive, safe, and reliable Drillmaster 150 Blockhole is a fully mechanized blockhole drill rig designed to protect workers and equipment by removing oversize and blockages with fully remote tramming, drilling and blasting capabilities. Designed for underground mining and tunneling operations, the robust, reliable four-wheel drive, articulated Drillmaster 150 Blockhole consists of a power-shift transmission powered by a choice of diesel engines connected to heavy-duty Dana axles. The rugged frame and articulated carrier make the Drillmaster 150 Blockhole a very durable and extremely maneuverable unit even in the tightest situations.

**FEATURES:**

- Fully remote control with video
- Electric-hydraulic or optional diesel-hydraulic
- Variety of engines to suit requirements
- Montabert rock drills with hydraulic dampening system for optimal consumable life
- Front telescopic stabilizers with side extension ensure stability during platform deployment
- Heavy-duty, 2, 3, or 4 stage boom and feed provide excellent pattern coverage and require fewer setups
## SPECIFICATIONS:

### ROCK DRILL - DRILLING

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Model</td>
<td>Montabert HC 50</td>
<td>Percussion flow</td>
<td>105 l/min (27.7 gal/min)</td>
</tr>
<tr>
<td>Percussion pressure</td>
<td>130 bar (1900 psi)</td>
<td>Frequency</td>
<td>62 Hz</td>
</tr>
<tr>
<td>Energy per blow</td>
<td>210 joules (155 ft-lbs)</td>
<td>Percussion power</td>
<td>13 kW (17.4 hp)</td>
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<tr>
<td>Rotation flow</td>
<td>15-35 l/min (4-9.2 gal/min)</td>
<td>Rotation pressure</td>
<td>150 bar (2200 psi)</td>
</tr>
<tr>
<td>Rotation torque</td>
<td>325-415 Nm (240-415 ft-lbs)</td>
<td>Rotation speed</td>
<td>105-195 rpm</td>
</tr>
<tr>
<td>Weight</td>
<td>102 kg (225 lbs)</td>
<td></td>
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</tr>
</tbody>
</table>

### ENGINE

- Cat® C4.4 ACERT, inline 4, 4 stroke cycle, diesel
- U.S. EPA Tier 3, EU Stage III A
- Power rating @ 2200 rpm: 66-129 kW/88-174hp
- Compression ratio: 16.5:1
- Displacement: 4.4 L (268.5 in³)
- Exhaust: catalytic purifier with silencer
- Fuel tank(s) volume: 83 L, 155 L

### TRANSMISSION

- Dana powershift, 20000 series
- 3 speeds forward and reverse
- 4 wheel drive

### AXLES

- Dana 113, planetary type
- Oscillation (rear axle): ± 7°

### BRAKES

- Service: wet disc (integrated), internal SAHR
- Emergency & parking: SAHR

### TIRES

- Mine type, 10.00 x 20

### CONTROL SYSTEM

- **ACCU-DRILL** direct hydraulic control system
- Anti-jamming function, semi-automatic collaring

### STEERING

- Hydraulic, articulated
- Steering angle: ± 38°

### HYDRAULICS

- Steering and boom: 170 bar, 190 L/min/2200 rpm
- Hydraulic oil tank volume: 225 L

### ELECTRICAL SYSTEM

- 24 V
- Battery: 2 x 12 VDC
- Tramming/working LED lights: 4 front / 4 rear
- Brake lights
- Horn & reverse alarm

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**DM150 BLOCKHOLE**

SECONDARY DRILLING RIG

Page 2 of 4
OPTIONAL EQUIPMENT

Various engine makes/models
Battery electric powertrain
Automatic centralized lubrication system
Diesel or electric driven hydraulics
Fast fill system
Cold weather package
Strobe light
Various slide/feed options/lengths
Camera system
Solid or foam filled tires
Wheel chocks
Voltage to suit requirements
Water hose reel
24 V hydraulic oil transfer pump
Other options available upon request

Various rock drills
Hydraulically driven air compressor
Radio remote control
ROPS/FOPS approved enclosed cabin
Driver door interlock
ANSUL Checkfire fire suppression system
Power pack
Cable reel
Exhaust system wrap
Air ride seating (operator)
Remote brake release for towing
Rock drill lubrication warning kit
Air mist system
Hydraulically driven water pump
<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th>mm</th>
<th>inches</th>
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<tbody>
<tr>
<td>Width</td>
<td>1829</td>
<td>72</td>
</tr>
<tr>
<td>Height – canopy lowered</td>
<td>2337</td>
<td>92</td>
</tr>
<tr>
<td>Height – boom extended</td>
<td>5367</td>
<td>211</td>
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<tr>
<td>Length</td>
<td>10460</td>
<td>412</td>
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</table>

<table>
<thead>
<tr>
<th>CONT'D</th>
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<tbody>
<tr>
<td>Ground clearance</td>
<td>336</td>
<td>13</td>
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<tr>
<td>Inside turning radius</td>
<td>2743</td>
<td>108</td>
</tr>
<tr>
<td>Outside turning radius</td>
<td>5029</td>
<td>198</td>
</tr>
</tbody>
</table>

*Dimensions shown are of Drillmaster 150 Blockhole with standard options, a 2 stage boom and 10.00 x 20 tires. Alternate configurations may affect dimensions.