

# TECHNICAL SPECIFICATIONS

## DR025 – LS 250 Sonic / Diamond Drill Rig



### Carrier

Track Crawler

### Motor

Cummins

### Build Date

2016

### Rig Dimensions

Base length:	5.60	m
Base width:	2.20	m
Height Mast Down:	2.80	m
Height Mast Up:	7.20	m
Weight:	10,800	kg

### Standard Features

Max Feed Force:	182	kN
Sonic Frequency Range:	0-75	Hz
Max Rod Pull:	3.00	m
Rotation Speed (Sonic):	0-80	RPM
Rotation Speed (Diamond):	0-1000	RPM
Head Side Tilt:	0-28	Degrees
Max Torque:	2,400	Nm
Drill Angle	45-90	Degrees

### Maximum Practical Depth

Drilling Depth:	61	m
<i>(4" Core / 6" Casing)</i>		
Max. Drilling Dia	305	mm
Pull Back	55	kN
Down Force:	34	kN

### Mud Pump

Main Pump (Primary):	FMC W011
Grout Pump (Secondary)	160lpm @16 bar



### Features

- Dual Drill head configuration. Drill rig capable of conducting Sonic, Rotary Air, Rotary Mud, Auger and Diamond Drilling operations.
- Interlocked rotation barrier – rotation slows when open for enhanced safety.
- Compact footprint – fits in shipping container for easy transport and perfect for smaller drill pads or hard to access sites.
- Integrated rod presenter allows the casing to be loaded horizontally for enhanced safety.
- Automatic SPT Hammer
- Automatic Foot clamp / Breakout System
- Wide track mounted for low ground pressure (.28 bar/4 psi) – perfect for increased accessibility in the most sensitive terrains.
- Dual winch and wireline systems.

