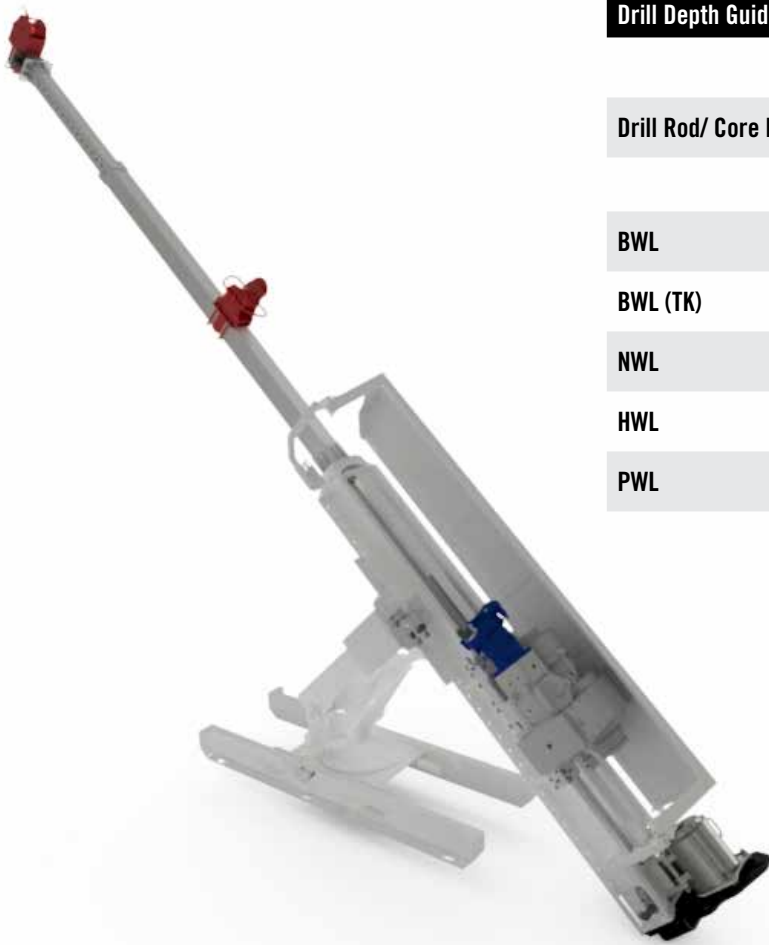




1500S SERIES MAST

Features and Specifications

- Feed Cylinder Stroke : 1.8m/6ft (1.0m option)
- Choice of “H” or “P” size rotation and rod clamp
- Rod Guard with Interlock
- Telescopic Mast Extensions for Wireline Sheaves
- Compact Wireline: 1500m



Feed Frame 1500 w/ Double Acting Feed Cylinder (U/G)

	Metric	U.S.
Feed Stroke	1.8m	72in
Max.Push Force	17,005Kg@34,474kPa	37,49lb@5000psi 23,623lb@4500psi
Max.Pull Force	17,005Kg@34,474kPa	37,490lb@5000psi

Drill Depth Guidelines

Drill Rod/ Core Barrel	Hole Depth		Hole Depths	
	Metric (m)		U.S. (ft)	
	Up	Down	Up	Down
BWL	1000	>3000	3200	>9800
BWL (TK)	1000	>3000	3200	>99800
NWL	700	2300	2200	7500
HWL	350	1100	1100	3300
PWL	200	650	650	3500



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— UNDERGROUND POWER PACK —

Dimension and Weight

- Size: 46" W x 46" H x 104" L / 116cm W x 116 cm H x 264 cm L
- Weight: <1700lbs / 770 Kg wet including motor group

Options

- Data Logging
- COMING SOON: Telematic Communication System
- Winch Assembly Options
- Extra Valve Section for Auxiliary
- Functions (EG: Mud Mixer)
- Helper override safety option
- Fire Suppression System
- Hydraulic Powered Heat Exchanger

System Features

- Electric Motor: 100-200 hp / 75-150 kW 50-60Hz / 380-575 V premium Efficiency
- Pump Drive: Twin Disc (side by side arrangement)
- Hydraulic Pumps: 2x HAWE V60 130cc Load Sensed rated (1 set@5000 psi/435 bar, 1 set @ 3000 psi/ 207 bar)
 - Note: Drilling Function Operates at 4750 psi/ 325bar (factory set) and can be increased to 5000psi/345bar
- HAWE 24 Volt (PLC Operated) proportional valve system using minimal hydraulic lines, reducing possible chances of leaks and spills, and providing significant increase in the system efficiency
- Triple Filtration System: 3 x Pressure Filter, 1 x Return filter (5 micron) with clog detection sensors plus 3 Magnetic Filtration system on the draincase lines for a total of 7 filters
- Hydraulic Tank Capacity: 22 imp. Gal. / 90 litre with oil temperature and level sensors
- Air Cooled DC Heat Exchanger: with Variable Speed Brushless Motors (to help reduce water consumption top of a minimum) with Temperature Switch for ensuring constant optimal oil temperatures
- Additional gear pump provides direct cooling of both pumps and system
- Electric Panel: CSA / QAI certified





CONTROL PANEL

Features and Specifications

- Synchro / Manual Option (std)
- Rotation Speed Joystick with Speed Adjust Trigger Switch for manual Chuck option (c/w Gimball Mount)
- Feed Cylinder Joystick with Trigger Switch for manual Rod Clamp option (c/w Gimball Mount)
- Wireline Joystick
- Winch Joystick
- Adjustable Feed Pressure, Hold Back, and Water Pump Control
- Comes with “High Pressure” manifold for Water Pump
- Weight: 100lbs/45 kg (incl. pedestal) (not including manifold)

Driller's Settings

- Manual/Synchro Option
- Drilling Mode
 - Rotation Speed Control Adjust
 - Torque Control
- Trip In/Out
 - Thread Making/ Breaking
- Feed Cylinder Adjust
 - Thread Making/ Breaking
- Auxiliary On/Off
- Flow adjustment
- Dimmer Adjust for Screen Display
- RPM Meter (optional)
- Amp Meter
- Error Display
- Auxiliary On/Off

Owner's Locked Settings

- Interlock On/Off
 - Interlock Settings
- Helper's “Override” On/Off
- Fast Feed: Max Feed Cylinder Flow and Pressure
- Drilling Mode
 - Rotation Motor Flow, Pressure and Displacement Control
 - Feed Cylinder Flow and Pressure Maximums
- Trip In/Out Mode
 - Thread Making/ Breaking Feed Cylinder Speed Maximums
 - Thread Making/ Breaking Rotation Speed Maximums
 - Thread Making and breaking torque maximums
 - Synchro Delay





1000S SERIES MAST

Features and Specifications

- Feed Cylinder Stroke : 1.8m/6ft (1.0m option)
- Choice of “N” or “H” size rotation and rod clamp
- Rod Guard with Interlock
- Telescopic Mast Extensions for Wireline Sheaves
- Compact Wireline: 1000m

Feed Frame 1000 w/ Double Acting Feed Cylinder (U/G)

	Metric	U.S.
Feed Stroke	1.8m	72in
Max.Push Force	10,715Kg@34,474kPa	23,623lb@4500psi
Max.Pull Force	10,715Kg@34,474kPa	23,623lb@5000psi

Drill Depth Guidelines

Drill Rod/ Core Barrel	Hole Depth		Hole Depths	
	Metric (m)		U.S. (ft)	
	Up	Down	Up	Down
BWL	760	1500	2500	5000
BWL (TK)	900	2000	3000	6500
NWL	460	1000	1500	3300
HWL	230	600	750	2000
PWL	150	40	500	1300

