

1500U SERIES MAST

Feed Stroke

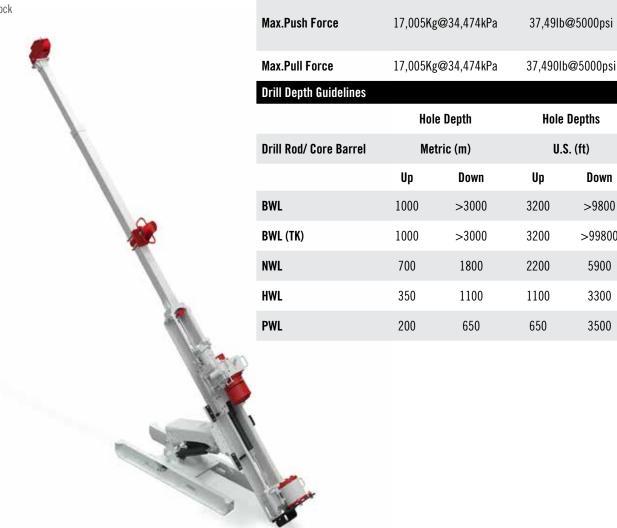
Feed Frame 1500 w/ Double Acting Feed Cylinder (U/G)

Metric

1.8m

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





U.S.

72in

Down

>9800

>99800

5900

3300

3500



UNDERGROUND POWER PACK

Dimension and Weight

- Size: 46" W x 46" H x 104" L /116 cm W x 116 cm H x 264 cm L
- Weight: <1750 lbs / 794 Kg wet including motor group

Options

- Extrra cooling for extreme temperatures
- Data Logging

System Features

- Electric Motor: 100-200 hp / 75-150 kW 50-60Hz/ 380-575 V premium Efficiency
- · Electric Panel: CSA certified
 - 24 Volts Power Supply Panel
 - 2x Remote E-Stop Station (plus one on panel door) with Magnetic Housing
- Pump Drive: Twin Disc Hydraulic Pumps:
 - 2 x HAWE 130cc Load Sensed rated (1set @ 5000 psi / 345 bar, 1 set @ 3000 psi / 207 bar)
 - Note: Drilling Function Operates at 4750 psi/ 310 bar (factory set) and can be increased to > 5000 psi/ 345 bar
- HAWE 24 Volt Proportional Valve System (PLC Operated)
- Triple Filtration System:
 - 3 x Pressure Filter, 1x Return with clog detection sensors

- 3 Magnetic Filtration system on the drain case lines
- Total of 7 filters
- Hydraulic Tank Capacity: 90 liters/ 24 US gallons with oil
- Heat Exchanger: 24V DC Air Cooled
- Temperature Switch for ensuring optimal oil viscosity
- Electric Panel: CSA certified
 - 24 Volts Power Supply Panel
 - 2x Remote E-Stop Station (plus one on panel door) with Magnetic Housing
- Interlock Ready (Different settings available)
- 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





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 Gimbal Mount)
- · Wireline Joystick
- Winch Joystick



Driller's Settings

- Driller's Settings
- Dimmer Adjust for Screen Display
- Amp Meter
- Error Display
- Manual/Synchro Option
- Auxiliary On/Off
- · Drilling Mode
 - Rotation Speed Control Adjust
 - Torque Control
- Trip In/Out
 - Thread Making/ Breaking
- · Feed Cylinder Adjust
 - Thread Making/ Breaking
 - Torque Adjust

Owner's Locked Settings

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

Data Logging/Telematic Communication

- Feed Rate
 - Feed pressure
 - Bit weight
- Rotation Speed
 - Torque
- Water Flow
 - Pressure
- Dip

- · Wireline Depth
- Winch depth/Location
- Trip In-Out. 10' 20'
 - 30'
- Water Supply
 - Temperature
 - Flow



1000U 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

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

