

Featuring the
acker SOIL-XLS
All-Hydraulic, High-Torque
Drill Rig

The SOIL-XLS is specifically designed for fast and economical soil investigation, ground water monitoring or core drilling with multiple mast positions for easy access in difficult terrain.



Features:

- Coring 1,750 ft. [520 m] 'N' Wireline
- 8,500 lb. [3,990 kg] Hoist
- 8 Speed FWD & REV to 1,000 RPMs
- Spindle Torque 5,000 ft. lbs. [6,780 N-m]
- 6 ft. [1.83 m] Stroke
- Automatic Chuck/Automatic Hammer
- 11,000 lbs. [4,990 kg] Pull/Thrust
- Hydraulically Operated Engine Leveler
- Lateral Slide Head
- Mast Incorporates 5 ft. [1.52 m] Dump Feature
- Radio Remote Control for Trimming

SOIL-XLS STANDARD FEATURES:

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| A. | Power Unit - 97 H.P. diesel engine with 12-volt electric start, hydraulically adjustable for constant operation on a 45 degree slope. Other power options available on request. |
| B. | Feed Mechanism - The main feed consists of double acting chain drive mechanism connected to a hydraulic cylinder with 72" stroke and capable of 11,000 pounds upward thrust and 11,000 pounds pull down. Feed speeds are 0-72 FPM up and down. |
| C. | Drill Drive - Taken from prime mover through a pressure/load compensated piston pump and single fixed volume gear pump. |
| D1. | (4) Speed Drill Head - 3-5/8" Open Spindle. 1st gear (0-88 RPM @ 5,000 ft./lbs. torque) 2nd gear (0-184 RPM @ 2,910 ft./lbs. torque) 3rd gear (0-340 RPM @ 1,297 ft./lbs. torque) 4th gear (0-584 RPM @ 754 ft./lbs. torque) |
| D2. | (8) Speed Drill Head - 3-5/8" Open Spindle. 1st gear (0-20 RPM @ 3,028 ft./lbs. torque) 2nd gear (0-252 RPM @ 1,452 ft./lbs. torque) 3rd gear (0-464 RPM @ 788 ft./lbs. torque) 4th gear (0-800 RPM) @ 458 ft./lbs. torque Two (2) speed hydraulic motor option up to 1,000 RPM in high range. |
| E. | Mast - Welded rectangular structural steel tube construction that supports and guides the rotation of feed components. Positioned with one (1) hydraulic cylinder and rigidly held in the vertical position for drilling and is lowered to the travel position for moving from hole to hole and includes mast extension to allow for 10 ft. rod pulls. Mast mounting allows for angle as well as 90 degree vertical drilling. Also includes mast dump for 60 inches. Mast also includes crown block with sheaves. |
| F. | Slide Head - 12" drill head movement. |
| G. | Drill Frame - All welded steel construction supports the power unit, mast, control panel, winches and cathead. |
| H. | Auger Guide |
| I1. | Track Mounting - The entire drill is mounted on a structural steel frame and self-propelled by high quality crawler tracks with independent reversible hydraulic motor drive. Full function radio remote control and pendant control operations with a emergency shutdown. |
| I2. | Mounting - The entire drill is mounted on a structural steel. Truck, track, trailer, skid or ATV mounted. |

SOIL-XLS OPTIONAL FEATURES:

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| 1. | Cathead Hoist - Hydraulically powered cargo type hoist, 10" diameter. |
| 2. | Auxiliary Hoist - 2,500 lb. or 4,500 lb. planetary type with 75 ft. of 5/16" cable. |
| 3. | Main Drum Hoist - 8,500 lb. planetary type with 100 ft. of 5/8" cable. Includes rapid reverse. (Recommended for skid unit to move under its own power.) |
| 4. | Quick Disconnect Adaptor - U-Joint type for augers, 1-5/8" hex or 2" hex or rigid type for rod/casing (specify size). |
| 5. | 2" Swivel - For air, mud or water. Attaches directly to the top of the spindle. |
| 6. | Water Pump - Hydrostatically driven Triplex Type 20-35 GPM with infinitely variable controls from the operator's station. Moyno Type 3L6, 3L8 or equal. |
| 7. | Wireline Hoist - Hydraulic powered used for wireline core drilling. 1,000 ft. of 1/8" cable. Lifting capacity is 800 lbs. or 2,500 lbs. auxiliary winch. |
| 8. | Front Winch - Hydraulically driven, front-mounted with 20,000 lb. capacity. |
| 9. | Low Clearance Sheave Block Assembly - For use with cathead operation in low ceiling situations (requires removal of main crown block). |
| 10. | Auger Rack |
| 11. | Water Tank |
| 12. | Automatic Chuck |

Contact factory for additional details. A complete line of optional accessories are available.



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Policy: The policy of Acker Drill Co., Inc. being one of continual improvement, we reserve the right to change design or materials at any time, without giving notice or creating any obligation to previous or future customers.

