

Featuring the Time-Tested & Proven

acker AD-II

Auger/Soils/Core Drill

*Over 40 Years
of Service!*



Features:

- Coring 1,900 ft. [580 m] 'N' Wireline
- 10,000 lb. [4,535 kg] Hoist
- 8 Speed FWD to 970 RPMs/2 Speed REV
- Spindle Torque 7,000 ft. lbs. [9,490 N-m]
- 6 ft. [1.83 m] Stroke
- Automatic Chuck/Automatic Hammer
- 28,000 lbs. [12,700 kg] Pull / 21,000 lbs. [9,525 kg] Thrust
- Dual Action Slide Base

AD-II STANDARD FEATURES:

A.	Power Unit - 97 H.P. diesel engine with 12-volt electric start. Other power options available on request.																								
B.	Feed Mechanism - The main feed consists of twin cylinder with 72" stroke and capable of 21,000 pounds thrust and 28,000 pounds pull.																								
C.	Drill Head - 2-15/16" open spindle, accepts all rod and up to "N" wireline. Eight (8) speeds in forward and two (2) in reverse. Mechanical drive bevel gears torque 7,000 lbs. ft. <table border="0"> <tr> <td colspan="2">Lo Range (Spindle Speeds @ 1,800 RPM):</td> <td colspan="2">Lo Range (Spindle Speeds @ 2,800 RPM):</td> </tr> <tr> <td>1st gear (0-63 RPM)</td> <td>2nd gear (0-130 RPM)</td> <td>1st gear (0-98 RPM)</td> <td>2nd gear (0-203 RPM)</td> </tr> <tr> <td>3rd gear (0-238 RPM)</td> <td>4th gear (0-403 RPM)</td> <td>3rd gear (0-371 RPM)</td> <td>4th gear (0-627 RPM)</td> </tr> <tr> <td colspan="2">Hi Range (Spindle Speeds @ 1,800 RPM):</td> <td colspan="2">Hi Range (Spindle Speeds @ 2,800 RPM):</td> </tr> <tr> <td>1st gear (0-98 RPM)</td> <td>2nd gear (0-201 RPM)</td> <td>1st gear (0-151 RPM)</td> <td>2nd gear (0-314 RPM)</td> </tr> <tr> <td>3rd gear (0-368 RPM)</td> <td>4th gear (0-623 RPM)</td> <td>3rd gear (0-574 RPM)</td> <td>4th gear (0-969 RPM)</td> </tr> </table>	Lo Range (Spindle Speeds @ 1,800 RPM):		Lo Range (Spindle Speeds @ 2,800 RPM):		1st gear (0-63 RPM)	2nd gear (0-130 RPM)	1st gear (0-98 RPM)	2nd gear (0-203 RPM)	3rd gear (0-238 RPM)	4th gear (0-403 RPM)	3rd gear (0-371 RPM)	4th gear (0-627 RPM)	Hi Range (Spindle Speeds @ 1,800 RPM):		Hi Range (Spindle Speeds @ 2,800 RPM):		1st gear (0-98 RPM)	2nd gear (0-201 RPM)	1st gear (0-151 RPM)	2nd gear (0-314 RPM)	3rd gear (0-368 RPM)	4th gear (0-623 RPM)	3rd gear (0-574 RPM)	4th gear (0-969 RPM)
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D.	Mast - Structural steel tubing mounted directly on the "fold over" portion of the rotary head frame. Design allows for optional raising of the feed frame without raising the mast. Mast incorporates two twin sheave crowns, 20 ft. rod sections can be hoisted clear of the hole.																								
E.	Drill Frame - All welded steel construction supports the power unit, mast, control panel, winches and cathead.																								
F.	Main Drum - 10,000 lb. planetary type.																								
G.	Auger Guide - Specify size of augers.																								
H.	Controls - All controls are grouped together in a convenient panel located at the left rear of the machine and facing the rear.																								
I.	Mounting - The entire drill is mounted on a structural steel frame with in/out slide base (<i>optional lateral slide base available</i>). Truck, track, trailer, skid or ATV mounted.																								

AD-II OPTIONAL FEATURES:

1.	Cathead Hoist - Mechanically powered cargo type hoist.
2.	Quick Disconnect Adaptor - U-Joint type for augers, 1-5/8" hex or 2" hex or rigid type for rod/casing (specify size).
3.	2" Swivel - For air, mud or water. Attaches directly to the top of the spindle.
4.	Ackermatic Hydraulic Chuck Assembly - 4" size handles all rod and casing up to "H" wireline and "NW" casing. Assembly includes one set of five double row carbide insert jaws, when purchased with complete package (jaws must be changed for each size drill rod or casing). Hand Chuck also available.
5.	Water Pump(s) - Moyno Type 3L6, Moyno Type 3L8, Triplex Type 918, Triplex Type 1122BCD.
6.	Auxiliary Winch - Hydraulically powered. Rated at 2,500 lbs. 4,500 lbs. available.
7.	Wireline Hoist - Hydraulically powered. Lifting capacity 800 lb. capacity.
8.	Automatic Hammer - Hydraulically operated "SPT" 140 lb. automatic hammer.
9.	Hydraulic Leveling Jacks - Two front and two rear mounted hydraulic leveling jacks with 36" stroke and lock check valves.
10.	Platform - Structural steel with safety plate decking. Accommodations for rod and auger storage, tool boxes and driller's stand.
11.	Rod Clamp Assembly - Hydraulically operated clamp for rod and casing up to 5-1/2" diameter.
12.	Breakout Wrench - Hydraulically operated wrench provides 1"-6" diameter capacity to break drill rod.
13.	Water Tank - All welded construction with drain valve, baffles and filler. Capacity 250 gallons (stainless steel and plastic also available).

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