

Featuring the Powerful & Versatile

# acker MP-8

Multi-Purpose, Long Stroke  
All-Hydraulic



**Features:**

- Coring 3,460 ft. [1,054 m] 'N' Wireline
- 12,000 lb. [5,440 kg] Hoist Std.  
18,000 lb. [8,160 kg] Optional
- 8 Speed FWD & REV to 1,000 RPM
- Spindle Torque 8,000 ft. lb. [10,800 N-m]
- Up to 13 ft. [3.96 m] Stroke
- Automatic Chuck/Automatic Hammer
- 20,000 lb. [9,070 kg] Pull/Thrust
- 45 Degree Vertical Angle Capability
- Slide Base/Lateral Slide Base Optional

## MP-8 STANDARD FEATURES:

A.	<b>Power Unit</b> - 97 H.P. diesel engine with 12-volt electric start. Other power options available on request.
B.	<b>Feed System</b> - Tubular constructed mast and feed system provides 11 ft. of drill head travel through a 4" bore double acting cylinder. The system has 20,000 lbs. of thrust and is raised and positioned by twin double acting cylinders capable of handling angle holes from vertical to 40 degrees. Also includes a mast slide adjustment up to 48". Optional extended feed of 13 ft. available.
C.	<b>Drill Head</b> - 4-5/8" spindle bore, accepts all rod and casing up to "P" wireline or "H" casing. Eight (8) infinitely variable speeds, forward or reverse. Hydraulically operated "sliding" drill head provides clearance for tool handling. Drill head speeds are from 0 to maximum in each gear range.  <b>Low range:</b> 1st gear (0-54 RPM @ 8,000 ft./lbs. torque) 2nd gear (0-109 RPM @ 3,949 ft./lbs. torque) 3rd gear (0-194 RPM @ 2,234 ft./lbs. torque) 4th gear (0-339 RPM @ 1,226 ft./lbs. torque)  <b>High range:</b> 1st gear (0-157 RPM @ 2,731 ft./lbs. torque) 2nd gear (0-316 RPM @ 1,359 ft./lbs. torque) 3rd gear (0-565 RPM @ 769 ft./lbs. torque) 4th gear (0-900 RPM @ 485 ft./lbs. torque) Drill can accept various chuck, adapter or water swivel mountings.
D.	<b>Main Hydraulic Chuck</b> - 12,000 lb. capacity, hydraulically powered, with 100 ft. of 5/8" cable.
E.	<b>Mounting</b> - The entire drill is mounted on a structural steel frame with in/out slide base ( <b>optional lateral slide base available</b> ). Truck, track, trailer, skid or ATV mounted.

## MP-8 OPTIONAL FEATURES:

\* Option may not be available in all configurations due to space limitations.

1.	<b>Ackermatic Hydraulic Chuck</b> - 5" size handles all rod and casing up to "P" wireline and "H" casing. Assembly includes one (1) set of five (5) double row carbide insert jaws. (Jaws must be changed for each size.)
2.	<b>Hydraulic Rod Vise</b> - Rod and casing up to 5-1/2" with standard jaws and 6-5/8" with special jaws.
3.	<b>Hydraulic Wrench</b> - Cylinder actuated wrench to break rod.
4.	<b>Hydraulic Cathead</b> - Cargo type, hydraulically operated.
5.	<b>Wireline Coring</b> - Drum capacity of 3,100 ft. 3/16" cable. Also available with level wind feature.
6.	<b>Tropical Oil Cooler</b> - Recommended when drill is operating above 100 degrees F.
7.	<b>Water Pump</b> - 1122BCD providing 0-35 gallons @ up to 600 PSI and/or foam pump providing 5.4 GPM @ 300 PSI and other various options.
8.	<b>Hydraulic Leveling Jacks</b> - Sized to suit carrier.
9.	<b>Drill Platform</b> - Sized to fit carrier selected.
10.	<b>Tool Boxes/Auger Racks/ Water Tanks/Operator's Stand</b> - Available according to carrier selected.
11.	<b>Track Mounting</b> - On structural steel frame and self-propelled by high quality crawler tracks with independent reversible hydro-static motor drive.
12.	<b>Truck Mounting</b> - Customer's choice. Minimum requirements are 120" C.A. and 36,000 lb. GVW.
13.	<b>Hydraulic System</b> - Utilized variable volume piston pumps which allow infinitely variable drill head speeds and water pump volume as well as independently controlled infinitely variable forward and reverse tram speeds on the crawler version. Fixed volume gear pumps provide power to all auxiliary functions.

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