



Mobile Drill Intl

YOUR GLOBAL DRILLING RIG SALES AND SERVICE EXPERTS SINCE 1947



TRANSMISSION/TORQUE CONVERTER - Clark power shift transmission with three speeds forward and reverse, complete with shell tube oil cooler and a 10-micron replaceable oil filter. An oil temperature gauge is mounted in the control panel.

RIGHT ANGLE DRIVE - Two speed right angle drive with high and low range, spiral bevel gears and cathead output shaft, coupled with 3 speed clark transmission allows for 6 speed rotary spindle in both forward and reverse

HIGH TORQUE ROTARY BOX - The rotary box is a totally enclosed "dry box" concept with tapered roller bearings on both the drive and drill spindles. The drive spindle has a 2" kelly bar drive, and the drill spindle provides a 4-3/4" open bore. A multi-bolt flange is provided to accept a broad range of tooling and connections.

FEED SYSTEM - This drill is equipped with two hydraulically balanced feed cylinders providing 28,500lb. of retract force and 20,000 lb. of feed force. Controls are provided in the driller's console to regulate feed pressure, speed and holdback. Feed system folds 90° in the transport position.

30' MAST - The mast is attached to the drill frame through two quick disconnect bolts and folds with the drill frame to the horizontal travel position. It is easily detached from the feed frame when low overhead clearance requires use of the feed frame only. The distance from the mast sheaves to the ground is 30 feet .

Proportional/Electric over Hydraulic Controls: The drill is supplied with a load sense pump, proportional valves and electric over hydraulic switches for auxiliary functions. (In lieu of the standard hydraulic controls)

SHUTDOWN SWITCH - Mobile LIFELINE emergency shutdown system with manual reset positioned in the control panel.

SAFETY ALARM - Mobile's mast raise/lower alarm warns operator and others in the proximity that the mast function is in operation and to watch for overhead obstructions such as power lines.

Cummins - 4BT 3.9 Turbo charged diesel engine, 100 HP & 260 ft/lbs torque Fuel line connected to truck fuel tanks & lockable battery box d rear axle.

BASIC UNIT OPTIONS:

Utility Air Compressor - The utility air compressor mounts directly to diesel power unit and is driven by internal gears compressor is rated @120 psi

In/Out Slidebase - The hydraulically operated in/out slidebase offers movement of up to 15" to move drill off hole and allow free access to the borehole.

Sideways Slidebase - The sideways slidebase is hydraulically operated with a total of 12" of side travel, 6" off center in either direction. The drill spindle can be positioned anywhere within a 180 sq/in area for auger or hole line up.

Hydraulic Break-Out Wrench - Hydraulically actuated breakout wrench powered by hydraulic cylinder mounted under right rear of the body fabrication. Includes cable and wrench. Works with either Hydraulic rod clamp or without.

Mast Standpipe - 2" mast standpipe mounted in mast to convey air or mud to the swivel during rotary drilling. Includes pressure hose to water pump.

HOIST & SPT SAMPLING OPTIONS:

8,500 lb. Main Hoist - Bi-directional hydraulic planetary hoist with fail-safe hydraulic brake. Winch comes complete with 100 feet of 1/2" cable and swivel safety hook.

4,500 lb Auxiliary Hoist - Bi-directional hydraulic planetary hoist with fail-safe hydraulic brake. Winch comes complete with 100' of 5/16" cable and safety hook.

SAFE-T-DRIVER Hoist - 900 lb capacity hydraulically driven bi-directional hoist with internal overrunning clutch to allow winch to free fall when required to run SPT Hammers. A manual brake is provided at the operator's station. Winch comes complete with 300 feet of 1/4" cable and swivel safety hook.

2,500 LB Cathead - 2,500 lb capacity hydraulic cathead with a two-sheave crown block for the hoisting rope.

ROTARY HEAD SPINDLE ATTACHMENTS:

Mobile Gimbal Coupling - The gimbal coupling is attached to the drill spindle through a multi-bolt flange. The coupling has a specially designed universal



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joint that allows access to the bottom of the hole through the hollow drill spindle at all times. Various auger sizes can be accommodated through a second multi-bolt flange with the correct auger size attached.

Pt # 61041-01

Part Number 217798 6 5/8" Hollow Stem Auger Box

Quick Change for the Hydraulic Chuck, Fluted Kelly and Manual Chuck - Quick change coupling using a 4-1/4" TRI-LOK box and pin combination. The 4-1/4" 2 Key HD box coupling is connected to the drill spindle through a multi-bolt flange. The 4-1/4" 2 Key HD pin is connected to the gimbal coupling.

BODY FABRICATION AND MOUNTING OPTIONS:

Body Fabrication - A custom fabricated steel body 14" lg

Underbody Drill Rod Storage Rack - An enclosed drill rod storage compartment between the truck frame rail with a locking rear facing door. Standard dimensions are 10'-6 long, 23 1/2" wide and 2-3/4" high. (size may vary depending on truck)

Hinged Auger Racks - Manually operated underslung auger rack mounted under the body fabrication in front of the rear wheels of truck. The rack hinges out to the rear of the drill to provide ease of tool handling. A manual locking device holds the rack firmly in place during transport and provides security for auger tooling. Maximum of two per vehicle. NOTE: Requires a minimum of 102" CA truck dimension on single axle trucks and 126" CT required on tandem axle trucks. Not available on tracked vehicles or ATV type carriers.

Double Tool Box - 6.2 cubic ft tool box (16" H x 42" W x 16" D) with two lockable outward swinging doors with rubber strips. Mounted above deck. (P/N 211630-34)

Rear Under-Deck Tool Box - Tool box mounts under the right rear of the body fabrication and opens to the rear. Ideal for storage of often used tools and also houses the air connections for hand-held air tools if the utility air compressor option is ordered.

Front Frame Extension - Front frame extension for mounting front jack to vehicle. Required when carrier is not supplied with factory installed front frame extension.

Tilt Front Jack Option - Required when a front bumper mounted leveling jack is installed on a truck with a tilt hood or tilt cab. Allows front jack to tip forward to provide room for the hood or cab to tilt for engine access. One required for each front jack. (NOTE: Consult with factory on front frame extension.)

36" Front Mounted Leveling Jack - One 36" stroke front bumper mounted leveling jack. Cylinder is completely encased in structural steel tubing to provide protection and stability. A 12" swiveling round pad is provided at the bottom of the jack. Note Note: Front frame extension required. (Specify if jack is to be shipped loose)

36" Front Mounted Leveling Jacks - Two 36" stroke front mounted leveling jacks. Mounted through the front corners of the body fabrication, each jack is completely encased in a structural steel tube to provide protection and stability. A 12" swiveling round pad is provided at the bottom of the jack cylinder. (Specify if the jacks are to be shipped loose.)

250 Gallon Water Tank/Combination Tool Storage - A 250 gallon capacity water tank, steel construction with internal baffles. Includes a 6" inlet on tank top and has discharge and drain ports. Includes 10" x 24" x 94" lock up tool storage under the tank with doors both ends.

Steel Operator / Helper Step Platform - An adjustable height step platform with expanded metal grate for solid traction. Weight is 95 lbs. (price each)

Safety Hammer Rack - A steel tube welded to the rear of the drill for storage of 140 lb safety hammer.

OTHER OPTIONS:

Main Hoist Free Spooling Option - A free spooling override on the main hoist for drilling with optional fluted kelly.

PAINT:

Standard Mobile Red Customer specified paint may be an extra charge

TRAINING/SET-UP:

Two (2) Days of equipment training at Mobile Drill Intl. plant, Indianapolis, IN

Two (2) P/N 007108 Mobile Drill Safety Hard Hats

Two (2) Parts/Operational Manuals

One (1) P/N 217686 "Drilling in the Danger Zone" safety video with quiz

One (1) P/N 21035-01 DOT Safety Kit

CARRIER:

1995 Ford F-800, 6cyl Diesel engine, 80,888 miles

33,000 lbs GVWR, 2 - 50 gallon fuel tanks, Air Brakes

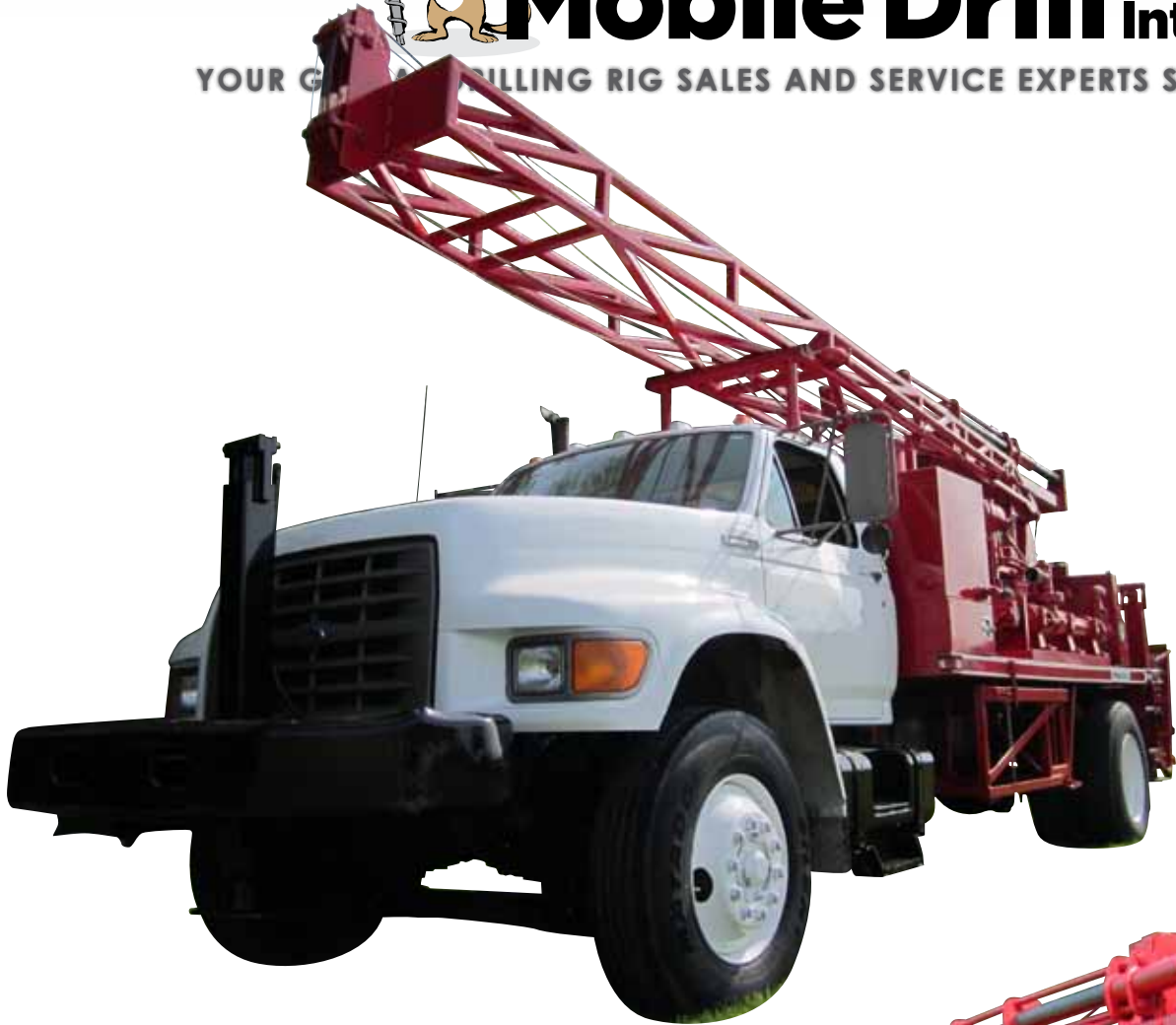
7,231 hours on drill





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