

# GEOPROBE® 8040DT ... Rig Offering Impressive Results



## 8040DT MACHINE OPTIONS

### Combo Head

222609	CB Head 4 Speed with GH70
222610	CB Head 4 Speed with GH80

### Combo Head U-Joints

208310	HSA 4.25 in. SD 2K U-joint Asm
208311	HSA 4.25 in. HD 2K U-joint Asm
208312	HSA 6.25 in. SD 2K U-joint Asm
214773	HSA 6.25 in. HD 2K U-joint Asm
208313	1.625 in. Female Hex U-joint Asm
211531	2.0 in. Female Hex U-joint Asm

### Automatic Drop Hammer

213896	DH101 Automatic Drop Hammer, 140 lb.
216826	Automatic Drop Hammer 340 lb. Expansion Kit
217067	Automatic Drop Hammer 300 lb. Expansion Kit
221820	Automatic Drop Hammer 170 lb. Expansion Kit
210126	Automatic Drop Hammer 65 kg Expansion Kit

### Water Swivels

208539	Water Swivel and Bracket (NWJ)
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### Mast / Winch

210819	Secondary Winch Kit
222606	2.5 ft. Winch Mast Extension

### Rotational Safety Cage

219810	Safety Cage
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### Breakout

219010	7 in. Single Clamp Breakout Kit
208875	9 in. Pullback Breakout
217024	Coring Upgrade Kit for 7 in. Breakout

### Control System

207870	LCD Display Heater Kit
222921	Head Feed Pressure Control Kit

### Water / Mud Pumps

217556	Moyno® 3L6 Progressive Cavity Pump - Helper Side
209811	Triplex Pump Kit
210991	SPX40 Pump & Mount
212595	Hose Reel Kit
209925	Moyno® 3L6 with Table, Operator Side
218222	1 in. Water Line Kit - 3L6, Helper Side
222631	1 in. Water Line Kit - 3L6, Operator Side
213989	High Pressure Water Module

### Hydraulic Extruder

210908	Extruder Side Mount Kit
205501	Hydraulic Extruder - 60 in. Stroke
220646	3 in. Shelby Tube Hydraulic Cradle Kit

### Air Compressor

218584	Air Line Oiler Kit
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### Toolboxes

212954	53 in. Toolbox
220333	48 in. Toolbox
207214	20 in. Toolbox

## Model 8040DT Specifications

UNIT PLATFORM		
Weight (standard machine)	17,500 lb.	7,682 kg
Width	80 in.	2,032 mm
Length (folded)	176 in.	4,470 mm
Length (unfolded)	190 in.	4,826 mm
Height (folded)	99 in.	2,515 mm
Height (unfolded - winch mast down)	153 in.	3,886 mm
Height (unfolded - winch mast up)	232 in.	5,893 mm
Extension (fore and aft)	15 in.	381 mm
Lateral Swing	± 8 degrees	
Oscillation	± 10 degrees	
Surface Load Pressure (standard machine)	6.8 psi	47 kPa
Ground Speed	3.0 mph	4.8 kph

CB8 Combo Head		
Vertical Travel	84 in.	2,134 mm
Side Shift Travel	26 in.	660 mm
Head Feed Speed (down)	32 ft/min	10 m/min
Head Feed Speed (up - no Regen)	26 ft/min	8 m/min
Head Feed Speed (up - Regen)	63 ft/min	19 m/min

HYDRAULIC SYSTEMS		
Down Force	59,000 lb.	269 kN
Retraction Force	80,000 lb.	356 kN
Hydraulic Flow (max)	100 gpm	376 Lpm
Hydraulic System Pressure (max)	4,000 psi	276 bar
Auxiliary Hydraulic Outlets Flow	0 - 12 gpm	0 - 45 Lpm
Auxiliary Hydraulic Outlet Pressure	3,000 psi	207 bar

PERCUSSION HAMMER		
Percussion Hammer System	GH80	
Percussion Hammer Rate	32 Hz	
Torque (high torque/low speed)	6,000 ft-lb.	8,140 N-m
Torque (low torque/high speed)	3,000 ft-lb.	4,070 N-m
Rotation speed (low speed/high torque)	0 - 100 rpm	
Rotation speed (high speed/low torque)	0 - 200 rpm	

ENGINE		
Fuel Capacity (diesel)	40 gal	151 L
Engine (diesel)	CAT®, 4-cylinder turbocharged	
Engine Power	120 hp	90 kW
Hydraulic Oil Reservoir	55 gal	208 L

HYDRAULIC WINCH		
Winch Pull Back	2,500 lb	1,134 kg
Winch Line Speed	0 - 140 fpm	0 - 43 mpm
Winch Mast Stroke	63 in.	1,600 mm

7-in. SINGLE CLAMP BREAKOUT		
Clamp Opening	7 in	178 mm
Clamp Range	1.25 - 6 in	31.75 - 152 mm
Clamp Force	0 - 17,500 lbf	0 - 78 kN
Breakout Torque	6,000 ft-lbf	8,135 N-m
Weight	350 lb	159 k

### Geoprobe® Tooling Run with 8040DT

60-in. Direct Push Tooling

- Probe Rod Sizes: 6.0 in., 4.5 in., 3.75 in. (recommended), 3.5 in., 2.25 in.
  - DT60, DT45, DT37, DT35 Dual Tube Soil Sampling
    - SP22 Groundwater Sampling
  - 2.0 in. Prepacked Monitoring Well Installations
    - DH101 Auto Hammer for SPT
      - Up to 8.0 in. H S A System



Continuous coring with DT325 tooling to over 100 feet.



Using the DH101 Auto Drop Hammer with a standard split spoon to perform SPT for a utility project.



Sampling angles varied from -48 degrees to vertical.

# 8040<sup>DT</sup>

## Combo Rig

- Patented CB8 Combo Head
- 9-in. Double Wrench Breakout
  - Reliable Geoprobe® GH80 Percussion Hammer
  - Integrated Hydraulic Head Clamp
- Auto Drop Hammer Compatible (SPT)
  - Mud Rotary Compatible
  - Rock Coring Compatible
  - Wireless and Tethered Remote Drive
- Auxiliary Hydraulic Ports for Remote Equipment
- Centerline Side Shift
- Integrated Frame Rail System
- Adjustable Control Panel



Turning 12.25 in. to set 16 in. steel casing.



Geoprobe Systems®  
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