

GEOPROBE®
7800

**Easy Mobilization, Cushy Ride Home
... in a Powerful Truck Option**



7800 MACHINE OPTIONS

Augerhead

219256	GA4000 2-Speed Augerhead
213945	GA4100 4-Speed Augerhead

Automatic Drop Hammer

213898	DH103 Automatic Drop Hammer, 140 lb.
213899	DH103M Automatic Drop Hammer, 65 kg
213900	DH103 Mounting Kit
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

216398	High Speed Water Swivel w/ Float
210873	Float Sub NWJ Pin Asm
210874	Float Sub NWL Pin Asm
213482	Float Sub HWL Pin Asm
212606	Water Swivel 1.625 in. hex NWJ Pin Mod
212558	GH60 Series Water Swivel Asm

Mast / Winch

222816	5/16 in. Winch Kit (Single)
222817	1/4 in. Winch Kit (Single)
222818	3/16 in. Winch Kit (Single)
217508	Fixed Mast Top
213364	3 ft. Mast Extension

Breakout

212785	7 in. Single Clamp Breakout
217024	Coring Upgrade Kit for 7 in. Breakout
213421	Probe Rod Handling Clamp for 3.5 in. - 1.25 in. Probe Rods

Rotational Safety Cage

213002	Safety Cage for Machines with No Drop Hammer
212896	Safety Cage for Machines with Drop Hammer

Control System

216137	Head Feed Pressure Control Kit
213384	CPT Valve Kit

Water / Mud Pumps

215811	Moyno® 2L4 Pump & Mount
210693	GP50 Base Module
222833	Water Carrier Kit 50 gal
222834	Water Carrier Kit 50 gal w/ pump

Hydraulic Extruder

213465	60 in. Extruder Kit
220646	3 in. Shelby Tube Hydraulic Cradle Kit
221929	3 in. Shelby Tube Cradle
215781	Extruder w/ 2L4 Mounting Kit

Rod Racks

212306	Locking Side Mount Rod Rack
211734	Side Rack Mount Blank

Storage

212139	Rear Underbody Storage Package
212338	Underbody Storage - Passenger Side
212337	Underbody Storage - Driver Side
214351	Underbody Storage Package - Both Sides

Water Transport

219610	50 gal. Water Carrier Kit w/ Pump
215140	50 gal. Water Carrier Kit

Model 7800 Specifications

UNIT PLATFORM		
Stroke	78 in	1,981 mm
Weight (approximate)	8,250 lb	3,746 kg
Width	96 in	2,438 mm
Length (folded)	133 in	3,378 mm
Height, (folded)	116 in	2,946 mm
Height, (unfolded)	184 in	4,674 mm
Foot Travel	45 in	1,143 mm
Extension	16 in	406 mm
Lateral Movement (side-to-side)	± 7 degrees from centerline	
Oscillation	± 13 degrees from vertical	

PERCUSSION HAMMER		
Hammer System	GH63	
Percussion Rate	32 Hz	
Forward Torque	517 ft-lb	701 N-M
Reverse Torque	637 ft-lb	864 N-M
Rotation Speed	0 - 234 rpm	
Power Cell Weight	90 lb	41 kg

HYDRAULIC SYSTEMS		
Down Force	36,000 lb	160 kN
Retraction Force	48,000 lb	214 kN
Hydraulic Pressure (system)	4,000 psi	275 bar
Hydraulic Flow Rate (system)	40 gpm	151 Lpm

BP50 POWER UNIT		
Engine (diesel)	Kubota, 4-cylinder turbo, Tier 4i	
Engine Power (rated)	58 hp	42 Kw
Fuel Capacity (diesel)	17 gal	64 L
Cooling System	Liquid	
Power Unit Weight	1,700 lb	772 kg
Power Unit Dimensions	42 in L x 30 in W x 30 in H	

AUGERHEAD		
GA4100 Augerhead, 4-Speed		
High Torque	4,000 ft-lb	5,423 N-M
Low Torque	400 ft-lb	542 N-M
High Speed Rotation	0-750 rpm	
Low Speed Rotation	0-75 rpm	
Hex Adapter	1-5/8 in	41 mm
GA4000 Augerhead, 2-Speed		
High Torque	4,000 ft-lb	5,423 N-M
Low Torque	2,000 ft-lb	2,711 N-M
High Speed Rotation	0-150 rpm	
Low Speed Rotation	0-90 rpm	
Hex Adapter	1-5/8 in	41 mm

HYDRAULIC WINCH		
Winch Rating	2,500 lbf	10.5 kN
Winch Speed	0-125 fpm	0-38 m/min
Cable Length	75 ft	23 m

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 kg



Geoprobe® Tooling Run with 7800

- 60-in. Direct Push Tooling
 - Probe Rod Sizes: 3.75 in., 3.5 in., 3.25 in., 2.25 in., 1.5 in., 1.25 in.
 - Direct Image® Tooling
 - Macro Core® MC5 Soil Sampling (2.25 in. x 5 ft.)
 - DT22 Soil Sampling
 - DT325 / DT35 / DT375 Dual Tube Soil Sampling
 - SP22 Groundwater Sampling
 - SP16 Groundwater Sampling
- 2.0 in., 1.5 in., 1.0 in., 0.75-in. Prepacked Monitoring Well Installations
 - DH103 Auto Hammer for SPT
 - 4.25 in. and 6.0 in. H S A System



7800

Truck Mount

- Reliable Geoprobe® GH60 Series Percussion Hammer
- Modular Percussion Power Cell Technology
- Auto Drop Hammer Compatible
- Lockable Storage Compartments
- Tooling Transport Rack Options
- 58 hp Kubota Deck Engine
- Integrated Drill Mast Oscillation
- Auxiliary Power Outlets
- Frame Rail Mounting System
- Single-Clamp Breakout Option



Geoprobe Systems®
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