

# GEOPROBE® 3200

# A True Combination Rig with Impressive ... Power and a Sweet Ride Home



## 3200 MACHINE OPTIONS

### Combo Head

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220524	CB6 4-Speed Combo Head w/ GH60 Hammer
220525	CB6 4-Speed Combo Head w/ GH70 Hammer
220523	CB6 4-Speed Combo Head w/ NO Hammer
220521	CB6 2-Speed Combo Head w/ GH60 Hammer
220522	CB6 2-Speed Combo Head w/ GH70 Hammer
220520	CB6 2-Speed Combo Head w/ NO Hammer

### Combo Head U-Joints

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

### Automatic Drop Hammer

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220505	DH105 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

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208539	Water Swivel and Bracket (NWJ)
220660	Top Spline Water Swivel with 3230DT Hardware (4 Speed Only)

### Mast / Winch

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224979	Dual Overhead Mast
220548	Drill Mast Outrigger Kit
208858	Head Clamp Stationary Jaw
220614	Winch Kit, 1,100 lbf with Quick Change Hook & Overshot Cleavis
220615	Winch Kit, 1,800 lbf with Quick Change Hook & Overshot Cleavis
220616	Winch Kit, 5,000 lbf
225390	Winch Kit, 8,500 lbf

### Rotational Safety Cage

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219810	Safety Cage
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### Breakout

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220551	9 in. Pullback Breakout Kit
220537	7 in. Single Clamp Breakout Kit
217024	Coring Upgrade Kit for 7 in. Breakout

### Control System

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220549	Head Feed Pressure Control Kit
207870	LCD Display Heater Kit

### Water / Mud Pumps

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223766	Moyno® 3L8 Progressive Cavity Pump - Helper Side
217556	Moyno® 3L6 Progressive Cavity Pump - Helper Side
220647	Water Line Kit for Moyno® 3L6 Helper Side
220644	SPX40 Hose Pump Kit
221576	Triplex Pump Kit

### Hydraulic Extruders

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220643	Hydraulic Extruder Kit
220646	3 in. Shelby Tube Hydraulic Cradle Kit

### Air Compressor

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223199	Air Line Oiler Kit
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### Tool Racks

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222562	Tool Rack Bottom Mount
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## Model 3200 Specifications

UNIT PLATFORM		
Weight (apprx, base unit only)	25,000 lb	11,350 kg
Width	102 in	2,591 mm
Length (transport)	277 in	7,036 mm
Length (deployed, fully extended)	330 in	8,382 mm
Height (normal transport)	150 in	3,810 mm
Height (deployed, winch mast up)	286 in	7,264 mm
Extension (fore and aft)	15.5 in	393.7 mm
Lateral Movement (side-to-side)	3 in	76 mm
Oscillation	+ 11 degrees from vertical	

DRILL MAST		
Head Feed Travel	84 in	2,134 mm
Drill Mast Travel (up and down)	57 in	1,448 mm
Drill Mast Outrigger Travel	26 in.	660 mm
Head Travel	84 in.	2,134 mm
Head Down Force	50,000 lbf	222 kN
Head Retraction Force	80,000 lbf	356 kN
Head Feed Down (rate)	60 ft/min	18 m/min
Head Feed Up (rate, regen)	93 ft/min	38 m/min
Head Feed Up (rate, non-regen)	46 ft/min	14 m/min

ENGINE		
HP Limited Pump, max pressure	4,000 psi	275.8 bar
HP Limited Pump, max flow	72 gpm	273 L/min
Fuel Capacity (diesel)	80 gal	303 L

9-in. PULLBACK/ BREAKOUT		
Clamp Opening	8 in	203 mm
Clamp Range	2.25 - 8 in	31.75 - 203 mm
Clamp Force	0 - 21,200 lbf	0 - 94 kN
Breakout Torque	13,900 ft-lbf	18,846 N·m
Pullback	50,000 lbf	222 kN
Weight	1,200 lb	545 kg

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

COMBO DRILL HEAD		
<b>CB6.2 Rotary Drive, 4-Speed</b>		
Torque, max	6,000 ft-lb	8,135 N·M
Rotation Speed	0-800 rpm	
Thru Spindle ID	2.8 in	71 mm
<b>CB6 Rotary Drive, 2-Speed</b>		
Torque, max	6,000 ft-lb	8,135 N·M
Rotation Speed	0-150 rpm	
Thru Spindle ID	N/A	
Head Sideshift	26 in.	660 mm
Head Feed Pressure Control, wob	Optional	
Hydraulic Head Clamp	yes	
<b>Direct Push Hammer Options</b>		
GH70 Direct Push Hammer		
GH6400 Direct Push Hammer		

HYDRAULIC WINCH (as commonly sold*)		
<b>Winch Option 1 (220614)</b>		
Line Pull	1,100 lbf	4.9/ kN
Line Speed	230 fpm	70 m/min
Drum Capacity	250 ft	76 m
Cable Size	3/16 in.	4.8 mm
<b>Winch Option 2 (224247)</b>		
Line Pull	8,510 lbf	38 kN
Line Speed	115 fpm	35 m/min
Drum Capacity	250 ft	76 m
Cable Size	1/2 in.	12.7 mm
* other winch options available		

AUTOMATIC DROP HAMMER, DH-105		
Drop Height, standard	30 in.	762 mm
Float	31 in.	787 mm
Slug Weight, standard	140 lb	64 kg
Slug Weight, optional	100 - 340 lb	45 - 154 kg



### Geoprobe® Tooling Run with 3200

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
    - DH105 Auto Hammer for SPT
    - Up to 8.0 in. H S A System

**Geoprobe Systems®**  
**1-785-825-1842**  
**geprobe.com**



Dual winch with telescoping mast.

# 3200

## Truck Mount

- **Patented CB6 Combo Head**
- **Multi-Function Drill Mast:**
  - .. Air Rotary
  - .. Augering
  - .. Direct Push/Percussion
  - .. Diamond Coring
  - .. Mud Rotary
  - .. SPT
  - .. Pullback
- **Movable, Adjustable Control Panel**
- **80K Pullback**
- **Head Centerline Side-Shift**
- **Dual Winch with Telescoping Mast (Optional)**
- **Outriggers for Added Stabilization**
- **50K Downforce**
- **Drilling Control Configurations**
- **Rock Coring Compatible**
- **Advances 6 in. Tooling**



Moveable, Adjustable Control Panel.