

GEOPROBE® 3230DT ... Work with One Machine



Turning hollow stem augers for monitoring well installation.



3230DT MACHINE OPTIONS

Combo Head

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

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

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

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

Mast / Winch

220501	Dual Overhead Mast
220602	Single Overhead Mast
220548	Drill Mast Outrigger Kit
208858	Head Clamp Stationary Jaw
220617	5/16 in. Winch Kit
220614	3/16 in. Winch Kit
220615	3/8 in. Winch Kit
220616	1/4 in. Winch Kit

Rotational Safety Cage

219810	Safety Cage
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Breakout

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

Control System

220549	Head Feed Pressure Control Kit
207870	LCD Display Heater Kit

Water / Mud Pumps

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

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

Air Compressor

223199	Air Line Oiler Kit
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Rod Racks

222177	Tool Rack Side Mount
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Toolboxes

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

Model 3230DT Specifications

TRACK PLATFORM / UNDERCARRIAGE		
Weight (apprx, base unit only)	17,000 lb	7,711 kg
Width	80 in	2,032 mm
Length (transport)	215 in	5,461 mm
Length (deployed, fully extended)	200 in.	5,080 mm
Height (normal transport)	100 in	2,540 mm
Height (deployed, winch mast up)	286 in	7,264 mm
Extension (fore and aft)	11 in	279 mm
Lateral Movement (side-to-side)	+ 8 degrees from centerline	
Oscillation	+ 11 degrees from vertical	
Rear Stabilizer Lift	3,000 lb	1,361 kg
Rear Blade Width	78 in	1,981 mm
Approach Angle	26 degrees	
Ground Speed	0 - 3 mph	0 - 5 kph
Surface Load	6.83 lb/in ²	0.48 kg/cm ²
Track Width	15.75 in	400 mm
Control Architecture	Manual/Electric-over-Hydraulic	

DRILL MAST		
Head Feed Travel	84 in	2,134 mm
Drill Mast Travel (up and down)	25 in	635 mm
Drill Mast Outrigger Travel	26 in.	660 mm
Head Down Force	50,000 lbf	222 kN
Head Retraction Force	80,000 lbf	356 kN
Hydraulic Pressure (system)	4,000 psi	275 bar
Hydraulic Flow Rate (system)	72 gpm	272 Lpm
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		
Engine (diesel)	Kubota V3800 Tier 3 Flex	
Engine Power (rated)	99 hp	74 kW
HP Limited Pump, max pressure	4,000 psi	275.8 bar
HP Limited Pump, max flow	72 gpm	273 L/min
Fuel Capacity (diesel)	40 gal	151 L

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

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		
CB6.2 Rotary Drive, 4-Speed		
Torque, max	6,000 ft-lb	8,135 N-M
Rotation Speed	0-800 rpm	
Thru Spindle ID	2.8 in	71 mm
CB6 Rotary Drive, 2-Speed		
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	
Direct Push Hammer Options		
GH70 Direct Push Hammer		
GH6400 Direct Push Hammer		

HYDRAULIC WINCH (as commonly sold*)		
Winch Option 1		
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
Winch Option 2		
Line Pull	5,000 lbf	22.2 kN
Line Speed	75 fpm	23 m/min
Drum Capacity	125 ft	38 m
Cable Size	3/8 in.	9.5 mm

* other winch options available

3230^{DT} Combo Rig

- Patented CB7 Combo Head
- Multi-Function Drill Mast:
 - .. Air Rotary
 - .. Augering
 - .. Direct Push/Percussion
 - .. Diamond Coring
 - .. Mud Rotary
 - .. SPT
- Movable, Adjustable Control Panel
- 80K Pullback
- Head Centerline Side-Shift
- Dual Winch with Telescoping Mast (Optional)
- 50K Downforce
- Drilling Control Configurations
- Rock Coring Compatible
- Advances 6 in. Tooling
- Wireless and Tethered Remote Drive



Geoprobe® Tooling Run with 3230DT

- 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



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