

GEOPROBE® 3230DT ... Work with One Machine



Turning hollow stem augers for monitoring well installation.

Geoprobe®

3230DT MACHINE OPTIONS

Combo Head

225039	6 Speed Combo Head with GH70 Hammer
220525	4 Speed Combo Head with GH70 Hammer
220522	2 Speed Combo Head with GH70 Hammer

Combo Head U-Joints

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

Automatic Drop Hammer

220505	DH105 Automatic Drop Hammer, 140 lbm (shown)
210126	65 kg Automatic Drop Hammer Weight
221820	170 lbm Automatic Drop Hammer Expansion Kit
217067	300 lbm Automatic Drop Hammer Expansion Kit
216826	340 lbm Automatic Drop Hammer Expansion Kit

Water Swivels

208539	Water Swivel and Bracket
220660	Top Spline Water Swivel (for 4- and 6-speed heads), NWJ Pin

Mast / Winch

226007	Telescoping Mast, Triple Winch (for 8500# winch)
224979	Telescoping Mast, Dual Winch (for 8500# winch)
224822	Telescoping Mast, Dual Winch (for 5000# winch kit)
224817	3 ft. Mast Extension (for 8500# winch)
222606	2.5 ft. Mast Extension (for 5000# winch and below)
225030	1 ft. Mast Extension (5000# winch and below)
220548	Drill Mast Outrigger Kit
208858	Head Clamp Stationary Jaw
225390	Winch Kit, 8,500 lbf (Position 1)
220616	Winch Kit, 5,000 lbf (Position 1)
226252	Winch Kit, 1,800 lbf with Quick Change Hook (Pos. 2)
226006	Winch Kit, 1,100 lbf with Quick Change Hook (Pos. 2)
226058	Winch Kit, 1,800 lbf with Quick Change Hook (Pos. 3)
226057	Winch Kit, 1,100 lbf with Quick Change Hook (Pos. 3)

Rotational Safety Cage

219810	Rotation Guard
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Breakout

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

Control System

220549	Head Feed Down Control Kit
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Water / Mud Pumps

223766	3L8 Progressive Cavity Pump, with Water Line Kit – Helper Side
217556	3L6 Progressive Cavity Pump – Helper Side
225769	3L6 Water Line Kit – 1.25 in. Hose
224655	SPX40 Hose Pump, with Water Line Kit – Helper Side
211114	Triplex Pump Kit
224665	Triplex Pump Water Line Kit - Helper Side

Hydraulic Extruder

220643	Hydraulic Extruder Kit
221929	3 in. Shelby Tube Hydraulic Cradle Assembly

Air Compressor

223199	Air Line Oiler Kit
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Rod Racks

222177	Tool Rack Side Mount
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Toolboxes

212954	Tool Box Assembly, 53 in. – Helper Side
220714	Tool Box Assembly, 20 in. x 20 in. x 9 in. Tall – Helper Side

Additional Options

207870	LCD Display Screen Heater Kit
217038	Mud Pan, 175 gal.
202681	Nitrogen Charge Kit, GH60 Series
216816	Drill Mast Adjustable Brace Kit
214244	Field Service Kit

Model 3230DT Specifications

Overall Dimensions and Weights		
Width	80 in.	2,032 mm
Length (transport)	176 in.	4,470 mm
Length (transport)	15 ft	4.5 m
Length (deployed, lateral 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
Height (deployed; winch mast up)	24 ft	7.3 m
Approach/Departure Angle in Transport	24°	24°
Base Unit Weight	17,000 lbm	7,711 kg
Unit Weight (w/ typical options)	20,000 lbm	9,072 kg
Ground Speed	3 mph	4 kph
Track Width	15.75 in.	400 mm
Estimated Track Surface Area	1958 in ²	12,629 cm ²
Estimated Ground Pressure	8.7 psi	0.6 bar

Drill Mast Positioning		
Extension (fore and aft)	11 in.	279 mm
Lateral (side to side)	8.0 ± degrees	8.0 ± degrees
Oscillation (degrees from vertical)	11°	11°
Drill Mast Dump/Travel	25 in.	635 mm
Drill Mast Outrigger Travel	26 in.	660 mm
Rear Stabilizer Travel	26 in.	660 mm
Rear Stabilizer Width	78 in.	1,981 mm
Rear Stabilizer Lift	3,000 lbm	1,361 kg
Max Angle Drilling Ability Off Vertical	45°	45°

Drill Head Specifications		
Head Travel	84 in.	2,134 mm
Head Travel	7 ft	2.1 m
Head Crowd/Down Force	50,000 lbf	222.4 kN
Head Pull Force	80,000 lbf	355.9 kN
Head Feed Rate Down	60 fpm	18.3 m/min
Head Feed Rate Up (regen)	93 fpm	28.3 m/min
Head Feed Rate Up (non-regen)	46 fpm	14.0 m/min
Head Feed Carriage	Comp. slides	
Head Feed Pressure Control (w.o.b)	Optional	
Head Sideshift (in)	26 in.	660 mm

Prime Mover & Hydraulic Specs		
Engine	Kubota V3800 Tier 3 Flex	
Engine Rated Power	99 hp	74 kW
Fuel Capacity	40 gal	151 L
Max Pressure	4000 psi	276 bar
Max Flow	72 gpm	273 L/min

Combo Drill Head		
Direct Push Hammer		
GH70 Direct Push Hammer		
Rotary Drive Options		
6 Speed Rotary Drive		
Max Torque	8,700 ft-lbf	11,796 N-m
Max Speed	900 rpm	
4 Speed Rotary Drive		
Max Torque	6,000 ft-lbf	8,135 N-m
Max Speed	800 rpm	
2 Speed Rotary Drive		
Max Torque	6,000 ft-lbf	8,135 N-m
Max Speed	150 rpm	

Hydraulic Winch Options		
Standard Winch (Position 1)		
Line Pull	8,500 lbf	37.8 kN
Line Speed	115 fpm	35 m/min
Line Length	150 ft	46 m
Line Pull	5,000 lbf	22.2 kN
Line Speed	130 fpm	40 m/min
Line Length	125 ft	38 m
Second Winch (Position 2)		
Line Pull	1,800 lbf	8.0 kN
Line Speed	110 fpm	34 m/min
Line Length	175 ft	53 m
Line Pull	1,100 lbf	4.9 kN
Line Speed	230 fpm	70 m/min
Line Length	250 ft	76 m/min
Third Winch (Position 3)		
Line Pull	1,100 lbf	4.9 kN
Line Speed	191 fpm	58 m/min
Line Length	750 ft	229 m
Line Pull	1,800 lbf	8.0 kN
Line Speed	190 fpm	58 m/min
Line Length	175 ft	53 m

Progressive Cavity Pump		
3L8		
Max Pressure	225 psi	16 bar
Max Flow	100 gpm	379 L/min
3L6		
Max Pressure	225 psi	16 bar
Max Flow	50 gpm	189 L/min

SPX40 Hose Pump		
Max Pressure	230 psi	16 bar
Max Flow	40 gpm	151 L/min

Triplex Water Pump		
Max Pressure	750 psi	52 bar
Max Flow (gpm)	25 gpm	95 L/min

Auto Drop Hammer		
Drop height	30 in.	762 mm
Float	31 in.	787 mm

Breakout Options		
9 in. Double Clamp Pullback Breakout		
Max Clamp Force	21,000 lbf	93.4 kN
Breakout Torque	13,900 ft-lbf	18,846 N-m
Min Casing size compatible	2.25 in.	57 mm
Max Casing size compatible	8.625 in.	219 mm
Vertical Travel	12 in.	305 mm
7 in. Single Clamp Breakout		
Max Clamp Force	17,500 lbf	77.8 kN
Breakout Torque	6,000 ft-lbf	8,135 N-m
Min Casing size compatible	1.25 in.	32 mm
Max Casing size compatible	7.0 in.	178 mm
Vertical Travel	NA in.	NA mm
Vertical Travel	NA in.	NA mm

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
- Triple Winch with Telescoping Mast (Optional)
- 50K Downforce
- Drilling Control Configurations
 - Rock Coring Compatible
 - Advances 6 in. Tooling
 - Wireless and Tethered Remote Drive



Dual winch with telescoping mast.



Geoprobe Systems®
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geoprobe.com

Specifications, weight & dimensions
subject to change without notice.