



GeoDrill™

THE HIGH PERFORMANCE DRILLING ATTACHMENT



The GeoDrill™ drilling attachment is the newest, high-tech design by ABI - Germany. This versatile drilling tool is a perfect match for many job sites including those with limited access, low-headroom conditions, and long-or high-reach requirements. The ABI design features rugged components for extremely reliable operation.

GeoDrill™ Features

- ▶ Patented design by ABI - Germany. Manufactured for the North American drilling market by Hammer & Steel, Inc., St. Louis, MO.
- ▶ Sales, rentals, parts and service support provided by the nationwide Hammer & Steel branch network.
- ▶ Typical drilling diameters of 18" to 60". Larger diameter holes can be drilled in certain conditions. Drilling depths of up to 60'.
- ▶ Streamlined installation on new and used excavator carriers from the 20-ton to 30-ton class.
- ▶ All Kelly Bar sets manufactured from high strength steel. Available in both **Square Friction** and **Round Locking** styles.
- ▶ Unlike truck-mounted units, the GeoDrill attachment and excavator carrier provide ultra-fast mobilization, extended reach and access to difficult drilling sites.
- ▶ Operator-friendly controls include two custom joysticks for all drilling functions. Reliable, illuminated touch screen display for level/depth control and troubleshooting.
- ▶ Versatility in low overhead and constrained applications, with reach capability up to 15'.



- ▶ Rotary torque is supplied through the use of one ultra-high displacement, direct-drive hydraulic motor. Reliability and efficiency are greatly improved versus typical hydraulic motor and planetary designs.
- ▶ Universal drilling mast can be fitted with all rotary drive sizes, and can be ordered in standard and low-headroom configurations.
- ▶ Unique open design allows for better visual inspection of the Kelly Bars during drilling and easier routine maintenance.
- ▶ The powerful and fast Kelly winch is mounted low for better C.G. and improved cable fleet angle. UHMW nylon sheaves reduce cable wear.
- ▶ Grade angle correction up to 10 degrees left/right, 30 degrees fore/aft.
- ▶ Kelly winch: 16,860 lb. line pull, 203 feet per minute. Optional auxiliary winch: 4,496 lb. line pull, 164 feet per minute.
- ▶ Crowd cylinder force: 15,736 lb., Extraction cylinder force: 38,216 lb.

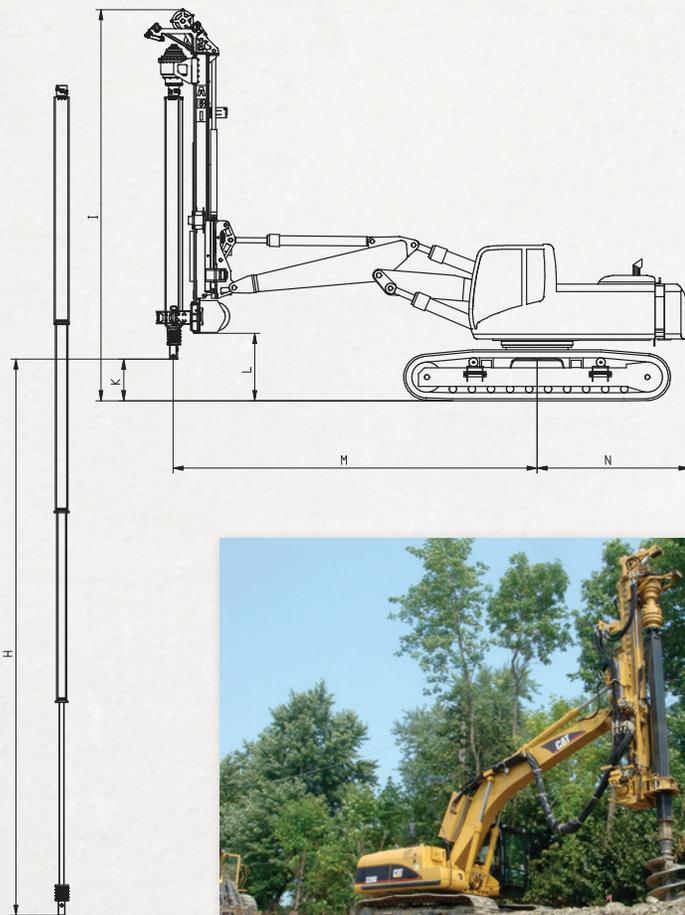


HAMMER & STEEL INC.
 PILING, PILE DRIVING EQUIPMENT, DRILLING EQUIPMENT, PARTS & SERVICE

GeoDrill™ Specifications

SPECIFICATION	UNITS	MODEL			
		24/24LH	28/28LH	33/33LH	50/50LH
Rotary Torque	ft-lbs	23,600	28,310	33,061	49,606
Typical Max. Rotary Speed*	rpm	30-60	27-54	27-54	22-44
Typical Max. Spin Off Speed*	rpm	100+	100+	100+	85
Typical Excavator Weight Class	m tons	18	20	25	30

* Performance specifications dependent upon selected excavator carrier. (Note: Design and specifications subject to change.)



DIMENSIONS (FT)	H	I	K	L	M	N
Low Head Room w/ Short Kelly	35	18.3	3	8	21.25	10.5
Low Head Room w/ Long Kelly	50	21.3	3	8	21.25	10.5
Standard Mast w/ Short Kelly	40	25.6	3	8	21.25	10.5
Standard Mast w/ Long Kelly	60	27	3	8	21.25	10.5

* Dimensions representative of Geodrill mounted on a Komatsu PC 210 excavator.



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