



HAMMER&STEEL



GeoDrill™

THE HIGH
PERFORMANCE
DRILLING
ATTACHMENT

H A M M E R & S T E E L



GeoDrill™



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 15-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.
- 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 |
| | n-m | 31,997 | 38,383 | 44,825 | 67,257 |
| Typ. Max. Rotary Speed* | rpm | 30 - 60 | 27 - 54 | 27 - 54 | 22 - 44 |
| Typ. Spin-Off Speed* | rpm | 100+ | 100+ | 100+ | 85 |
| Attachment Height (standard configuration) | ft | 23.3 | 23.3 | 23.3 | 23.3 |
| | m | 7.1 | 7.1 | 7.1 | 7.1 |
| Attachment Height (LH, low-headroom configuration) | ft | 14.0 | 14.0 | 14.0 | 14.0 |
| | m | 4.3 | 4.3 | 4.3 | 4.3 |
| Typical Excavator Weight Class | m ton | 18 | 20 | 25 | 30 |

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

H A M M E R & S T E E L B R A N C H L O C A T I O N S

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