

# Top Ten Vermeer Maxi Horizontal Directional Drill Advantages



- 1. Global Dealership Network** – Vermeer offers maxi horizontal directional drill (HDD) sales and onsite support through the largest dealership network in the industry. With over 180 dealership locations worldwide, no matter where your next project takes you, we'll be nearby.
- 2. Parts availability** – Vermeer understands how crucial parts availability is to your operations. That is why we offer certified parts matched with quick onsite support through your local Vermeer dealer.
- 3. Industry leading warranty and extended coverage** – Each Vermeer maxi HDD is covered by a standard 1-year / 1000-hour limited warranty. For customers desiring more protection, extended limited warranty options are available for an additional 2-years / 2000-hours.
- 4. Complete bi-directional filtration of the hydraulic system** – Maxi rigs by Vermeer are designed with bi-directional filters to extract contaminants from the hydraulic system in high pressure, low pressure and return circuits. Hydraulic fluid, clean of contaminants, can reduce premature wear to the unit's hydraulic pumps, motors and valves.
- 5. Simplistic hydraulic system** – Vermeer takes a simplistic approach to the hydraulic system with electric-over-hydraulic controls equipped with manual backup, aimed to keep operations continuous.

- 6. High torque / low speed hydraulic motors** – High-torque / low-speed hydraulic motors are used on the rotary and carriage drives. Speed is varied through pumps - not motors, multistage planetaries or gearboxes. On the rotary and travel drive, a high-torque motor provides the power required to push/pull and turn the drill string, along with down hole tooling with a through-shaft hydraulic motor. This design eliminates the need for a bull gear, pinion gears, and planetary gear reduction boxes, as well as reduces the amount of hydraulic hosing and electrical wiring. Plus, there are not multiple high-speed hydraulic motors mounted to the planetary boxes, reducing the overall number of components with a simple design. The travel drive uses a single-stage planetary per motor.
- 7. Thrust box bearing assembly** – The Vermeer thrust box design features a large bearing pack assembly to absorb the axial load caused by thrust/pullback. Reduced axial load to the motor can increase life.
- 8. Vise design** – Vermeer rigs are equipped with a floating top vise mounted to the carriage assembly and bottom travel vise. This design helps increase productivity as significant carriage travel time up the frame of the drill is saved when breaking out drill rod. The built-in float helps reduce premature wear to drill rod threading during make up and break out of the upper joint. The fully enclosed, triple-jaw bottom vise features replaceable blocks and dies, available in different sizes to accommodate different sizes of drill rod to meet the varying needs of customers.
- 9. Serviceability** – The rack and power pack design offers easy access to the engine and hydraulic drive systems for daily service check points and maintenance.
- 10. World HDD Leader** – Over the years, Vermeer has earned a reputation as the trenchless industry leader for innovation and support after the sale. Today, Vermeer offers the widest product line in the business, with drills ranging from 6000 pounds (27 kN) of thrust/pullback to 1,000,000 pounds (4448 kN) of thrust/pullback. No matter the project, big or small, Vermeer is equipped to offer the right solution.

