

# Vermeer®

Horizontal Directional  
Drilling System

# D36x50

*Series II*



# NAVIGATOR®

# D36x50

## Series II

### **Midsized with Big Features.**

When you need a midsized drill with big features, look no further than the Vermeer D36x50 Series II NAVIGATOR HDD with 10 foot (3 m) and 15 foot (4.5 m) rack options. With the highest power-to-size ratio in its class and narrowly designed rack and pinion, the D36x50 Series II is built to perform a wide range of medium diameter, mid-to-long distance utility installations.



**Ergonomically designed operator's station.** Designed for comfort and efficiency, the D36x50 Series II offers an elevated, manually operated swing-out seat. Auto



**Compact Design.** A narrow rack and pinion design helps to maintain small footprint for access into congested areas.



**Serviceability.** A pivoting one-piece fiberglass hood provides easy access to the engine and hydraulics compartment.



**Power-to-size ratio.** With the highest power-to-size ratio in its class, the D36x50 Series II is powered by a 140 hp (104 kw) engine and delivers 4995 ft-lb (6681 Nm) of rotary torque and 36,000 lb (16,329 kg) of thrust and pullback.



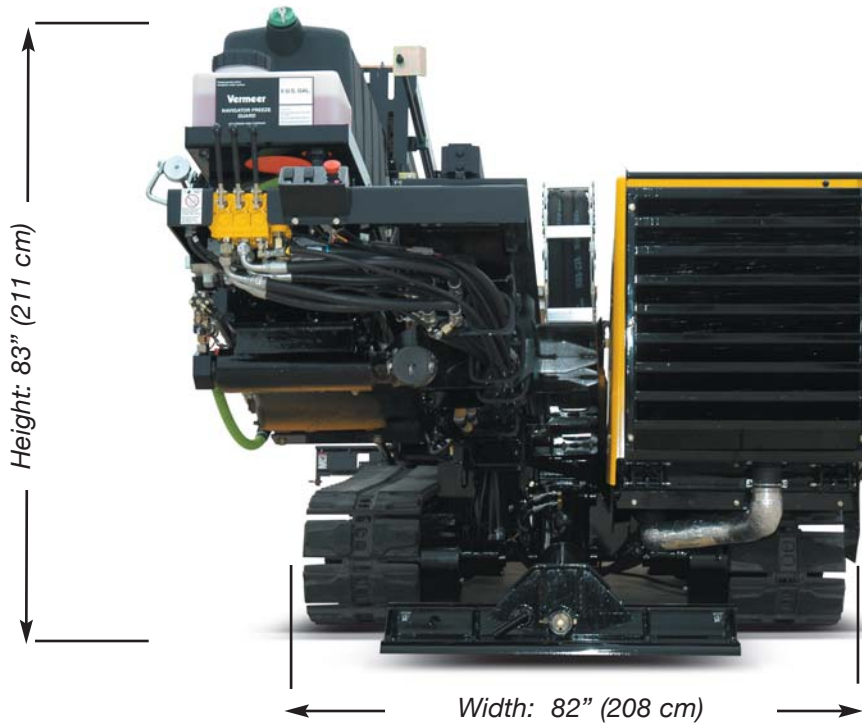
**Operation Efficiency.** For precise fingertip control, the electronic joystick controls that administer thrust and rotation also operate the on-board drilling fluid pump, breakout system and throttle operations.

**HORIZONTAL DIRECTIONAL  
DRILLING SYSTEM**

# ***D36x50 Series II***

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# ***NAVIGATOR***



Length: 15' (4.6 m): 277" (704 cm)  
Length: 10' (3 m): 212" (538 cm)



**Protect your investment.** In addition to the Vermeer Equipment Limited Warranty, Vermeer offers you peace of mind by providing additional lifetime limited warranty protection on all rack and pinion gears.\*

\* Covered components: all rack gears and pinion gears. Excludes carriage, carriage rollers and guide rollers. See policy for details



**Rod Carrying Capacity:** The D36x50 Series II carries 600' (183 m) of one-piece FIRESTICK II drill stem in 15 foot (4.5 m) lengths, or 520 foot (158.5 m) of one-piece FIRESTICK II drill stem in 10 foot (3 m) lengths. FIRESTICK II drill stem is designed to handle high torque while retaining a large inside diameter for superior drilling fluid-flow.



**Various fluid mixing systems are available.**



**Vermeer one-piece, forged FIRESTICK rods** feature threads designed specifically for directional boring. An exclusive steel formula increases rod memory and reduces flex fatigue for added rod life and dependability.



**Wetting agents, polymers, and bentonites** — you need the right mix to get through the tough bores. Vermeer offers specially formulated nontoxic polymer and bentonite drilling fluids to get the job done.



**The efficient, economical way to plan a bore.** Vermeer ATLAS BORE PLANNER® software heightens professionalism by aiding the operator in preplanning the bore and comparing the planned bore path with the actual bore path. The Vermeer FieldCalc system combines software and a handheld computer to provide job site calculations, including setback distance, pullback time and point-to-point calculations.



## D36x50 Series II Specifications

### General

Length: 15' (4.6 m): 277" (704 cm)  
 Length: 10' (3 m): 212" (538 cm)  
 Width (fixed tracks): 82" (208 cm)  
 Height: 10' (3 m): 75" (191 cm)  
 Weight (15'/4.6 m): 21,920 lb (9943 kg)  
 Weight (10'/3m): 19,800 lb (8981 kg)  
 Breakout system: Power-vise  
 Stakedown system: Stationary, dual stakes

### Operational

Max spindle torque: 4995 ft-lb (6772 Nm)  
 Max spindle speed: 206 RPM  
 Thrust (actual): 36,000 lb (16,329 kg)  
 Pullback (actual): 36,000 lb (16,329 kg)  
 Carriage Speed: 175 fpm (53 m/min)

### Power

Engine: John Deere Diesel 4045 (4.5L)  
 Tier II Turbo  
 Gross hp: 140 hp (104 kw)  
 Max. governed speed: 2400 RPM

### Drill Stem

Type: FIRESTICK® II  
 Length: 15' (4.6 m) or 10' (3 m)  
 Joint diameter: 2.75" (7 cm)  
 Pipe diameter: 15' (4.6 m); 2.625" (7 cm)  
 Pipe diameter: 10' (3 m); 2.375" (6 cm)  
 Minimum bend radius: 15' (4.6 m); 145.5' (44 m)  
 Minimum bend radius: 10' (3 m); 108' (33 m)  
 Weight: 15' (4.6 m); 143 lb (65 kg)  
 Weight: 10' (3 m); 81 lb (36.7 kg)  
 Rod carrying capacity: 15' (4.6 m); 600' (183 m)  
 Rod carrying capacity: 10' (3 m); 520' (159 m)

### Fluid Capacities

Engine oil (including filter): 15.5 qt (14.7 L)  
 Fuel tank: 42 gal (159 L)  
 Hydraulic reservoir: 55 gal (208 L)

### Water Pump Options

50 gpm (189 L/pm) Apex Mud Pump  
 50 gpm (189 L/pm) FMC Mud Pump  
 70 gpm (318 L/pm) Apex Mud Pump

# Vermeer offers everything from specialty tooling to training and technology.

At any given time, more than half of all horizontal directional drilling units in the world are Vermeer NAVIGATOR machines. To help ensure smooth-running operations, Vermeer offers everything you need – from one-day training seminars to computer software – for more efficient bore planning and performance.



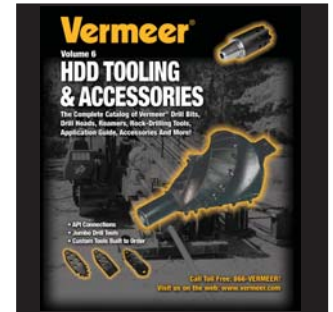
**Get the parts and service edge.** In addition to providing quality equipment, Vermeer delivers top-quality parts and superior services. Vermeer parts are manufactured to exacting specifications to help keep your Vermeer equipment running trouble-free and at OEM specifications.



**Vermeer features a global team of NAVIGATOR HDD solutions specialists** that provide localized training and operation expertise designed for the conditions in your area.



**One-day horizontal directional drilling seminars** offered by industry experts at a Vermeer dealership near you focus on current issues in the horizontal directional drilling industry.



**The Vermeer Cutting Edge Group** produces some of the world's most popular HDD tooling, specialty tooling, and custom-made tooling. Call for a **FREE HDD accessories catalog!**

# Vermeer®

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