

Vermeer®

Horizontal Directional
Drilling System

D36x50

Series II



NAVIGATOR®

Midsized with Big Features.

When horizontal directional drill operators talk, Vermeer listens. That approach has helped make the Vermeer line of Navigator® horizontal directional drills an industry leader. Equipped with innovative features and options, Vermeer offers the D36x50 Series II.

Powered by a John Deere 4045 Tier 3 diesel engine providing 36,000 lb (160.1 kN) of thrust/pullback force and 4995 ft-lb (6772.3 Nm) of torque, the D36x50 Series II is ready for a wide range of bores, even in some of the most difficult ground conditions.

An ergonomically designed operator's station features the Vermeer-exclusive Multi-Function Display (MFD), an integrated remote display that is compatible with select DCI drill head locator systems.

For precise fingertip control of key machine operations without taking your eyes off the bore path, the D36x50 Series II is equipped with dual electronic joysticks.

With the highest power-to-size ratio in its class and a narrow rack-and-pinion design for a small footprint, the D36x50 Series II is built to perform.



Climate-controlled cab. The climate-controlled cab option provides 360-degree visibility, allowing the operator to easily monitor all machine operations for enhanced operator efficiency and comfort on the jobsite.



AutoDrill allows the operator to set the rotation and thrust/pullback pressure while drilling in changing soil conditions. The patent-pending Auto Resume function (pictured) allows slurry/cuttings to mix before thrust/pullback resumes.



Operator's station. As a standard component mounted on the ergonomically designed operator's station, Multi-Function Display (MFD) is an integrated remote display that offers operators the ability to use with select DCI drill head locator systems which enhances flexibility and ease of operation.

Horizontal Directional Drilling System



**LIFETIME
WARRANTY**

75"
(190.5 cm)



*Protect your investment.
The industry-exclusive Vermeer Equipment
Limited Warranty offers you peace of mind by
providing additional lifetime warranty
protection on all rack-and-pinion gears.*

*Height. The D36x50 Series II features a low
profile for improved sidehill stability and ease
of loading/unloading. Plus, this design offers
exceptional visibility from the elevated
operator's station.*



D36x50 Series II Specifications

General

Length with 10' (3 m) rod: 21.3' (6.5 m)
 Length with 15' (4.6 m) rod: 25.8' (7.9 m)
 Width (transport, no cab): 83" (210.8 cm)
 Width (transport, cab): 90" (229 cm)
 Height: 75" (190.5 cm)
 Height (with cab): 89" (226.1 cm)
 Weight [with 10' (3 m) drill rod]: 19,800 lb (8981.1 kg)
 Weight [with 10' (3 m) drill rod and cab]: 20,550 lb (9321.3 kg)
 Weight [with 15' (4.6 m) drill rod]: 21,850 lb (9911 kg)
 Weight [with 15' (4.6 m) drill rod and cab]: 22,600 lb (10,251.2 kg)

Power

Engine: John Deere Diesel 4045 Tier 3 Turbo
 Gross power rating: 140 hp (104.4 kW)
 Rated rpm: 2400

Fluid Capacities

Engine oil (including filter): 15.5 qt (14.7 L)
 Fuel tank: 45 gal (170.3 L)
 Hydraulic tank: 45 gal (170.3 L)

Operational

Max spindle torque:
 Low: 4995 ft-lb (6772.3 Nm)
 Medium: 3746 ft-lb (5078.9 Nm)
 High: 2498 ft-lb (3386.8 Nm)
 Max spindle speed: 227 rpm
 Thrust: 36,000 lb (16,329.3 kN)
 Pullback: 36,000 lb (16,329.3 kN)
 Min bore diameter: 3.5" (8.9 cm)
 Max ground drive speed: 1.5 mph (2.42 km/h)
 Max carriage speed: 175 fpm (53.3 m/min)
 Drill rack angle: 0-18 degrees
 Automated rod loader: Yes
 Electrical Strike Alert: Yes

Drilling Fluid System

Max flow: 50 gpm (189.3 L/min) or 70 gpm (265 L/min)
 Max pressure: 1300 psi (89.6 bar)

Options

Rubber or steel tracks
 Climate-controlled cab
 Drilling lights
 Bucket greaser: 1 gal (3.8 L)

Drill Stem 10'

Type: Firestick
 Length: 10' (3.1 m)
 Pipe diameter option: 2.375" (6 cm) or 2.625" (6.7 cm)
 Min bend radius [2.375" (6 cm)]: 108' (32.9 m)
 Min bend radius [2.625" (6.7 cm)]: 145' (44.2 m)
 Weight [2.375" (6 cm)]: 81 lb (36.7 kg)
 Weight [2.625" (6.7 cm)]: 117 lb (53 kg)
 Rod carrying capacity [2.375" (6 cm)]: 500' (152.4 m)
 Rod carrying capacity [2.625" (6.7 cm)]: 450' (137.2 m)

Drill Stem 15'

Type: Firestick
 Length: 15' (4.6 m)
 Pipe diameter option: 2.375" (6 cm) or 2.625" (6.7 cm)
 Min bend radius [2.375" (6 cm)]: 108' (32.9 m)
 Min bend radius [2.625" (6.7 cm)]: 145' (44.2 m)
 Weight [2.375" (6 cm)]: 120 lb (54.4 kg)
 Weight [2.625" (6.7 cm)]: 165 lb (74.8 kg)
 Rod carrying capacity [2.375" (6 cm)]: 600' (182.9 m)
 Rod carrying capacity [2.625" (6.7 cm)]: 525' (160 m)

Measured to exact tolerances. Firestick® drill stem from Vermeer is designed to handle high-torque drilling situations while retaining a large inside diameter for superior drilling fluid flow. Constructed of Vermeer specified high carbon alloy steel, Firestick drill stem features one-piece, forged rods that have been heat-treated for uniform strength and consistent quality.



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 horizontal directional drills. 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.

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! Call 1-866-VERMEER or view online at www.vermeer.com.



High volume. The MX240 Modular Drilling Fluid System is designed to deliver fast mixing of drilling fluid for larger-diameter and long-distance HDD applications.

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.

Locating systems are developed by working closely with the world's premier locating companies. Vermeer helps keep you on the leading edge of technology by offering a variety of options designed to meet the needs of varying applications.



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

Position HDD as green with e-CALC by Vermeer, a software tool developed to help estimate and compare the carbon emissions of various underground installation methods, including horizontal directional drilling and open-cut with excavators.

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 hand-held computer to provide jobsite calculations, including setback distance, pullback time and point-to-point calculations.

The Vermeer dealer network: Reliable support, all over the world.



With nearly 200 locations across the globe - you're never far from an independent, authorized Vermeer dealer. Our dealers are in place to support your success with product expertise that's second to none.



When you need service, you can count on your local Vermeer dealer. With multiple locations, remote service trucks, and factory-offered technician training, your local Vermeer dealer offers reliable service that keeps your equipment running.



Vermeer parts are designed and manufactured to original specifications, so whether they're new parts or replacement parts, they'll live up to the Vermeer name.



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