

Vermeer®

Horizontal Directional
Drilling System

D20x22

Series II



NAVIGATOR®

D20x22

Series II

Where versatility meets power.

The D20x22 Series II combines the Vermeer reputation for quality and industry experience with cutting edge technology to boost productivity on today's demanding jobsites.

Just as there are not typical jobsites; this is no typical drill. From narrow urban utility installations to long-range easement work, the D20x22 Series II is designed with versatility in mind.

Powered by a 83 hp (62 kW) Kubota turbocharged diesel engine, the unit provides 2,200 ft-lb (2,983 Nm) of torque for turning cutting tools and pulling back eamers. With 20,000 lb (89 kN) of thrust/pullback, the D20x22 Series II provides the performance to complete a wide range of bores.

Designed with a similar configuration to other Vermeer horizontal directional drills (HDD), fingertip controls are mounted on two joysticks within the comfortable operator's station.

A true multi-use machine with the ability to work in varying soil conditions including solid rock, the D20x22 Series II is compatible with the Rock Adaptable Terrain Tool (R.A.T.T.) system.



Maneuverability. At less than 76" (193 cm) in height, the low profile design provides better sidehill stability and ease of transport in comparison to taller competitive models.

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.



Operator's station. The D20x22 Series II operator station is designed for operator comfort and productivity.

Horizontal Directional Drilling System



Versatility.

The Rock Adaptable Terrain Tool (R.A.T.T.) offers operators the ability to drill and steer through varying soil conditions including soft soil, gravel, cobblestone, and solid rock without the need for specialized machines.



AutoDrill allows the operator to set thrust/pullback speed, thrust/pullback pressure, or rotation pressure mode while drilling in changing soil conditions. The patent pending Auto Resume function allows slurry/cuttings to mix before thrust/pullback resumes.



Tethered Ground Drive.

For enhanced visibility during loading/unloading, a tethered ground drive controller is available as an option.



Serviceability. *A one-piece, hinged hood provides easy access to the engine and vital components during maintenance.*



Vermeer one-piece, forged Firestick® rods feature superior bend radius with threads designed specifically for directional drilling.

D20x22 Series II Specifications

General

Length: 200.5" (504 cm)
Width: 50" (127 cm)
Height: 76" (193 cm)
Weight (with drill rod): 10,600 lb (4808 kg)

Operational

Max spindle torque: 2200 ft-lb (2983 Nm)
Max spindle speed: 205 rpm
Thrust (actual): 20,000 lb (89 kN)
Pullback (actual): 20,000 lb (89 kN)
Min bore diameter: 3.5" (9 cm)
Max ground drive speed: 2.5 mph (4 km)
High carriage speed: 135 fpm (41 m/min)
Low carriage speed: 90 fpm (27 m/min)
Automated rod loader: Yes

Power

Engine: Kubota 3800 Turbo
Gross power rating: 83 hp (62 kW)
Max high idle: 2400 rpm

Drill Stem

Type: Firestick® I
Length: 10' (3 m)
Pipe diameter: 2.06" (5.2 cm)
Weight: 59 lb (27 kg)
Min bend radius: 101' (31 m)
Rod carrying capacity: 350' (107 m)

Drilling Fluid System

Max flow: 25 gpm (95 L)
Max pressure: 750 psi (52 bar)

Fluid Capacities

Engine oil (including filter): 9 qt (8.5 L)
Fuel tank: 25 gal (95 L)
Hydraulic reservoir: 23 gal (87 L)

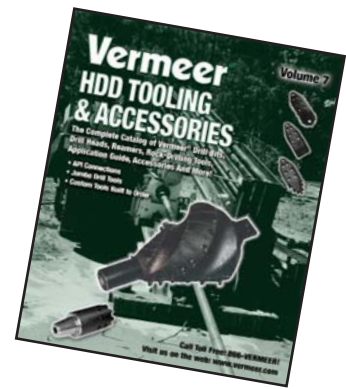
Options

Bucket greaser
Tethered ground drive control



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.



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 (U.S.A. only)



High volume. The MX125 modular drilling fluid system is designed to deliver fast mixing of drilling fluid for mid-range 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.



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 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 job site calculations, including setback distance, pullback time, and point-to-point calculations.

Your Complete Global Service Provider for Quality Parts and Service



The Preventive Maintenance Plus program offers you flexibility in choosing a preventive maintenance plan that best fits your situation and service needs.



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



Vermeer offers factory-certified training programs to its dealer network to ensure that the most current service procedures are presented to the service personnel of your Vermeer dealer.



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