

D60x90 HORIZONTAL DIRECTIONAL DRILL



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## Coming to a city near you.

From its conception, the new Vermeer D60x90 Navigator® horizontal directional drill (HDD) was intended to simply do more in less space. The result is one of the highest power-to-footprint ratios that Vermeer has ever produced in a self-contained HDD.

Powered by a 185 hp (138 kW) Interim Tier 4 (Stage IIIB) John Deere diesel engine, it generates up to 60,000 lb (266.9 kN) of thrust/pullback and 9000 ft-lb (12,202.4 Nm) of rotational torque. All of this comes within a modest footprint, qualifying the D60x90 for a range of projects, including those in confined urban settings.

Customize the D60x90 to your unique needs and preferences by choosing from a list of options that includes three Firestick® drill rod options in 10' (3 m) and 15' (4.6 m) lengths, stakedowns, climate-controlled cab, rubber or steel tracks and dual operator screens among others.



**1:** Includes a large opening, open top vise allowing the passage of larger tooling. Because of the large opening, operators can also use it to break out tooling.

**2:** Straightforward and reliable rod loader is inspired by the popular and proven D24x40 Series II Navigator HDD design.

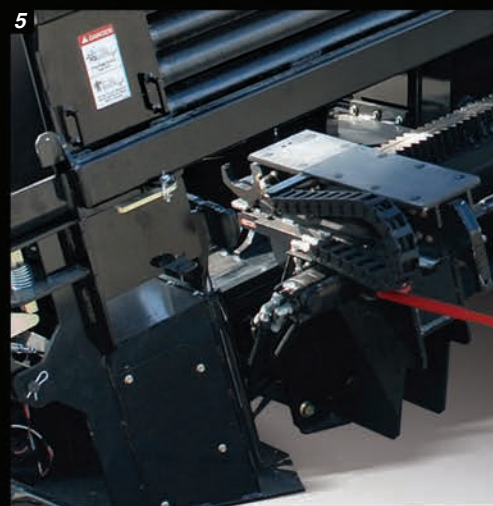
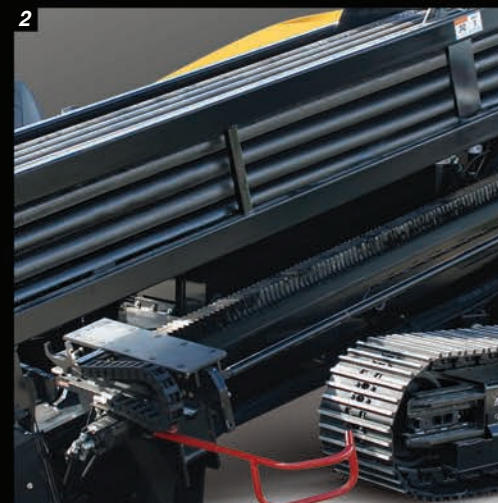
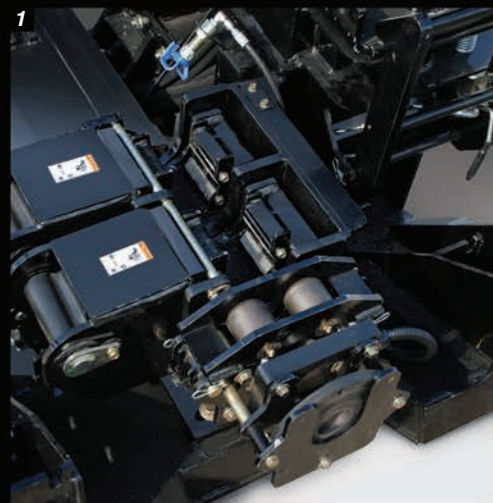
**3:** Standard 7" (17.8 cm) LCD color monitor offers visibility to key drilling function parameters, as well as DCI locator information.

**4:** Select the optional, climate-controlled cab and drill in ultimate comfort.



**5:** With considerations to ease of use, the quick-change rod box reduces the need to manually load drill rod.

**6:** Experience the difference that has made one-piece, forged Firestick drill rod the industry benchmark.



# D 6 0 x 9 0   S P E C I F I C A T I O N S

## DIMENSIONS

Length with 10' (3 m) rod: 24' (7.3 m)
Length with 15' (4.6 m) rod: 26' (7.9 m)
Width (transport): 90" (228.6 cm)
Height (no cab): 79" (200.7 cm)
Height (cab): 104" (264.2 cm)
Weight with 10' (3 m) rod: 32,000 lb (14,515 kg)
Weight with 15' (4.6 m) rod: 36,000 (16,329.3 kg)

## OPERATIONAL

Max spindle torque: 9000 ft-lb (12,202.4 Nm)
Max spindle speed: 200 rpm
Thrust: 60,000 lb (266.9 kN)
Pullback: 60,000 lb (266.9 kN)
Max carriage speed: 175 fpm (53.3 m/min)
Drill rack angle: 14-18 degrees

## DRILLING FLUID PUMP

Drilling fluid pump – Option 1
Max flow: 150 gpm (567.8 L/min)
Max pressure: 1200 psi (82.7 bar)
Drilling fluid pump – Option 2
Max flow: 70 gpm (265 L/min)
Max pressure: 1200 psi (82.7 bar)

## FEATURES

Wireless ground drive remote control: Standard
Drilling lights: Standard
Climate-controlled cab: Optional
Stakedowns: Optional
Dual operator monitors: Optional
Steel or rubber tracks

## SAFETY

Remote lockout: Standard
Electric strike alert: Standard

## POWER

Engine: John Deere 6068 Turbo
Gross power rating: 185 hp (138 kW)
Emissions classification: Interim Tier 4 (EU Stage IIIB)

## DRILL STEM

Firestick drill rod – Option 1
Length: 10' (3 m)
Pipe diameter: 2.875" (7.3 cm)
Max bend radius: 168.7' (51.4 m)
Weight: 125 lb (57 kg)
Rod carrying capacity: 400' (121.9 m)
Firestick drill rod – Option 2
Length: 15' (4.6 m)
Pipe diameter: 2.875" (7.3 cm)
Max bend radius: 168.7' (51.4 m)
Weight: 145 lb (65.8 kg)
Rod carrying capacity: 600' (182.9 m)
Firestick drill rod – Option 3
Length: 15' (4.6 m)
Pipe diameter: 3.5" (8.9 cm)
Max bend radius: 197.4' (60.2 m)
Weight: 234 lb (106.1 kg)
Rod carrying capacity: 360' (109.7 m)

To help ensure smooth-running operations, your local Vermeer dealer offers everything from training and tooling, to electronics and software.



*Vermeer Cutting Edge offers tooling built to the exacting specifications of Navigator HDDs, and backs it up with industry-leading product knowledge and availability.*



*It's in the mix. Select Vermeer drilling fluid systems feature a modular design for flexible mounting options.*



*Pick up bentonites, polymers and wetting agents from your Vermeer dealer.*



*The family of DCI DigiTrak® locators offers the industry standard in technology and ease of use.*



*The global team of Vermeer Navigator specialists provide localized training and expertise to the drilling conditions in your area.*



*Vermeer e-CALC estimates project emissions and can demonstrate environmental advantage to trenchless over competitive methods.*

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