

ATLAS BORE PLANNER[®],
FIELD CALC[™], TERRAIN MAPPING



Bore Planning Tools



ATLAS BORE PLANNER

Vermeer® ATLAS BORE PLANNER® bore planning software system is your key to increased productivity. Designed to work with a wide range of locating systems, the patent-pending ATLAS BORE PLANNER software helps contractors, engineers, and utility companies get the job done right the first time. The ATLAS BORE PLANNER software increases boring accuracy by providing a graphic visualization of the job, helping a crew see and perform the job from start to finish.

By choosing drill stem diameter and length, desired bore path depth, desired minimum cover, diameter and allowable bend radius of the product pipe, the software plots a proposed bore path. The bore path is provided in two formats, one screen showing a top and side view, the other showing a report that lists the numerical depth and pitch of each drill stem.





Improve Bid Accuracy with ATLAS BORE PLANNER software. Users are better able to generate more accurate bid proposals because the software allows simulation of multiple bores, calculates how much drill stem is needed, and gives an understanding of the difficulty of the job. The system also provides a permanent record of the bore for future reference.

Easy-To-Use Software makes the system user-friendly. The industry exclusive Quick Insert, Quick Move and Quick Delete features facilitate easy operation. Topography and bore path target points are easily changed by clicking on the target and dragging it into position. Color-coded utilities are entered by selecting a utility type from the menu and placing it in position.



Pocket ATLAS BORE PLANNER – Big Power in a Handheld Program.

In an effort to deliver bore planning technology where it's needed most – in the field – the Pocket Atlas Bore Planner operates on a handheld computer. With many of the same features as ATLAS BORE PLANNER, the Pocket ATLAS BORE PLANNER software system increases boring accuracy. This new generation of electronic bore planning greatly enhances user mobility, plan development and in-the-field planning.

Bore Planning Software

ATLAS BORE PLANNER

ATLAS BORE PLANNER features the following:

- Generates a proposed rod-by-rod plan for the operator to follow.
- Topography, utilities and bore planning targets can easily be entered or moved.
- Helps prevent equipment or product damage by warning if the bore path plan exceeds the drill stem or product minimum bend radius.
- A planning phase warning if the bore path crosses too closely to a utility preventing utility strikes on the jobsite.
- Enter at least one target point and the software can automatically create an entry and exit point.
- English or metric units of measure.
- Eight languages: English, French, German, Italian, Spanish, Portuguese, Danish or Dutch.

ATLAS BORE PLANNER PRO VERSION

ATLAS BORE PLANNER PRO VERSION adds more functionality to the program with these features:

- Permits bore path data to be electronically downloaded from the remote during or after the job to create asbuilt maps.
- Allows users to compare the actual bore path to the planned bore path during the job.
- Links electronically to locating systems to load bore plan information directly to the locator remote.
- Links to DCI, McLaughlin and Radiodetection locator remotes.

Operating System Requirements:
Any desktop, handheld or laptop computer running Windows 95, Windows 98, Windows NT, Windows 2000, Windows ME or Windows XP.

Pocket ATLAS BORE PLANNER

Features:

- Boasts many of the same great features as ABP
- Bore Planning Wizard quickly steps the user through the bore plan
- Downloads/uploads into ABP
- Imports Terrain Mapping data

The Ultimate Bore Planning Calculator.

For fast HDD calculations in the field, the FieldCalc™ System is the latest, easy-to-use bore-planning and mapping tool available from Vermeer. This software allows users to calculate setback distance, figure point-to-point bore paths, estimate pullback time and hole volumes and configure outside diameter of multiple ducts.

FieldCalc software is quick and easy to use, and runs on a handheld computer so operators can easily make calculations in the field while drilling. It is available as a complete package preloaded onto a COMPAQ iPAQ pocket PC or the software can be purchased separately through the Vermeer dealer network.

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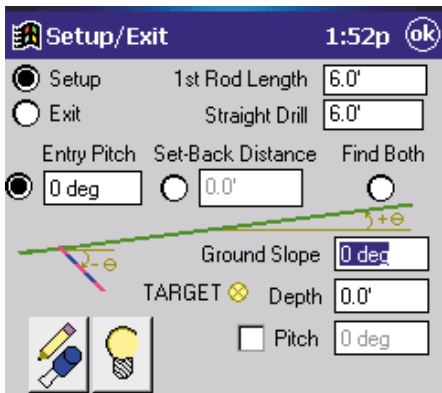


Field Calc

Features:

- Quickly figures setback distance without overstressing the drill stem
- Calculates stem-by-stem plan from current location to a desired point
- Estimates the pullback time per stem given your mud pump size
- Configures the diameter and orientation of a multi-product, multi-diameter bundle
- Provides a pre-drill checklist enabling the crew to have the right tools for the job

Avoid Overstressing. Simply enter the depth and pitch of a target and the FieldCalc software calculates the required setback distance and entry angle providing a stem-by-stem plan to the desired target.



Terrain-Mapping System – Increase Topography Accuracy.

The Terrain-Mapping System is a lightweight laser-ranging instrument that allows quick and accurate collection of job site data. Information can quickly and conveniently be uploaded to ATLAS BORE PLANNER software for a completely integrated job site approach.



A One-Person, Line-Of-Sight Operation, the Terrain-Mapping system uses a reflective laser to direct a beam to a stationary prism, which reflects the beam back to the laser providing height and distance readings. The program can provide a range of distance up to 1200 feet (366 m) without moving the prism.



Worldwide Coverage With a Local Touch. Your independent, authorized Vermeer dealer knows your local conditions and is ready to provide expert support, service and parts, wherever your job site.



Terrain-Mapping System

Features:

- Quickly collects accurate topography and existing utility information for efficient job site preparation
- Reflective laser enables one person operation
- Easy to use software simplifies operation
- 600+ ft. distance range features 2 - 4" height accuracy
- Data downloads directly into the ATLAS BORE PLANNER and Pocket ATLAS BORE PLANNER

Specifications:

General

Weight: 2.2 lb (1 kg)
Size: 6.0 x 2.5 x 5.0" (15.2 x 6.4 x 12.7 cm)
Maximum range: 1880 feet (575 m) to a cooperative target
Range resolution: 0.05 feet (0.01 m)
Inclination limits: $\pm 180^\circ$
Inclination accuracy: $\pm 0.1^\circ$
Power: Two AA batteries provide up to 20 hours of use

Package

Includes laser unit, optional CE device (Compaq computer), laser pole with bipod legs, prism pole with tripod legs, prism, all connection cables (upload/download) and carrying case.



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