

R.A.T.T.

Rock Adaptable Terrain Tool

Drills And Steers In:

- **Rock**
- **Cobble**
- **Hard Pan**
- **Clay**
- **Sand**
- **DIRT**

- **Single Rod Setup, No Dual Stem Necessary**
- **Full Pullback Capabilities With Same Torque**

Get there and back with Vermeer®!

Providing the Versatility You Desire.

The R.A.T.T. drillhead tool was designed for Vermeer® NAVIGATOR® horizontal directional drills (HDD), models D20x22 up to D36x50 Series II. The R.A.T.T. tool has the capability to drill and steer in most soil conditions – from soft soil, gravel, cobblestone, or solid rock. A single setup for various soil conditions in a pilot bore means that there is no need to change the tools.

About the R.A.T.T. Drillhead Tool:

- A circular hole is made during drilling and steering through continuous active cutting.
- The bent sub design of the R.A.T.T. tool creates a consistent cutting pattern from the bit, allowing the R.A.T.T. tool to be drilled and steered using less torque, therefore causing less vibration, optimizing cutting action, and helping operators achieve more efficiency while on the job site.
- If needed, high rotational torque (maximum 1770 ft-lb / 2400 Nm) and thrust/pull back (maximum force of the machine) can be applied to the R.A.T.T. drillhead.
- Operators may work with low flow rates or fluid with a high viscosity such as gels, which helps prevent fracture break outs.
- May be used with conventional walk-over navigation systems and steering tool technology.

Vermeer offers everything from specialty tooling to training and technology.



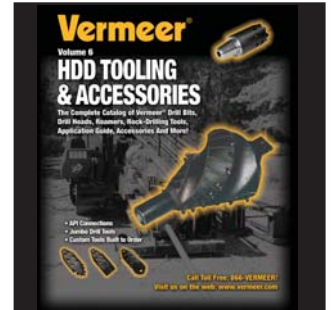
Get the parts and service edge. In addition to providing quality equipment, Vermeer delivers top-quality parts and superior services. Vermeer parts are manufactured to exacting specifications to help keep your Vermeer equipment running trouble-free and at OEM specifications.



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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