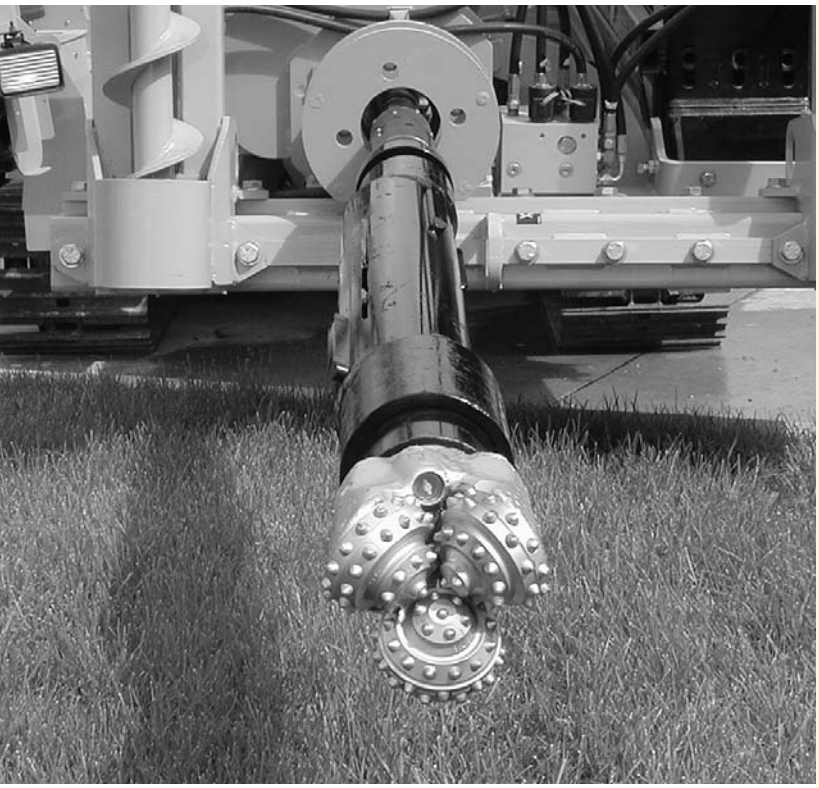
RS6/RS8

Rock-Drilling Systems



Vermeer Breaks Through With the RS6 and RS8 Rock Drilling Systems!

The Vermeer® RS6/RS8 is an effective tool for bores such as road or creek crossings where rock may be encountered and the contractor does not need, nor want, to gear up for a full rock boring system using mud motors or pneumatic rock drilling systems.

The patented RS6/RS8 is a specialized rock drilling head assembly utilizing a specialized tri cone roller bit and drill head housing. The tri cone bit is driven using a shaft and bit adapter. The drill head housing is offset from the shaft and remains stationary while drilling, constantly causing a steering action. Directional control is accomplished by changing the orientation of the housing using a patented jaw clutch mechanism to engage the housing to the drill stem. The RS6/RS8 allows an HDD machine to be quickly converted to a rock drilling machine by simply having the tool on site.
Key features of the system include:

- *No special machine requirements*
- *Simple setup*
- *Flow requirements as low as 10 gpm*
- *Uses conventional drill stem, allowing high torque and flow*
- *Use of standard locator transmitters*
- *Short tool length for reduced setup space requirements*
- *Transmitter placement in tool allows quicker detection of pitch change than with mud motor assemblies*
- *Enhanced efficiency when used with Rockfire® Ready HDD Machines*
- *Unique tri cone bit assembly enhances steering efficiency*

The RS6 is offered with a Splinelok® connection for easy interchangeabilty with other tools when differing ground conditions are encountered. An operator can change from a dirt head to a TriHawk® bit to the RS6 by simply interchanging drill heads at the starter rod.

For a minimum footprint set-up that is effective in solid rock drilling conditions, try the RS6/RS8. Others steer clear of rock. Vermeer steers clear through it. Break through, with the Vermeer RS6/RS8 rock drilling system!

RS6/RS8

Rock-Drilling Systems

RS6 Specifications

Machine Compatibility: D24x33, D24x26, D24x40(A), D33x44, D36x50, D40x40
Bit Diameter: 7" (17.8 cm)
Length: 62" (157.5 cm)

RS8 Specifications

Machine Compatibility: D50x100 (A), D55x100, D75x100, D80x100, D80x120, D100x120
Bit Diameter: 8.75" (22.2 cm)
Length: 57.5" (146cm)

Bit Selection

Soft-Medium Formation Bit (IADC 537): 5000-15000 psi
Hard Formation Bit (IADC 737): 15000 + psi

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