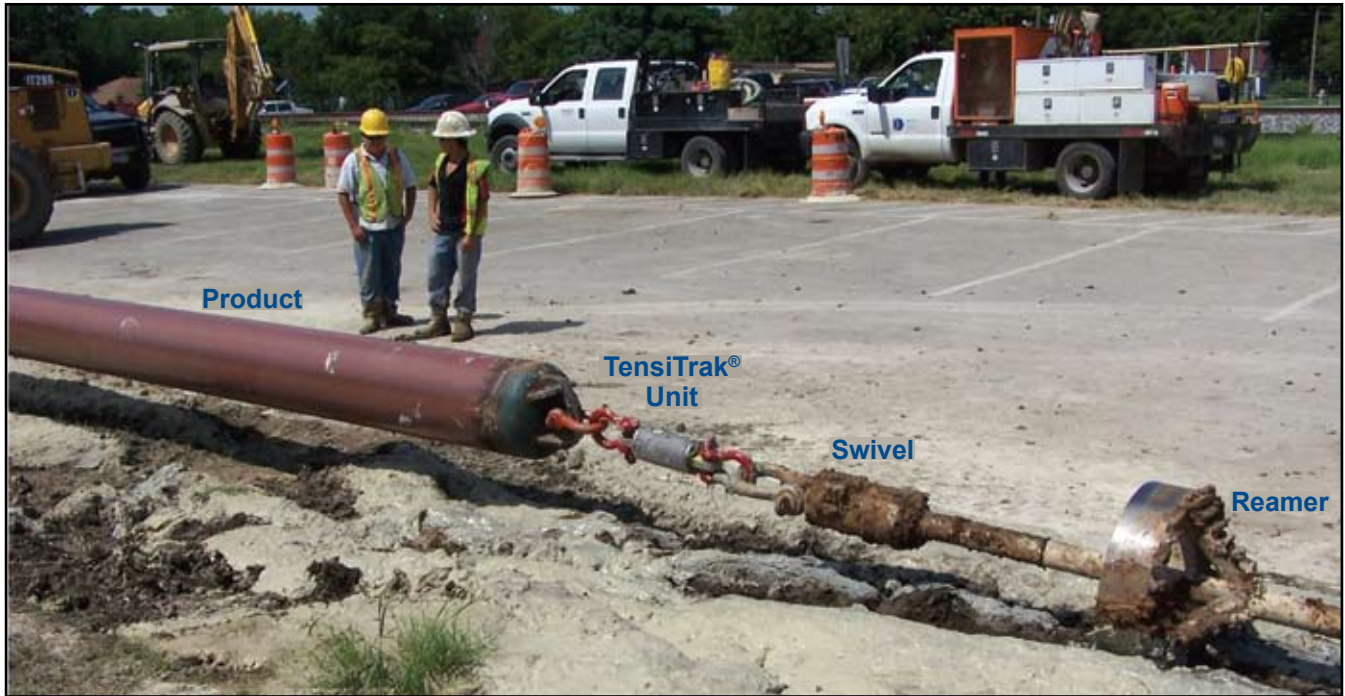
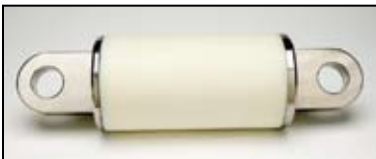


DigiTrak® ECLIPSE® TensiTrak® Pullback and Pressure Monitoring System



The DigiTrak® Eclipse® TensiTrak® Pullback and Pressure Monitoring System provides critical installation data to HDD operators, allowing real-time monitoring of product pull force and downhole mud pressure without a wire.

Real-time pull force/tension monitoring can prevent damage to the product and costly reinstallation. Knowledge of the downhole mud pressure can assist in preventing frac-outs (inadvertent fluid returns) or, even worse, road buckling.



The TensiTrak® unit, installed between the reamer and the product, transmits data to an Eclipse® receiver. The TensiTrak® real-time pull force and mud pressure data are stored in the Eclipse® receiver. This data can be downloaded to a PC for analysis and archiving, but it cannot be changed or modified. The TensiTrak® unit itself stores and updates the maximum pull force value to ensure that this value always gets recorded, even if the receiver is out of range for a portion of the pullback.

- Real-time product pull force and downhole mud pressure readings displayed at receiver and at drill
- Strong signal for overcoming interference without using a wire
- Accurate tracking of installation depth and location
- Data can be downloaded and plotted on a PC

The TensiTrak® system is available as an option with a new Eclipse® system or as an upgrade to existing Eclipse® systems.

TensiTrak® Specifications

Model number.....	TT
Power source.....	3 C-cell batteries or DCI SuperCell™ battery with spacer
Battery life.....	15 hr (approx.)
Outer diameter.....	5.5 in. (140 mm)
Length.....	19.5 in. (495 mm)
Absolute max. mud pressure	127 psi (876 kPa)
Trackable range.....	60 ft (18.3 m)
Maximum pull force	100,000 lb (445 kN)



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