

TRACKING SYSTEMS

Walkover Locators



Digital Control Inc.

The DigiTrak Eclipse system displays the drill head location and locate points in a “real-time” bird’s-eye view. The easy to learn and operate Eclipse system is also fast and very accurate. All new systems are dual frequency capable – older systems

can be upgraded. All transmitters are sewer grade with pitch readings in 0.1 degree increments. The locating frequency was designated at such a level because it results in the least amount of interference. Programmable target depth and remote steering function is standard. 800.288.3610, digital-control.com



Ditch Witch

The Subsite 752 Tracker/752 Display is a multi-function unit with three primary methods of operation: walk-over beacon tracking, remote guidance, and line locating modes. It can receive data up to 2,000 feet from the 752 Tracker, store up to 10 jobs and provide

downloads to the TMS Plus system for as-drilled maps. The system

can track bore depths from 0.75 - 100 feet. For walkover tracking, The 752 Tracker uses fore/aft and left/right indicators as well as signal strength to aid in tracking the beacon during the bore. Frequency settings of 8 kHz and 60 Hz or 50 Hz passive power assist in identifying the location of buried cable, wire, etc. LCD clearly displays beacon information, including pitch, roll, depth, temperature and battery status. 800.645.6481, ditchwitch.com



Radiodetection

Radiodetection’s itrack tracking and guidance system for horizontal directional drilling machines keep a bore on track, on time and within budget. The system comprises an itrack Receiver, a DataView unit, one or more DataSonde and Radiodetection’s Borelog software. With a single operator and remote steering, there is no need to dig trenches; and roads and rivers can be crossed without costly disturbance to daily traffic using the itrack. Remote steering

LED display allows the drill head operator to see where the drill head is and to compensate to keep on track. +44 0117 9767776, radiodetection.com

Wireline Systems

Radius HDD Tools



A lost housing door or lid has cost contractors thousands of dollars in replacement sondes, down time, damaged tools and lost bores. In today’s

HDD industry, professional contractors have no time for tooling failures. The Radius “Lock & Load” sonde housing is designed to offer the protection of an end load sonde housing with the access of a side load unit. The patent pending window is designed significantly smaller than the transmitter. It is engineered to withstand greater rotational torque, while reducing the “flexing” that causes other doors to fail and common side load housings to crack. Besides the Radius rock bit, these housings are designed for use with a number of HDD tools including Mud Motors, tricone bits, auger boring and monitoring reamers. Radius’ sonde housing is compatible with most popular walkover transmitters including the new 15- and 19-inch (2 and 4 battery) Eclipse and SST sondes by DigiTrak. Subsite and Radiodetection are supported as well. 800.892.9114, radiushdd.com



INROCK

INROCK is Vector Magnetics’ HDD Steering Tool Systems’ authorized distributor and HDD partner, providing Paratrack equipment sales, rental, service and support. The Paratrack Guidance System utilizes an all angle, high resolution

system that provides the driller with single guide wire tracking (surface or underground tracking); magnetic filed tracking;

parallel tracking (underground tracking of multiple parallel bores); intersections (tracking of 2 separate or multiple boreholes from varying directions); beacon tracking (wireless tracking); and pressure while drilling (measures annular and drill pipe pressures). 713.690.5600, inrock.com

Sharewell



Sharewell's steering tool is a directional guidance system specifically designed for HDD applications that provides both directional survey information and annular pressure while drilling. The system operates with TruTracker to provide critical drilling information including: inclination; tool face; azimuth; position; temperature; and annular pressure. The system can be operated with or without the pressure sensor. When operating with pressure, a special pressure sub is required for the bottom hole assembly. The advantage of a steering tool that monitors the pressure of the annular area of the hole is if the pressure reading decreases, it could indicate a potential frac out; however if it increases, it could indicate a potential formation falling into the bore hole, possibly causing sticking of the assembly in the hole. Steering tool components include the probe, drillers console, interface, computer and printer. 800.637.6461, sharewell.com

Horizontal Technology

From planning to as-built drawings, all directional data is documented and recorded using the DataTraX (DTX). The DTX is a complete system for accurate HDD steering offering a wide range of



flexibility. The system has been used to intersect a one-foot target at 190-feet deep, intersect oncoming bores or drill between existing lines. When precise accuracy is less an issue, the job can be set up with a single wire stretched over the entire length of the bore. When set

up properly the DTX system can exceed, plus or minus 1 percent of the depth. The recorded data can be converted to autocad and is GIS compatible. There are no footage fees, saving the contractor thousands of dollars annually! 713.774.5594, horizontaltech.com