

TR-7 Directional Drill



The Tulsa Trenchless TR-7 Horizontal Directional Drill Rig

For sales and service,
contact your local Tulsa Trenchless Dealer:



Trenchless Utility Equipment Inc.
2070 Queensway Drive,
P.O. Box 1338 Burlington, ON L7R 4L9
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The TR-7 Mini Directional Drill, has been designed for the installation of underground utilities such as gas lines, electric lines, fiber optic lines, cable t.v. and sewer lines. Its compact size makes it perfect for those “back yard” jobs.

If you spend too much of your time removing fence posts and having to replace them just to get to the punch-in location, the TR-7 is a dream come true. With an overall width of only 36 inches, the TR-7 can maneuver through most backyard gates, without having to widen the existing opening.

The TR-7 is equipped with a Kubota V1505B, 37.5 HP engine which provides 7,200 lbs. of rated thrust/pullback force with a maximum rotary torque of 1,250 ft. lbs. Additionally, the TR-7’s onboard mud system has a capacity of 66 gallons so there’s no need for running lines to a mud mixing and recycling system.

The TR-7 is equipped with a unique compound rotary thrust cylinder. It has dedicated hydraulics for each of its rotary, mud pumping and thrust/pullback systems. Standard features also include an integral stake-down system; open top vises for easy access during use and the unit is self-propelled.

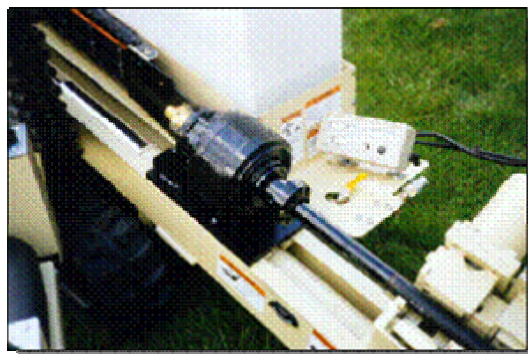
The TR-7 is truly the ideal “Self-Contained Back Yard Drilling Solution”.



The TR-7 is the perfect “backyard” rig with its own on-board fluid tank and integral stake down system.



The TR-7 is small enough to work in tight locations in residential neighborhoods.



The mud motor, rotary torque and thrust/pullback all have their own dedicated hydraulic systems.

TR-7 Directional Drill Specifications

Operational Specifications		
Thrust/Pullback Drive System	Compound Hydraulic Cylinder	
Maximum Carriage Speed	60 fpm	18 m/min
Rated Push/Pull Force	7,200 lbs.	3.27 T
Rotary Drive System	Radial Piston Motor	
Maximum Rotary Speed	143 RPM	
Rated Rotary Torque	1,250 ft-lbs.	1,694 N-m
Combined Power Available:		
Carriage Speed	4 fpm	1.2 m/min
Pull Force	7,000 lbs.	3.18 T
Rotary Speed	80 RPM	
Rotary Torque	1000 ft-lbs.	1,355 N-m
Mud Flow	8 gpm	30 L/min
Mud Pressure	800 psi	55 Bar
The diesel/hydraulic power system has been designed and tested to provide the above actual parameters in combination as may be experienced during a reaming operation.		
Makeup/Breakout System	Cylinder operated lower vise with operated upper breakout vise	

Power Specifications		
Engine	Kubota V1505B	
Horsepower	37.5 HP	28 kW
Hydraulic Pumps	Dual, variable volume, closed loop, hydrostatic transmission pumps w/auxiliary gear pump	
Hydraulic Reservoir Capacity	14 gal	53 L
Fuel Tank Capacity	9 gal	34 L

Drill Pipe Specifications		
Length	6 ft	1.83 m
Tube/Tooljoint OD	1.66 in	42 mm
Connection	QD 65	
Weight	27 lbs./length	12.3 kg/length
Rack Capacity	34 Lengths	
Mud Pump Specifications		
Maximum Flowrate w/ water	8 gpm	30 L/min
Maximum Pressure w/ water	1,500 psi	103 Bar
On Board Tank Capacity	66 gal	249.8 L
Dimensional Specifications		
Transport Width	36 in	0.91 m
Transport Height	58 in	1.47 m
Transport Length	144 in	3.66 m
Transport and Operating Weight	4,930 lbs.	2,236 kg
<i>(w/ 62 gal 235 L water and 34 lengths of drill pipe)</i>		
Drill Entry Angle	18 degrees	



Note this unit is working in a residential neighborhood right next to an electrical utility box

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