



## MODEL 500TW



### HORIZONTAL EARTH BORING MACHINE



Our own Special Designed

Tool Thread, Loose in 1.5 turns!

Water Lubricated System

Water assisted; drill 2" to 6" holes up to 100ft.

#### Specifications:

Weight: 125 pounds  
Dim: 18"W x 32"H x 8"L  
Use 4' Drill Rods  
Gasoline 4 stroke engine  
Stainless Water Shaft  
Sturdy Mechanical rack and pinion advance

#### Features:

Oil Lubricated Clutch  
5.5 hp Honda Engine  
Tapered tool thread  
Compact  
Lightweight  
Cost effective

#### Benefits:

Low Maintenance  
Reliable Honda Engine  
Fast Operation  
Works in congested areas  
One man machine positioning

## **BELOW GROUND OPERATION OF MODELS 500TW, 700TWA, 900TW, 1200TW & 1800TW**

After a boring pit and come out hole have been dug the machine is lowered into the boring pit and properly leveled and aimed. The first drill rod is attached with a pilot bit and the operator begins the drilling process. Water is used to flush the cuttings from the hole as the operator advances the drill stem and pilot bit using the smooth rack and pinion advance.

Once the entire length of the drill stem is used the operator disconnects the stem from the transmission, reverses the carriage to make room for another drill stem and continues as before advancing the bit and drill stem. Once the come out hole is reached, if the bore diameter needs to be enlarged, the pilot bit can be removed and a backreamer of proper size can be added to the end of the drill stem. At this time a cable swivel can also be added.

The operator simply reverses the procedure by pulling the drill stem and reamer back through the hole removing drill stem as each length of drill stem as it becomes completely exposed. A cable can be pulled back through behind the back reamer. Once the bore is completed the pipe can be either pushed through the hole or pulled using the cable. The speed at which the pilot and reamers usually produces a nice slurry that will help lubricate thus easing the pipe installation.

With all machines, in very granular soil or rocky conditions, driller's mud such as Baroid Aquagel can be mixed and pumped through the drill stem and bit to either stabilize the hole or provide a slick slurry to facilitate the installation of the pipe.

**As the need for boring increases, a dependable and versatile boring machine can be the difference between profit and loss on a job. The "Prairie Dog" is the one boring machine you can depend on.**

**Buy a "Prairie Dog" today and start saving money tomorrow!**

### **Prairie Dog Boring Equipment, Inc.**

10006 Airline Drive      Houston, Texas 77037  
281-448-8442 or 866-631-3786

Website: [www.undergroundequip.com](http://www.undergroundequip.com)

Email address: [info@undergroundequip.com](mailto:info@undergroundequip.com)