



MODEL 1800TW



HORIZONTAL EARTH BORING MACHINE

Economical and versatile boring machines!

The "Prairie Dog" Model 1800 allows a single operator to bore holes from 3 to 28 inches in diameter, in lengths of 300 feet and more. The Model 1800TW is a versatile boring machine designed to be inexpensive to operate and requires little maintenance.

Whether you install cables or pipelines, digging trenches through existing structures is expensive and time consuming. The "Prairie Dog" line of products allows you to bore holes under existing structures easily and economically.

SPECIFICATIONS:

Weight: 395 pounds

Oil Lubricated

Bores hole from 2-28" up to 300ft or more

Dimensions: 40" H x 96" L x 18" W

Engine: Honda V-twin 18hp Commercial engine

Water Shaft: 17-4 Hi tensile corrosion resistant

Uses forward and reverse oil lubricated planetary unit

Track length: 8 foot

APPLICATIONS:

C.A.T.V.

Irrigation

Water

Plumbing

Telephone

Electrical

Gas

FEATURES:

Low Environmental Impact

One Man Operation

Sturdy Frame

Lightweight

Compact

Low Operating Cost

Inexpensive

Tapered Thread Drill Rods

Corrosion Resistant High tensile

Strength water swivel shaft

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!

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