



MODEL 700TWA



HORIZONTAL EARTH BORING MACHINE

Water Lubricated Type

Economical and versatile boring machines!

The Prairie Dog Model 700 allows a single operator to bore holes from 2 to 24 inches in diameter, in lengths of 200 feet and more. The Model 700TWA designed to operator in bore pits as deep as a 8 feet below ground level. A strong frame protects the machine from damage in handling and operation. The Prairie Dog is designed to be inexpensive to operate and requires little maintenance.

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

SPECIFICATIONS:

Weight: 325 pounds
Oil Lubricated
Bores hole from 2-14" up to 200ft
Dimensions: 40" H x 102" L x 18" W

Motor: Rotary Vein Air Motor 9hp at 275 cfm and 100 PSI
Water Shaft: Stainless steel with SMSD thread
Uses forward and reverse oil lubricated planetary unit
Track length: 8.5 foot

APPLICATIONS:

C.A.T.V.
Irrigation
Water

Plumbing
Telephone

Electrical
Gas

FEATURES:

Non-Corrosive Water Swivel
Quality Workmanship
Oil lubricated F/N/R Transmission
Compact, sturdy frame
Inexpensive, Lightweight

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Low Environmental Impact
One Man Operation
Prairie Dog's Tapered Thread Drill Rods
Sturdy Mechanical Rack and Pinion advance

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, drillers 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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