



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 14 inches in diameter, in lengths of 150 feet and more. The Model 700TWA designed to operate in confined bore pits where ventilation of conventional exhaust fumes is impossible. 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 and 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 150ft or more

Dimensions: 40" H x 102" L x 18" W

Motor: Rotary Vein Air Motor 9hp at 100 PSI

Water Shaft: Stainless steel with 3/4" NPT

Uses forward and reverse oil lubricated planetary unit

Track length: 8 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

Inexpensive, Lightweight

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, 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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