



TRENCHLESS SOLUTIONS

SINCE 1956

STEERABLE HORIZONTAL THRUST BORING



STEERABLE • COMPACT • ECONOMICAL • PRODUCTIVE

The most economical and versatile horizontal boring system on the market.

Thrust boring is the best solution for installing new pipes in the ground where accuracy is critical. Pow-r Mole equipment uses detection technology located in the head of the push rods to accurately establish its location underground to within inches.

Model PD-4 and PD-6

The Model PD-4 and PD-6 were designed for use in difficult soil conditions where a pipe or cable is to be installed under a road or area which cannot be dug. These machines are excellent in areas where space is limited.

The PD-4 will operate from a pit only 50 inches long. Despite its small size the PD-4 has a thrust force of 37,714 lbs @ 3,000 psi and a maximum push rate of 9 feet/minute. The PD-4 can install up to 4 inch ID pipe in most compressible soils.

The PD-6 will operate from a pit only 56 inches long and has a thrust force of 84,822 lbs @ 3,000 psi. The maximum push rate of PD-6 is 7 feet/minute and it can install up to 8 inch ID pipe in most compressible soils.



Minimum Maintenance- Maximum life

The high strength steel frame is protected from wearing forces by a chrome plated steel guide bar. The pushing mechanism slides on bronze bushings and uses special wiper seals to keep the lubricant in and the water and dirt out. The patented mechanism provides long service with a minimum of maintenance.



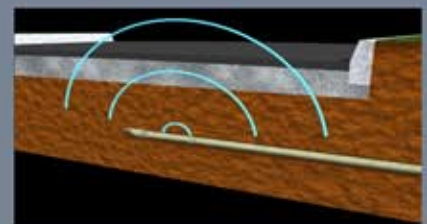
How it works

The Model PD-4 and PD-6 use a cylinder actuated positive-locking non-slip jaw assembly that provides a steady force when driving push rods. Sections of 2.5' push rods are screwed together and thrust into the ground. When the target pit is reached, the steering head is removed and the appropriate ground expander is attached. The pipe or cable that is to be installed is attached with a grip to the expander and the rods are retrieved until the pipe is installed.



Steering The Bore

The PD-4 and PD-6 use Detection Technology located in the head of the rod to accurately establish its location underground to within inches. The detection equipment provides information that indicates the orientation, location and depth of our conically shaped steering head. This allows you to guide the rods around obstacles such as pipes, ducting and building foundations safely and accurately until the final target is reached.



SPECIFICATIONS

PD-4 Unit Dimensions

Height	15 inches
Length	46 inches
Width	18 inches
Weight	370 pounds

Capability

Force	37,714 pounds
Rate	9 feet/minute
Stroke	8 inches
Pipe size	1/2 to 4 inches

PD-6 Unit Dimensions

Height	17 inches
Length	54 inches
Width	21.5 inches
Weight	720 pounds

Capability

Force	84,822 pounds
Rate	7 feet/minute
Stroke	12 inches
Pipe size	1/2 to 8 inches

For More Information Contact:



MANUFACTURED BY:

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ACCESSORIES



Steering Heads
and Sonde



Portable Hydraulic
Power Unit



Stationary Hydraulic
Power Unit



Shoring Push Box
(Exceeds OSHA
Specifications
up to 12' Deep)



Pull back Expanders
and Adapters
(Unlimited Variations)



Pipe Grips for Virtually
Every Type of Pipe