



# UNIVERSAL

HORIZONTAL DIRECTIONAL DRILLING



# UNIHAMMER



## Why drill with air?

- Little to no water needed
- No refilling water when drilling tough ground (300 gallons will typically last all day, even in rock, on large drills)
- No moving the bore around because of ground conditions. Soft clay to solid rock can be handled with one head
- Less mess than mud system
- If the ground or rock is tough, simply go bigger air. UNIHAMMER can handle up to 500 psi for the extreme jobs

## How much air?

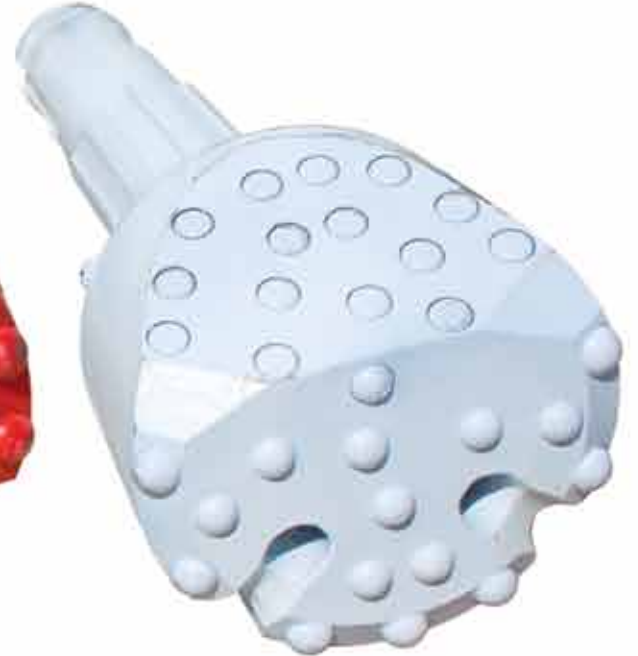
- As small as a 400 cfm/200 psi to 1150 cfm/500 psi. Ground conditions and length determine your size needs
- The control unit has a built-in pump that supplies from 1/2 gallon per minute to 3.5 gallon per minute of fluid to aid in cutting removal and cooling the sonde. No need to run the pump on your drill
- A wireless remote control activates the supply valve at the control unit from your drilling air needs
- Sonde housing handles both DCI® and SubSite® sondes, up to 19" and wireline compatible

## Versus the competition.

- In Head to Head testing, the UNIHAMMER outperforms the other air hammer systems on the market
- Specific Metal Compound is used to ensure longer bit life and housing life
- Designed to maximize airflow to provide downhole power, while saving compressor fuel costs by running smaller compressors
- Specifically designed to handle more water for cuttings removal and cooling
- Bit designed to grind up cuttings more efficiently and finer to help keep the hole clean
- Designed and tested for everyday use, not just rock boring, giving you a better return on your investment
- Sonde Housing has been verified by DCI® to work with all DCI® sondes. Also compatible with all Subsite® sondes.

## Success Stories

- 440' Bessemer, AL. Through the bottom of a mountain. Solid Limestone for Alabama Gas. Shot out in 3 days with 4" Hammer, 750/350 compressor on 24x40 size drill. Shot reamed and pulled in 6 additional days. Ditch Witch 2720 All terrain 1 road up, there for 3 months on same type shot.
- 330' Fort Payne, AL. Across I-59. In and out of rock, shot out 2 days with 4" hammer and 900/300 compressor. D50x100 size drill.
- 300' Johnson City, TN. Side of road, tight set up, on hill side. Shot with 4" Hammer, 750/350 compressor and 24x40 Vermeer. Solid Limestone, shot and pulled back in pilot hole in 2 days.
- Conway, MO. Under creek and climb hill. 3" Hammer, 24x40 Series II, 400/200 compressor. 300 feet in solid rock in 9 hours.
- 1100' Indianapolis, IN. Under River. 80x100, 3.5 Days, Ground mixed with dirt, boulder, 400 foot solid rock. Miller Pipeline
- 24,000 lb machine. Complete pilot hole in 4 1/2 day - 700' with 4" hammer and 5 1/2 bit in solid rock. Team Fishel, Manassas, VA.

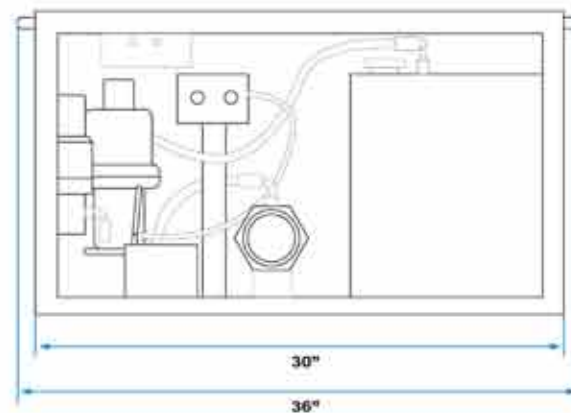
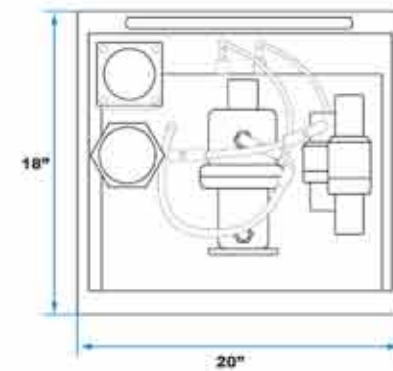


## 4" Hammer

- Highest Striker Weight to generate power
- Runs on less air, 750 cfm / 350 psi compressor is ideal. This means smaller compressors and less fuel costs.
- Designed to run with large volumes of water to help flush hole, or to compensate for ground water
- Oversized 5.5" head saves wear on the housing and provides better steering and longer life. Allows pullback of 4" pipe with no reamer.

## 3" Hammer

- Designed to run on 400 cfm / 200 psi compressor
- Small compressor options, allows a simple set up and low operating cost
- Can turn a small drill like the 7x11 into a rock drill or aide in tough ground conditions that are not quite rock
- Works all the way up to 24x40
- 4.5" cut allows pullback up to 3" diameter with no reamer



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DCI DigiTrak is a registered trademark of Digital Control Inc, of Renton, Washington



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