



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.

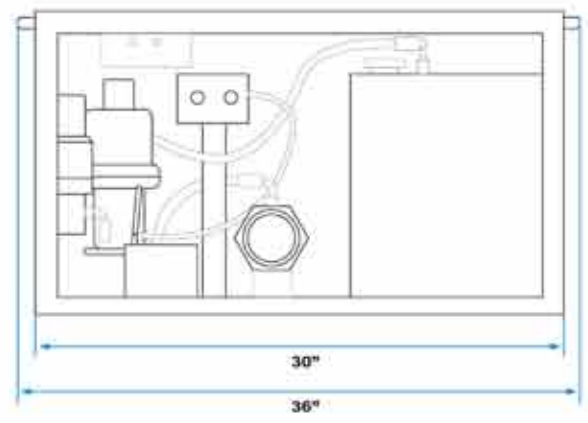
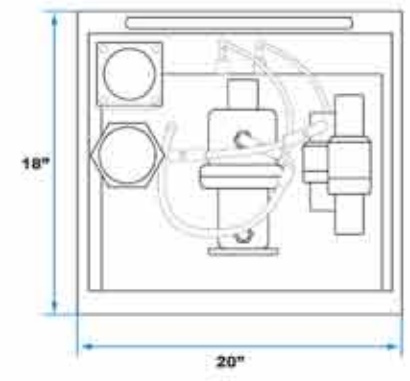


4" Hammer

- 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



Universal HDD believes the specifications in this brochure to be correct at the time of printing. However, specifications, standard equipment, options and dimensions are subject to change without notice. Some equipment may be unavailable when your machine is built. Please ask your adviser for list concerning current availability of standard and optional equipment and tooling, and verify that your machine will include the equipment you ordered. Machines in this brochure are shown with optional equipment. While Universal HDD makes diligent efforts to provide accurate information in this brochure, there is no guarantee or warranty of accuracy. This brochure shall not be used or relied upon as substitute for information that is available from your Universal HDD center. Further information can be obtained from your authorized Universal HDD dealer or www.unihdd.com.



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