

Earth Pro™
Solid

ASTEFC

HDD-40/50/60/80

HARD ROCK DRILLING SYSTEM



BREAKTHROUGH SOLUTIONS



HDD-40/50/60/80 HARD ROCK

The Astec line of walk-behind and ride-on utility trenchers, vibratory plows and horizontal directional drills, along with related parts and accessories, offers users a broad choice of underground construction solutions.

The forerunners of the Astec machines were developed by Charles Davis in 1959. Recognized as an industry leader, Davis trenchers were renowned for their innovative designs and rugged reliability. The line was purchased by Case in 1969, and the machines carried the Case-Davis label until the mid 1970s when the Davis name was dropped. Case added horizontal directional drills to the line and nurtured it until 2002 when it was sold to Astec Underground and the machines received the Astec brand.

Astec Underground continues to enhance the line's reputation for performance and durability. The Astec EarthPro line of horizontal directional drills incorporate features and technology developed by Astec Underground's sister company, American Augers, a world leader in directional drilling. These newly engineered units pay homage to the Astec heritage while confidently demonstrating the company's vision for the future.

Astec products are manufactured at the company's 360,000 square-foot facility in Loudon, Tenn., alongside the company's Trencher line of rock trenchers, surface miners, road miners, and related equipment. Astec has owned the Trencher brand since 1988. The combination of these respected names provides customers with unsurpassed choices to meet their underground construction needs.

Astec products are sold and supported through a worldwide network of 47 dealers that operate more than 94 locations. These dealers sell new and used Astec machines, and provide the parts and service to help customers minimize downtime and get needed repair parts.

Visit www.astecunderground.com to learn about the full line of Astec Underground products or to contact the company for more information.

CONTROL

TWO DEGREE BENT SUB TO ALLOW EASY STEERING IN TOUGH CONDITIONS.

HIGH DURABILITY

INDUCTION-HARDENED WEAR SLEEVE FOR OPTIMUM WEAR RESISTANCE EVEN IN THE MOST ABRASIVE CONDITIONS.



EASY COUPLING

TAPERED API THREADS ON BACKHEAD AND CHUCK ENSURE EASY COUPLING/UNCOUPLING OF HAMMER.

FASTER, FASTER

HARD ROCK SYSTEMS DELIVER A CONSIDERABLE INCREASE IN ROCK PENETRATION COMPARED TO COMPETITIVE HDD ROCK SYSTEMS.

NO SPECIAL PIPE

THESE TOOLS WORK WITH YOUR DRILL'S EXISTING PIPE — THERE'S NO NEED FOR SPECIAL PIPE.



SEAMLESS INTEGRATION

ONLY AIR HAMMER UNIT ON THE MARKET TO INTEGRATE WITH EXISTING CONVENTIONAL CONTROLS ON YOUR ASTEC DRILL. CAN ALSO BE ADAPTED TO COMPETITIVE MACHINES.



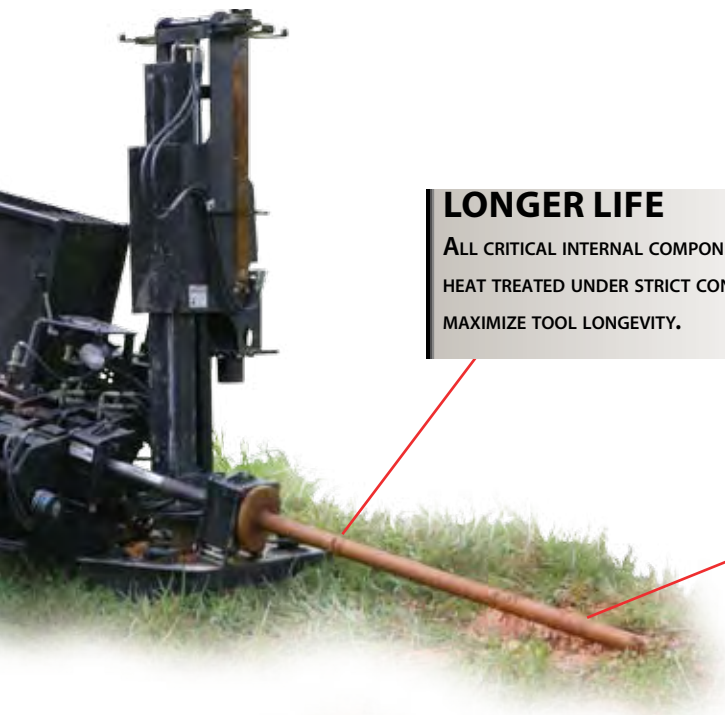
MIX IT UP

SUPPORT STATION OILER MIXES AIR, WATER, AND OIL, THEN DELIVERS IT TO THE HAMMER.



EASY MANEUVERING

SLANT FACED BIT ALLOWS THE TOOL TO STEER IN SOFT SOIL FORMATIONS.



LONGER LIFE

ALL CRITICAL INTERNAL COMPONENTS ARE HEAT TREATED UNDER STRICT CONTROL TO MAXIMIZE TOOL LONGEVITY.

LESS MUD MESS

POWERED BY HIGH VOLUME AIR PRESSURE, THE HDD 40 REQUIRES A MINIMAL AMOUNT OF WATER — 2 TO 4 GPM (7.6 TO 15.1 LPM) — FOR COOLING AND LUBRICATION, WHICH MEANS LESS CLEANUP AND EXPENSE THAN WITH CONVENTIONAL DRILLING.



THE HARD ROCK DRILLING SYSTEM INCLUDES:



- Hammer
- Support station oiler
- 30-ft. hose
- 20-ft. hose
- 2° bent sub
- 2 whip checks
- Starlight controller
- Bits:
 - HDD-40 4 in (101.6 mm)
 - HDD-50 5 in (127 mm)
 - HDD-60 6 in (152.4 mm)
 - HDD-80 pull reamer 8 in (203.2 mm),
10 in (254 mm), and 12 in (304.8 mm)

* The Hard Rock Drilling System can be used with all DCI Subsite locating systems.

Difficult drilling conditions are diminished

With the new Hard Rock Systems from Astec Underground, drillers can enjoy increased production with their horizontal directional drills in a wider range of conditions than is possible with conventional drilling methods.

The Hard Rock System is a pneumatic percussion tool that is similar in concept to a standard jackhammer except that it operates at a higher frequency of percussions per minute (as much as 2,200 beats per minute on the HDD-80). The tools fit on nearly any horizontal directional drill and are available in 4-inch (101.6 mm), 5-inch (127 mm), and 6-inch (152.4 mm) pneumatic hammers and a pneumatic pull reamer capable of 8-, 10-, and 12-inch (203.2-, 254.0-, and 304.8-mm) diameters.

These tools diminish the types of drilling conditions that contractors consider to be difficult. Drilling rock is still tougher and more time consuming than drilling in dirt, but these tools are much more efficient than conventional drills in those situations.

Drilling jobs that would have been considered impossible just a few years ago can now be considered routine with the Hard Rock System from Astec Underground.



IMPORTANT: Astec Underground reserves the right to change these specifications without notice and without incurring any obligation relating to such change. This literature has been published for world-wide circulation. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your Astec dealer/distributor will be able to give you details of the products and their specifications available in your area.

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