

Earth
Pro™
Solutions

ASTECC

DD-4045

HORIZONTAL DIRECTIONAL
DRILL



Now Standard With
ASTECC
357 PROTECTION
WWW.ASTECUNDERGROUND.COM

BREAKTHROUGH SOLUTIONS



POWERFUL THRUST/PULLBACK
 WITH 40,000 LBS (18.14 TONNES) THRUST/PULLBACK AND 4,500 FT-LBS (6,101 N-M) ROTARY TORQUE, THE DD-4045 WILL TACKLE THE TOUGHEST JOBS WITH EASE.



INTEGRATED OPERATOR LOCKOUT
 PATENTED ES!LOK® EXIT-SIDE LOCKOUT SYSTEM WORKS INDEPENDENTLY FROM LOCATING EQUIPMENT, PROVIDING FLEXIBILITY FOR THE DRILLING CREW.

WORK IN COLOR
 A MULTI-FUNCTION COLOR LCD DISPLAY GIVES THE OPERATOR A CRYSTAL CLEAR VIEW OF THE DRILL'S PERFORMANCE AND FUNCTIONS EVEN IN BRIGHT SUNLIGHT. THE DISPLAY MONITORS THE FULL RANGE OF SYSTEMS AND FUNCTIONS, INCLUDING MANY ITEMS THAT COMPETITIVE MACHINES DON'T.

SERIOUS SECURITY
 ALL ASTEC EARTHPro HORIZONTAL DIRECTIONAL DRILLS NOW COME STANDARD WITH OUR 357 PROTECTION PLAN. NEW MACHINES CARRY A 3-YEAR WARRANTY ON WORKMANSHIP, A 5-YEAR WARRANTY ON THE ENGINE, AND A 7-YEAR WARRANTY ON THE RACK AT NO ADDITIONAL COST.

CRUISIN' THROUGH THE DAY
 CRUISE CONTROL COMES STANDARD AND GREATLY REDUCES OPERATOR FATIGUE ON LONG BORES AND PULLBACK.

THE NEED FOR SPEED
 A TWO-SPEED CARRIAGE DECREASES CYCLE TIME WHEN ADDING AND REMOVING PIPE FROM THE SPINDLE AT 140 FT/MIN (42.67 M/MIN) MAXIMUM.

DUAL REAR OUTRIGGERS
 INDEPENDENTLY ADJUSTABLE, DUAL REAR OUTRIGGERS PROVIDE STABILITY ON UNEVEN GROUND AND SLOPES.



TETHERED GROUND DRIVE CONTROL
 TETHERED GROUND DRIVE CONTROL PROVIDES THE OPERATOR WITH A BETTER VANTAGE POINT WHEN LOADING, UNLOADING, AND POSITIONING.

STABILITY AT THE FOREFRONT
 FORWARD-MOUNTED TRACK DRIVE MOTORS GIVE BETTER TRACTION IN ALL SOIL CONDITIONS AND ARE MORE RELIABLE.

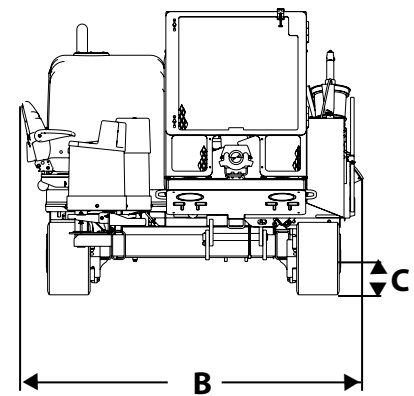
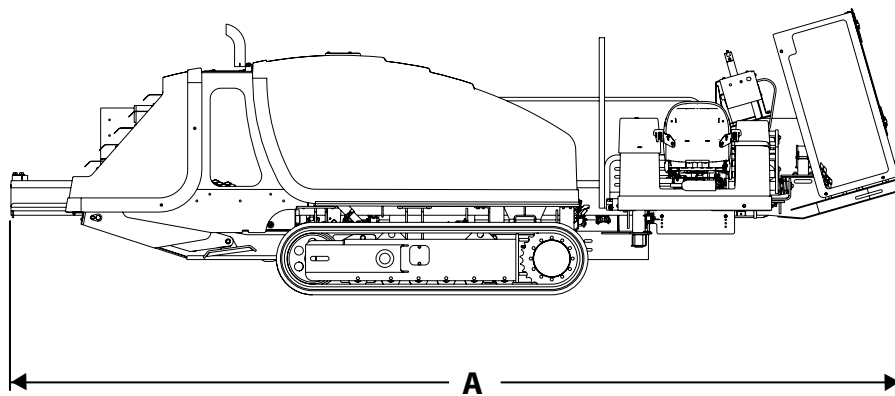


HARD ROCK ADAPTABLE
 SEAMLESS OPERATION WITH ASTEC HARD ROCK SYSTEM AIR HAMMERS MEAN THE OPERATOR CAN CONTROL THE AIR HAMMER FUNCTIONS FROM THE ONBOARD COLOR LCD.



*Some restrictions apply. See dealer for details.

DD-4045 HORIZONTAL DIRECTIONAL DRILL



SPECIFICATIONS

ENGINE

- Cummins® QSB4.5 turbocharged diesel & charge air cooled
- Horsepower**
- Gross.....148 hp (110 kW) ● Net.... 156 hp (116 Kw) Net Peak
- Fuel capacity 67 gallons (254 L)
- Hydraulic tank capacity 58 gallons (219.6 L)
- Other features: Quiet-Pak® Sound reduction system is standard.

ROTARY DRIVE

- Rotary system Pinion and gear drive, infinitely variable speed & torque
- Rotary (high torque)4,500 ft-lb (6,101 Nm)
- Maximum rotary speed 225 rpm
- Fluid course 1.25 in. (31.7 mm) diameter

CARRIAGE DRIVE

- Maximum thrust/pullback 40,000 lbs (18.14 Tonnes)
- Carriage system..... Two-speed floating carriage with quad-pinion drive, dual heavy-duty welded rack and pinion
- Carriage speed up to 150 ft/min (45.72 m/min)

DRILLING UNIT

- Travel system.....self-propelled on rubber tracks, remote travel pendent standard
- Flat surface speed up to 2.0-3.25 mph (3.2-5.2 km/h)
- Drill angle 16° /27% grade
- Wrench/clamp Open-top, floating-vice-grip type, tilted toward operator
- Hold down system Powered hydraulic augers in foot and opposing rear stabilizers

DRILLING FLUID PUMP

- Onboard mud pump Triplex pump
- Output 0-70 gpm (265 L/min)
- Maximum pressure 1,300 psi (96.45 Bar)
- Mud flow capacity Up to 60 U.S. gal/minute (227L/min)

DRILL PIPE (OPTIONAL)

- EarthPro Work String 2 (EPWS2)
- Length..... 10 ft (3,048 mm)
- Bend Radius 145 ft. (44.19 m)
- Outside diameter (tube) 2.375 in (60.5 mm)
- Outside diameter (tool joint) 2.80 in (71.1 mm)
- Fluid Course 1.25 in (31.75 mm)

PIPE LOADER

- Dual cam style with row selection assist. Total pipe capacity is 520 ft (158.5 m). Removable pipe baskets.

PROTECTIVE EQUIPMENT

- A Zap Alert system is standard equipment. Each drill comes with safety mats and electrical grounding rods. Emergency shut down switch at driller's console. The ES!LOK® exit-side lockout system is standard equipment.

DIMENSIONS

- A.** Length (est.) 257 in (6,527 mm)
- B.** Width (est.) 85 in (2,159 mm)
Width at tracks (est.) 83 in (2,108 mm)
- C.** Ground Clearance 12 in (304.8 mm)
- Approximate Operating Weight..... 20,000 lbs (9,071.84 Kg)

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.

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

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