

Earth Pro<sup>™</sup>  
*Solid*

# ASTEC

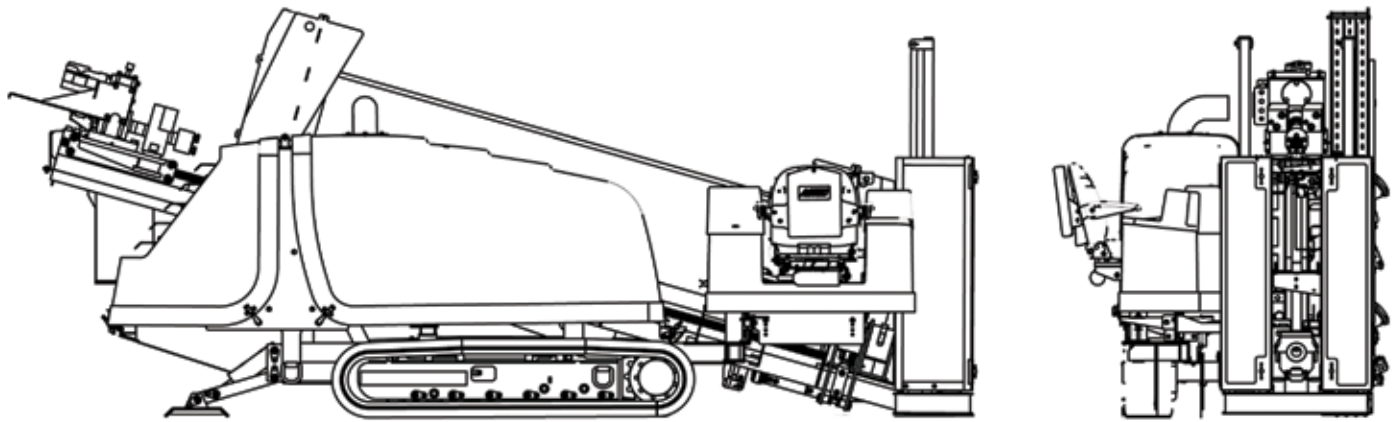
## DD-2024

HORIZONTAL  
DIRECTIONAL DRILL



## BREAKTHROUGH SOLUTIONS

# DD-2024 HORIZONTAL DIRECTIONAL DRILL



- **20,000 lbs (9.07 Tonnes) maximum thrust/pullback**
- **2,400 ft-lb (3,354 Nm) rotary torque**
- **Quad rack and pinion carriage drive**
- **“Cruise control” capability**
- **Carries 400 ft (122 m) of drill pipe**

- **Single multi-function joystick controls**
- **Quick, easy set up**
- **LCD multi-function operational screen**
- **Two-speed floating carriage**

## ENGINE

- Cummins B3.3 turbo diesel
- 83 hp (61.89 Kw) @ 2200 RPM
- Fuel capacity 30 U.S gallons (113 L) (Eight-hour operating capacity)
- Hydraulic capacity 25 U.S. gallons (114L)
- Drive system: one hydrostatic pump and one load sensing pump

## ROTARY DRIVE

Rotary system ..... Pinion and gear drive, infinitely variable torque  
 Rotary (high torque) ..... 2,400 ft-lb (3,354 Nm)  
 Maximum rotary speed ..... 200 rpm

## CARRIAGE DRIVE

Maximum thrust/pullback ..... 20,000 lbs (9.07 Tonnes)  
 Carriage system ..... Rack and pinion, quad drive  
 Carriage speed ..... Up to 120 ft/min (36.6 m/min)  
 Thrust frame ..... Welded, double-sided, heavy-duty rack

## DRILLING UNIT

Travel system ..... Self-propelled on rubber tracks  
 Flat surface speed ..... Up to 1.8 mph (2.9 km/h) forward and reverse  
 Track material ..... Rubber  
 Drill angle ..... Single pivot, maximum 16 degrees/27% grade  
 Wrench/clamp ..... Open-top, vise type  
 Hold-down system ..... Two powered hydraulic augers in foot and independent rear stabilizers.  
 Other features ..... Multi-function LCD display and 25-ft tethered tram control

## DRILLING FLUID PUMP

Onboard mud pump ..... Triplex pump  
 Output ..... 0-30 gpm (113.6 L/m)  
 Maximum pressure ..... 1,500 psi (103.4 bar)

## PIPE LOADER

State-of-the-art rod loader uses 10-ft (3.05 m) stem. Onboard pipe capacity is 400 ft (122 m).

## DRILL PIPE (OPTIONAL)

Length ..... 10 ft (3.05 m)  
 Outside diameter (tube) ..... 2.06 in (52.3 mm)  
 Tool joint O.D. .... 2.25 in (57.2 mm)  
 Fluid course ..... .625 in (15.88 mm)

## PROTECTIVE EQUIPMENT

A Zap-Alert System is standard equipment. Emergency shut down switch at driller’s console and tram control. The ES!LOK® exit-side lockout system is standard equipment.

## APPROXIMATE WEIGHT AND DIMENSIONS

Approximate operating weight — including 400 ft (122 m) of pipe ..... 10,500 lbs (4,763 kg)  
 Width ..... tracks: 51.5 in (1.30 m)  
 Height ..... 74 in (1.88 m) @ exhaust stack during drilling  
 Length ..... 207 in (5.25 m)

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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