



## FOREMOST DUAL ROTARY DR24 (R-51, R-54)

Earth Drilling's Foremost manufactured Dual Rotary, DR-24, will set up to 24 inch diameter casing. The drill rig is mounted on a Kenworth T-800 tridem axle unit, eliminating road ban restrictions.

This model is commonly used for domestic and municipal wells, and construction applications, such as foundation piling projects and holes for hydraulic elevator jacks. Earth Drilling also utilizes this rig for overburden drilling and casing setting, instrumentation installation around tailing ponds and unconsolidated formations, and specialized hybrid dual rotary drilling.

Foremost Dual Rotary drills feature a unique lower rotary drive that is used to advance steel casing through unconsolidated overburden, such as sand, gravel, glacial till, and boulders. Pullback, pulldown, and rotational forces are effectively transmitted to the casing via high-strength steel jaws with carbide inserts.

An independent rotary top drive simultaneously handles a drill string equipped with a down-the-hole hammer, drag bit, or roller cone bit. Cuttings are typically evacuated with air, but Foremost DR drills can also be configured with pumps for mud or flooded reverse circulation drilling.

The top and lower drives feed independently, meaning that the bit position can vary relative to the bottom of the casing. Once the desired casing depth has been achieved, the DR continues drilling open-hole like a conventional top drive drill. With a Foremost DR drill, there is no need to trip out or change tools when transitioning to open-hole drilling.

Earth Drilling's DR-24 Heavy Duty (HD) is equipped with a 900cfm/350psi air compressor, enabling large diameter drilling up to 300 feet deep. The drill rig can also be used to auger drill, split-spoon sample, mud rotary drill, and reverse circulation (RC) drill.



## SPECIFICATIONS

### Top Drive:

- >> Stroke: 26 ft
- >> Hoist Capacity – Pullback: 60,000 lbs
- >> Hoist Capacity – Pulldown: 10,000 lbs
- >> Torque: 10,000 ft lbs

## RIG DIMENSIONS

- >> Ti-Axle
- >> Weight: 30,300 kg
- >> Drives: 23,000 kg
- >> Steer: 7,300 kg
- >> Ground Pressure: 23.37 lbs / sq in
- >> Height: 13 ft 4 in (4.05M)
- >> Tower Height: 41 ft (12.51) ext 71 ft 1 in (21.65M)
- >> Length: 42 ft 1 in (12.81M)
- >> Width: 8 ft 6 in (2.6M)

## SPECIFICATIONS

### Lower Drive:

- >> Stroke: 12 ft
- >> Hoist Capacity – Pullback: 75,400 lbs
- >> Hoist Capacity – Pulldown: 33,000 lbs
- >> Torque: 80,000 ft lbs
- >> Torque (HD Motor): 140,000 ft lbs
- >> Air Compressor: 900CFM / 350PSI

### CALGARY OFFICE

4039 16th Street SE  
Calgary, AB T2G 3R8  
P 403 700 8778

### REGINA OFFICE

2110 Industrial Drive  
Regina, SK  
P 306 545 7088

### MAILING ADDRESS

4039 16th Street SE  
Calgary, AB T2G 3R8  
W earthdrilling.ca