

Geoprobe® 21FH Foundation Drill Rig

Engineered, Manufactured & Supported in North America

When production conditions punish equipment, Geoprobe® foundation drill rigs are built to keep working. Engineered to install micropiles, tieback anchors, and soil nails, the 21FH foundation drill rig delivers durability, serviceability, and high utilization – day after day.

Drill Mast

- Front-the-wall kinematics w/ 7 joints for versatile mast positioning
- 219 in. / 5,558 mm head stroke

Dual Rotary Head

- Top Head
 - 9,200 ft-lb / 12.5 kNm torque, 182 rpm
- Bottom Head
 - 18,000 ft-lb / 24.4 kNm torque, 92 rpm
- Centerline head side shift (optional)

Drill Rig Telematics

- Real-time rig data available on desktop and mobile

Control Panel

- Robust hydraulic controls
- Remote diagnostics
- Wireless or wired remote tramming

Breakout

- 40 inches of top clamp lift
- 2.5-14 in. / 63-355 mm clamp range

Track Oscillation

- +/- 9 degrees

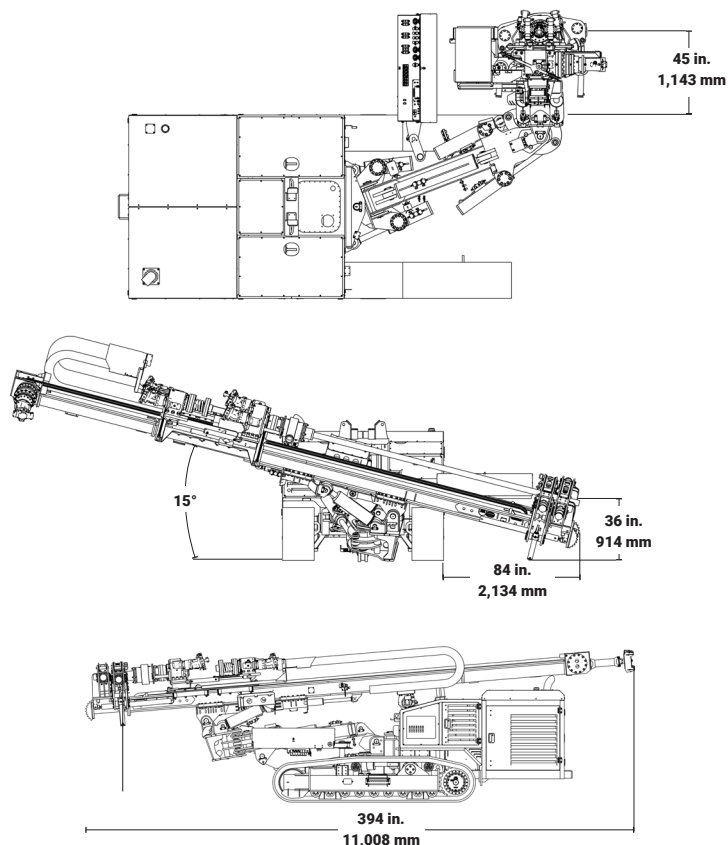
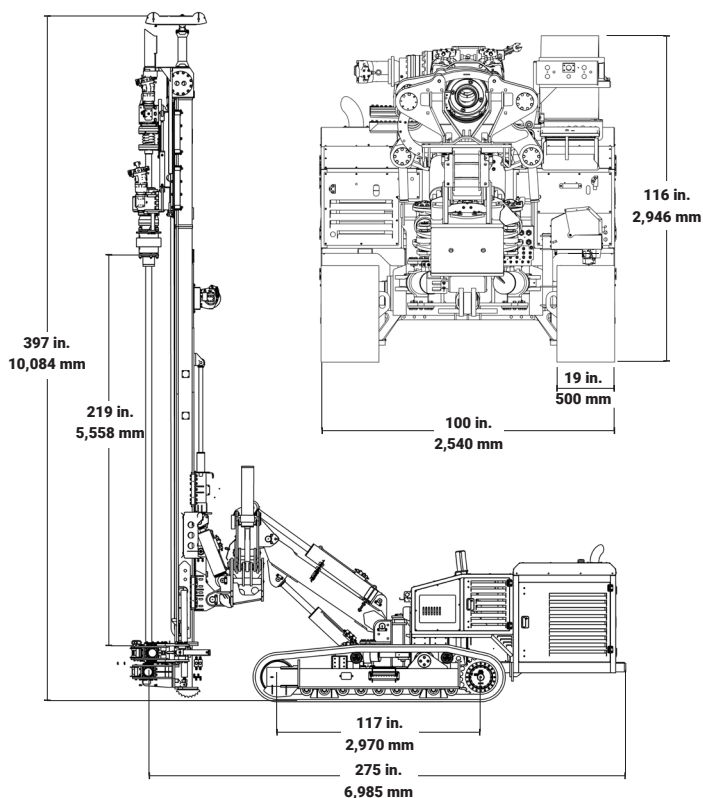
CAT C7.1 Engine

- 275 hp/205 kW



WEIGHT & DIMENSIONS

Base Unit Weight: 47,000 lb. (21,319 kg)



Front-the-wall kinematics provide versatile mast positioning, making the 21FH an efficient tieback rig.

SPECIFICATIONS

Rotary Heads

- Top Head RH16X
 - 9,200 ft-lb / 12.5 kNm (max.)
 - 182 rpm (max.)
- Bottom Head RH32X
 - 18,000 ft-lb / 24.4 kNm (max.)
 - 92 rpm (max.)

Mast & Winch

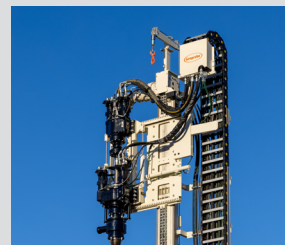
- Centerline Head Side Shift (Optional)
- Winch (Optional)
 - 5,000 lb. / 2,268 kg

Breakout

- 2.5–14 in. / 63–355 mm breakout
- 40 in. of lift

Additional Options

- Water Injection Pump
- Line Oiler
- Diverter
- Floating Spindle



Centerline Head Side Shift



Vertical Mast Orientation

Videos, Photos, Specifications, Resources
geoprobe.com/21fh

