

TR50

Need to drill bigger holes in hard-to-reach places? The TR50 delivers **50,000 ft-lb of torque** for **holes up to 96 inches in diameter** and up to **80 feet deep**.

From work under bridges to sites with restricted overhead clearance, available configurations let you match the rig to the drilling requirements and the jobsite access.

TR SERIES SPECIFICATIONS	Units	TR50
Rotary Torque (max)	ft-lbs kN-m	50,000 70
Kelly Winch Line Pull	lbs kN	25,000 111
Hole Diameter (max, recommended)	in mm	96 2,400
Drill Speed Range	RPM	0-60/100
Crowd Stroke	in mm	72 96 140 168 1,800 2,400 3,600 4,300
Hole Depth (max)	ft m	80 24
Attachment Height	ft m	12–20 4-6
Kelly Elements - Square (max)	qty	6
Kelly Elements - RLK (max)	qty	5

Specifications shown are based on standard configuration. Performance, capacities, and achievable depths may vary depending on ground conditions, tooling, operation, and machine configuration. Deeper depths and additional capabilities are available with optional upgrades. Excavator modifications may be required. Contact your Bay Shore Systems representative for details.











BUILD CONFIGURATIONS

- **Winch:** Single-layer line pull up to 25,000 lbs, with high-speed configurations on select models.
- **Kelly Bars:** Round-locking or square friction Kelly bars configured around drilling depth and ground conditions.
- **Mast:** Short masts for severely restricted overhead clearance or extended masts for greater drilling depth and reach.
- **Carrier:** Build on nearly any major manufacturer's carrier–new from the dealer or already in your fleet.
- **Boom & Counterweight Setups:** Configurations to match the job's reach, access, and stability requirements.

SYSTEMS & UPGRADES

- **Down-Hole Camera:** Real-time visibility into downhole conditions, casing advancement, and hole stability.
- **People Detection System:** AI-assisted camera coverage with configurable safe zones to help reduce blind spots around the rig.
- **Overhead Powerline Detection:** Helps alert the operator when the rig approaches energized high-voltage power lines.
- **Return to Level:** Leveling to within 0.5 degrees for faster and more precise rig setup.
- **Variable Crowd:** Lets the operator dial in and maintain the downforce needed to keep the tool cutting and efficient.
- **Drill Lock:** Holds the rotary speed once the operator finds where the tool is cutting best.

BAY SHORE® SYSTEMS, INC.

Need more solutions or don't know where to start?
Let's talk.