

TR110

TR SERIES SPECIFICATIONS	Units	TR110
Rotary Torque (max)	ft-lbs kN-m	110,000 150
Kelly Winch Line Pull	lbs kN	30,000 130
Hole Diameter (max, recommended)	in mm	144 3,600
Drill Speed Range	RPM	0-60/100
Crowd Stroke	in mm	168 228 4,300 5,800
Hole Depth (max)	ft m	100 30
Attachment Height	ft m	23-28 7-8.5
Kelly Elements - Square (max)	qty	5
Kelly Elements - RLK (max)	qty	4

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.

Larger foundations.Tough ground. Steep access? The TR110 delivers **110,000 ft-lb of torque**, drilling **holes up to 144 inches in diameter** and up to **100 feet deep**.

Built for larger-diameter bridge, transmission line, and civil foundations where difficult ground conditions and limited working space come with the job.







TR-ROCK RIG

TR-ROCK RIG OPTIONS

For demanding hard-rock drilling, combine Round-locking Kelly bars + Variable Crowd + Rotary Slow + Drill Lock + Reaction Jack.

Together, these features provide the control, stability, and downforce needed to keep the tool productive and the rig steady.



BUILD CONFIGURATIONS

- **Winch:** Single-layer line pull up to 30,000 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.
- **Rotary Slow:** Delivers full torque at lower RPMs for greater control and more efficient cutting in rock and mixed ground conditions.
- **Drill Lock:** Holds the rotary speed once the operator finds where the tool is cutting best.
- **Reaction Jack:** Locks the rig in place during drilling to cut vibration and keep the mast plumb; more crowd and torque go straight into the hole.

BAY SHORE SYSTEMS, INC.

Need more solutions?
Let's talk.