

LAD140

LAD SERIES SPECIFICATIONS	Units	LAD140
Rotary Torque (max)	ft-lb kN-m	14,200 20
Kelly Winch Line Pull	lbs kN	8,000 36
Hole Diameter (max, recommended)	in mm	48 1,200
Drill Speed Range	RPM	0-60/100
Crowd Stroke	in mm	20 28 500 700
Hole Depth (max)	ft m	46 14
Attachment Height	ft m	8-9 2.4-2.7
Kelly Elements - Square (max)	qty	9
Kelly Elements - RLK (max)	qty	NA

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.

The LAD140 is built for jobs where access is the first problem to solve. With up to **14,200 ft-lb of torque**, it drills up to **48-inch diameter holes** and **depths to 46 feet**.

Its low attachment height and compact setup make it a good fit for residential foundations, building interiors, elevator work, and other jobs where overhead and room are limited. Custom boom and zero tail swing configurations give even more flexibility when space gets tight.













TIGHT ACCESS. NO PROBLEM.

- **Winch:** Match the kelly winch to the drilling depth and kelly configuration, with available single-layer line pull up to 8,000 lbs.
- **Kelly Bars:** Select from round-locking or square friction kelly bars in configurations designed around the required drilling depth and ground conditions.
- **Carrier:** Bay Shore Systems can build on nearly any major manufacturer's platform. New from the dealer or one from your fleet, we'll configure the rig around the carrier and the work it needs to do.
- **Boom & Counterweight Setups:** Multiple configurations to match reach, access, and stability.
- **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 reduce blind spots around the rig.
- **Overhead Powerline Detection:** Safety system used to detect proximity to energized high-voltage power lines.
- **Return to Level:** Leveling to within 0.5 degrees for faster and more precise rig setup.
- **Variable Crowd:** Allows operators to dial in and maintain the optimal downforce in hard rock, ensuring a steady penetration rate while preventing tool stalling or glazing.

BAY SHORE® SYSTEMS, INC.

Need more solutions?
We'll custom engineer the right rig for you.