

LAD400

LAD SERIES SPECIFICATIONS	Units	LAD400
Rotary Torque (max)	ft-lbs kN-m	40,000 54
Kelly Winch Line Pull	lbs kN	18,000 80
Hole Diameter (max, recommended)	in mm	78 2,000
Drill Speed Range	RPM	0-60/100
Crowd Stroke	in mm	20 28 800 900
Hole Depth (max)	ft m	54 16
Attachment Height	ft m	10-11 3-3.4
Kelly Elements - Square (max)	qty	7
Kelly Elements - RLK (max)	qty	6

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 LAD400 is the biggest step up in the LAD line, with more torque and larger diameter capability while still keeping the compact footprint that makes limited-access drilling possible. With up to **40,000 ft-lb of torque**, it drills up to **78-inch diameter holes** and **depths to 54 feet**.

Excavator-mounted for a solid base, the LAD400 is a good fit when the job needs more drilling capacity but access, overhead, or working room still limits what can get in.











TIGHT ACCESS.
NO PROBLEM.

- **Winch:** Match the kelly winch to the drilling depth and kelly configuration, with available single-layer line pull up to 18,000 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.