

Press release

Higher performance, deeper depths: drilling rig LB 35.1

At this year's Conexpo, Liebherr is presenting the latest generation of the LB 35 drilling rig. Thanks to the new lattice boom extension, greater drilling depths can be achieved with this compact machine. The more powerful engine ensures even greater operational efficiency and makes the exhibit a flexible machine for deep foundation applications.

Las Vegas, NV (USA), March 3, 2026 – The LB series from Liebherr impresses with deep foundation applications such as Kelly drilling, continuous flight auger drilling or double rotary drilling. For applications using full or partial displacement equipment, the maximum drilling depth has been extended to 123.0 ft (37,5 m), thanks to the new lattice boom extension. This corresponds to an increase of 19.7 ft (6 m). For customers, this has the advantage that the compact LB 35.1 can be deployed, even for large pile depths. The lattice boom extension can be easily retrofitted to any LB 35.1 and LB 45.1.

The new model has been fitted with a more powerful 603 hp (450 KW) diesel engine and impresses with a torque of 255,934 lbf-ft (350 kNm), which is reflected in the name LB 35. The maximum line pull of the winches is 300 kilonewtons. Due to their elastic mounting, the noise emission is considerably reduced. Thanks to the parallel kinematics, the machine has a large working area, which enables short working cycles. The leader top is designed for different drilling axes and is therefore suitable for all applications. Both the leader and the counterweights are modularly designed making the machine particularly user-friendly and flexible to use. The LB 35.1 can be transported in one piece with folded leader. This results in reduced set-up work and enables the machine to be moved quickly between jobsites.

Automation, efficiency and comfort

The working processes of the LB 35.1 can be automated using a variety of innovative assistance systems, thereby increasing efficiency as certain work steps are completely taken over by the machine's control system. Examples include the drilling assistant to automate the concreting process during continuous flight auger drilling, slack rope monitoring to prevent undesired loosening of the rope with the help of the winch control, and automatic leader alignment to align the leader to the previously set inclination angle.

The new overload protection of the Kelly winch ensures that the locked Kelly bar automatically stops the crowd winch if the maximum permissible load of the Kelly winch is exceeded. The rope length measurement of the auxiliary winch measures the length of the unwound rope, which is extremely helpful when inserting reinforcement cages, for example. Locking of the Kelly bar's telescopic sections is made significantly easier due to the Kelly visualization system in the LB 35.1. Thanks to the real time display of the Kelly bar's locking recesses on the cab monitor, the operator is permanently informed about the actual distance to the next locking recess. Color indications inform when the bar can be locked.

Furthermore, false positioning of the Kelly bar during the shake-off process is indicated through a warning signal.

In the new cab, Liebherr has focused on ergonomics and operating comfort. This is achieved with an orthopedic operator's seat, individually adjustable monitors and a cool box for food. The new refueling position of the machine, which is easily accessible from the crawlers, also increases convenience on the jobsite.

About Liebherr USA, Co.

Liebherr USA, Co. based in Newport News, VA provides sales and service on behalf of ten different Liebherr product segments: earthmoving, material handling, mining, mobile and crawler cranes, tower cranes, concrete technology, deep foundation machines, maritime cranes; components, and refrigeration and freezing.

About Liebherr Nenzing

Liebherr-Werk Nenzing GmbH is established as an innovation leader worldwide. The portfolio of construction machines includes crawler cranes and duty cycle crawler cranes, as well as piling and drilling rigs. Digital solutions and services for the construction site of the future complete the range of products. In addition to the further development of the product families deep foundation, material handling and lifting, the focus lies equally on the development of innovative digital solutions and assistance systems that enable users to optimize processes on the jobsite. Nenzing site is also home to Liebherr-MCCtec GmbH, one of eleven divisional controlling companies in the Liebherr Group. Liebherr-MCCtec GmbH has four production sites in Killarney (Ireland), Nenzing (Austria), Sunderland (United Kingdom) and Rostock (Germany). The division also operates 50 sales and service branches worldwide. Currently, there are 1,839 employees at the site in Nenzing. Liebherr trains 135 apprentices, making it one of the largest apprentice training organizations in the region.

About the Liebherr Group

The Liebherr Group is a family-run technology company with a highly diversified product portfolio. The company is one of the largest construction equipment manufacturers in the world. It also provides high-quality and user-oriented products and services in a wide range of other areas. The Liebherr Group includes over 150 companies across all continents. In 2024, it employed more than 50,000 staff and achieved combined revenues of over 14 billion euros. Liebherr was founded by Hans Liebherr in 1949 in the southern German town of Kirchdorf an der Iller. Since then, the employees have been pursuing the goal of achieving continuous technological innovation and bringing industry-leading solutions to its customers.

Image



liebherr-lb35.1_1.png

The LB 35.1 is designed for all drilling applications in the field of deep foundation.

Contact

Gregor Griesser
Marketing Construction Machines
Email: gregor.griesser@liebherr.com

Ralf Meier
Head of Marketing Construction Machines
Tel.: +43 690 500 44704
Email: ralf.meier@liebherr.com

Published by

Liebherr-Werk Nenzing GmbH
Nenzing/Austria
www.liebherr.com