

Press release

New piling and drilling rig: LRB 19

With the new LRB 19 piling and drilling rig, Liebherr is launching the successor to the tried-and-tested LRB 16 and LRB 18 models. The compact machine is designed for all common applications in the deep foundation sector. The vibrator, hammer or rotary drive can be easily exchanged using a hydraulic quick connection system. A powerful 612 hp (450-kW) engine provides the necessary capacity for all operations.

Las Vegas, NV (USA), March 3, 2026 – The LRB 19 can be used for a wide range of applications in deep foundation work: For piling or vibrating applications, the machine is equipped with the H 6 hammer or the LV 23 and LV 23 F vibrators, all from Liebherr. Drilling with Kelly equipment, double drilling head, full displacement equipment and continuous flight auger or soil mixing are further areas of application. The name LRB 19 reflects the maximum travel distance of the sledge: 62.3 ft (19 m).

The various attachments can be easily exchanged using the hydraulic quick connection system – without tools and without the operator having to leave the cab. All hydraulic, mechanical and electrical connections are automatically coupled. This significantly reduces the set-up time and prevents connection errors. An improved hose guide further optimizes the work process. A new hose sledge ensures that there are no more obstructive hoses during use, which makes the installation of sheet piling in particular much easier. When drilling, the optional pulling device can increase the pull force of the LRB 19 by 24.729 lbf (110 kN).

The new piling and drilling rig scores with a powerful 612 hp (450 kW) diesel engine, the BAT 180.1 rotary drive with a maximum torque of 132,761 lbf-ft (180 kNm) as well as a low transport weight of 106,263 lb (48,2 t) including 17,64 lb (8 t) of counterweight and auxiliary winch. The compact design allows for transportation in one piece with the vibrator attached, making mobilization between jobsites straightforward and more flexible. The remote control simplifies the loading process for transportation as well as the assembly of the machine.

The LRB 19 has a self-assembly system for the counterweight. This can be easily lifted using the leader of the LRB 19, which means no additional crane is required for assembly. The all-round platform with railings on the uppercarriage ensures both high accessibility and safety during maintenance work or inspections on the machine. The optimized arrangement of the LED headlights ensures the best possible visibility in the work area, even at night.

Digital assistance systems for highest efficiency and safety

All well-known Liebherr assistance systems for deep foundation applications are available for the LRB 19. The LIPOS positioning system uses the latest satellite technology to support the operator in precisely aligning the attachment tools during drilling or piling operations. During continuous flight auger drilling the concreting process is automated thanks to the drilling assistant. The pre-defined parameters

are implemented by the control system. These can also be adjusted during the drilling process, if necessary. The vibro-replacement process also runs automatically, thanks to the vibro-assistant.

Working area restriction helps the operator to monitor the rotation range, working radius or machine height (height adjustment). As soon as the operator tries to move the machine into the pre-defined restricted area, it stops automatically and thus prevents possible collisions. Other assistance systems such as ground pressure visualization or eco-silent mode increase the efficiency of the machine and the comfort of the operator. All assistance systems contribute to time savings, higher availability of the machine and a significant increase in safety during operation. The newly designed piling and drilling rig LRB 19 convinces through precision, high performance and a long service life.

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 manufacturers of construction equipment in the world. It also provides high-quality, 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 staff have been pursuing the goal of achieving continuous technological innovation, and bringing industry-leading solutions to its customers.

Image



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New machine for deep foundation work: the piling and drilling rig LRB 19 from Liebherr.

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