# Drilling rigs
## LB series

### LB 16 - 180
- **Weight**
  - Operating weight* t: 52.8
- **Rotary drive**
  - Max. torque kNm: 180
- **Kelly winch**
  - Line pull effective kN: 160
- **Rope crowd system**
  - Crowd force (push/pull) kN: 200 / 200
- **Kelly operation**
  - Max. drilling diameter (uncased) mm: 1500
  - Max. drilling depth m: 34.5
- **Engine**
  - Type: Liebherr D 944 A7-04
  - Power rating according to ISO 9249 kW / hp at 1700 rpm: 230 / 308

### LB 20 - 230
- **Weight**
  - Operating weight* t: 68.7
- **Rotary drive**
  - Max. torque kNm: 230
- **Kelly winch**
  - Line pull effective kN: 180
- **Rope crowd system**
  - Crowd force (push/pull) kN: 300 / 300
- **Kelly operation**
  - Max. drilling diameter (uncased) mm: 1500
  - Max. drilling depth m: 52.6
- **Engine**
  - Type: Liebherr D 936 A7-04
  - Power rating according to ISO 9249 kW / hp at 1700 rpm: 320 / 429

### LB 24 - 270
- **Weight**
  - Operating weight* t: 76.4
- **Rotary drive**
  - Max. torque kNm: 270
- **Kelly winch**
  - Line pull effective kN: 210
- **Rope crowd system**
  - Crowd force (push/pull) kN: 320 / 320
- **Kelly operation**
  - Max. drilling diameter (uncased) mm: 1900
  - Max. drilling depth m: 64.6
- **Engine**
  - Type: Liebherr D 936 A7-04
  - Power rating according to ISO 9249 kW / hp at 1700 rpm: 320 / 429

### LB 28 - 320
- **Weight**
  - Operating weight* t: 99.3
- **Rotary drive**
  - Max. torque kNm: 320
- **Kelly winch**
  - Line pull effective kN: 300
- **Rope crowd system**
  - Crowd force (push/pull) kN: 400 / 400
- **Kelly operation**
  - Max. drilling diameter (uncased) mm: 2300
  - Max. drilling depth m: 70
- **Engine**
  - Type: Liebherr D 946 A7-04
  - Power rating according to ISO 9249 kW / hp at 1700 rpm: 390 / 523

### LB 36 - 410
- **Weight**
  - Operating weight* t: 115.7
- **Rotary drive**
  - Max. torque kNm: 410
- **Kelly winch**
  - Line pull effective kN: 400
- **Rope crowd system**
  - Crowd force (push/pull) kN: 400 / 400
- **Kelly operation**
  - Max. drilling diameter (uncased) mm: 3000
  - Max. drilling depth m: 88
- **Engine**
  - Type: Liebherr D 946 A7-04
  - Power rating according to ISO 9249 kW / hp at 1700 rpm: 390 / 523

### LB 45
- **Weight**
  - Operating weight* t: 116
- **Rotary drive**
  - Max. torque kNm: 450
- **Kelly winch**
  - Line pull effective kN: 420
- **Rope crowd system**
  - Crowd force (push/pull) kN: 400 / 400
- **Kelly operation**
  - Max. drilling diameter (uncased) mm: 4500
  - Max. drilling depth m: 95
- **Engine**
  - Type: Liebherr D 946 A7-04
  - Power rating according to ISO 9249 kW / hp at 1700 rpm: 390 / 523

### LB 44 - 510
- **Weight**
  - Operating weight* t: 155
- **Rotary drive**
  - Max. torque kNm: 510
- **Kelly winch**
  - Line pull effective kN: 500
- **Rope crowd system**
  - Crowd force (push/pull) kN: 560 / 560
- **Kelly operation**
  - Max. drilling diameter (uncased) mm: 3000
  - Max. drilling depth m: 94.6
- **Engine**
  - Type: Liebherr D 9508 A7-04
  - Power rating according to ISO 9249 kW / hp at 1700 rpm: 505 / 677

*Weights can vary depending on the final configuration of the machine.*