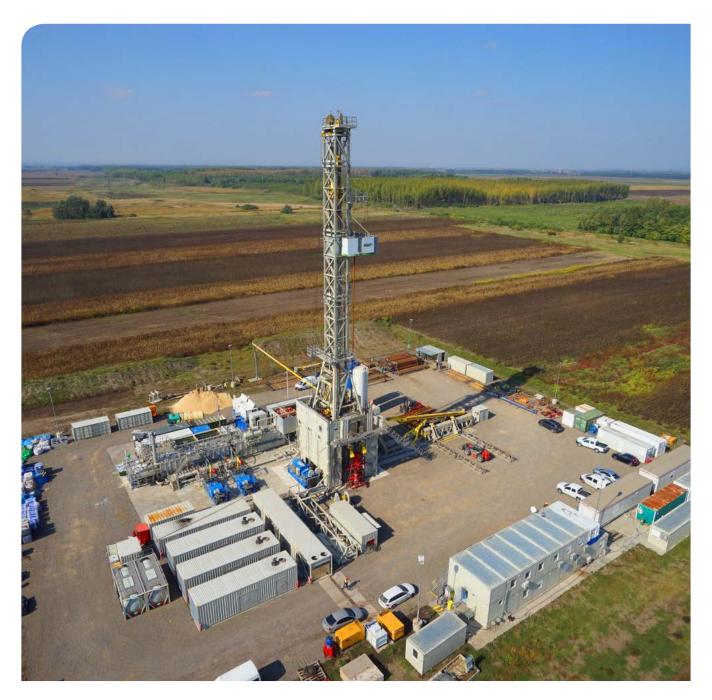


BENTEC 250 Drilling Rig



This new, modern land-drilling rig represents environmental and safety solutions as well as technological progress. The rig is designed and manufactured according to API 4F and the latest European regulations including low emissions and is fully ATEX certified. The rig is AC driven and joystick operated.

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BENTEC 250 Drilling Rig

| Mast | |
|--|--------------------------------|
| Туре: | MVL-660-138-21 |
| System: | Vertical lift |
| Total overall height incl. substructure: | 42 / 53 m (137,8 / 173,9 ft) |
| Mast clear height: | 33 / 42 m (108,2 / 137,8 ft) |
| Mast base: | 6,5 m x 5,6 m (21,3 × 18,4 ft) |
| Hookload capacity at 10 lines: | 300 mt (661 klbs) |
| Racking capacity: | cca 4.200 m (13.780 ft) |

| Substructure | |
|---------------------------------|------------------------------|
| Туре: | SSB-660-375-27 |
| System: | Box-on-Box |
| Height of drill floor: | 6,2 / 8,2 m (20,3 / 26,9 ft) |
| Height underneath rotary table: | 5 / 7 m (16,4 / 23 ft) |
| Casing load: | 300 mt (661.000 lbs) |
| Setback load max.: | 170 mt (375.000 lbs) |

| Drawworks | |
|---------------------------|--------------------|
| Make and Type: | Bentec E-300-AC-SG |
| Drive capacity: | 920 kW (1.250 HP) |
| Drill line diameter: | 32 mm (1 1/4") |
| Max. line pull, 1st gear: | 317 kN (32,3 mt) |

| Power Generation | |
|-----------------------------|-------------------------|
| Make and Type: | Three (3 x) x CAT 3512B |
| Engine rating: | 1.310 bkW @ 1.500 1/min |
| Generator type: | Three (3 x) AvK-DSG |
| Emergency generator engine: | One (1 x) CAT C-15 |
| VFD container: | Bentec |

| Top Drive | |
|---------------------------------------|------------------------|
| Make and Type: | Bentec TD-350-HT |
| Load rating: | 318 mt (700.000 lbs) |
| Output Torque (continuous): | 63 kNm (46.500 ft lb) |
| Tool Torque (intermittent and stall): | 100 kNm (73.760 ft lb) |

| Rotary Table | |
|---------------------|----------------------------|
| Type: | Kerui RDE-375-90-1-38-30,9 |
| Rotary Table Drive: | 2 x 45 kW AC |

| Mud Pumps | |
|------------------|-----------------------------|
| Make and Type: | Bentec T-1600-AC-7 1/2"x12" |
| Number of: | Two (2 x) |
| Electric Motors: | 1.200 kW AC (1.600HP) |
| Max pressure: | 345 bar (5.000 psi) |

| Mud Tank System | |
|--------------------|---------------------------------|
| Type: | Rectangular tanks |
| Active mud volume: | 150 m³ (incl. mix compartments) |
| Reserve mud tank: | 30 m³ |

| Solids Removal System | |
|------------------------|----------------------------------|
| Shale shaker type: | Three (3 x) Mongoose Pro |
| Desander: | 3 x 10" cones |
| Desilter: | 20 x 4" cones |
| Drilling Mud Degasser: | Bentec Vacuum Degasser DMD-250-H |
| Mud Gas Separator: | Poor boy style 48", mounted |
| | on the Trip Tank frame |

| Iron Roughneck | |
|-------------------|---------------------------|
| Make and Type: | Bentec IR-100 |
| Make-up Torque: | 135,6 kNm (100.000 ft lb) |
| Break-out Torque: | 162,7 kNm (120.000 ft lb) |

| Additional Features | ; |
|-----------------------|---|
| Mast: | Configuration for double-stands |
| | Configuration for triple-stands |
| Drawworks: | 4-Quadrant system with Disc Brake |
| Colour Camera System: | At Racking Board, Shale Shakers, |
| | Mud Pumps, Drawworks |
| Safety Systems: | AntiCollision System, |
| | Gas Detection System |
| Another Features: | InfoDrill Information System, |
| | Soft Torque System, FeedOff Control, etc. |
| Another options: | Skidding system for rig move |
| | with full setback for up to 15 m |