

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.

BENTEC 250 Drilling Rig

Mast

Type:	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 x 18,4 ft)
Hookload capacity at 10 lines:	300 mt (661 klbs)
Racking capacity:	cca 4.200 m (13.780 ft)

Substructure

Type:	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 m ³ (incl. mix compartments)
Reserve mud tank:	30 m ³

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