

# BENTEC 3000HP - Equipment Limits



Design Drilling Depth: 30,000 ft (9,144 m)

**Crown Block**  
 1500,000 lbs (680t)  
 1 fastline sheave (1828 mm)  
 6 cluster sheave (1524 mm)  
 1 deadline sheave (1828 mm)

Casing capacity: 1,500,000 lbs (680 t)  
 Setback capacity: 826,000 lbs (375 t)

**Drilling line**  
 One (1) with 7,500 ft (2,286 m) x 1 5/8" (42 mm), 8x19 S, IWRC  
 IPS acc. to API 9A

**Top Drive TD-750-HT (7,500 psi)**  
 API Load Capacity: 750 ton (680 t)  
 Nominal Input Power: 1,609 HP (1200 kW)  
 Pressure Rating (max.): 7,500 psi (500 bar)  
 Drill Speed: 0 - 270 rpm continuous  
 Continuous Torque: 77,400 ft-lb (105,000 Nm)

**Top Drive TD-750-HT (7,500 psi)**  
 Make up / Break out Torque: 160,000 ft-lb (118,000 Nm)  
 Link Tilt Capacity: 8,800 lbs @ 5.90 ft (4 t @ 1.8 m)

**Kelly Hose**  
 3 1/2" ID x 82 ft Rotary Hose  
 API grade E  
 5,000 psi working pressure  
 7,500 psi test pressure  
 With integral 4" Weeco male coupling and safety clamp each end  
 Standard: API Spec 7K

**Bentec Drawworks E-3000-AC**  
 Rated Power: 3,000 HP (2,200 kW)  
 Drill line size: 1 5/8" (42 mm)  
 Gear: Two, High and Low  
 Max. line pull: 123,000 lbs (558kN)  
 Max. line speed: 57 ft/sec (17.4 m/sec)  
 Max. hook load with 12 lines: 1,299,000 lbs (589 t)  
 Max. hook load with 14 lines: 1,500,000 lbs (680 t)  
 Max. hook load with 16 lines: 1,697,000 lbs (770 t)  
 Weight: 121,250 lbs (55 t)  
 Dimensions (LxWxH): 338"x126"x118" (8,600 mm x 3,200 mm x 3,000 mm)

**Travelling Block BE-TB-750-7-60**  
 Load Capacity: 750 ton (680 t)  
 Number of sheaves: seven (7)  
 Line size: 1 5/8" (45 mm)  
 Sheave OD: 60" (1,524 mm)

**Deadline Anchor (DA-150-W-1 5/8)**  
 One (1)  
 Line pull: 150,000 lbf (667 kN)  
 Drill line diameter: 1 5/8" (42 mm)  
 Drum diameter: 28" (711 mm)

**Bentec Rotary Table (Full Drive) RDF-375-850-VAR-225-31**  
 Diameter of opening: 37 1/2" (952 mm)  
 Static load rating: 650 ton (590 t)  
 Motor Type: Bentec AC Motor  
 BAFD 400.S 623 EX, 850 KW (1140 HP)  
 Max. rotary speed: 225 rpm  
 Max. rotary torque: 22,500 ft-lb (30,500 Nm)  
 Weight: 25,350 lbs. (11.5t)

**Bentec Mud Pump T-1600-AC (R)-7 1/2"x12" (5,000 PSI)**

Rated Power: 1,600 HP (1,200 kW)  
 Bentec AC Motor BAFD 400.L 623 EX, 1200 KW (rear mounted)  
 Max. speed: 120 SPM  
 Min. speed: 40 SPM  
 Stroke length: 12" (304.8 mm)  
 Max. Liner Size: 7 1/2" (190.5)  
 Min. Liner Size: 5 1/2" (139.7 mm)  
 Max. Flow at max. Liner Size: 826 gal/min (3127 l/min)  
 Max. Flow at max. Pressure: 486 gal/min (1838 l/min)  
 Fluid End Type: Valve over Valve  
 Max. Working Pressure: 5,000 psi (350 bar)  
 Transport Dimensions (LxWxH): 236 "x 100.8" x 111" (6,000 mm x 2,560 mm x 2,820 mm)  
 Weight (Transport): 76,060 lbs (34.5 t)  
 Charge pump is installed on charge pump skid

