

320 Metric Ton Train Rig



Rig Parameters

Ambient temperature: -40°C to 40°C operation; arctic compatible
Capacity: 320 metric ton (353 ton)
Power: 1,120 kw (1,500 hp)
Rig Power: AC; 6.3 kV high line

Mast

Triples
Type: low pivot cantilever
Raising system: sling-line raised by drawworks
Height: 46.3 m (152 ft)

Substructure and Moving System

Quadra-lift, drawworks raised
Assembly: ground level
Floor height: 10 m (32.8 ft)
Setback capacity: 5,000 m of 127 mm drill pipe
Moving system: rollers on rails, with hydraulic cylinders

Drawworks

DSGD-320MT
Horsepower: 1,120 kw (1,500 hp)
Hoisting capacity: 359 MT (792,000 lb) on 10 lines
Hoisting speed (empty): 1.6 m/s (315 fpm)

Top Drive

TDS-11SA
Capacity: 454 MT (500 ton)
Drilling torque @ 120 rpm: 50.8 kNm (37,500 ft-lb)

Iron Roughneck

ST-80C²
Makeup torque: 81.3 kNm (60,000 ft-lb)
Breakout torque: 108 kNm (80,000 ft-lb)

BOPs

Spherical and double ram
Bore size: 13 5/8"
Working pressure: 35 MPa (5,000 psi)

Driller's Controls

Amphion
Driller's cabin: Climate controlled

Rotary Table

D-375
Opening: 37 1/2"
1,150 HP

Mud Pumps

Two (2) FD-1600s
Power: 1,190 kw (1,600 hp)

Optional Equipment

Back-up generator sets
High-torque TDS-11SH top drive
Third mud pump
Reserve tanks

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Corporate Headquarters

7909 Parkwood Circle Drive
Houston, Texas 77036
USA

Rig Systems Headquarters

10353 Richmond Avenue
Houston, Texas 77042
USA