

GustoMSC PRD12,000 Qdrill

Compact DP3 drillship



The PRD12,000 Qdrill is a GustoMSC PRD12,000 compact class drillship design capable of drilling in 10,000 ft water depth, utilizing proven technology drilling equipment, straight forward handling philosophy and is suitable for operations in offshore West Africa, offshore Brazil, Gulf of Mexico and the Asia region.

The longstanding experience of GustoMSC in the design of drilling vessels has been established with the Pelican class vessels in the period of 1970 to 1985 and the subsequent P10,000 series - Pride Africa, Pride Angola, GSF C.R. Luigs and GSF Jack Ryan in the 90's. To date 18 vessels have been built or are under construction.

The Qdrill rig distinguishes itself with the GustoMSC particular design features as highly integrated efficient hull usage maximizing work deck space. The fit-for-purpose and compact design makes the rig highly cost effective. The rig embodies a healthy and safe working environment. The rig will be built obtaining the ABS class notation:

✳ A1 Drillship (E), ✳ AMS, ✳ ACCU, ✳ DPS-3, ✳ CDS, CRC HELDK

As an option the design can be fitted with a GustoMSC patented Thruster Retrieval System, enabling on-site inspection, maintenance and replacement of thrusters.

The Qdrill design includes the following specific design features:

- Drilling in 3,000 m water depth
- Marine drilling riser hold allowing for 60" OD riser joints
- DPS-3 compliant system
- Drill floor and moon pool arrangement allowing for handling the largest subsea trees in the market
- Static hook load 908 t (2,000 kips)
- Riser tension load 1,588 t (14 of 16 x 250 kips)
- Setback capacity 1,275 t (2,800 kips)
- Drilling up to 5 m significant wave height, stand-by up to 6 m significant wave height
- Engine room located aft for noise and vibration free accommodation and smoke free work deck and drill floor
- Fully covered passageways below main deck extending forward to aft for safe personnel transfer on both sides
- Casing storage for two wells
- Very large 3rd party and well testing deck featuring two burner boom locations
- Easy access work deck at elevated level utilized as preferred, e.g. casing preparation, locating logging units or CT reel
- Fixed work deck over riser hold
- Hangar launched ROV (2) close to the moon pool and at optimal location with respect to motions

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Main dimensions

Length (bpp)	198.0 m
Breadth	34.0 m
Depth at centerline	17.5 m
Typical design draught	10.0 m
Displacement	56,000 t
Variable drilling load	15,000 t

Machinery

Diesel generator sets	2 x 3 x 7,370 kW
Emergency generator	1,500 kW
Total installed power	45.7 MW

Thruster capacities

Azimuthing thruster	3 x 4,500 kW
Azimuthing thruster	2 x 4,500 kW
Azimuthing bow thruster	1 x 4,500 kW
Total thruster power	27 MW

Transit speed

Free sailing speed	12 knots
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Autonomy

Fuel storage	35 days
Drilling	two casing programs

Tank capacities

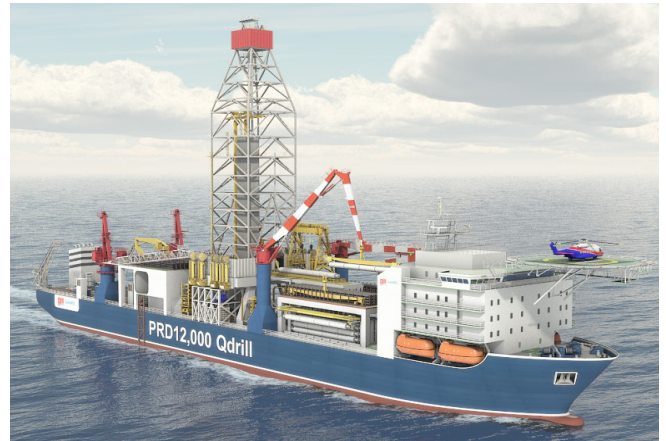
Fuel Oil	3,530 m ³
Potable water	1,085 m ³
Drilling water	2,850 m ³
Mud	2,520 m ³
Brine	1,660 m ³

Storage capacities

Bulk capacity barite/bentonite	476 m ³
Bulk capacity cement	340 m ³
Bulk in sacks	10,000 sacks/500 t

Drilling capabilities

Risers - 21"	3,000 t
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Casing	3,380 t
Drill pipes, collars and tools	640 t
Slip joints	100 t
BOP handling	420 t
Xtree handling	70 t, height 13.2 m

Derrick

Rating	2,000 kips
Crown mounted compensator	1,500 kips
Drawworks	6,000 hp
Set back capacity	1,275 t
Riser tensioners	16 x 250 kips

Cranes

Knuckle boom cranes fwd (riser handling)	2 x 85 t
Knuckle boom or king post cranes aft	2 x 85 t
Pipe handling knuckle boom crane	12 t
Telescoping helideck support crane	5 t

Accommodation

POB	180
Helideck	Sikorsky S-92A

Data presented in this product sheet is for information only and subject to change without notice.

