



# VALARIS DS-16

(Rowan Resolute)

GustoMSC P10,000 Drillship • Year in Service: 2014

## DESIGN

Design  
GustoMSC P10,000

Shipyard Delivery  
2014

Shipyard  
Hyundai Heavy Industries

Classification Agency  
ABS

Flag State  
Marshall Islands

Drilling Systems  
NOV

Subsea Systems  
Cameron

## PROPULSION & POWER

DP Class  
DPS-3

Main Engines  
(6) Himsen 8,000 kW

Emergency Power  
1,500 kW

Thrusters  
(6) 5,000 kW azimuth type,  
self-retracting canister

## DRILLING EQUIPMENT

Derrick  
Combined: 2,000 T  
Main: 1,250 T  
Aux: 750 T

Top Drives  
Main: NOV AC 1,250 st  
Aux: NOV AC 750 st

Drawworks  
Main: 1,250 st, 9,0000 hp active heave  
Aux: 750 st, 5,750 hp active heave

Rotary Table  
Main: 75 1/2", 1,250 st  
Aux: 60 1/2", 1,000 st

Motion Compensator  
Main: 1,250 st CMC (locked)  
+ 1,250 st AHD  
Aux: 750 st AHD (Incorporated in with  
Active Heave Drawworks)

Iron Roughnecks  
(2) 3 1/2" - 20"

## GENERAL SPECIFICATIONS

Length Overall  
752ft

Breadth  
118.1ft

Depth at Side  
59.6ft

Draft (Max. Operating)  
36.1ft

Displacement  
69,900 MT

Rated Max. Water Depth  
12,000ft

Moonpool, Opening at Baseline  
73.5ft x 42ft

Max. Drilling Depth  
40,000ft

Variable Deck Load  
20,000

Heliport  
Sikorsky S-92 or equiv.

Accommodations  
210 persons

Changes / modifications to the above listed equipment could occur.

Maximum Water Depth denotes the designed rating, pending site specific assessment.

Should you have specific questions, please contact the Marketing Department at: [marketing@valaris.com](mailto:marketing@valaris.com)



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## ■ CAPACITIES

Diesel Fuel Oil  
47,605 bbl

Drillwater  
18,602 bbl

Liquid Mud  
20,265 bbl

Bulk Storage  
Barite: 456 m3  
Cement: 456 m3

Fresh Water  
8,839 bbl

Base Oil  
7,206 bbl

Brine/Completion Fluid  
7,916 bbl

## ■ WELL CONTROL & MUD SYSTEM

Mud Pumps  
(5) 14-P-220, 2,200 hp

Mud System Pressure  
7,500 psi

Shale Shakers  
(8) Brandt VSM-300

BOP Stack #1  
(2) 10,000 psi Annulars,  
7 ram 15,000 psi BOP

BOP Stack #2  
(2) 10,000 psi Annulars,  
7 ram 15,000 psi BOP

Control System  
CIW Mark-3 multiplex

Diverter  
72" 500 psi

Choke Manifold  
15,000 psi working pressure, H<sub>2</sub>S rated,  
(2) auto and (2) manual choke design

## ■ RISER SYSTEMS

Riser  
Cameron "Load King" 3.5m  
lbs, 21¼" OD, 1" wall  
thickness  
x 75 ft joints integrated  
support ring

Riser Tensioning  
(16) 250,000 lbs each,  
4,000,000 lbs total

Riser Length  
12,000 ft – below deck storage

Riser Handling  
(2) riser gantry cranes (below  
deck) fully redundant;  
(1) 47 MT riser catwalk  
machine with tailing arm  
(1) riser elevation system from  
bay to deck

## ■ HANDLING SYSTEMS

Cranes  
(3) 100 MT; (1) 165 MT AHC,  
maximum 12,000 ft. water depth;  
(1) 20 MT (poop deck crane)

Tubular Handling  
Dual Hydraracker, extended reach  
(column type) 3½" to 14"

BOP Handling  
(2) 270 MT overhead gantry cranes  
with 600 MT BOP trolley, provides  
full access to both BOP storage areas

Xmas Tree Handling  
(2) 15 MT overhead gantry cranes  
(2) 120 MT Xmas tree skids

Additional  
(1) Riser Hang Off cart 1,000 MT /  
Xmas tree trolley 120 MT

## ■ LIFESAVING SYSTEMS

Lifeboats  
(6) 70 persons

Rescue Boat  
(1) 6 persons

REVISED 7/2019

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