

# GVA

A KBR Company

## Master of the Oceans

### GVA 4000



GVA | Semi-Submersible Drilling Rig

## GVA 4000 – SEMI-SUBMERSIBLE DRILLING RIG

Operation area	Worldwide including North Sea
Operation water depth	1,800 m (6,000 ft)
Drilling depth	Up to 9,140 m (35,000 ft)
Regulations	IMO MODU Code 2001, IMO DP Class 2
Classification	DNV, ABS or Lloyd's
Accommodation	100 persons
Features	Designed with sufficient capacity and flexibility to facilitate both exploration and production drilling. Favorable motion characteristics for efficient and reliable operation also in severe environmental conditions. Fully integrated fluid handling system with segregated mud and brine system with tanks in the pontoons. Low operation and maintenance costs. Large deck area for storage of equipment

### MAIN PARTICULARS

Length over all	101.6 m	333.3 ft
Width over all	78.8 m	258.7 ft
Width outside pontoons	73.4 m	240.8 ft
Length of pontoons	80.6 m	264.3 ft
Height of pontoons	7.5 m	24.6 ft
Height to Main Deck	36.5 m	119.8 ft
Height of deck box	8.0 m	26.2 ft
Four columns	14.2 dia.m	46.6 dia ft
Transit draught	7.2 m	23.4 ft
Transit displacement	21,000 mt	23,147 st
Transit deck & column payload	3,200 mt	3,527 st
Operation draught	20.5 m	67.3 ft
Operation displacement	29,700 mt	32,736 st
Operation deck & column payload	4,200 mt	4,629 st
Survival draught	16.2 m	53.1 ft
Air gap in survival	12.0 m	39.4 ft

### MAIN MARINE SYSTEMS / EQUIPMENT

Power generation	6 x 3,700 kW	6 x 4,960 hp
Thrusters	6 x 3,000 kW	6 x 4,020 hp
Thruster control	DP 2	
Mooring system	Emergency Mooring	
Main deck cranes	2 x 60 mt	2 x 66 st

### MAIN DRILLING SYSTEMS / EQUIPMENT

Derrick for up to 95 ft stands	680 mt	750 st
Top drive	680 mt	750 st
Drawworks	680 mt	750 st
Riser tensioners	2,500 mt	960 st
Drilling riser, 75 ft joints	2,500 kips flange rating	
Mud pumps	3 x 1,700 kW	3 x 2,200 hp
BOP Stack	15 000 psi, 5 rams	

### TANK / STORAGE CAPACITIES

Fuel oil	2,340 m <sup>3</sup>	14,716 bbls
Drill water	1,660 m <sup>3</sup>	10,440 bbls
Potable water	360 m <sup>3</sup>	2,264 bbls
Mud storage, col+pont	400 m <sup>3</sup>	2,516 bbls
Mud pits	700 m <sup>3</sup>	4,402 bbls
Brine	400 m <sup>3</sup>	2,516 bbls
Base oil	250 m <sup>3</sup>	1,572 bbls
Bulk mud	400 m <sup>3</sup>	14,100 cbft
Bulk cement	200 m <sup>3</sup>	7,050 cbft
Sack storage	7,500 sacks	7,500 sacks