

NG series jack-up vessels

Type NG-2500X



Description

The NG series is a series of multi-purpose jack-up vessels. The self-propelled unit undertakes field moves and positioning for jacking operations without tug assistance. The four legs and the diagonal pre-loading allow for easy and fast installation. The NG-2500X is intended for use in water depths of up to 52 m (SWL) in a North Sea type rough environment and up to 70 m in a benign type of environment.

This product sheet describes the standard unit. Customization to the client's requirements is possible.

Main dimensions

Hull length	61.0 m
Hull width	36.0 m
Hull depth	6.0 m
Hull draft	3.7 m
Leg length max (incl footing)	84.8 m
Optional (for benign area)	94.5 m

Classification and Regulations

ABS ✕ A1, Self Elevating Unit, ✕ AMS, ✕ ACCU, ✕ DPS-2

Jacking system

• Type	rack & pinion
• Preload	2,750 t per leg
• Jacking speed (hull)	0.8 m/min

Power plant and propulsion

• Generator sets	4 x 1,600 kW
• Emergency set	480 kW
• Thrusters	4 x 1,500 kW

Craneage

• Main crane	300 t at 16 m
• Auxiliary crane	15 t at 25 m

Hotel facilities

Fully air-conditioned cabins for 90 persons
Facilities up to 120 persons

Helideck

• Helicopter	Sikorsky S61N, S92
• Dimension	22 m

The Netherlands

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Storage capacities

• Fuel oil	300 m ³
• Potable water	480 m ³
• Brine	200 m ³

Variable load and deck space

• Variable load (survival)	1,200 t
• Free deck space	900 m ²

Design criteria

	North Sea	Benign
• Water depth max [m]	45.6	68.5
• Wave height max [m]	13.1	8.0
• Associated wave period [s]	11.3	7.5
• Surface current [m/s]	1.64	10
• Wind speed (1 min) [m/s]	38.8	33.0
• Leg penetration [m]	1.0	3.0
• Air gap (SWL) [m]	12.9	7.5
• Leg length [m]	84.8	94.5

Units built or under construction

• Seajacks Kraken	2009
• Seajacks Leviathan	2009
• GMS Endeavour	2009
• GMS Endurance	2010
• SEP-450 Mussafah	2011

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