

GustoMSC

Constructor - S-lay



The Constructor S-Lay Vessel has been specifically designed to accommodate the requirements of the SURF market. The vessel has excellent sea keeping and DP capabilities in combination with a good transit speed. As an option the vessel can be designed with Ice Class.

The vessel has been provided with a Single joint S-lay pipelay system located under deck, with a fixed (removable) stinger. The vessel provides a stable platform for lifting operations and high crane capacity can be provided in order to service subsea installation operations as well as other construction activities.

The vessel's general arrangement and power distribution system has been laid out for increased redundancy according to DYNPOS-AUTRO requirements. The vessel's power generation system can optionally also be executed for DYNPOS-AUTRO under the specified environmental conditions.

Principal dimensions and main particulars

Length oa	155.0 m
Length pp	149.0 m
Breadth moulded	30.0 m
Depth at side	13.0 m
Transit draught	8.0 m
Design draught	9.0 m

Classification

The vessel, including the crane is designed according to the rules and regulations of Det Norske Veritas to obtain the Class notation:

⌘1A1 Pipe Laying Vessel SPS E0 BIS DYNPOS-AUTR DYNPOS-ER CRANE

The following optional class notations have been foreseen in the design of the vessel:

DYNPOS-AUTRO
CLEAN DESIGN
COMF-V(crn) -C(crn)
HELDK-SH
BIS (N)
DK(+)

The Netherlands

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Machinery

Power generation:

Main diesel generators	6 x 5,250 kW
Emergency diesel generator	1 x 1,000 kW

Propulsion and DP

Main azimuthing thrusters	3 x 4,000 kW
Retractable azimuthing thrusters	2 x 4,000 kW
Tunnel thrusters	2 x 1,750 kW

Speed

Trial speed 16.0 knots

Accommodation

Accommodation unit	234 persons
Suites	4 cabins
Singles	6 cabins
Doubles	12 cabins

Helideck

Sikorsky S61N / S92, Super Puma

Lifting systems

Main heave compensated subsea installation crane	up to 600 t capacity
Auxiliary crane	25 t

Flex lay system

Single joint S-lay pipelay system located under deck, with a fixed (removable) stinger

Pipe size range	6"- 42" (O.D.)
Work stations	9
Tensioners	3 x 135 t
A&R system	450 t
Auxiliary A&R system	250 t tension
Stinger length	86 m

ROV system

Optional hangar to accommodate two side launched work class ROVs including their launch and recovery systems and umbilical winches

Anti roll / anti heel system

A blower type anti heeling system combined with anti rolling system, comprising 2 U-type water ballast tanks

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

