



Saipem

offshore

Castoro Otto



# Castoro Otto

## HULL TYPE

Self propelled ship shaped

## CLASS

R.I.Na. and A.B.S.

## DIMENSIONS

Length (o.a.) 191.4 m (628.00 ft)

Breadth 35.0 m moulded (114.82 ft)

Depth to main deck 15.0 m (49.00 ft)

Draught max. 9.5 m (32.80 ft)

Draught min. 6.7 m (22.00 ft)

## DISPLACEMENT

max. 59,200 t

min. 38,800 t

## MOORING SYSTEM

Anchors AC 14 type 12 x 20 t

Cable dia. 3 in

Drum capacity 3,000 m (10,000 ft)

Winches 12

Winch motors Electric D C powered by SCR units

Max. pull at stall 257 t

Delta Flipper anchors 15t





#### PROPULSION SYSTEM

Two variable pitch propellers at vessel stern, in steerable kort-nozzles and 4,000 HP each to produce a total propulsion power of 8,000 HP. One bow thruster, variable pitch 1,200 HP

Cruising speed: 8 knots

#### TENSION SYSTEM

Western and Gear tensioners 3

Max. tension 135 t

Max. inhaul speed 37 m/min (121.4 ft/min)

Max. outhaul speed 60 m/min (197.0 ft/min)

Western and Gear A/R

winch line pull (full drum) 135 t

Max. inhaul speed 17 m/min (55 ft/min)

Max. outhaul speed 27 m/min (88 ft/min)

Cable dia. 3 in or 25/8 in

Drum capacity 1,200 - 1,500 m (3,900 - 6,230 ft)

An integrated control system provides an automatic shifting of the pipe tension from the tensioning to the A/R winch or vice-versa





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### LAYING FACILITIES

Working ramp: central

5 equipped welding stations (for double jointed pipes) + 1 spare ready to be equipped if needed with PASSO system, supplied by welding machine Esab LUD 400

2 NDT stations

2 Coating stations

Single joint welding

### STINGER

Main stinger length is 52 mts. 2 extensions available, one is 42 mts 3 support and one is 28 mts with 2 support

### PIPE HANDLING

Two longitudinal conveyors feed independently the working ramp, one gantry crane (on port side) and one crawler cranes (on starboard side) supply the conveyors.





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### LIFTING FACILITIES

The rotating main crane is a Clyde model 76 W mounted on pedestal

The boom extends 90 m (295 ft) from boom hinge and has three sets of hooks with the following maximum lifting performance:

Main hook (1):

- Overstern 2,177 t at 39.6 m (130 ft) radius
- Fully revolving 1,814 t at 33.5 m (110 ft) radius

Auxiliary hooks (2): 453.5 t at any radius to 70 m  
Whip hook (1): 90.7 t at any radius to 84 m (275 ft)

Gantry crane:

American Hoist model M-25 A fully revolving mounted on longitudinal rails 75 st at 17 m radius

Crawler crane:

1 American Hoist model 9299 150 t at 5 m radius

### DAVITS (as option)

6 side davits remotely operated equipped for constant monitoring of load and wire length on each hook  
60 MT (each)

### ENGINES

Main engines 5 x 4,800 HP each

Power generators 5 x 4,200 kVA each

### QUARTERS

Living quarters fully air conditioned for 359 persons

### HELIDECK

In conformity with Norwegian standards for Sikorski S 61

### TELECOMMUNICATIONS

Radio (VHF-HF), teletype, radar, facsimile meteo chart receiver, satellite A, B, C, DMS System, dual GMDSS system, E-mail and Internet



