



CASTORO 10

TRENCH/PIPELAY BARGE



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WORKABILITY

FLOATING STINGER AND ADJUSTABLE MINI-STINGER FOR SHALLOW-WATER OPERATIONS

TECHNICAL SPECIFICATIONS

MAIN FEATURES

- Length overall (including stinger): 164.62 m
- Length overall (including truss): 139.72 m
- Length between perpendiculars: 112.82 m
- Breadth overall: 36.57 m
- Depth overall: 9,144 m
- Lightship draught (mean): 2.84 m
- Lightship displacement: 10,875 t
- Operating draught (typical): 5,200 m
- Displacement on maximum draught: 21,638 t
- Deadweight on maximum draught: 12,574 t
- Gross tonnage: 10,487 t
- Net tonnage: 3,146 t
- Max. deck space: 1,000 m²
- Max deck load: 3.6 t/m²

CLASSIFICATION

- RINA Class: C pontoon - crane; Special service - pipelaying unit; Special navigation
- RINA Number: 82960

POWER GENERATION

- Main generators: 5 x @ 800 kW
- Deck generators: 2 x @ 1,450 kW each

CAPABILITY

PIPELAY AND TRENCHING CAPABILITIES

ACCOMMODATIONS

- Total: 200 persons

MOORING SYSTEM

- Anchors: 9 x 7 t Delta Flipper
- Winches: 8 x Intercon 74 - 170 (max. pull: 50 t)
- 1 x PH (max. pull: 70 t)
- Wire capacity: 1,800 m of 58 mm

PIPELAY EQUIPMENT

- Fully enclosed production line for a 60" max. pipe diameter
- Tensioners two track type @ 90 t
- A&R winch minimum 200 t @ 30 m/min
- Fully automated welding system
- SWS and Passo
- Main line fully enclosed production line
- Line-up system: 2 x multi directional rollers
- Bevelling facilities: 2 x stations @ 44 kW
- NDT stations: 2 x X-ray weld test stations
- Field joint stations: marine mastic or foam injection

LIFTING EQUIPMENT

- Fwd deck crane Manitowoc: 999 W Series 2
- Boom length: 45.2 m
- Max. capacity: 72 t
- Aft deck crane Manitowoc: 14000 W Series 2
- Boom length: 38 m
- Max. capacity: 161.2 t
- Aft STBD Crane Palfinger PTM 1700A 15 t
- Max. outreach: 24 m
- 6 Righini pipe davits
- Max. capacity: 100 t each

The Castoro 10 trench/pipe lay barge is able to operate in very shallow waters near the coastline for laying pipe up to 60" in S-lay mode. The Castoro 10 is also capable of executing AWTI (Above Water Tie In) operations by means of 6 davit cranes, each with a 100 t capacity.

DID YOU KNOW?

THE CASTORO 10 MAINTAINS ITS POSITION THANKS TO 9 DELTA FLIPPER 7 T ANCHORS CONNECTED TO 8 MOORING WINCHES WITH A 50 T PULLING CAPACITY EACH