

TECHNICAL SPECIFICATION “ST”-CLASS

MULTIFUNCTIONAL HEAVY LIFT TRANSPORT VESSEL

FLOAT-IN FLOAT-OUT / ROLL-ON ROLL-OFF / LIFT-ON LIFT-OFF



R ROLLDOCK

Together **We know how**

DOCK TYPE SEMI-SUBMERSIBLE MULTIFUNCTIONAL HEAVY TRANSPORT VESSEL “ST” CLASS

ROLDOCK STAR ROLDOCK STORM

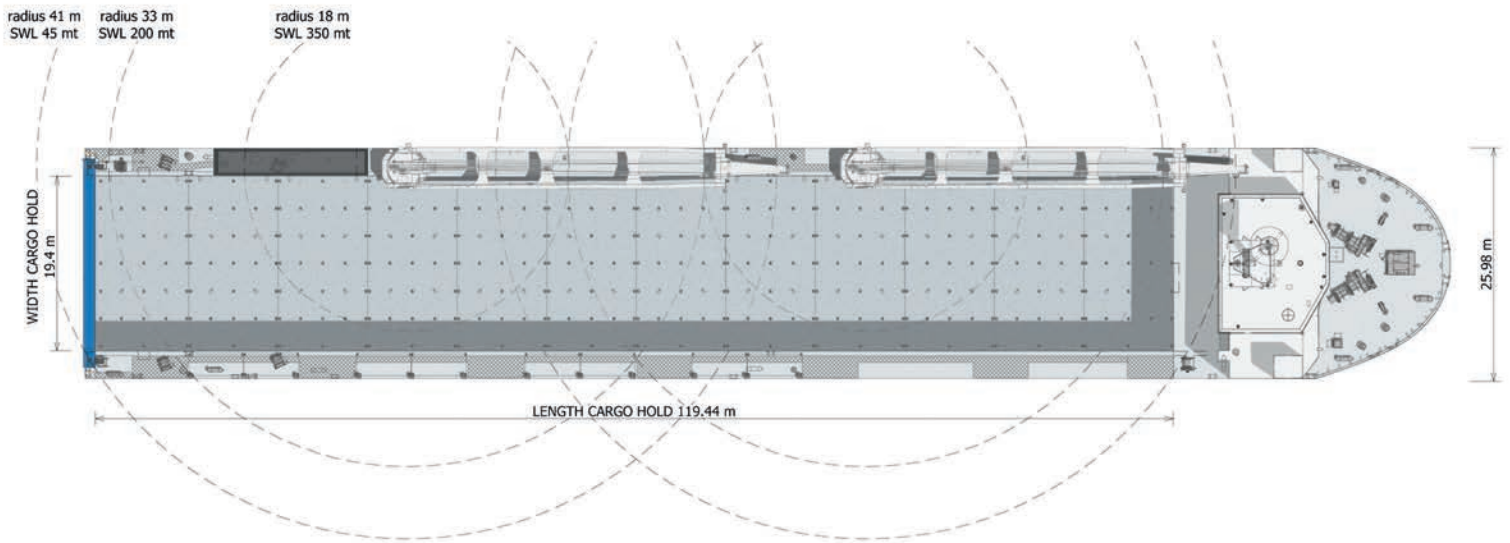
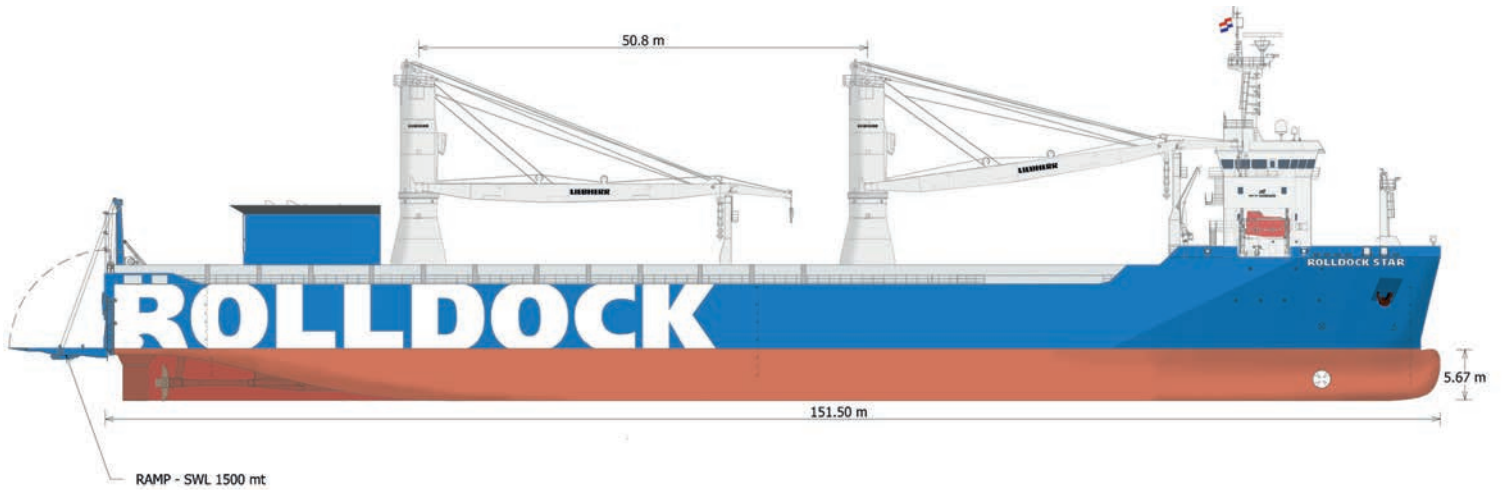
(all details abt. & w.o.g.)

Type:	Dock type Semi-submersible Multifunctional Heavy Transport vessel Float-in Float-out / Roll-on Roll-off / Lift-on Lift-off
Flag:	Dutch
Class:	GL + 100A5 E2 BWM (ice class E2) Semi-submersible heavy lift ro-ro multi purpose dry cargo ship, strengthened for heavy cargo Classed as ‘open vessel’
Design speed:	17 kts
Length o.a.:	151.50 m
Length b.p.p.:	145.04 m
Beam:	25.40 m
Draft Max (summer):	5.67 m
Draft Min (shallow draft):	4.50 m
Deadweight:	~ 9,000 mt (without hatch covers on board) ~ 8,000 mt (with hatch covers on board)
Depth to main deck:	5.90 m
Submerged draft of vessel:	12.50 m
Submerged draft in hold:	6.60 m
1 hold fully box shaped/dims.:	119.44 x 19.40 x 8.10 m
Hold capacity:	~ 18,768 cbm
Accommodation:	32 persons

Weather deck plus Ro-Ro stern ramp adjustable in 6 positions serving various quay heights for operations with exceptional loads. The Ro-Ro ramp is also removable to accommodate oversized cargo(s).

Ro-Ro Stern Ramp	
Dimensions:	19.40 x 9.50 m (excluding 2 m flaps)
Capacity:	Allowing Ro-Ro cargo upto 4,500 mt unit weight depending on cargo configuration
Deck (tank top) strength:	12 mt/m ²
Hatch covers:	7 mt/m ² without support (can be increased with support)
Cranes (Liebherr):	2 x 350 mt (combi 700 mt)
Outreach cranes - Main hoist:	350 mt @ 18 m & 200 mt @ 33 m
Aux. hoist:	45 mt @ 41 m
Main engines:	2 x MAK 9M32 / 9,000 kW installed power
Propulsion:	2 variable pitch propellers, 2 rudders
Auxiliary engines:	2x Caterpillar C32 / 1,140 kVA
Bow thruster:	Schottel 1,200 kW FP freq. contr.

SHIP OVERVIEW





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