

UR141

Transport and lay barge



The UR141 is equipped for transport and storage of subsea High Voltage cables, umbilicals and flowlines. One permanent turntables system with 28 m OD and a payload capacity of 7000 t can be supplemented with optional equipment to suit a variety of storage, transport and installation requirements.

General

Built :	1993
Class :	Det Norske Veritas +1A1 Barge
Signal letter :	LK 4833
Register tonnage :	GRT 5690 NRT 1707

Dimensions

Length overall :	91,71 m
Breadth moulded :	30,48 m
Depth moulded :	7,62 m
Light draft :	0,95 m
Loaded draft :	6,16 m

Capacities

Deadweight :	14011 tons
Lightship :	2225 tons
Deck area :	2787 sq.m
Deck unit load :	15 t/sq.m

Point loads

Crossing points of bulkheads :	435 tons
Crossing points of long. Bulkheads and transv. webs:	260 tons
Midspan trasverse web:	160 tons

Arrangement & Form

Bulkheads:	3 longitudinal, 5 transverse
Bow :	Raked
Stern :	Raked with twin skegs
Ballast tanks:	22
Double bottom:	In pumproom/engine room

Barge equipment

Auxilliaris :	2 DEUTZ air cooled diesels
Generator :	L50 kVA DEUTZ
Lightening :	Solar/battery powered navigation. El. Lightening in pumproom/engine room
Ballast pumps :	2 centrifugal pumps, each 1000 cu.m/h
Anchor winch :	1 Hydraulic
Capstans :	2 hydraulic each max 10 t 12 m/min

Mooring/Towing

Anchor :	1 off 5515 kg pool anchor (Emergency)
Anchor wire :	610 m x 40 mm
Towing arrangement :	3 Smit brackets and 3 fairleads, forward, two for main chain bridle one for emergency chain/wire bridle
Bollards :	6 double bollards each side SWL 26 tonnes
Fenders :	3 tiers of horizontal steel fenders each side. 2 tiers fore and aft. 2 Yokohama fenders 2,5m
Tugger winches :	2 x 10 t tugger winches with dedicated fairleads

Turntable system

Turntable :	7000 t Payload, 28 m OD, 5 m ID with possibility for movable partitions. Standard wall height 6 m
Drive system :	4 electric drive motors
Drive modes :	Automatic drive with selected slave/master plus manual
Electrical Supply :	440 V 3 phase 50 Hz, prepared for load sharing of two generator sets for redundancy plus shore connection.
Spooling unit :	Integrated with turntable with 5 t catepillar
Deck tensioner:	2 t wheel tensioner integrated with spooling unit.

Other equipment

CCTV :	2 off Pan & Tilt
Deck Lighting:	Full coverage
Containers:	1 Office/Offshore Manager 1 Workshop 1 Coffeeshop 1 Deck control container 1 Power Distribution