

C/S NEXANS SKAGERRAK



The C/S Nexans Skagerrak is purpose built to install and repair subsea high voltage cable Systems Her unique payload capacity, shallow draft and bespoke equipment makes her an ideal platform for Transport, installation and protection of cables, umbilicals and flowlines.

Principle dimensions and capacities

Length oa incl. laying wheel :	118.25 m
Breadth moulded :	32.15 m
Depth moulded :	8.00 m
Draught at 9373 t :	5.40 m
incl. stern thrusters :	6.25 m
Deadweight :	9373 t
Ballast capacity :	5948 t
GT :	8460
NT :	2539
Vessel speed :	10 kts
Classification :	
DNV 1A1 Cable Laying Vessel E0 DYNPOS-AUTR SF SILENT E	
IMO No. :	7619458
Call Sign :	LCEK
Flag :	Norwegian (NOR)

Accommodation

Cabins :	60 single
Dayrooms:	2 off
Project offices/meeting rooms:	2 off

Dynamic Position system

NMD/IMO class :	2
Type :	Kongsberg SDP-521
Reference systems :	1 x DGPS
	1 x LRTK
	1 x HIPAP 500
	Fanbeam
	3 x Nav Gyros
	MRU5, MRu2

Storage capacities

Deck area :	Approx. 2400m ²
Deck loading capacity :	10t/m ²
Main turntable :	7000t

Lifting appliances and winches

A-frame :	40t SWL
Main crane forward :	20t SWL
Aft deck crane :	2 x 5t SWL Manriding
Mid ship port crane :	1 x 5t SWL Manriding
Port fwd deck:	1 x 2,5 t SWL
A & R winches :	2 x 30t SWL
Cable handling winch:	1 x 10t SWL
Cherry pickers :	2 x Stern Manriding

Power and propulsion

Power generation :	4 x 400 kW
	1 x 70 kW

Stern thrusters :	2 x 1943 kW (2640 HP) direct driven Azimuth unit
	1 x 1000 kW (1360 HP) electric
Bow thrusters :	1 x 1840 kW (2500 HP) Retractable azimuth unit
	1 x 957 kW (1300 HP) tunnel unit

Cable laying

Main turntable :	Outer diameter : 29 m Inner diameter : 12 m Load capacity : 7000 t
Cable capstan system :	Cable capstan with linear engine. Total pull/braking capacity : 50 t Maximum laying speed : 50 m/min
Laying wheel/chute :	1 x 10 m diameter stern wheel and chute
Laying instrumentation :	Computer based laying control system fully integrated with onboard navigation and survey systems.

Survey

Survey:	Full survey suite for subsea navigation and mapping
Positioning :	3 x LRTK from two independent sources
Heading / Attitude:	Seapath 330 GNSS heading and motion system, MRU5, 2 x Nav gyros
Subsea positioning:	HIPAP 500 (shared with DP), possibility to mount SPRINT INS

ROV

ROV System:	Merlin WR200 Electrical Work Class
TMS:	Tekmar top hat system with 300m tether
Handling System:	SEPRO LARS with 2000m lifting umbilical
Optional	Second WROV, OBS ROV or Captrack system

Trenching

Trenching units:	Nexans Capjet trenching/dredging units
Handling System:	SEPRO LARS with AHC winch

Cable jointing/repair

Jointing area :	A 3 x 15 m, enclosed area is purpose designed for performance of high voltage cable jointing.
Cable Jointing eq. :	All required equipment for jointing can be accommodated with ready connections to ship utilities.
Cable handling eq. :	Main equipment for cable handling during a jointing/repair is permanently stored onboard.

Near shore cable handling /pull-in

Work boats:	Minimum 6 carried
Inflatable Cable floats :	Minimum 200 carried

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