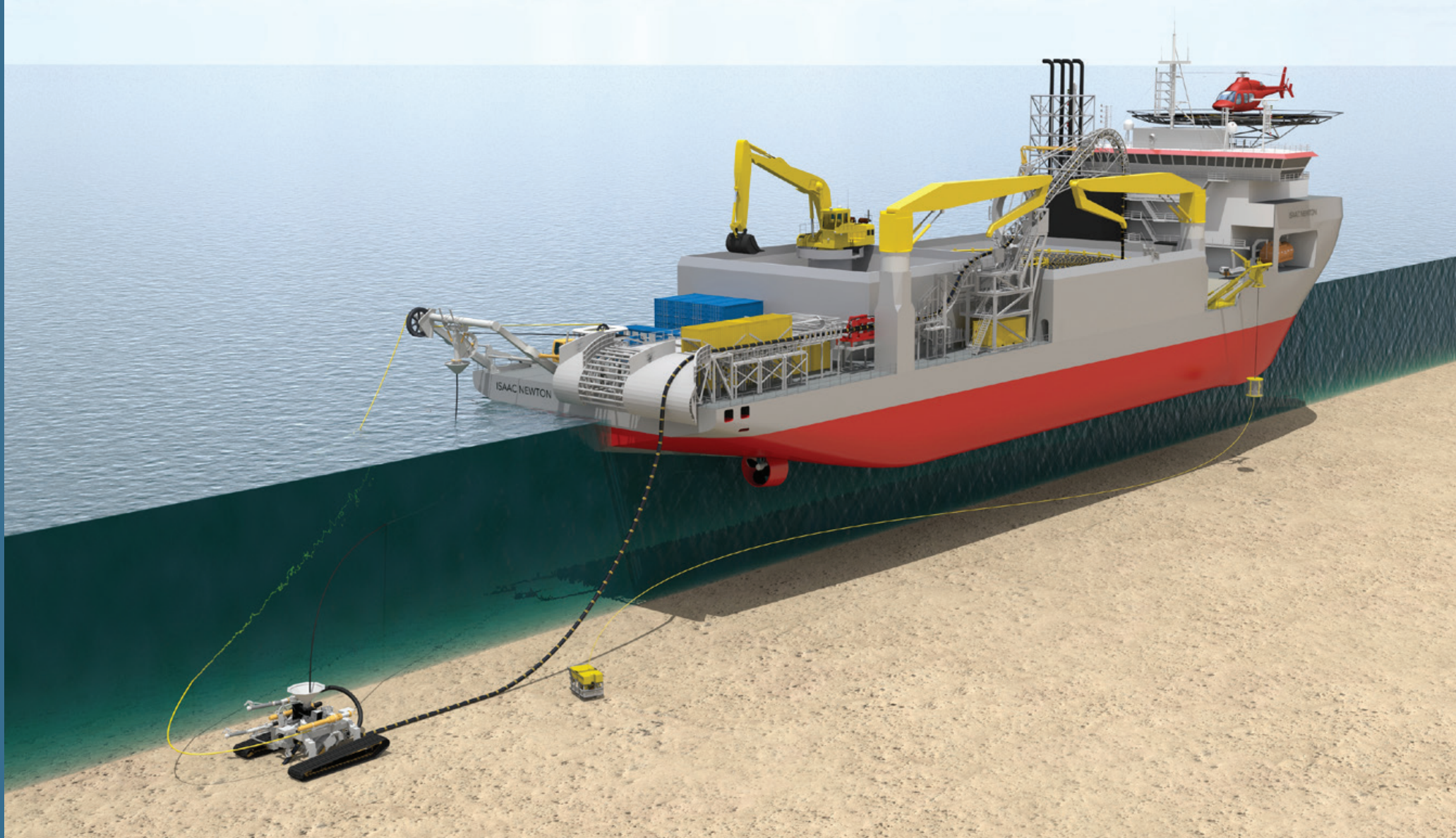


# ISAAC NEWTON



**Jan De Nul**  
GROUP

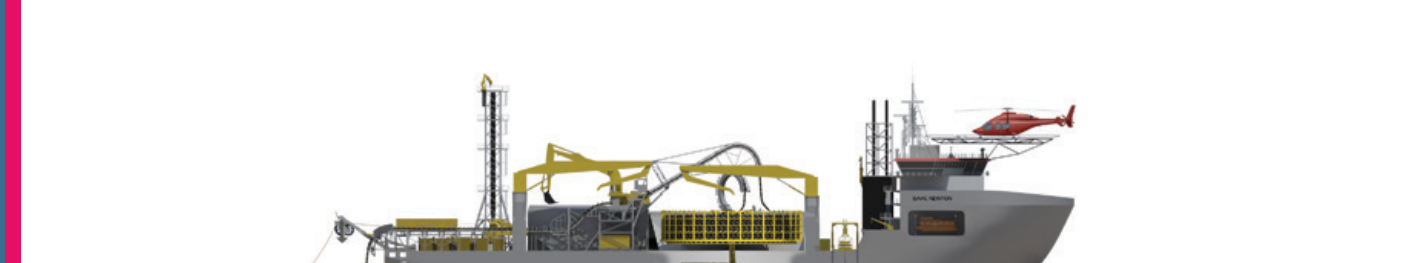
[www.jandenul.com](http://www.jandenul.com)

**MULTI-PURPOSE VESSEL**

**Cable Laying / Trenching and Offshore Support Vessel  
Subsea Rock Installation Vessel**

# ISAAC NEWTON

Deadweight	12,500 ton
Turntable capacity	4,500 ton + 7,400 ton
Rock carrying capacity	10,000 ton
Length o.a.	138.0 m
Breadth	32.0 m
Draught loaded	7.0 m
Dynamic positioning	DP2
Propulsion power	2 x 3,000 kW
Bow thruster power	2 x 1,500 kW
Retractable thruster power	2,000 kW
Total installed diesel power	12,330 kW
Bollard pull	100 ton
Speed	12.5 kn
Accommodation	75
Built in	Under construction - 2015



In the **Cable Laying mode**, the vessel can **install up to 10,500 ton of cable** and is thereto equipped with 7,400 ton capacity turntable above deck and a 4,500 ton capacity turntable below deck along with two tensioners of 20 ton or as required by the project, chute and auxiliary equipment.

In the **Subsea Rock Installation mode**, the vessel can **install up to 10,000 ton of rock** in a single load by using the aft stone hopper with a capacity of 3,000 ton and the midship hopper with a capacity of 7,000 ton along with the two excavators and the fall pipe for accurate rock installation at up to 200 m water depth.

In the **Combi Cable Laying / Trenching and Offshore Support Vessel / Subsea Rock Installation mode** any combination of the above is possible up to the carrying capacity of the vessel.

## SPECIFICATIONS OF THE TURNTABLES

	ABOVE DECK	UNDER DECK	
Capacity	7,400 ton	4,500 ton	Max. speed at inner diameter 900 m/h
Inside outer basket diameter	27.4 m	23.5 m	Ramp up to max. speed 45 s
Inner basket diameter	8 m	4.6 m	Loading tower tensioner 5 Te
Basket wall height (open structure)	7 m	4.5 m	Deck tensioner 20 Te

## SPECIFICATION OFFSHORE KNUCKLE BOOM ACTIVE HEAVE COMPENSATION CRANES

	AFT CRANE		FORE CRANE
	MAIN	AUX	MAIN
Capacity	500 kN @ 15 m 350 kN @ 35 m	50 kN @ 35 m	250 kN @ 15 m 100 kN @ 35 m
Max AHC load	350 kN @ 35 m	25 kN @ 35 m	100 kN @ 35 m
Waterdepth	200 m	200 m	200 m
Personnel handling		x	x

V2015-2

The content of this document is provided strictly for information purposes only. Whilst it has been endeavoured to procure completeness and accuracy, no warranty - express or implied - is given, in particular of fitness for a particular purpose. In no event any Jan De Nul Group company will be liable for any whatsoever damages arising directly or indirectly from the use of or reliance on the content provided herein, even if (previous) advice has been given/received that such damages may occur.

