

NBNMS

Specifications
Sheet

BSS-II



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VBMS has developed a burial tool BSS-II. Years of knowledge and experience with vertical injectors and burial sledge systems have all been combined in the design of the BSS-II. The BSS-II consists of a towed sledge vehicle with a telescopic adjustable jetting lance and an optional chain cutter. The BSS-II is designed for simultaneous laying and burial operations and is capable of installing flexible products (e.g. cables, umbilicals, flexible pipe lines) ranging from 0 to 8 meters depth in jetting mode and 0 to 6 m in chaincutting mode.

The tool is based on the principle of fluidising the soil in front of the lance in combination with a depressor. For harder soils a chain cutter can be installed, ensuring correct installation depth of the product. Weather and wave conditions have minimal influence on the actual installation process as the tool is positioned stable on the seabed; independently of movements of the lay vessel. A dedicated launch and recovery frame (LARS) has also been designed to efficiently deploy and recover the BSS-II at sea. Both LARS and the BSS-II have been designed to DNV standards.

Supported products:	Flexible products Max. 270mm for 8 m burial depth Max. 380 mm for 6 m burial depth	Ground pressure:	13 kPa (without chain cutter) 20 kPa (with chain cutter)
Product MBR:	4.0m	Total installed power:	Dependant on burial depth and soil conditions Jetting: up to 1800 kW Cutting: up to 500 kW
Burial depths:	Hydraulically adjustable with 0-8m range	Pump performance:	1500-1800 m3/hr at 12 bar
Soils:	Sand (jetting) and clay (jetting or cutting)	Trenching speed:	Dependant on soil conditions; typical 4-5 m/min at full burial depth
Dimensions:	LxBxH = approx. 21.5 x 13.5 x 18.9m	Traction:	Towed vehicle
Weights in air:	Approx. 80 ton (without chain cutter) Approx. 100 ton (with chain cutter)	Operating waterdepth:	Minimum: 2.5 m Maximum: 30m

