



## DESCRIPTION

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.

## MAIN DATA

Supported products	Flexible products max. 270 mm for 8 m burial depth max. 380 mm for 6 m burial depth
Product MBR	4.0 m
Burial depths	Hydraulically adjustable with 0-8 m range
Soils	Sand (jetting) and clay (jetting or cutting)
Dimensions (l x w x h)	Approx. 21.5 x 13.5 x 18.9 m
Weights in air	Approx. 80 t (without chain cutter) Approx. 100 t (with chain cutter)

Ground pressure	13 kPa (without chain cutter) 20 kPa (with chain cutter)
Total installed power	Dependant on burial depth and soil conditions Jetting: up to 1,800 kW Cutting: up to 500 kW
Pump performance	1,500 -1,800 m <sup>3</sup> /hr at 12 bar
Trenching speed	Dependant on soil conditions typical 4-5 m/min at full burial depth
Traction	Towed vehicle
Operating waterdepth	Minimum 2.5 m Maximum 30 m

