

GENERAL

The Vertical Injector is the tool of choice when a cable installation project requires deep burial to protect the cable. The Vertical Injector is designed for simultaneous lay and burial operations of subsea HVAC and HVDC cables in shallow water. The operating principle of the tool is to use pressurized water to fluidize the soil while simultaneously laying the cable. The cable is guided to the required depth through a duct in the Vertical Injector. The tool is mounted to the cable installation vessel for accurate position and depth control.

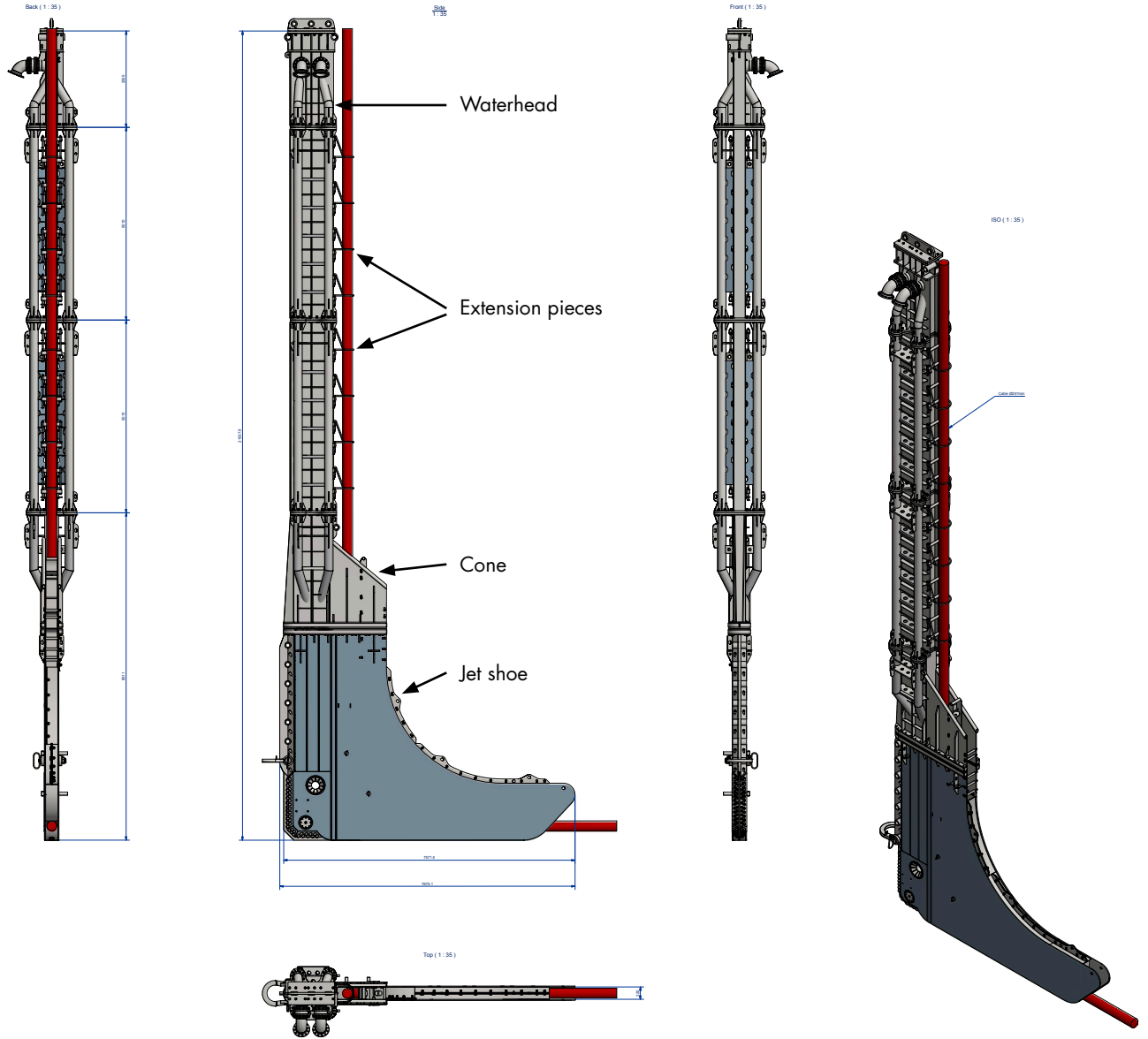
FEATURES

Can be equipped with grapnel hooks during the pre-lay jetting run

Operated from floating barge, ensuring a continuous trenching depth independent from seabed

MAIN DATA

Type of activities	Pre-lay jetting run (PLJR), Simultaneous lay and burial (SLB)
Trenching technique	Water pressure
Outside Width	350 mm
Cable Passage	320 mm (adaptable to cable dimensions)
Height (injector foot)	7.50 m
Max. working water depth	40.00 m by adding extensions
Max. depth of lowering	Up to 5.00 m (depending on soil properties)
Lay method	Suitable for both AC cables as well as bundled DC products.
Cable MBR	5.0 m
Max. approx. cable diameter	300 mm



GENERAL PLAN

