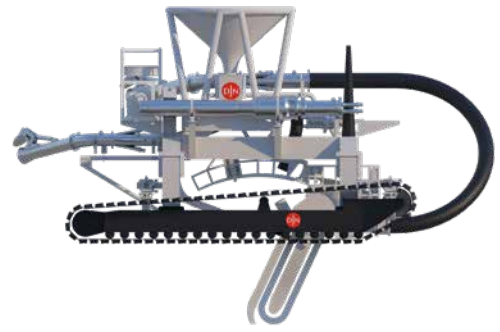




UTV1200

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Subsea trenching vehicle



TECHNICAL SPECIFICATIONS

Dimensions	9.5 m x 8.8 m x 5.7 m (LxWxH)
Weight in air	45 t in jetting mode 45 t in cutting mode
Vehicle power	900 kW (1,200 hp) total power 1 x 300 kW hydraulic power unit 2 x 300 kW direct drive jet pumps
Ground pressure	< 20 kPa
Tractive effort	20 t under good conditions
Mobility angles	up to 15° fore, aft and lateral
Maximum operating depth	500 m
Excursion distance from vessel	up to 1,500 m
Steering	Auto-pilot or manual via direct track control
Sensors	Up to 7 cameras Dual obstacle avoidance sonars TSS440 Provisions to add additional survey equipment
Launch & Recovery System	Dedicated 48 t A-frame Active Heave Compensated hoisting winch Twin power packs Long excursion umbilical winch

Maximum forward thrust	2.880 kg
Lateral thrust	1.680 kg

MECHANICAL TRENCHING MODE

Trenching depth	up to 1.6 m
Trenching speed	up to 400 m/hr, subject to soil conditions
Chain cutter power	150 kW
Soil strength	up to 400 kPa
Soil removal system	Dual venturi eductor, powered by the jetting pumps
Cable handling system	Twin cable manipulators Suited for up to 300 mm cable diameter Cable highway with 4 m minimum bending radius

JET TRENCHING MODE

Trenching depth	up to 3 m
Trenching speeds	up to 600 m/hr, subject to soil conditions
Total pump power	600kW (760 kW with optional backwash system)
Pump capacity	2 x 1,550 m ³ /hr at 5 bar
Soil strength	up to 100 kPa
Opening between jetting swords	up to 600 mm

OPTIONAL: ADDITIONAL BACKWASH SYSTEM IN JET TRENCHING MODE

Trench depth	Up to 3 m
Jetting swords	Opening between jetting swords is variable up to 600 mm. Deployment with parallel function for optimized backwash angle.
Pump power	160kW
Pump capacity	2 x 580m ³ /hr, up to 3.5 bar

