



PLOUGH M

OVERVIEW

Plough M's technology is the ultimate in safe, reliable and efficient trenching for all soils including clays and sands.

The plough can be optimised for the depth of burial required, ground conditions and operational preferences.

It offers a complete turnkey cable burial solution including tow winch, umbilical and LARS system.

KEY FEATURES

- › Maximum plough stability and minimum cable handling afforded by the unique multi-depth hinged chassis design
- › Minimal vessel fuel consumption due to low friction share design
- › Choose to further minimise vessel fuel consumption or maximise ploughing speed in a wide range of soils with jetting feature
- › 2m burial for maximum cable protection

GENERAL

Depth rating	Upto 2,000m
Weight in air	22.0Te
Submerged weight	19.0Te
Length	9.1m
Width	5.1m
Height	4.4m
Maximum continuous tow load	80Te

PERFORMANCE

Trench depth	Variable 0 to 2.0m
Maximum cable diameter	160mm
Maximum cable bend radius	1.5m
Maximum repeater diameter	380mm
Soft mud capacity	5kPa minimum

MECHANICAL

Chassis	High strength steel chassis
Wear parts	Replaceable wear-resistant steel
Other	Stainless steel fittings and housings

TRENCHING SYSTEM

Configuration Passive narrow parallel sided share with repeater burial flaps to temporarily widen trench

Jetting Up to 2 x 265kW as required

HYDRAULIC SYSTEM

Installed power 15kW

SUBSEA ELECTRONICS

Electronics One atmosphere pressure vessel

SUBSEA SURVEILLANCE

Comprehensive instrumentation and surveillance suite, typically comprising:

Cameras

Lamps

Pan & tilt

Sonar

POWER AND CONTROL

Power & control system Vessel integrated or housed in containers

Umbilical system Umbilical cable on a rendering winch

LARS

A-Frame handling system Wide-angle, 30Te SWL. Allows handling and towing of plough on a single wire

Tow winch HPU 64Te render, 35Te lift
Deck mounted

TYPICAL OPTIONS

Front jet tool For use in specific soil conditions

Aggressive share tip For operations in harder ground

Buoyed umbilical cable Subject to water depth