



Variable-depth 3.3m Fibre Optic Cable Plough

Royal IHC Variable-depth 3.3m Fibre Optic Cable Plough

The Royal IHC Variable-depth 3.3m Fibre Optic Cable Plough is a modular plough that can provide true 3.3m trench depths along with up to 600kW of jetting power.

The plough uses Royal IHC's proven raked share geometry with forecutters. The Royal IHC raked share design has improved stability in any soil conditions and improved trenching capability in stiff soils when compared with a 'Vertical Knife' Share.

This plough has been designed to handle Peak Tow loads of 80T at full 3.3m trench depth while weighing only 25T in air. This low weight means the plough will be compatible with many existing Launch and recovery systems.

Advantages

- excellent stability during ploughing
- the raked share with forecutters has been proven to excel in stiff soil conditions, with or without jetting.
- can be easily upgraded to add a range of jetting solutions
- jetting system and Umbilical designed to run cooler allowing the operator to use the full jetting performance of the plough even in the warmest of climates.

Specifications

Weight in air	22t (2.2m Variant) 25t (3.3m Variant)
Dimensions on deck:	
Length	9.2m
Width	5.1m
Height	5.6m
Water depth rating	2,000m
Max tow force	60t (sustained force in normal operation) 80t (peak)
Trenching speed	Up to 1,800m/hr
Trench depth	Standard Configuration: 0 to 2.2m (0° aft pitch) Share extension: Up to 3.3m.
Vertical tow angle	0-15° at max. tow force
Steering	±15°
Cable	Ø10-160mm
Cable joints / repeaters	Up to Ø160mm pass between share plates. Up to Ø380mm are passed above the share side plates.
Cable min. bend radius (MBR)	1.5m throughout cable passage.
Share jetting	150, 300 or 600kW options at nominal pressure 8 bar.
Customisation	Many customers have specific requirements for which we are able to supply optimal solutions upon request.

Track record

IHC's Variable-depth 3.3m Fibre Optic Cable Plough is the latest iteration of field proven ploughs from IHC's Submersible Technologies product portfolio. It combines both the latest technologies with over 20 years' experience and expertise of delivering dozens of cable plough systems, providing operators with powerful market leading performance.

Its modular nature means that upgrade options such as jetting assemblies and share extensions can be easily installed onto the plough in situ, either at the time of delivery or at a later date, in line with clients operational and CAPEX requirements.