

Sea-Plow VIII Cable Burial System



TRITON® P1500/P3000

Sea-Plow VIII



Perry Slingsby Plow

Trench Depth	Up to 3 meters
Pull Force	50,000 kg nominal
Size (l x b x h)	9470mm x 5100mm x 4700mm
Weight	20,000kg in air 18,000kg in water
Cable type	All telecom cable up to 150 mm, 1.5meters bend radius throughout
Repeaters	All telecom repeaters up to 380mm diameter
Depth Rating	2,500 MSW
Soil Types	Very soft clay to firm clay, all sands
Handling	By tow wire using lifting drawbar
Control System	PC based with diagnostic status

Towed Cable Burial System

Depth Rating 2500 MSW
 Jet-Assisted Technology Optional
 Burial Performance Up to 3.0
 meter Burial

Rudder Steering

Dimensions

Landing Length 9470mm
 Width 5100mm
 Landing Height 4700mm
 Weight in air 20,000kg
 Weight in water 18,000kg
 Operating depth 2500MSW

Control Van

Width 2440mm
 Length 6100mm
 Height 2590mm

Power Van

Width 2450mm
 Length 3050mm
 Height 2590mm

Umbilical Spooling Winch/HPU

Umbilical capacity 4500m
 Line pull 4550kg

Winch Dimensions

Width..... 2950mm
 Length..... 5380mm
 Height 5490mm
 Weight including umbilical 50,000kg

Launch System

Crane or A-Frame of convenience

Input Power Requirements

Prime power parameters 440 VAC /
 3ph / 60Hz
 Total system power 300HP
 Electric service input required 500 Amps

Trenching Performance

Trenching speed
 (with water-assisted jetter tool) 1.5 knots
 Trenching speed
 (without water-assisted jetter tool)..... 1.0 knots
 Trenching depth
 (bottom of share) 1,500mm /
 3,000mm
 Trench width 275mm

Trencher Propulsion System

Tow winch of opportunity
 Nominal drawbar pull 50,000kg
 Min. soil loading 5kPa

Cable Handling Specifications

Cable diameter 10-150 mm
 Repeater diameter Up to 380mm
 Min. bending radius through vehicle..... 1500mm

Control System

PC based with diagnostic status and video
 annotation

Sensor System

- Color and monochrome cameras with pan tilt
- Scanning sonar
- Altitude sonar
- Hydrophone
- Depth sensor
- Plow speed and distance traveled
- Product cable tension
- Product cable length
- Cable in share sensor
- Lift/Tow bar position
- Tow wire tension
- Tow wire angle
- Rudder position
- Share depth