



DATA SHEET

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KEY FEATURES

- Diverless operation.
- Adjustable skid for enhanced burial performance.
- Backfilling and coverage of product provided using backfill plough.
- Proven and accepted trenching methodology.

APP

ADVANCED PIPELINE PLOUGH

The Advanced Pipeline Plough (APP) has an extensive track record for the post-lay burial of large diameter pipelines and flowlines to specification in multiple soils using multi-pass ploughing.

The flexible heave compensated launch and recovery system allows operations in extreme environmental conditions. The APP has also completed extensive pre-cut burial worksopes to specification in addition to the lowering of decommissioned surface laid pipelines.

APP

PARTICULARS

Max. Operating Depth	1000m
Max. Product Diameter	Present configuration 800mm max product size with 20te max cradle capacity, 1.8 single pass. Upgradeable to 1200mm max product size with 50te max cradle capacity, 2.5m multipass (BOP)
Speed Range	up to 500m/hr
Tow Force	Design load 250te (onset yield at 350te)
Steering	Active power steering at an angle of 7° either side of straight ahead
Length	17.5m
Width	10.0m Operating Width
Height	8.5m

WEIGHT

In Air	140te
In Water	43.2te
Buoyancy	90te

VEHICLE POWER

Electric Motor	1000V, 37.5kW
Hydraulic Pumps	Constant displacement gear pumps (70 litres/min at 250 bar)

SOIL TYPE

Suitable for a range of soil types, including sands, vert soft to hard clays.

SURVEILLANCE EQUIPMENT

Obstacle Avoidance Sonar
x2 Trench Profile Sonars
Forward Landing Sonar
2 x Cameras on pan and tilt (CCD B&W) forward and aft
3 x Fixed Cameras (CCD B&W)
6 x Lights (LED)

CABLE SIZE & PRODUCT HANDLING

Fitted: Max. diameter 800mm, 20te capacity. Optional: 50te pipe capacity cradles and grabs fore and aft

BOULDER CLEARANCE

Mouldboards can be added to the plough for boulder clearance operations

