



CABLE BURIAL TRACTOR BT3200



ENGINEERING
EXCELLENCE
UNDERWATER

CABLE BURIAL TRACTOR BT3200

The BT3200 uses a patented trenching system to create an open vee trench for seabed protection and stabilization of large diameter pipelines in hard ground. With triple chain cutters and four dredge pumps, BT3200 has the power to produce trenches down to 2m in rock up to 40MPa compressive strength and still operate in soft seabeds using a buoyancy system which reduces the submerged weight to 20 tonnes. The launch of BT3200 further enhances SMDs reputation as the world leaders in bespoke subsea trenching equipment.

FEATURES

- 2300kW of installed power
- 2m V-trench for rigid pipes
- 3.5m slot trench for flexibles
- 2 x 65te pipe handling
- 1.5m maximum pipe diameter
- 1.0m maximum flexible diameter
- 500m maximum water depth
- Robust proven buoyancy system
- SMD DVECS™ control system
- Containerised control and power system
- Jetting and dredge system for spoil clearance

SMD CUSTOMISATION SERVICE

SMD understand that every customer is different and therefore have individual needs from their systems. In order to meet your specific requirements SMD can customise our vehicles using our range of standard components to suit your preference and performance requirements.

CONTACT US

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CABLE BURIAL TRACTOR BT3200

SYSTEM SPECIFICATIONS

GENERAL

Depth rating	Up to 500m
Dimensions	
Length (including tools)	225m
Width	130m
Height	96m
Weight in air	2000te
Submerged weight (minimum with buoyancy)	220te

PERFORMANCE

Trench depth	20m
Soil types	Sands / clays / rock: from 12kPa shear strength to 40MPa UCS
Soft ground capability	30kPa (with 100te pipe load)
Installed power	2300kW total 4 x 400kW HPUs 2 x 350kW water pumps

MECHANICAL

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

TRENCHING SYSTEM

Configuration	Triple hydraulic drive central chain cutters and fwd and rear dredge system
Trench Profile	2m vert depth, 45 deg sides optional depths to 15m and 1m
Chain Power:	
Chain 1	250kW
Chain 2	400kW
Chain 3	400kW
Chain Width	800mm
Chain Speed	Up to 32m/s
Chain Type	Heavy duty interleaved chain configuration short and long carbide tips
Dredge Configuration	Forward dredge pumps to clear spoil in front of chains and rear dredge pumps clear spoil from trench
Dredge Power	4 x 80kW heavy duty dredge pumps
Jetting Configuration	Water pumps supply chain cleaning jets, dredge pipe back flushing/ jetting
Jetting Power	2 x 350kW direct drive supply 2400m ³ /hr @ 7 bar

BUOYANCY SYSTEM

Configuration	Four steel fabricated, open bottomed, removable tanks Air fed from surface
Net buoyancy	140te combined (2 x 26te and 2 x 44te)
Tank weight in air	6te each
Valves	Hydraulically actuated vent valves

PIPE HANDLING

Configuration	Front and rear triple roller cradles with pipe lifters for diverless post-lay loading and unloading rear cradles allow lateral travel
Maximum pipe diameter	1500mm
Pipe cradle load (each)	65te maximum
Pipe lifter load (each)	65te maximum
Pipe lifter travel	-800mm to 2200mm

PIPE TRACKING PACKAGE

Pipe detection and survey:	
Pulse Induction	TSS440
TSS 440 deployment	Hydraulically actuated frame Adjustable 05 to 18m above seabed

HYDRAULIC SYSTEM

Cylinders	Smart heavy duty marine type
Valves	Directional and counterbalance
Valve packs	Stainless steel, oil compensated
Manifolds, pipes and fittings	Stainless steel
Hoses	Multi-spiral flexible hoses
ROV intervention	Hot stab capability

SUBSEA SURVEILLANCE

Cameras	Up to 12
Lamps	Up to 24 x 250W dimmable subsea lamps
Pan and tilt	Up to 8 x robust P&T units
OA sonar	Tritech / Kongsberg
Profiling sonar	Tritech / Kongsberg / Multibeam
Acoustic positioning	to suit vessel
Gyro	Fibre Optic
Echosounder (optional)	Kongsberg

OTHER EQUIPMENT

Docking system	200te SWL sea state 5 Docking frame and bullet
Control system	20ft ISO A60 container
Power system	3 off 20ft ISO A60 containers
Umbilical system	750m umbilical and 6te winch
Winch HPU	75kW deck mounted

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