

GROUND TEST

TECHNICAL SPECIFICATIONS TERRIER



OVERVIEW

The Terrier is a Dando Drilling International Terrier sampling/drilling rig mounted on a purpose built rubber-tracked crawler. This extremely compact rig is capable of carrying out shallow geotechnical investigations with very difficult access. It uses two detachable masts to carry out a wide range of testing and sampling.

CAPABILITIES

Drilling

- Solid flight augering to 9 m
- 70mm/90mm Ø wash boring to 20 m
- NMLC coring to 6 m (1 m barrel)

Sampling - hammer mast

- Windowless sampling to 10 m
- 55 mm, 65 mm, 87 mm Ø PVC liner
- 66 mm, 76 mm, 101 mm Ø sample tube
- 74 mm, 84 mm, 113 mm Ø casing
- Well installation

In-situ testing - rotary mast

- Shear vane
- Undisturbed (U50)

In-situ testing - hammer mast

- Standard penetration (SPT)
- Super heavy dynamic probe (DPSH) to 22 m

OTHER FEATURES

- Narrow width - can fit through standard door
- Low height
- Can drill on up to 30° slopes with tilt mechanism
- Mast assemblies can be wheeled into position and operated separate to carrier

SAFETY

- Remote control tramming
- Safety cage on rotary mast

- Control panel and left mounted emergency stop
- Spill kit, first aid kit and fire extinguisher
- Guarded automatic SPT hammer

BENEFITS

- High quality continuous sampling in a wide range of subsurface conditions, including granular filling and collapsing sands (above water table)
- Extremely compact rig well suited to geotechnical investigations where access for man portable equipment usually only available
- Deep probing in cobbly soils with DPSH
- Over-water investigation using DPSH and suitable work boat



RIG SUMMARY

DIMENSIONS

Width:	0.8 m 1.2 m (jacks out)
Length, mast up:	2.8 m
Length, mast down:	2.7 m
Weight:	1.0 t
Height, mast setup:	2.2 m
Height, working:	3.6 m (rotary) 2.8 m (hammer)
Height, mast down:	1.5 m
Work area length:	4.0 m

RIG SPECIFICATIONS

Engine:	2 cyl Lombardini
Rotary drive:	Dando 2 sp 70 rpm + 360 rpm
Winch lines:	N/A
Pull down:	Up to 300 kg
Pull back:	3000 kg
Head stroke:	1.6 m
Mast dump stroke:	N/A
Clamp:	Manual (hand)
Breakout spanner:	Stilson (hand)
Jack legs:	Two (hand)

CARRIER TRUCK SPECIFICATIONS

Make/Model:	Messersi
Wheels:	Rubber track

SUPPORT TRUCK SPECIFICATIONS

Make/Model:	Toyota/Hilux 4x4
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