



THE GEOTECHNICAL P45 SLOPE-CLIMBING RIG

The Geotechnical 'P45' soil-sampling rig is a unique track mounted windowless sampling unit utilizing the Terrier soil sampling mast on slopes of up to 45 degrees.

In-situ testing:

SPT's in general accordance to BS EN ISO 22476-3

Dynamic probing



The 'P45' has proven itself after a year of intensive trials on both Railway and Highway cuttings and embankments. The rig is usually operated by a crew of two, and is commissioned on a daily basis.

Applications:

Safely undertake boreholes on previously inaccessible slopes.

Borehole formation of up to 15.00m.

Casing facility of up to 8.00m.

PTS trained crews for work on Network Rail Infrastructure.

Sampling: Continuous dynamic sampling up to 114mm diameter, retained and sealed in a semi-rigid plastic liner

Undisturbed samples can be taken in 70mm and 38mm



Instrumentation:

Installation of 19mm and 50mm diameter standpipes, for groundwater or gas monitoring

Installation of 68mm OD biaxial inclinometer tubing

Dimensions/Equipment:

Tracking Width: 1.50m

Operational length: 2.60m

Operational height: 2.90m

Weight: 2600Kg

Remote Multi-Channel Radio Control for safe operation

4-tonne hydraulic winch with 30m cable

For further details please contact: Emma Lowe emma.lowe@geoeng.co.uk

Or visit our website www.geoeng.co.uk