

Compact-size soil investigation rig for geotechnical and environmental drillings

- ground water pipes
- small sampling
- weight sounding, SPT
- limited exploratory drilling
- vane test



Dimensions:

- weight: 1300 - 1800 kg without rods
- length: 2600 mm, transport condition
- width: 1300 mm
- height: 1500 mm, transport condition
- ground clearance: 280 mm

Undercarriage and power pack:

- steel reinforced, rubber- fabric tracks, hydraulic tightening, width 300
- 4 wheels, 2 driving motors-brakes, max travelling speed 4 km/h
- fuel and hydraulic tanks, 50 and 50 lit.
- diesel engine: 20 - 25 kW to power one hydraulic pumps
- rod magazines, working lights, fire protection

Mast:

- feed: hydraulic cylinder
- stroke: 1400 mm
- pull down force: 40 kN
- pull up force: 60 kN
- mast displacement: 600 mm
- clamp: single for rods and pipes
- mast tilting: sideways +/-10 dec., back and front 10 dec. and 80 dec.

Rotary heads:

- geotechnical: torque and speed: 1500 Nm, speed range 0-100 rpm
- hammer: Lifton LH25 or similar

Main standard and optional items:

- chuck for 22-32 mm rods
- SPT unit, rods, bits, pipes
- el. winch, pulling force 36 kN
- radio control for driving, drilling
- integrated drilling and driving command panel
- data logger with graphics and key board
- GPS for rig precise locations
- locked tool box
- sensors, detectors, recorders for all investigations