



## DRILLING RIG SPECIFICATIONS ENS-250 – Morooka Mounted

The drill rig is designed and built in-house by Enviros Group Middle East, taking into account the demanding requirements in geotechnical investigation services and investigation boreholes up to 250 meter depth.

The drilling rig is an all-hydraulic rotary, top-head drive, with full-control of rotation torque, rotation speed, thrust and pull-back for high quality soil/sampling, rock coring and in-situ testing.

The rig is mounted on a Morooka-rubber track with a wide rubber track designed to tackle a variety of terrain site conditions associated with geotechnical investigation projects.

### Depth Capabilities

Down-hole drilling Gear (Wireline system)	Diameters (mm) Borehole/Core	Depth Capability (m) (maximum, and subject to subsurface conditions)
NQ	75 / 48	250
HQ	76 / 48	200
PQ	124 / 85	150
Geobor S	150 / 102	100

### Transportation Dimensions and Loads

Element	Value
Weight	9,000 kg
Length	6.7 m
Width	2.8 m
Height	3.0 m
Track Width	700 mm (each)

### Mast Specifications

Element	Specification
Mast height from top of Clamp (with mast extension and without mast head)	6,700 mm
Mast height from top of Clamp (without mast extension)	4,500 mm

### Wire-Line Hoist Specifications

Element	Specification
Maximum Capacity	400 kg
Cable Diameter	6 mm

### Water Pump Specifications

Element	Specification
Type	Piston
Maximum Continuous Pressure	30 Bar
Maximum Continuous Flow	175 liter/min

### Break Clamp Specifications

Element	Specification
Maximum Push Force	100 kN (50 each cylinder)
Maximum Breaking Force	216 kN (108 each cylinder)
Maximum Clamping Diameter	220 mm
Minimum Clamping Diameter	36 mm

### Accessories

Element	Specification
Mast Extension	Folding type (while transport)
Extension length	1,150 mm

