

GROUND TEST

TECHNICAL SPECIFICATIONS SCOUT 2



OVERVIEW

Scout 2 is a Hydrapower Scout rig mounted on a two wheel drive Hino FC carrier truck. This manoeuvrable and compact rig is capable of carrying out a wide range of testing and sampling in moderately deep geotechnical investigations.

CAPABILITIES

Drilling

- Solid flight augering to 15 m
- Hollow flight augering to 16 m
- 100mm Ø wash boring to 70 m
- ODEX (HW size) to 15 m
- NMLC coring to 60 m
- NQ wireline coring to 150 m
- HQ wireline coring to 100 m

Sampling

- Undisturbed (U50, U63, U75)
- Piston
- Well installation

In-situ testing

- Standard penetration (SPT)
- Packer (Lugeon)
- Shear vane
- Pressuremeter
- Cone penetration (CPT) to 3.5 t thrust

OTHER FEATURES

- Very compact truck mounted rig
- Silenced power pack for quiet operation
- Mast can be split in transport position, allowing access to 2.8 m height with removal of exhaust pipe
- Mast can remain split for drilling, allowing rig to work at 5.9 m height
- Locking rear differential
- Hydraulic casing clamp/breakout

SAFETY

- Safety cage with rotation isolation
- Dual pole battery isolation for rig and carrier truck
- Control panel mounted emergency stop
- Reverse alarm + reverse camera
- Spill kit, first aid kit and fire extinguisher

BENEFITS

- The compact size of Scout 2 makes it well suited to geotechnical investigations on tight sites
- Efficient mobilisation in metropolitan areas

RIG SUMMARY

DIMENSIONS

| | |
|---------------------|----------------------|
| Width: | 2.4 m (excl mirrors) |
| Length, mast up: | 7.2 m |
| Length, mast down: | 8.2 m |
| Weight: | 7.5 t |
| Height, mast up: | 8.9 m |
| Height, mast split: | 5.9 m |
| Height, mast down: | 3.1 m |
| Work area length: | 12.9 m |

RIG SPECIFICATIONS

| | |
|-------------------|---------------------------------------|
| Engine: | 4 cyl Hatz |
| Rotary drive: | Hydrapower 2 sp 150 rpm + 700 rpm |
| Winch lines: | 1 main @ 4000 kg 3 w/line @ 700 kg |
| Pull down: | 3500 kg |
| Pull back: | 5500 kg |
| Head stroke: | 4.5 m |
| Mast dump stroke: | N/A |
| Casing clamp: | Fixed, hydraulic |
| Breakout spanner: | Hydraulic Stilson |
| Jack legs: | Four (0.9 m stroke) |

CARRIER TRUCK SPECIFICATIONS

| | |
|-------------|--------------------|
| Make/Model: | Hino/FB 4x2 |
| Wheels: | Steel, tubed tyres |

SUPPORT TRUCK SPECIFICATIONS

| | |
|-------------|-----------------------|
| Make/Model: | Isuzu/NPR200 4x |
| Wheels: | Steel, tubeless tyres |

