



a.p. van den berg
The CPT factory

Mini CPT Crawler 100 kN-LW

as light & compact as possible



features

- width of 780 mm allows doorway access
- 10 ton pushing force
- dismountable CPT unit, ideal for confined spaces
- easy to use, move and transport
- variety in useful options

creating tools that move your business

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introduction

Many CPT companies own large CPT vehicles, but these are not always suitable for the job. In confined spaces or locations with restricted access, fully ballasted and/or large rigs can not be deployed. Think of building pits, dikes, backyards and inside buildings. When the job concerns weaker soil or shallower penetration requirements, often 10 ton pushing force is sufficient. A compact, manoeuvrable and light, but at the same time robust CPT Crawler is then the answer. The Mini CPT Crawler is developed to meet these requirements.

description

The Mini CPT Crawler with the well proven single cylinder HYSON 100 kN penetrometer, mounted on a undercarriage with rubber tracks, is designed to be as light and compact as possible. At the same time the Mini CPT Crawler is robust, as high quality materials are applied. With a weight well under 1600 kilo and a width of 780 mm the Mini CPT Crawler fits trough a doorway and can be transported in a mini van. All these features ensure that the crawler can be easily used, moved and transported.

With a pushing force of 10 tons the HYSON 100 kN-LW is generally used for performing Cone Penetration Tests to depths ranging between 15 to 20 meters. Of course the achievable depth depends on the soil conditions and reaction force. To provide the required reaction force for testing, 2 soil anchors are used. A hinged anchoring system is provided. The pusher is dismountable and can be used as a stand-alone unit next to the crawler, for example when a CPT in a basement or close to a wall is required. We offer the possibility to use an electrical power pack, to reduce noise and exhaust fumes. This can be important e.g. inside buildings.

Even though the crawler is compact, there is still enough space for storage of cones, rods, friction reducers and wrenches. The laptop and data logger are stored in a weather protected cabinet.



Standard technical specifications	
Total weight	approx. 1550 kg
Total dimensions (LxWxH)	2442 x 780 x 1700 mm
Track characteristics	fixed, rubber
Track dimensions (LxWxH)	1435 x 230 x 375 mm
Engine power	17.2 kW / 23 BHP
Driving speed	approx. 3 km per hour
Anchoring	2500 N/M, two anchor points
Inverter	350 VA

variety in useful options

The design facilitates easy implementation of additional options, such as:

- remote control for operating the crawler from safe distance
- track widening system for more stability during movement (from 780 mm to 1160 mm)
- extended levelling jacks to give maximum stability during CPT
- separate electrical power pack to reduce noise and exhaust fumes
- towing point
- lifting hooks to handle the CPT Crawler by crane



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