



a.p. van den berg  
*The CPT factory*

# CPT Crawler

crawler vehicle with HYSON 200 kN static cone penetrometer



## features

- improved manoeuvrability in rough or soft terrain
- weight ranges between 15 & 21 tons
- design can also be based on a third party crawler chassis
- convenient work space with extendable roof and flat floor surface
- various transport options possible

creating tools that move your business

# CPT Crawler, crawler vehicle with HYSON 200 kN static cone penetrometer



## introduction

A wide range of crawler types is available to comply with the many requirements and conditions that CPT companies face. The 15 to 21 tons CPT Crawler is one of these solutions. This crawler with a clever design provides quick and easy operation and reliability with the

advantage of tracks for better manoeuvrability in rough or soft terrain. Various transport options can be applied, including transport on a flatbed or lowbed truck.

## description crawler

The CPT Crawler design is based on the A.P. van den Berg chassis that is optimized for installation of the CPT cabin. Jacking cylinders are installed for raising the CPT Crawler up to 0,5 m for levelling before testing. As an option longer jacking cylinders (up to 1,5 m) that can move sideways, are available for quick loading on a truck or trailer. Manoeuvring the CPT Crawler is performed from a safe distance with a remote control. A.P. van den Berg can also design and build a CPT Crawler on the basis of a third party crawler chassis.

## spacious and convenient work cabin

A spacious and convenient CPT work cabin is installed on the crawler chassis. The power pack that generates the hydraulic power, is located in a separate compartment with extra insulation for noise reduction. The cabins are made of plywood laminates and are designed for quick and easy CPT operations. Features such as work benches, a desk, chairs, cabinets, equipment storage, electric power, internet, heating, remote support, air conditioning, fresh water system, GPS and more can be integrated as required.

There is legislation regarding the maximum allowed height of a vehicle during transport. CPT Crawlers are often transported on flatbed trucks limiting the design height of the crawler. To assure sufficient working height, the roof of the A.P. van den Berg CPT cabin is extendable.

During transport the roof is in its lowest position in line with the legislation. The roof is extended with 550 mm during CPT operations to create sufficient headroom. Depending road regulations and transport options A.P. van den Berg can also still offer an undivided cabin.

## HYSON static cone penetrometer

A.P. van den Berg's well-proven twin-cylinder H-form HYSON 200 kN penetrometer is installed in the CPT Crawler. The piston rods are hardened, making them practically, if not entirely, maintenance free. To ease CPT operations and to facilitate an easy switch between different tube sizes a hydraulic push/pull clamp can be added to the HYSON 200 kN. The penetrometer is electronically operated via the touch screen (HMI) that is installed in the control console on the side or manually with a joystick.

### Standard specifications

Weight	from 15 to 21 ton
Height	retracted position 2.7 m extended position 3.25 m
Total dimensions (LxW)	5,85 x 2,50 m
Track characteristics	D4HD
Track dimensions (LxW)	3560 x 700 mm
Max. speed	up to 5 km/hr
Ground pressure	42 kPa
Engine	Volvo TAD571 129 kW EU stage 4 / EPA Tier 4 final
Pushing capacity HYSON	200 kN



## A.P. van den Berg Machinefabriek

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