


# *Dynamic Cone Penetrometer-DCP*

## Specs of DCP

The hammer weighs 8 kilograms, fall distance is 575 mm and the tip/cone is 60°.

The DCP Dynamic Cone Penetrometer tester unit parts.

<b>DCP</b>	
1180mm Ruler	
Top Rod	
Bottom Rod	
1x 8kg Hammer	
Guide plate	

## What a DCP – Dynamic Cone Penetrometer used for

- The Dynamic Cone Penetrometer is very useful for the testing of soil compaction and testing of soil strength attributes of penetrability.
- The DCP test is used on-site for soil density tests; no samples need to be taken to a laboratory
- The Dynamic Cone Penetrometer finds its application in geotechnical investigations to obtain information on the physical properties of soil and rock around a site to design earthworks and foundations for proposed structures and for repair of distress to earthworks and structures caused by subsurface conditions.
- The DCP test is used to measure the resistivity of soils or backfill materials required for underground transmission lines, oil and gas pipelines.
- The DCP is an in-situ tester to determine CBR of soil; it is a yardstick for the cell-tower site preparation as well as for trenching and laying of fiber optical cables.

## The Dynamic Cone Penetrometer test finds use in a large variety of commercial applications, such as:

- Cell Tower Site Preparation and Construction – DCP is used for soil compaction testing.
- Trenching, Laying & Installation of Fiber Optical Cables – DCP is used for in situ density tests.
- Cable Trenching, Pipe-Laying – DCP is used in Quality Control of soil compaction.
- Trench Reinstatement – Use of DCP to control compaction of granular fill.

**Made in South Africa!**

