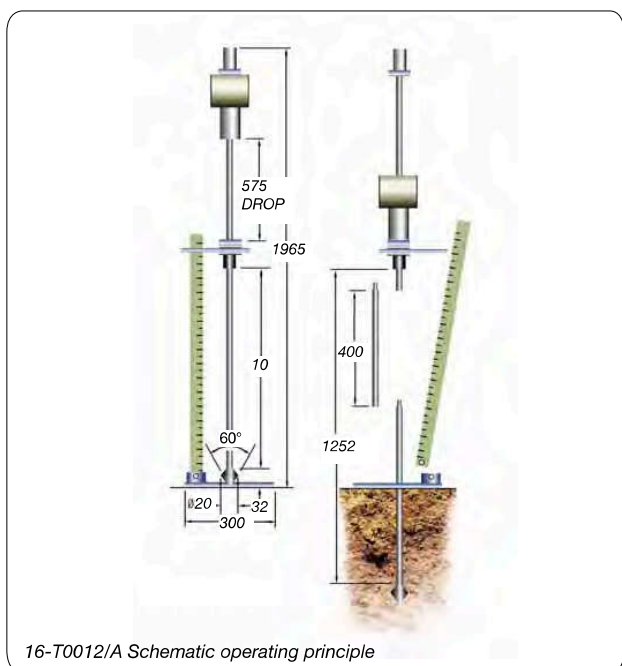


DYNAMIC CONE PENETROMETER

The TRL DCP (Dynamic Cone Penetrometer) is an instrument designed for the rapid insitu measurement of the structural properties of existing road pavements constructed with unbound materials. Continuous measurements can be made down to a depth of approximately 850 mm or when extension shafts are used to a recommended maximum depth of 2 m. Where pavement layers have different strengths the boundaries can be identified and the thickness of the layers determined. Correlation's have been established in earlier work (Van Vuuren 1969, Kleyn and Van Heerden 1983, Smith and Pratt 1983) between measurements with the DCP and CBR (California Bearing Ratio) so that results can be interpreted and compared with CBR specifications for pavement design. A typical test takes only a few minutes and therefore the instrument provides a very efficient method of obtaining information that

STANDARD: ASTM D 6951-03

16-T0012/C Dynamic Cone Penetrometer



16-T0012/A Schematic operating principle

FEATURES:

- Portable, hand-operated equipment.
- The TRL DCP is an instrument designed for the rapid insitu measurement of the structural properties of existing road pavements constructed with unbound materials.
- A typical test takes only a few minutes and therefore the instrument provides a very efficient method of obtaining information that would normally require the digging of test-pits.
- The results can be interpreted and compared with CBR specifications for pavement design
- One year warrantee against any manufacturing defects.

COMPRISES:

16-T0012/C1	Sliding hammer (steel made) weighing 8 kg
16-T0012/C2	Impact anvil driving rod and clip, falling 575 mm
16-T0012/C3	Steel rod, diameter 16 mm, up to a depth of 800 mm below the surface
16-T0012/C4	N° 3 threaded end cones in tempered steel, 20 mm diameter, 60° cone angle
16-T0012/C5	Bearing plate and measuring rod with adjustable scale (graduated in mm)
16-T0012/C6	Aluminum alloy carrying case
Dimensions:	1080x310x150mm
Weight:	22kgs

ACCESSORIES AND SPARE PARTS: (need to be ordered seperately)

16-T0012/A7	Extension rods: 400 mm, dia. 16mm
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