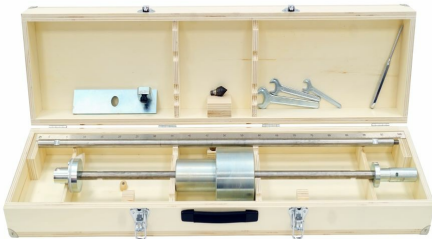


## DATA SHEET

# DCP - Dynamic Cone Penetrometer



## General description

This apparatus is used for the rapid in-situ 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 and rods are used (available as accessories), 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. Correlations have been established in earlier work (Van Vuuren, Klein and Van Herden, Smith and Pratt) between the Dynamic Cone Penetrometer (DCP) and California Bearing Ratio (CBR) so that results can be interpreted and compared with CBR specifications.

## Standards

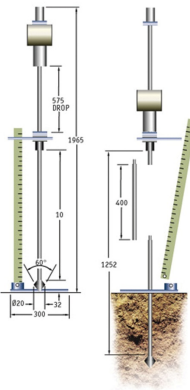
- ASTM D6951

## Specifications

Dynamic cone penetrometer 16-T0012/D includes:

- 8 kg dropping weight with 575 mm drop
- 2 penetration tip 60° cone, 20 mm dia.
- drive rod 1 meter long
- vertical scale
- wrench and carrying case. All contained in a carrying case.
- Case dimensions: 1200x350x200 mm approx.
- Weight approx.: 30 kg

## DATA SHEET



16-T0012/D Schematic operating principle

## Products

### 16-T0012/D

Dynamic cone penetrometer complete with:

- 8 kg dropping weight with 575 mm drop
- 2 penetration tips 60° cone, 20 mm dia.
- drive rod 1 meter long
- vertical scale
- wrenche and carrying case

## Accessories and consumables

### 16-T0012/1

Spare 60° cone

### 16-T0012/1D

Disposable 60° Conical point (Pack of 10) for T0012/D

### 16-T0012/1DA

Adaptor for disposable cone T0012/1D

### 16-T0012/2D

Extension rod 400 mm for 16-T0012/D