

## DIGITAL PLATE LOAD TEST SET

Code : T063



- Used to determine the bearing capacity of soil layers in road constructions, foundations, highways, airport and subgrades and sub-layers of soil in place by means of field loading tests.
- The bearing capacity of a soil is not simply a soil strength parameter, but it also depends on the magnitude and distribution of the load, dimension, and geometry of the loading plate and depth of embedment. This bearing capacity can be used in soil investigations and for the design of foundations.
- The method gives information of the vertical deformation and strength characteristics of soil in situ by assessing the force and amount of penetration with time when the plate is to penetrate the soil.

### **STANDARDS**

ASTM D 1194 • ASTM D 1195 • ASTM D 1196 • BS 1377-9

### **TECHNICAL SPECIFICATIONS**

Code	T-063/D/100	T-063/D/250	T-063/D/500
Capacity	100 kN	250 kN	500 kN

Digital Load Indicator

Dial Indicator + Holder	30 mm / 0.01 mm (x3)	30 mm / 0.01 mm (x3)	30 mm / 0.01 mm (x3)
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Bearing Plate (Ø 300 mm)

Bearing Plate (Ø 450 mm)			
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Bearing Plate (Ø 600 mm)

Bearing Plate (Ø 760 mm)			
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## **SET**

- Hydraulic Jack Assembly
  - Having sufficient capacity to provide and maintain the maximum estimated load for the specific soil conditions
- Bearing Plates
  - Circular steel bearing plates, not less than 1 in. (25 mm) in thickness and varying in diameter from 300 mm to 760 mm
- Digital Load Indicator
  - Battery operated digital measuring system
- Dial Indicators
  - 30 / 0.01 mm Dial Gauges (3 ea) to measure the penetration
- Datum Bar
  - The deformation measurements are be made to the required accuracy, independently of the loading column and from a light and a rigid datum bar independent of the other components of the test apparatus, where 3 dial gauges are used to measure the amount of penetration.

## **ORDERING INFORMATION**

Item	Code
PLATE LOAD TEST SET - 100 kN	T 063 H10X D
PLATE LOAD TEST SET - 250 kN	T 063 H25X D
PLATE LOAD TEST SET - 500 kN	T 063 H50X D
DATUM BAR for PLATE LOAD TEST	T 063 P001 H
DIAL HOLDER for PLATE LOAD TEST	T 063 P002 H
PLATE - Ø 300 mm	T 063 P003 H
PLATE - Ø 450 mm	T 063 P004 H
PLATE - Ø 600 mm	T 063 P005 H
PLATE - Ø 760 mm	T 063 P006 H