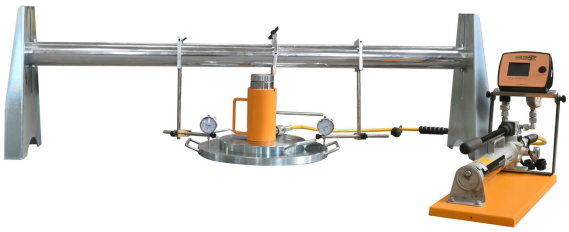
SOIL > BEARING CAPACITY

DIGITAL PLATE LOAD TEST SET

Code : T063



- The Digital Plate Load Test Set is used to determine the bearing capacity and deformation characteristics of soil layers in situ, essential for evaluating subgrade strength in road constructions, foundations, highways, airports, and other infrastructure projects.
- By applying incremental static loads to a circular steel plate and measuring the corresponding settlements, the system provides critical data for calculating the modulus of subgrade reaction and assessing soil stiffness under field conditions.
- The apparatus includes a hydraulic jack assembly capable of delivering and maintaining the required load, ensuring accurate simulation of field loading conditions.
- A battery-operated digital load indicator offers precise measurement and real-time display of applied loads, enhancing data accuracy and test efficiency.
- Three high-precision dial indicators, each with a range of 30 mm and a resolution of 0.01 mm, are mounted on a rigid datum bar to independently measure plate settlements, ensuring reliable deformation readings unaffected by jack movements.

- The set includes circular steel bearing plates with diameters ranging from 300 mm to 760 mm, all with a thickness of 25 mm, accommodating various test standards and site conditions.
- The modular design allows for easy assembly and disassembly, facilitating transportation and setup in diverse field environments.

STANDARDS

ASTM D1194 • ASTM D1195 • ASTM D1196 • BS 1377-9

TECHNICAL SPECIFICATIONS

- **Available Capacities:**
  - T063H10XD: Capacity 100 kN
  - T063H25XD: Capacity 250 kN
  - T063H50XD: Capacity 500 kN
- **Load Measurement:**
  - Digital Load Indicator, real-time load display
  - Battery-operated
  - Unit Selection (kN, N, kgf, lbf)
- **Settlement Measurement:**
  - Dial Indicators: 30 mm range, 0.01 mm resolution (3 units)
  - Datum Bar: Rigid, independent of loading column
- **Bearing Plates:**
  - Diameters: 300 mm, 450 mm, 600 mm, 760 mm (See ***Available Models*** for set configuration)
  - Thickness: 25 mm
- **Hydraulic Jack Assembly:**
  - Manual Pump

EQUIPPED WITH

- Hydraulic Jack Assembly
- Touch Screen Load Indicator with Unit Selection
- Datum Bar
- Dial Indicators (3 units)
- Dial Indicator Holders (3 units)

AVAILABLE MODELS

Code	T063H10XD	T063H25XD	T063H50XD
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)
Bearing Plate (Ø 300 mm)	✓	X	X
Bearing Plate (Ø 450 mm)	✓	✓	X
Bearing Plate (Ø 600 mm)	X	✓	✓
Bearing Plate (Ø 760 mm)	X	X	✓

ORDERING INFORMATION

Item Name	Item Code
PLATE LOAD TEST SET - 100 kN	T063H10XD
PLATE LOAD TEST SET - 250 kN	T063H25XD
PLATE LOAD TEST SET - 500 kN	T063H50XD
DATUM BAR for PLATE LOAD TEST	T063P001H

DIAL HOLDER for PLATE LOAD TEST	T063P002H
PLATE - Ø 300 mm	T063P003H
PLATE - Ø 450 mm	T063P004H
PLATE - Ø 600 mm	T063P005H
PLATE - Ø 760 mm	T063P006H
SPARE LOAD INDICATOR for T063	T063P007H
SPARE PRESSURE SENSOR for T063	T063P008H
HYDRAULIC JACK and PISTON (100 kN) for T063	T063P009H
HYDRAULIC JACK and PISTON (250 kN) for T063	T063P010H
HYDRAULIC JACK and PISTON (500 kN) for T063	T063P011H