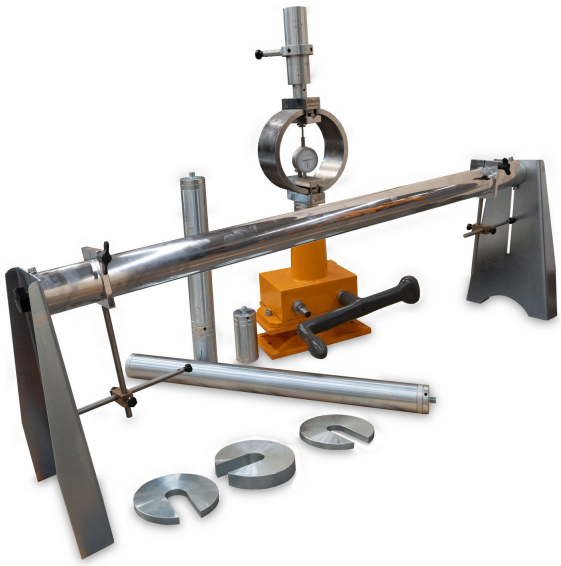
SOIL > CALIFORNIA BEARING RATIO

FIELD CBR SET

Code : T002



- The Field CBR Set is used for in-situ evaluation of the California Bearing Ratio (CBR), a critical parameter for assessing the mechanical strength of road subgrades and base layers.
- Utilizing a mechanical jack with a two-speed gearbox, the apparatus applies controlled loads to a penetration piston, enabling accurate measurement of soil resistance under field conditions.
- A high-precision load ring with a capacity of 50 kN ensures reliable force measurement, while dual dial indicators capture penetration depth with fine resolution, facilitating precise data collection.
- The inclusion of extension rods and surcharge weights allows for testing at various depths and simulates overburden pressures, enhancing the versatility of the testing procedure.
- Designed for portability and ease of assembly, the Field CBR Set is ideal for on-site testing, providing immediate insights into soil bearing capacity without the need for laboratory facilities.
- The device can be easily converted into a laboratory testing setup by installing it into a CBR conversion frame, making it a versatile solution for both field and lab applications.

STANDARDS

ASTM D4429 • ASTM D1883 • EN 13286-47 • AASHTO T193 • BS 1377-9 • BS 1377-2

TECHNICAL SPECIFICATIONS

- Load Ring Capacity: 50 kN
- Mechanical Jack: Two-speed operation
- Penetration Piston: Standard CBR Piston
- Dial Indicators: 25 mm / 0.01 mm x 2 units for penetration measurement
- Dial Holder: Included
- Extension Rods: Provided for depth adjustment (2 x 100 mm , 1 x 300 mm , 1 x 600 mm)
- Surcharge Weights: Included for simulating overburden pressure
    - 10 lb (4.54 kg) x2
    - 20 lb (9.08 kg) x1

ORDERING INFORMATION

Item	Code
FIELD CBR SET	T002L05XH
CONVERSION FRAME for T002	T002P001H