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## **CALIFORNIA BEARING RATIO TEST (FIELD TYPE)**

### **AZA0914**

The AZA0914 California Bearing Ratio (CBR) Test Apparatus – Field Type from Azalab is a rugged, portable system designed for the direct in-situ determination of CBR values of subgrade and base course soils.

Unlike laboratory testing, which involves sampling, transport, and specimen preparation, the AZA0914 enables rapid, on-site evaluation of soil bearing capacity, providing realistic and immediate results under actual field conditions. This makes it indispensable for road, highway, and airfield construction projects, where soil variability demands quick and reliable engineering decisions.

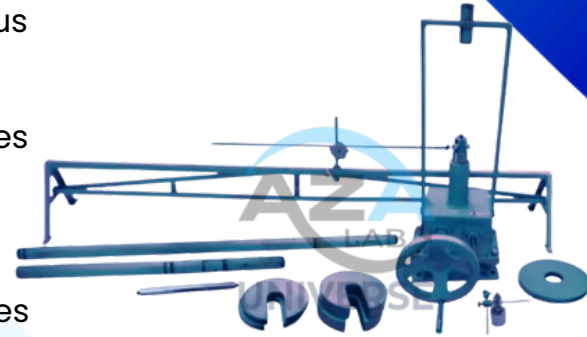
#### **Key Features**

##### Portable Loading System

- Robust, field-ready loading frame
- Designed for stability under site conditions

##### Hydraulic Jack Mechanism

- Capacity: 5 tonne or 10 tonne
- Provides controlled and uniform penetration force





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### Standard Penetration Assembly

- 50 mm diameter hardened steel piston
- Compliant with IS and international standards

### Accurate Load Measurement

- Proving ring with dial gauge
- Optional load cell with digital indicator

### Precision Penetration Measurement

- Dial gauge: 25 mm travel, 0.01 mm least count

### Depth Flexibility

- Extension rods for testing at various depths

### Surcharge Simulation

- Slotted weights (2.5 kg, 5 kg, 10 kg)

### Stable Base System

- Circular or square base plate for uniform load transfer

### High Portability

- Supplied with carrying case for easy transport

### Standards Compliance

- IS 2720 (Part 31):1971 (Reaffirmed 2010) – Field CBR Test
- AASHTO T 193 – California Bearing Ratio
- ASTM D1883 – Reference methodology for CBR evaluation



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**TECHNICAL SPECIFICATION**

<b>Feature</b>	<b>Specification</b>
Model	AZA0914
Product Type	Field CBR Test Apparatus
Application	In-situ soil bearing capacity testing
Hydraulic Jack Capacity	5 tonne / 10 tonne
Penetration Piston	50 mm diameter, steel
Load Measurement	Proving ring / Load cell
Penetration Measurement	Dial gauge, 25 mm travel, 0.01 mm LC
Surcharge Weights	2.5 kg, 5 kg, 10 kg
Accessories	Base plate, extension rods, carrying case
Operation	Manual hydraulic
Origin	Made in India