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## **CALIFORNIA BEARING RATIO APPARATUS (BS VERSION MOULD) AZA0911**

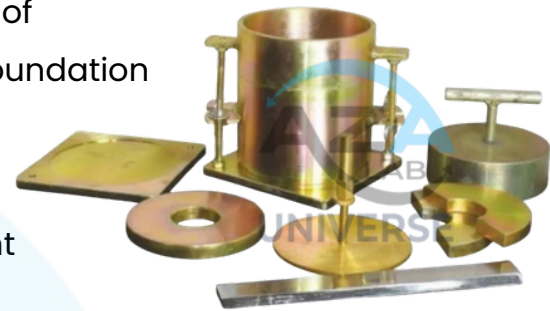
The AZA0911 California Bearing Ratio (CBR) Apparatus – BS Version Mould from Azalab is a precision-engineered laboratory system designed to determine the bearing capacity and strength of subgrade soils used in pavement, highway, runway, and foundation engineering.

The CBR test is a globally recognized method for soil strength classification and plays a critical role in pavement thickness design and geotechnical evaluation.

Manufactured in full compliance with BS 1377 (Part 4), this apparatus features a British Standard mould configuration, ensuring accurate, repeatable, and internationally accepted test results. It evaluates soil resistance to penetration under controlled compaction, loading, and moisture conditions, effectively simulating real-world field performance.

### **Standards Compliance**

- BS 1377 (Part 4) – Methods of Test for Soils
- ASTM D1883 – CBR of Laboratory-Compacted Soils
- IS 2720 (Part 16) – Laboratory Determination of CBR





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**TECHNICAL SPECIFICATION**

| <b>Feature</b>           | <b>Specification</b>                   |
|--------------------------|--|
| Model                    | AZA0911                                |
| Product Type             | CBR Apparatus – BS Version Mould       |
| Mould Internal Diameter  | 152 mm                                 |
| Mould Height             | 178 mm (with collar)                   |
| Material                 | Mild Steel / Cast Iron                 |
| Penetration Piston       | 50 mm diameter                         |
| Displacement Measurement | Dial Gauge / Digital (0.01 mm)         |
| Loading Frame Capacity   | 50 kN / 100 kN                         |
| Surcharge Weights        | 2.5 kg & 5 kg (Annular / Slotted)      |
| Testing Method           | Soaked & Unsoaked                      |
| Standards                | BS 1377, ASTM D1883, IS 2720 (Part 16) |
| Application              | Laboratory CBR Soil Testing            |