



UNIVERSE

CALIFORNIA BEARING RATIO APPARATUS (ASTM VERSION MOULD) AZA0910

The AZA0910 California Bearing Ratio (CBR) Apparatus – ASTM Version Mould from Azalab is a precision-engineered laboratory system designed to determine the bearing capacity of subgrade soils and pavement materials in strict accordance with ASTM D1883.

This apparatus is fundamental in pavement design and geotechnical engineering, providing reliable CBR values that define soil strength under controlled compaction and moisture conditions. It is widely used in highway, airfield, and infrastructure projects, ensuring accurate evaluation of subgrade performance and structural integrity.

Key Features & Benefits

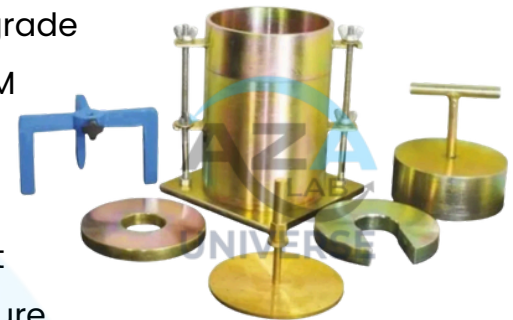
- ASTM-compliant mould dimensions for global acceptance
- Suitable for both soaked and unsoaked testing conditions
- High-precision penetration measurement system
- Compatible with manual and motorised load frames
- Robust construction for long-term laboratory use
- Ensures repeatable and accurate CBR results

Standards Compliance

- ASTM D1883 – Laboratory CBR Test
- AASHTO T193 – CBR of Compacted Soils

Compatible with:

- ASTM D698 (Standard Proctor)
- ASTM D1557 (Modified Proctor)





UNIVERSE

TECHNICAL SPECIFICATION

Feature	Specification
Model	AZA0910
Product Type	CBR Apparatus – ASTM Version Mould
Mould Internal Diameter	6 inches (152 mm)
Mould Height	7 inches (177.8 mm)
Mould Material	Mild Steel / Stainless Steel
Penetration Piston Diameter	50 mm
Penetration Measurement	Dial Gauge / Digital (0.01 mm resolution)
Loading Frame Compatibility	50 kN / 100 kN (manual or motorised)
Surcharge Weights	2.5 kg annular and slotted
Spacer Disc Thickness	50 mm
Test Type	Soaked and Unsoaked CBR
Standards Compliance	ASTM D1883, AASHTO T193
Application	Soil bearing capacity evaluation