



UNIVERSE PLATE BEARING TEST AZA0929

The AZA0929 Plate Bearing Test Equipment from Azalab is a complete, field-proven system designed for conducting Plate Bearing Tests (Plate Load Tests) to determine the bearing capacity and settlement characteristics of soils under actual loading conditions.

Recognized as one of the most reliable in-situ geotechnical test methods, this system is essential for the design, verification, and performance assessment of foundations, pavements, and heavy civil structures. The AZA0929 is widely used by geotechnical engineers, consultants, and infrastructure developers where accurate, site-specific soil behavior data is critical.

Key Features

- Wide range of hydraulic jack capacities (up to 1000 Ton optional)
- Accurate and controlled load application
- High-resolution settlement measurement system
- Heavy-duty, precision-machined bearing plates
- Stable datum bar for disturbance-free readings
- Modular and field-portable configuration
- Rugged construction for harsh site environments
- Supplied as a complete, ready-to-use testing system





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TECHNICAL SPECIFICATION

Parameter	Description
Model	AZA0929
Product Type	Plate Bearing Test Equipment
Test Method	Static Load with Settlement Measurement
Hydraulic Jack Capacity	50T / 100T / 200T / 500T / 1000T
Hand Pump	Manual, high-pressure, double-acting
Load Measurement	Pressure Gauge (standard) / Digital Load Cell (optional)
Bearing Plate Material	Rigid machined steel
Plate Sizes	300, 450, 600, 750 mm (custom available)
Settlement Gauges	3 or 4 Dial Gauges
Resolution	0.01 mm



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TECHNICAL SPECIFICATION

Parameter	Description
Range	25 mm / 50 mm
Reference Beam	Rigid datum bar (~5–6 m)
Optional Sensors	LVDT with digital data logger
Reaction System	Not included
Accuracy	Load: $\pm 1\%$ FS
Construction	Heavy-duty, corrosion-resistant
Portability	Modular, field-ready
Origin	Made in India
Standards	IS 1888, ASTM D1194

Standards Compliance

- IS 1888:1982 (Reaffirmed 2021) – Load Test on Soils
- ASTM D1194 – Bearing Capacity of Soil
- ASTM D1195 / ASTM D1196 – Plate Load Testing Methods