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SAND POURING CYLINDER AZA0880

The AZA0880 BS Standard Sand Pouring Cylinder is a professional-grade field testing apparatus designed for the accurate determination of in-situ soil density using the Sand Replacement Method, in full compliance with BS 1377-9.

This apparatus is specifically suited for coarse-grained and granular soils, where conventional methods such as core cutter testing are not applicable or reliable. It is widely used in road construction, embankments, pavement layers, and foundation works for compaction control and quality assurance.

Engineered for precision, durability, and repeatability, the AZA0880 delivers consistent field performance in demanding site conditions.

Key Features

- Manufactured strictly as per BS 1377-9
- Ideal for coarse and granular soils
- Precision brass shutter for controlled sand flow
- Multiple cylinder diameters for different test conditions
- High accuracy and repeatability
- Robust, field-ready construction
- Corrosion-resistant finish (powder-coated / galvanized)
- Designed for long-term site use
- Trusted Azalab engineering quality



Compliance

- IS 2720 (Part 28)
- ASTM D1556



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TECHNICAL SPECIFICATION

| Parameter | Specification |
|--------------------------|------------------------------------------------|
| Model Number | AZA0880 |
| Apparatus Type | BS Standard Sand Pouring Cylinder |
| Test Method | Sand Replacement Method |
| Application | Field density and compaction testing |
| Standard Compliance | BS 1377-9 |
| Cylinder Diameters | 100 mm / 150 mm / 200 mm |
| Capacity (Approx.) | 3 L to 6 L (depending on size) |
| Material of Construction | Mild Steel / Aluminum |
| Funnel | Integrated metal funnel |
| Shutter Mechanism | Brass, leak-proof, manually operated |
| Base Tray | Steel tray with central hole for pit alignment |



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TECHNICAL SPECIFICATION

| Parameter | Specification |
|----------------|---------------------------------------------|
| Tray Size | Approx. 300 × 300 mm |
| Surface Finish | Powder-coated / Galvanized (rust-resistant) |
| Operation | Manual, gravity-based sand discharge |
| Accuracy | High repeatability with proper calibration |
| Durability | Designed for rugged field conditions |
| Maintenance | Minimal maintenance required |

AVAILABLE SIZES

| Cylinder Diameter | Typical Application |
|-------------------|-------------------------------------------------|
| 100 mm | Standard small pit field testing |
| 150 mm | Medium compaction and QA/QC testing |
| 200 mm | Large pits, deep layers, heavy compaction works |