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## **HEAVY COMPACTION TEST AZA0865**

The AZA0864 Standard Compaction Test Apparatus is precision-engineered to perform the British Standard Light Compaction (Proctor) Test in accordance with BS 1377-4 and BS 1924-2.

It is used to determine the Maximum Dry Density (MDD) and Optimum Moisture Content (OMC) of soils under controlled compactive effort. The test simulates field compaction conditions typically achieved by light rollers and rammers, making it essential for quality control in earthwork construction.

### **Main Components**

#### **Heavy Compaction Mould**

- Cylindrical steel mould with detachable collar and base plate
- Designed for larger soil volume and higher compaction energy

#### **Heavy Compaction Rammer (Hammer)**

- Precision-machined for accurate weight and drop height
- Ensures uniform application of compactive effort

#### **Optional Accessories**

- Sample extruder
- Mixing tray and preparation tools
- Moisture content testing accessories





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### Key Features

- High compaction energy simulation
- Accurate determination of MDD and OMC
- Fully compliant with international standards
- Robust and durable construction
- Suitable for intensive laboratory use
- Compatible with ASTM and IS configurations

### Standards Compliance

- ASTM D1557 – Modified Effort Compaction Test
- IS 2720 (Part VIII) – Heavy Compaction Method
- BS 1377 – Part 4 – Compaction Tests

### Scope of Supply

- Heavy compaction mould with collar and base plate
- Heavy compaction rammer
- Instruction manual with test procedure

### Applications

- Highway and pavement construction
- Airfield and runway design
- Earth dams and embankments
- Foundation and subgrade evaluation
- Geotechnical and civil engineering laboratories



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### TECHNICAL SPECIFICATION

Parameter	Specification
Model Number	AZA0865
Test Method	Heavy / Modified Proctor Compaction
Compaction Effort	High (Modified)
Application	Roads, airfields, dams, embankments

### Compaction Mould – ASTM Type

Parameter	Specification
Internal Diameter	152.4 mm (6 inch)
Height	116.4 mm
Volume	~2124 cm <sup>3</sup>

### Compaction Mould – IS Type (Optional)

Parameter	Specification
Internal Diameter	150 mm
Height	127.3 mm
Volume	2250 cm <sup>3</sup>



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### **Heavy Compaction Rammer**

<b>Standard</b>	<b>Specification</b>
ASTM D1557	4.54 kg, 457.2 mm drop, 50.8 mm face
IS 2720 (Part VIII)	4.9 kg, 450 mm drop, 50 mm face

### **Construction**

Heavy-duty steel with corrosion-resistant finish

