HEAVY COMPACTION TEST AZA0866

The AZA0866 Heavy Compaction Test Set is designed for determining the Maximum Dry Density (MDD) and Optimum Moisture Content (OMC) of soils using the Heavy Compaction (Modified Proctor) Method in accordance with IS 2720 (Part VIII).

This apparatus simulates high compaction energy conditions typically achieved by modern field compaction equipment, ensuring accurate prediction of soil performance under heavy loads.

The system is supplied with a 150 mm diameter mould (2250 cc), making it particularly suitable for coarse-grained and granular soils.

Main Components

Compaction Mould

- Internal Diameter: 150 mm
- Height: 127.3 mm
- Volume: 2250 cc
- Available in steel or optional gunmetal

Detachable Collar

- Ensures accurate mould volume and controlled filling

Base Plate

- Threaded or clamp-lock type for secure assembly

Heavy Compaction Rammer

- Weight: 4.89 kg
- Drop Height: 450 mm
- Designed for controlled and uniform compaction

Key Features

- Fully compliant with IS 2720 (Part VIII)
- Large mould suitable for coarse and granular soils
- High compaction energy simulation
- Rugged and durable construction
- Accurate determination of MDD and OMC
- Suitable for laboratory and field use

Standards Compliance

- IS 2720 (Part VIII) – Heavy Compaction Test

(Equivalent to Modified Proctor Method as per ASTM D1557)

Scope of Supply

- Compaction mould (150 mm × 2250 cc)
- Detachable collar
- Base plate
- Heavy compaction rammer (4.89 kg)
- Instruction manual with test procedure

Applications

- Heavy / Modified Proctor compaction testing
- Road and highway construction
- Subgrade and embankment evaluation
- Foundation soil preparation
- Soil stabilization and research studies
- Geotechnical and civil engineering laboratories

AZA LAB UNIVERSE

TECHNICAL SPECIFICATION

Component	Specification
Model Number	AZA0866
Standard	IS 2720 (Part VIII)
Mould Internal Diameter	150 mm
Mould Height	127.3 mm
Mould Volume	2250 cc
Rammer Weight	4.89 kg
Drop Height	450 mm
Compaction Layers	5 layers
Blows per Layer	56 blows
Operation	Manual
Usage	Laboratory & Field
Material Options	Steel (standard), Gunmetal (optional)