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DROP HAMMER AND GUIDE PIPE ASSEMBLY AZA0919

The AZA0919 Drop Hammer and Guide Pipe Assembly from Azalab is a precision-engineered system designed to deliver controlled and repeatable impact energy for soil compaction and penetration applications in both field and laboratory environments.

This system ensures uniform energy transfer through a fixed drop height, making it essential for soil density determination, compaction testing, and sample driving operations.

The integrated guide mechanism guarantees vertical alignment, eliminating lateral deviations and enhancing test accuracy and repeatability.

The AZA0919 is widely used in conjunction with core cutters, Proctor moulds, and penetration tools, enabling accurate simulation of field compaction conditions and determination of moisture–density relationships.

Key Features

- Delivers consistent and repeatable impact energy
- Fixed drop height ensures standardized testing conditions
- Guide pipe maintains true vertical hammer alignment
- Suitable for both field and laboratory use
- Rugged, corrosion-resistant construction for long service life
- Easy to assemble, transport, and operate

Standards Compliance

- IS 2720 (Part 29) – Determination of Dry Density of Soils (Core Cutter Method)
- ASTM D698 – Standard Proctor Compaction Test
- BS 1377 – Methods of Test for Soils





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TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA0919
Product Type	Drop Hammer & Guide Pipe Assembly
Hammer Weight	5 kg – 10 kg
Drop Height	450 mm – 750 mm
Guide Pipe Material	Mild Steel (MS), powder-coated
Pipe Diameter	50 mm – 100 mm
Pipe Length	600 mm – 1000 mm
Compatibility	Core cutters, Proctor moulds, penetration tools
Surface Finish	Painted / Powder-coated
Standards	IS 2720 (Part 29), ASTM D698, BS 1377