LOS ANGELES ABRASION TESTING MACHINE AZA0986

The AZA0986 Los Angeles Abrasion Testing Machine is a heavy-duty laboratory apparatus designed to evaluate the abrasion and impact resistance of coarse aggregates. The test simulates the mechanical wear and degradation experienced by aggregates under traffic loading conditions.

This equipment is essential for determining the durability and suitability of aggregates used in road construction, asphalt mixes, and structural concrete, ensuring compliance with international quality standards.

Key Functional Features

- Determines abrasion and impact resistance of aggregates
- Fully compliant with IS, ASTM, and AASHTO standards
- Heavy-duty hollow steel drum with internal lifting shelf
- Precision-controlled rotational speed
- Built-in revolution counter for accurate cycle tracking
- Smooth operation with ball-bearing supported shaft
- Dust-protected enclosure with secure locking system
- Designed for continuous and long-term laboratory use

Standards Compliance

- IS: 2386 (Part IV) – Methods of Test for Aggregates for Concrete
- ASTM C131 – Resistance to Degradation of Small-Size Coarse Aggregate
- AASHTO T-96 – Los Angeles Abrasion Test

TECHNICAL SPECIFICATION

Parameter	Specification
Model No.	AZA0986
Drum Diameter	711 mm (28 inches)
Drum Length	508 mm (20 inches)
Drum Speed	30 – 33 RPM
Abrasive Charge	12 Steel Balls (~48 mm dia)
Motor Type	Electric Motor with Gearbox
Revolution Counter	Digital / Mechanical (Fitted)
Power Supply	440V, 3 Phase, 50 Hz AC
Standards	IS:2386 (Part IV), ASTM C131, AASHTO T-96

Standard Supply

- Los Angeles Abrasion Machine Unit
- Steel Drum with Internal Shelf
- Set of 12 Hardened Steel Balls (~48 mm dia)
- Revolution Counter
- Motor with Gear Drive System