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DORRY ABRASION TESTING MACHINE AZA0988

The AZA0988 Dorry Abrasion Testing Machine is a robust, motorized laboratory instrument designed to determine the abrasion resistance (wear loss) of coarse aggregates under controlled conditions.

This test evaluates the resistance of aggregates to surface wear caused by friction, making it essential for assessing materials used in road construction, railway ballast, and structural concrete. The machine ensures accurate, repeatable, and standard-compliant results for quality control and research applications.

Key Functional Features

- Evaluates abrasion resistance of aggregates with high precision
- Motorized rotating disc for consistent operation
- Precisely machined loading arm with calibrated dead weights
- Stable, vibration-resistant steel frame
- Simple operation with minimal maintenance
- Designed for continuous laboratory use

Standards Compliance

- IS: 2386 (Part IV) – Methods of Test for Aggregates for Concrete





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TECHNICAL SPECIFICATION

Parameter	Specification
Model No.	AZA0988
Disc Diameter	200 – 300 mm
Rotation Speed	28 – 30 RPM
Motor	0.5 HP, Single Phase
Load Application	30 – 50 N (via weight arm)
Abrasive Medium	Standard Emery Powder
Power Supply	230V AC
Frame Material	Mild Steel (Powder Coated)
Standards	IS:2386 (Part IV)

Standard Supply

- Dorry Abrasion Machine Unit
- Rotating Steel Disc Assembly
- Loading Arm with Dead Weights
- Sample Holder / Test Cylinder
- Abrasive Feed Arrangement (for Emery Powder)