

Aggregate Impact Tester

MODEL: HT-316

Reference Standards: IS 2386 (Part 4) and IS 9377.

The Aggregate Impact Tester, conforming to IS 2386 (Part 4) and IS 9377, is used to determine the impact value of coarse aggregates, which indicates their resistance to sudden shock or impact. This test is particularly important for evaluating aggregates used in road construction, pavements, and surfaces subjected to dynamic loads.

The test is performed by subjecting a prepared aggregate sample to repeated blows from a standard hammer falling from a specified height. The percentage of fines generated after the test represents the Aggregate Impact Value (AIV). Lower values indicate higher resistance to impact and better suitability for construction applications.

Key Features

- Conforms to IS 2386 (Part 4) and IS 9377
- Rigid and heavy-duty frame construction for stability
- Adjustable hammer drop mechanism for accurate testing
- Automatic blow counter for precise operation
- Quick release mechanism for uniform hammer fall
- Hardened and durable components for long service life
- Easy operation and maintenance

Technical Specifications

- Hammer Weight (Tup): 13.5 – 14.0 kg
- Drop Height: 380 ± 5 mm
- Hammer Face: 100 mm diameter, 50 mm height, case hardened
- Cup (Mould): 102 mm dia × 50 mm depth
- Tamping Rod: 10 mm dia × 230 mm long, rounded end
- Metal Measure: 75 mm dia × 50 mm deep
- Base Weight: Approx. 20–30 kg
- Frame: Heavy-duty steel construction with vertical guides
- Blow Counter: Automatic, resettable
- Operation: Manual with quick release trigger mechanism

Ordering Information

HT-316 Aggregate Impact Tester

